Conference on Retroviruses and Opportunistic Infections
March 3-6 | Denver, Colorado

PROGRAM GUIDE
## CONTENTS

**CROI Foundation** .......................................................... 2  
**International Antiviral Society–USA** ................................ 3  
**CROI 2024 Program Committee** ....................................... 4  
  - Scientific Program Committee ............................................. 4  
  - Community Liaison Subcommittee ....................................... 7  
**External Reviewers** .......................................................... 8  
**Continuing Medical Education** .......................................... 11  
**General Conference Information** ........................................ 13  
  - Overview ................................................................. 13  
  - Funding and Grant Support .............................................. 13  
  - Affiliated and Proximate Activities ................................. 13  
  - Conference Badges ......................................................... 14  
  - Conference Etiquette ....................................................... 14  
  - COVID-19 Protocol .......................................................... 14  
  - Americans With Disabilities Act ...................................... 14  
  - Emergency Services ....................................................... 14  
**Technology and Connectivity** ........................................... 15  
  - WiFi Access at the Conference ......................................... 15  
  - Conference App ............................................................. 15  
  - Website ............................................................................ 15  
  - Live Streaming and On-Demand Webcasts ......................... 15  
**Abstract Process** ............................................................. 18  
**Scholarship Awardee Information** ....................................... 20  
**Conference Services** ........................................................ 22  
**Oral Sessions** ................................................................. 23  
**Poster Sessions, by Day** ................................................... 66  
**Poster Sessions, by Category** ............................................ 180  
**Index of Presenters** .......................................................... 184  
**Conference Schedule at a Glance** ..................................... Foldout  
**Convention Center Map** ................................................... Foldout
CROI FOUNDATION

The CROI Foundation is a 501(c)(3) not-for-profit professional education organization that operates exclusively for the charitable and educational purpose of organizing, promoting, and presenting the Conference on Retroviruses and Opportunistic Infections (CROI).

Duties of the Board of Directors

• Oversee the long-term financial and administrative integrity of CROI
• Work closely with the CROI Scientific Program Committee (PC) and the Conference Manager (IAS-USA) to accomplish the mission of CROI
• Approve nominations and rotations for members of the CROI PC, the CROI PC Chair and Vice Chairs, and the Community Liaison Subcommittee (CLS)
• Ensure that the CROI PC is responsible for the scientific program content of CROI
• Enter and oversee the partnership agreement with the CROI Conference Manager (IAS-USA)
• Have the sole and absolute discretion to implement or veto any policies, procedures, or actions taken or proposed to be taken by the CROI PC, CLS, or the CROI Conference Manager that would pose a substantial risk of preventing the Corporation at any time from qualifying or continuing to qualify as a 501(c)(3) organization or that might cause the loss of such qualifications

CROI Foundation Board Members

Constance A. Benson, MD  
President  
University of California San Diego  
San Diego, CA, USA

Diane V. Havlir, MD  
University of California San Francisco  
San Francisco, CA, USA

John M. Coffin, PhD  
Secretary-Treasurer  
Tufts University  
Boston, MA, USA

Sharon L. Hillier, PhD  
University of Pittsburgh  
Pittsburgh, PA, USA

Elaine J. Abrams, MD  
ICAP at Columbia University  
New York, NY, USA

James A. Hoxie, MD  
University of Pennsylvania  
Philadelphia, PA, USA

Susan P. Buchbinder, MD  
San Francisco Department of Public Health  
San Francisco, CA, USA

Richard A. Koup, MD  
Vaccine Research Center within NIAID  
Bethesda, MD, USA

Nicolas Chomont, PhD  
Université de Montréal—CHUM Research Center  
Montreal, Quebec, Canada

John W. Mellors, MD  
University of Pittsburgh  
Pittsburgh, PA, USA

Judith S. Currier, MD  
University of California Los Angeles  
Los Angeles, CA, USA

Landon Myer, MD  
University of Cape Town  
Cape Town, South Africa

Robert T. Schooley, MD  
University of California San Diego  
San Diego, CA, USA
INTERNATIONAL ANTIVIRAL SOCIETY—USA

The International Antiviral (formerly AIDS) Society—USA (IAS—USA) is a not-for-profit organization that serves as the Conference Organizer for the logistical planning and organization of CROI in partnership with the CROI Foundation and Program Committee. The mission of the IAS—USA is to improve the prevention, treatment, care, and quality of life for people with or at risk of HIV or other viral infections and their associated health conditions through high-quality, relevant, balanced, and needs-oriented education and information for practitioners and scientists who are actively involved in medical care and research.

To access other educational and informational programs sponsored by the IAS—USA, please visit www.iasusa.org for:

- Live CME courses, CME webinars, and dialogues available for signup
- On-demand webcasts of CME courses and webinars
- Topics in Antiviral Medicine™, the free, open-access, online journal published by the IAS—USA
- Going anti-Viral, a podcast for clinicians
- Practice guidelines on the use of antiretroviral drugs and HIV drug resistance mutations
SCIENTIFIC PROGRAM COMMITTEE

The CROI Scientific Program Committee (PC) is a team of experts in their given field who volunteer to organize the scientific program for CROI. Members are selected based on their area of scientific expertise and their commitment to the mission of the conference. Initial terms are up to 3 years; subsequent terms are based on previous participation and interest level. Members are nominated by the PC and approved by the CROI Foundation Board of Directors. The PC members are responsible for identifying topics and speakers that will ensure innovative programming; strategic planning; abstract review and program development; and organizing, conducting, or convening workshops, concurrent interactive sessions and symposia, and special sessions.

Scientific Program Committee

Landon Myer, MD, PhD  
CROI 2024 Chair  
University of Cape Town  
Cape Town, South Africa

Nicolas Chomont, PhD  
CROI 2024 Vice Chair  
Université de Montréal  
Montreal, Canada

Diane V. Havlir, MD  
CROI 2024 Vice Chair  
University of California  
San Francisco, San Francisco, CA, USA

Elaine J. Abrams, MD  
Columbia University  
New York, NY, USA

Katharine J. Bar, MD  
University of Pennsylvania  
Philadelphia, PA, USA

Susan P. Buchbinder, MD  
San Francisco Department of Public Health, San Francisco, CA, USA

Ruanne V. Barnabas, MBChB, PhD  
Massachusetts General Hospital, Boston, MA, USA

Connie L. Celum, MD, MPH  
University of Washington  
Seattle, WA, USA

Richard E. Chaisson, MD  
The Johns Hopkins University School of Medicine  
Baltimore, MD, USA

Constance A. Benson, MD  
University of California  
San Diego, La Jolla, CA, USA

John M. Coffin, PhD  
Tufts University  
Boston, MA, USA
Elizabeth Connick, MD
University of Arizona
Tucson, AZ, USA

Judith S. Currier, MD
University of California
Los Angeles, Los Angeles, CA, USA

Carlos del Rio, MD
Emory University
Atlanta, GA, USA

Wafaa El-Sadr, MD, MPH
Columbia University
New York, NY, USA

Joseph J. Eron, Jr., MD
University of North Carolina at Chapel Hill
Chapel Hill, NC, USA

Monica Gandhi, MD, MPH
University of California
San Francisco, San Francisco, CA, USA

Huldrych F. Günthard, MD
University Hospital Zurich
Zurich, Switzerland

Theodora Hatziioannou, PhD
The Rockefeller University
New York, NY, USA

Sharon L. Hillier, PhD
University of Pittsburgh
Pittsburgh, PA, USA

Ya-Chi Ho, MD, PhD
Yale University
New Haven, CT, USA

James A. Hoxie, MD
University of Pennsylvania
Philadelphia, PA, USA

Peter W. Hunt, MD
University of California
San Francisco, San Francisco, CA, USA

Jennifer Jao, MD, MPH
Northwestern University
Chicago, IL, USA

Angela D. Kashuba, PharmD
University of North Carolina at Chapel Hill
Chapel Hill, NC, USA

Frank Kirchhoff, PhD
Ulm University Medical Center, Ulm, Germany

Richard A. Koup, MD
National Institute of Allergy and Infectious Diseases
Bethesda, MD, USA

Raphael J. Landovitz, MD
University of California
Los Angeles, Los Angeles, CA, USA

Anna S. Lok, MD
University of Michigan
Ann Arbor, MI, USA

John W. Mellors, MD
University of Pittsburgh
Pittsburgh, PA, USA

Jonathan Mermin, MD
Centers for Disease Control and Prevention, Atlanta, GA, USA

Jean-Michel G. Molina, MD, PhD
University of Paris-Est
Paris, France

Penny Moore, PhD
University of the Witwatersrand
Johannesburg, South Africa
Andrew Mujugira, PhD, MPH, MBBS
Infectious Diseases Institute, Kampala, Uganda

Stuart J. D. Neil, PhD
King’s College London London, UK

LaRon E. Nelson, PhD, RN, FNP
Yale University, New Haven, CT, USA

Afar A. Okoye, PhD
Oregon Health and Sciences University Portland, OR, USA

Sari L. Reisner, ScD
Harvard Medical School Boston, MA, USA

Peter Reiss, MD, PhD
Amsterdam Institute for Global Health and Development, Amsterdam, Netherlands

Douglas D. Richman, MD
University of California San Diego, La Jolla, CA, USA

Juergen K. Rockstroh, MD
University of Bonn, Bonn, Germany

Robert T. Schooley, MD
University of California San Diego, La Jolla, CA, USA

Annette Sohn, MD, PhD
TREAT Asia, amfAR Bangkok, Thailand

Serena S. Spudich, MD
Yale University, New Haven, CT, USA

David L. Thomas, MD
The Johns Hopkins University School of Medicine Baltimore, MD, USA

In Memoriam: Adaora Adimora, MD, MPH (1956 - 2024)

An exceptional physician, scientist, mentor, and advocate, Dr Adimora served on the Scientific Program Committee for CROI from 2017 to 2023. Her contributions and kindness will endure in our hearts and minds, and in the spirit of CROI.
Community Liaison Subcommittee

The Community Liaison Subcommittee is a group of community educators and advocates who volunteer to provide feedback to the PC about the content and structure of the scientific program in general and specifically related to scientific topics of interest to the HIV/AIDS-affected community.

Dawn Averitt
The Well Project, Women’s Research Initiative on HIV/AIDS
South Strafford, VT, USA

Grace Kumwenda, MA
AIDS Vaccine Advocacy Coalition, Blantyre, Malawi

Udom Likhitwonnawut, BS
SEARCH, Bangkok Thailand

Jim Pickett
Jim Pickett Consulting
Chicago, IL, USA

Ntando Yola
University of Cape Town
Cape Town, South Africa
EXTERNAL REVIEWERS

We gratefully acknowledge the contributions of the following individuals, who, in addition to the scientific program committee members, served as volunteer external reviewers of abstract or scholarship submissions for CROI 2024.

K. Rivet Amico, PhD
University of Michigan, Ann Arbor, MI, USA

Peter L. Anderson, PharmD
University of Colorado Anschutz Medical Campus, Aurora, CO, USA

Mohendran Archary, PhD, MBChB
University of KwaZulu-Natal, Durban, South Africa

Georg N. M. Behrens, MD, PhD
Medizinische Hochschule Hannover Hannover, Germany

Marta Boffito, MD, PhD
Chelsea and Westminster Hospital London, United Kingdom

Bruce J. Brew, MD, MBBS, DSc
St Vincent’s Hospital, Sydney, Australia

Carol S. Camlin, MD, PhD
University of California San Francisco, San Francisco, CA, USA

Corey Casper, MD, MPH
Access to Advanced Health Institute Seattle, WA, USA

Ellen G. Chadwick, MD
Northwestern University, Chicago, IL, USA

David B. Clifford, MD
Washington University in St Louis St Louis, MO, USA

Kevin M. De Cock, MD, MBChB
Centers for Disease Control and Prevention, Atlanta, GA, USA

Kelly E. Dooley, MD, PhD, MPH
Vanderbilt University, Nashville, TN, USA

Kristine M. Erlendson, MD
University of Colorado Anschutz Medical Campus, Aurora, CO, USA

David T. Evans, PhD
University of Wisconsin—Madison Madison, WI, USA

Courtney V. Fletcher, PharmD
University of Nebraska Medical Center Omaha, NE, USA

Patricia M. Flynn, MD
St Jude Children’s Research Hospital Memphis, TN, USA

Dana Gabuzda, MD
 Dana–Farber Cancer Institute, Boston, MA, USA

Gerardo Garcia-Lerma, PhD
Centers for Disease Control and Prevention, Atlanta, GA, USA

Carlo Giaquinto, MD
University of Padova, Padova, Italy

Beatriz Grinztejn, MD, PhD
Oswaldo Cruz Foundation - Fiocruz Rio de Janeiro, Brazil

Jessica Haberer, MD
Massachusetts General Hospital Boston, MA, USA

Renee Heffron, PhD, MPH
University of Alabama at Birmingham Birmingham, AL, USA

Sybil Hosek, PhD
University of Illinois at Chicago, Chicago, IL, USA

Jennifer F. Hoy, MBBS
Alfred Hospital, Melbourne, Australia

Grace John-Stewart, MD, PhD
University of Washington, Seattle, WA, USA

Sarah B. Joseph, PhD
University of North Carolina at Chapel Hill, Chapel Hill, NC, USA

Dennis L. Kolson, MD, PhD
Hospital of the University of Pennsylvania, Philadelphia, PA, USA

Susan E. Krown, MD
Memorial Sloan-Kettering Cancer Center, Emeritus, New York, NY, USA

Mohammed Lamorde, MBBS, PhD
Bamrasnaradura Infectious Diseases Institute, Bangkok, Thailand

Maud Lemoine, MD, PhD
Imperial College London, London, UK
Scott L. Letendre, MD  
University of California San Diego  
San Diego, CA, USA

Sharon R. Lewin, MBBS, PhD  
University of Melbourne, Melbourne, Australia

Hermione Lyall, MD  
Imperial College London, London, United Kingdom

Rebecca M. Lynch, PhD  
George Washington University  
Washington, DC, USA

Patrick Mallon, MBBS, PhD  
University College Dublin, Dublin, Ireland

Grace A. McComsey, MD  
University Hospitals Cleveland Medical Center, Cleveland, OH, USA

James A. McIntyre, MBChB  
Anova Health Institute, Johannesburg, South Africa

Graeme A. Meintjes, MD, PhD, MPH  
University of Cape Town, Cape Town, South Africa

Ronald T. Mitsuyasu, MD  
University of California Los Angeles  
Los Angeles, CA, USA

Victor Musiime, PhD, MBChB  
Makerere University, Kampala, Uganda

Susanna Naggie, MD  
Duke University, Durham, NC, USA

Harriet Nuwagaba-Biribonwoha, PhD, MBChB  
ICAP at Columbia University, New York, NY, USA

Michael J. Peluso, MD  
University of California San Francisco  
San Francisco, CA, USA

Martina Penazzato, MD, PhD  
World Health Organization, Geneva, Switzerland

Robert Remien, PhD  
New York State Psychiatric Institute, New York, NY, USA

Michael S. Saag, MD  
University of Alabama at Birmingham  
Birmingham, AL, USA

Jorge L. Sánchez, MD, MPH  
Universidad Nacional Mayor de San Marcos, Lima, Peru

Kimberly K. Scarsi, PharmD  
University of Nebraska Medical Center  
Omaha, NE, USA

Hyman M. Scott, MD, MPH  
San Francisco Department of Public Health, San Francisco, CA, USA

Kenneth E. Sherman, MD, PhD  
Massachusetts General Hospital  
Boston, MA, USA

Euphemia Sibanda, PhD  
Centre for Sexual Health & HIV/AIDS Research, Harare, Zimbabwe

Izukanji Sikazwe, MPH  
Center for Infectious Disease Research  
Seattle, WA, USA

Viviana Simon, MD  
Icahn School of Medicine at Mount Sinai  
New York, NY, USA

Lynda Stranix-Chibanda, MBChB  
University of Zimbabwe, Harare, Zimbabwe

Susan Swindells, MBBS  
University of Nebraska Medical Center  
Omaha, NE, USA

Alexandra Trkola, PhD  
University of Zurich, Zurich, Switzerland

Alice Tseng, PharmD  
Toronto General Hospital, Toronto, Canada

Heidi van Rooyen, PhD  
Human Sciences Research Council, Pretoria, South Africa

Carole L. Wallis, MD, PhD  
Africa Health Research Institute  
Mtubatuba, South Africa

Annemarie M. Wensing, MD, PhD  
University Medical Center Utrecht  
Utrecht, Netherlands

Alan Winston, MD  
Imperial College London, London, UK

Robert Yarchoan, MD  
National Cancer Institute, Bethesda, MD, USA
EXTERNAL REVIEWERS WITH ADDITIONAL ROLES AT CROI

Todd T. Brown MD, PhD
The Johns Hopkins University,
Baltimore, MD, USA

Maria Buzon, PhD
Vall d’Hebron Research Institute,
Barcelona, Spain

Matthew J. Feinstein, MD
Northwestern University, Chicago,
IL, USA

Charles W. Flexner, MD
The Johns Hopkins University School of Medicine, Baltimore, MD, USA

John Frater, MBBS, MBChB, PhD
University of Oxford, Oxford, UK

Priscilla Y. Hsue, MD
University of California San Francisco, San Francisco, CA, USA

Annie Luetkemeyer, MD
University of California San Francisco, San Francisco, CA, USA

Gert U. van Zyl MBChB, PhD
Stellenbosch University, Cape Town, South Africa

Timothy J. Wilkin, MD, MPH
Weill Cornell Medicine, New York, NY, USA

David L. Wyles, MD
Denver Health Medical Center, Denver, CO, USA

Markella V. Zanni, MD
Massachusetts General Hospital, Boston, MA, USA

COMMUNITY EDUCATOR SCHOLARSHIP REVIEWERS

Luciana Kamel, MA
Oswaldo Cruz Foundation - Fiocruz Rio de Janeiro, Brazil

Devan Nambiar, MSc
Gay Men’s Sexual Health Alliance
Ontario, Canada

Bridgette Picou, LVN
The Well Project, Women’s Research Initiative on HIV/AIDS
South Strafford, VT, USA
CONTINUING MEDICAL EDUCATION

Accreditation Statement
The International Antiviral Society (IAS–USA) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The IAS–USA designates this live activity for a maximum of 16 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Objectives
After participating in CROI 2024, participants will be able to do the following as they relate to research in HIV, hepatitis viruses, SARS-CoV-2, and mpox and their related conditions:

- Describe basic science research advances in the understanding of viral infections, their pathogenesis, and their complications
- List the most recent findings from clinical trials and the implications of these data for state-of-the-art treatment and prevention strategies
- Describe current epidemiologic data on the prevalence of infection, transmission, treatment, and linkage to and retention in care in populations worldwide; the implications of these data for public health program planning; and current advances in biobehavioral prevention

Statement of Need
Since HIV was identified, the scientific response to the global pandemic has been a coordinated effort among basic researchers, clinical investigators, health care providers, epidemiologists, and community leaders to move information and potential treatment options from research to clinical trials out to affected communities as quickly as possible. CROI was founded in 1993 by researchers working in the field of HIV/AIDS and its complications as a science-focused forum for exchanging current research findings among their international peers. CROI continues to focus on scientific exchange, providing an environment in which basic science researchers, translational researchers, clinical investigators, epidemiologists, and public health experts meet to present and discuss the latest research into different facets of HIV and its complications, as well as selected other emerging infections, such as COVID-19 and mpox.

CME Credit Information
Physicians (MD, DO, and international equivalents) are eligible to receive CME credit for their participation in CROI. CME credits can be claimed for premeeting workshops, opening session lectures, plenary lectures, concurrent interactive sessions and symposia, and selected special sessions. CME credits cannot be claimed for oral abstract sessions, themed discussion sessions, certain special sessions, or poster sessions. For physician attendees certified by the American Board of Internal Medicine (ABIM), Maintenance of Certification (MOC) points are available for participation in CROI. Other researchers, practitioners, and attendees can receive a Certificate of Participation verifying their attendance, as required by the American Medical Association (AMA).
ABIM MOC Points
Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 16 MOC points in the American Board of Internal Medicine’s (ABIM) Maintenance of Certification (MOC) program. Participants will earn MOC points equivalent to the amount of CME credits claimed for the activity. It is the CME activity provider’s responsibility to submit participant completion information to ACCME for the purpose of granting ABIM MOC credit.

Claiming CME Credits, ABIM MOC Points, or a Certificate of Participation
During the conference, links to the daily evaluations will be available on the CROI website. The overall evaluation with detailed instructions on how to claim credits will be provided after the conference. You will need the email address used to register for this conference and your confirmation number (on your badge) to access this page. To obtain CME credits, ABIM MOC points, or a Certificate of Participation for CROI, overall evaluation, posttest assessment, and claim forms must be submitted by April 8, 2024. Once the final evaluation and posttest are submitted, your certificate will be available on your IAS—USA profile on the IAS—USA website.

To determine the number of CME credits, ABIM MOC points, or hours of participation that can be claimed, calculate the time spent attending conference activities, including premeeting workshops, opening session lectures, plenary lectures, concurrent interactive sessions and symposia, and selected special sessions. For example, if you attended 2 plenary talks (8:30 to 9:30 AM) and a symposium (4:00 to 5:30 PM), you would have 2.5 hours to apply toward CME credits or ABIM MOC points (if applicable) for that day. At the end of CROI, please add the total hours you attended.

A CME/ABIM MOC hour worksheet can be found on the CROI website.

Disclosure of Financial Relationships
In the interest of maintaining the independence of its continuing medical education (CME) activities, the International Antiviral Society–USA (IAS–USA) requires all persons with control of educational content (eg, faculty, the Scientific Leadership Board, Governance Board, and program planners) to disclose any financial relationships with ineligible companies (previously defined as “commercial interests”) that they have had within the past 24 months. Any real or apparent conflicts of interest of those parties are resolved and mitigated prior to the delivery of the CME activity. Individuals who refuse to disclose financial interests may not participate in IAS–USA CME activities.

The Accreditation Council for Continuing Medical Education (ACCME) defines ineligible companies as “those whose primary business is producing, marketing, selling, re-selling, or distributing healthcare products used by or on patients.” IAS–USA will identify and resolve ahead of time any possible conflicts of interest that may influence CME activities with regard to exposition or conclusion. Information about financial relationships with ineligible companies for the presenters and planners/reviewers will be available in the slides prior to the presentation of educational content.

Drug and Product Disclaimer
This activity may contain information about the investigational uses of drugs or products that are not approved by the US Food and Drug Administration. Please consult full prescribing information before using any medication or product mentioned in this activity.
GENERAL CONFERENCE INFORMATION

Overview
CROI was established in 1993 to provide a forum for basic scientists and clinical investigators to present, discuss, and critique their investigations into the epidemiology and biology of human retroviruses and associated diseases. The synergy of basic science and clinical investigation has been a major contributor to the success of the meeting. CROI is the preeminent HIV research meeting in the world and includes up to 4000 HIV research and care leaders internationally. CROI has facilitated the presentation of important discoveries in the field, thereby accelerating progress in HIV and AIDS research.

Funding and Grant Support
CROI seeks grants from commercial companies, particularly from companies with competing products. These companies have no input or control over the selection of faculty, the content of the CME portions of the program, or the abstract review and selection processes. This support is used to cover some of the costs of the venue, audiovisual services, and other conference expenses. CROI 2024 received grant support commitments from the following:

Platinum
Gilead Sciences, Inc
Merck & Co., Inc.
ViiV Healthcare

Silver
Janssen Therapeutics

Bronze
Hologic
Theratechnologies, Inc.

Additional support received after the printing of this program guide will be announced during the Conference.

Affiliated and Proximate Activities
CROI promotes the meaningful and high-level interchange of scientific ideas to improve the treatment of HIV and AIDS and to one day see HIV and other viral infections, including hepatitis viruses, SARS-CoV-2, and mpox virus, eradicated. In keeping with this goal, certain organizations (eg, commercial companies and their agents, not-for-profit groups, research study groups, and government agencies) have been approved to host Affiliated or Proximate Activities occurring outside CROI session times. Affiliated or Proximate Activities are not sponsored, endorsed, or supported by the IAS—USA, the CROI foundation, or CROI 2024. An Affiliated or Proximate Activity is any activity, event, or meeting held at any time from 3 days before (Thursday, February 29) through 2 days after (Friday, March 8) CROI 2024 and targeted toward or including any registrants of CROI.
If an activity is found to have violated the Guidelines for Affiliated or Proximate Activities, the sponsoring organization, the supporting organization, or the organizer of the meeting may be prohibited from holding an Affiliated or Proximate Activity at future CROI conferences and may have their current registration revoked. Noncompliance may be subject to fines and could negatively impact the registration and attendance of anyone attending an unapproved activity.

In the spirit of CROI and the goal of promoting scientific collaboration among colleagues, if you are invited to or are attending a meeting or activity that you think may not have been approved by CROI, please contact an IAS—USA staff member in the IAS—USA office.

Conference Badges
Badge pickup is available at the registration lobby; please bring government-issued photo identification that clearly shows your name. The CROI badge must be worn at all times during the conference to gain entry to all official meeting activities, including the poster sessions. Attendees will not be admitted into the meeting spaces without their CROI badge. THE CROI BADGE AND CONFIRMATION NUMBER MAY ONLY BE USED BY THE REGISTRANT AND CANNOT BE TRANSFERRED TO OR SHARED WITH OTHERS. USING ANOTHER INDIVIDUAL’S BADGE OR CONFIRMATION NUMBER TO GAIN ACCESS TO THE CONFERENCE VENUE, APP, OR OTHER RESOURCES IS STRICTLY PROHIBITED AND A VIOLATION OF CROI POLICIES.

DO NOT LOSE YOUR BADGE. Payment equivalent to the full registration fee will be required to replace a lost badge.

Conference Etiquette
Please ensure all mobile devices are turned off or set to SILENT mode in session rooms. In consideration for the work of the presenters at CROI and the CROI copyright policy, attendees may not photograph posters, record parts of talks, or post data without the presenter’s consent.

Out of respect for the presenters and conference attendees, children are not permitted in meeting rooms, including the poster halls.

COVID-19 Protocol
Although masking is not mandatory, we are mask-friendly and support anyone who wishes to wear a mask. Prior to your departure, we encourage you to take a COVID-19 test to ensure it is safe to travel and to follow CDC guidelines with regard to appropriate precautions and self-isolation.

A limited number of rapid antigen tests are available on a first-come, first-served basis at the Attendee Services desk in Lobby D, Meeting Room (Street) Level.

Americans With Disabilities Act
CROI endeavors to comply fully with the legal requirements of the Americans with Disabilities Act (ADA). Please visit the Attendee Services desk in Lobby D, Meeting Room (Street) Level, for information about accessibility services, including designated handicapped parking, seating for attendees with mobility needs, and listening devices for individuals who are hard of hearing.

Emergency Services
In the event of an emergency, please notify Colorado Convention Center Security immediately by dialing 200 on any beige House Phone or by calling +1 (303) 228-8030. CROI staff or any uniformed Colorado Convention Center personnel with a 2-way radio can also assist in an emergency. Colorado Convention Center requests that guests do not contact 911 directly, if at all possible.

The Convention Center First Aid Station is in Lobby E on the Street Level, near Guest Services.
TECHNOLOGY AND CONNECTIVITY

WiFi Access at the Conference
Complimentary WiFi access is provided at the Colorado Convention Center.
Network information is as follows:

Network Name: **CROI2024**

The WiFi password will change daily to prevent devices from automatically
calling to the network. Limiting the number of concurrent devices will help
maximize the internet speeds for those devices actively in use. The password for
each day of the conference is listed below and is case-sensitive.

**Saturday password:** **2024saturday**

**Sunday password:** **2024sunday**

**Monday password:** **2024monday**

**Tuesday password:** **2024tuesday**

**Wednesday password:** **2024wednesday**

If you are having a problem with WiFi access, please contact an IAS—USA staff member.

Conference App
To access the CROI Mobile App, use your reference number (on your name badge)
and the email address you used to register for CROI. The CROI 2024 Mobile App has
many features to enhance your conference experiences, including to:

- View abstracts and electronic posters
- Find information about speakers and other CROI attendees
- Create a personal calendar of the sessions you plan to attend
- Receive announcements with the latest changes to the CROI program

The Mobile App is compatible with iOS and Android devices. Search “CROI 2024” in your mobile device App store, or scan
the QR code for a direct link via the CROI website. Access is
restricted to registered attendees. Your login information
and password are provided with the registration materials.

Website
For additional information and to access electronic materials, please visit the CROI

Abstracts from CROI 2024 can be viewed and downloaded by registered attendees
via the Abstract eBook or the searchable database. Abstracts and electronic
posters from CROI 2014 to 2023 are publicly available at [www.CROIconference.org/abstracts/search-abstracts/](http://www.CROIconference.org/abstracts/search-abstracts/)

Live Streaming and On-Demand Webcasts
Plenary lectures, concurrent interactive symposia, oral abstract sessions sessions, and
themed discussions are streamed live and are available as on-demand webcasts within
24 hours of the end of the relevant session for registered attendees only.

Visit [www.CROIconference.org](http://www.CROIconference.org) or [www.CROIwebcasts.org](http://www.CROIwebcasts.org) to access the CROI webcasts.
Visit www.CROIconference.org/CROI-2024-resources for updated hotel information.
Denver Downtown Hotel Accommodations

1. Embassy Suites by Hilton Denver Downtown Convention Center
   1420 Stout St, Denver, CO 80202 | (303) 592-1000

2. Hyatt Regency Denver at Colorado Convention Center
   650 15th St, Denver, CO, 80202 | (303) 436-1234

3. Hampton Inn & Suites Denver/Downtown – Convention Center
   550 15th St, Denver, CO 80202 | (303) 623-5900

4. Homewood Suites Denver/Downtown – Convention Center
   550 15th St, Denver, CO 80202 | (303) 534-7800

5. Home2 Suites by Hilton Denver Convention Center
   801 15th St, Denver, CO 80202 | (303) 759-1301

6. Tru by Hilton Denver Downtown Convention Center
   801 15th St, Denver, CO 80202 | (303) 753-1201

7. The Slate Denver – Tapestry Collection by Hilton
   1250 Welton St, Denver, CO 80204 | (303) 292-5000

8. Sonesta Denver Downtown
   1450 Glenarm Pl, Denver, CO 80202 | (303) 573-1450

9. The Curtis Denver – A DoubleTree by Hilton Hotel
   1405 Curtis Street, Denver, CO 80202 | (303) 571-0300

10. Hotel Indigo Denver Downtown – Union Station, an IHG Hotel
    1801 Wewatta St, Denver, CO 80202 | (303) 623-4422

11. Grand Hyatt Denver
    1750 Welton St, Denver, CO, 80202 | (303) 295-1234

12. Kimpton Hotel Monaco Denver
    1717 Champa St, Denver, CO 80202 | (303) 296-1717

13. Hilton Denver City Center
    1701 California St, Denver, CO 80202 | (303) 297-1300

14. Hyatt Centric Downtown Denver Hotel
    1776 Champa St, Denver, CO 80202 | (303) 529-2340

15. Holiday Inn Express Denver Downtown
    1715 Tremont Pl, Denver, CO, 80202 | (303) 296-0400

16. Warwick Denver
    1776 Grant St, Denver, CO, 80203 | (303) 861-2000
ABSTRACT PROCESS

Abstract Content
Author names, institutions, titles, and abstracts in the CROI Program and Information Guide, Abstract eBook, Mobile App, and other materials are presented largely as submitted by the submitting author. The submitting author is responsible for ensuring that all coauthors have reviewed and approved the abstract before submission and for providing complete, including email addresses. THE SUBMITTING AUTHOR MUST ENSURE THAT THE EMAIL ADDRESSES OF ALL LISTED AUTHORS IN THEIR SUBMISSION ARE CORRECT for authors to receive important information regarding dispositions, presentation details, registration and housing information, and other CROI-related announcements.

Special Notes on Abstract Content
Tables and Figures
Each figure, table, or other graphic was reviewed in a blinded fashion by a 3-person panel. For reviews without unanimous consensus, the table, figure, or other graphic was assessed by an additional reviewer from the Scientific Program Committee. The inclusion of a figure, table, or other graphic must conform to the guidelines around length, size, complexity, and legibility. Elements that did not meet these guidelines were removed from consideration from the review process and, if the abstract was accepted, from inclusion in the eAbstract Book. For more information and examples, please visit https://www.croiconference.org/common-reasons-for-removal-of-table-and-figure/

People-First Language and the Use of Appropriate Terminology
CROI strongly advocates for the use of and strives to incorporate “people-first” language and acceptable terminology in all CROI-related written materials and presentations. All abstract authors and presenters should apply the following basic principles of appropriate language and terminology, including:

- Describe populations as “people, persons, or individuals with HIV” rather than “HIV-infected people, persons, or individuals.”
- Do not characterize people by their disease, infection, or condition; instead, use “people who inject drugs,” “individuals with cirrhosis,” or other similar constructs.
- Do not describe people enrolled in research studies or clinical trials as “subjects” or “patients.” Acceptable terms are research or clinical trial “participants” or “volunteers.”
- Ensure the correct use of the terms “sex” (refers to biologic sex at birth) and “gender” (refers to psychosocial or cultural identity). Appropriate corollary terms are “cisgender” (people whose gender matches their sex assigned at birth) or “transgender” (people whose gender does not match the sex assigned at birth).
- Do not use the term “sterilizing” when referring to HIV cure; it triggers a negative perception in many people due to historic sterilization campaigns and may discourage participation in research.

Presenting Author Responsibilities
The presenting author is responsible for presenting the abstract at the conference; poster presenters must be present at the poster during the entire assigned session. Submitting authors are responsible for ensuring that all coauthors have reviewed and approved the abstract contents before submission.
Embargo Policies and Social Media

All research presented at CROI 2024 is embargoed until the conclusion of the study’s presentation at the conference or after presentation at a press conference. For example, if a study is presented from 2:15 PM to 2:23 PM, as part of a session that begins at 2:00 PM and ends at 3:00 PM, the embargo on that study lifts at 2:23 PM. Embargoes on poster presentations lift at the beginning of the session in which the poster is presented. If a study to be presented at CROI 2024 is included in an official CROI press conference that takes place before the scheduled presentation of the study, the embargo on that study lifts at the conclusion of the press conference panel in which the study is featured. No public dissemination of research information from the conference is permitted prior to the lifting of the conference embargo.

CROI embargo policies apply to any public dissemination of research information presented at the conference, including electronic publications (eg, blogs), or social media (eg, X [formerly Twitter], Instagram, Facebook, etc). Individuals or organizations that violate the conference embargo policy may have their conference credentials revoked and may forfeit the opportunity to participate in future conferences.

Abstract Review Process

Each abstract was assigned to approximately 10 reviewers selected for each abstract category based on their individual expertise. Abstracts were reviewed for the quality and originality of the work and were scored numerically. All reviewers were instructed to abstain from scoring any abstract on which they are an author or coauthor, have a financial or personal conflict of interest, or do not have the appropriate expertise to evaluate.

Scores for each abstract were averaged and the standard deviation was calculated to assess variability. If variability was high, outlier scores were discussed. Abstracts were accepted for oral presentations, for poster presentations, or rejected. Late breaking abstract reviews included an assessment of the late-breaking nature of the work (distinct from a late submission, as they must meet a high threshold of scientific merit).

For more information, including common reasons for abstract rejection, visit the Abstract Guidelines page of www.CROIconference.org

Statistics for Abstracts

Abstract and Presentation Statistics for CROI 2024

<table>
<thead>
<tr>
<th>Description</th>
<th>Number</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Abstracts Submitted</td>
<td>1682</td>
<td></td>
</tr>
<tr>
<td>General Abstracts Accepted</td>
<td>966</td>
<td></td>
</tr>
<tr>
<td>Late-breaking Abstracts Submitted</td>
<td>220</td>
<td></td>
</tr>
<tr>
<td>Late-breaking Abstracts Accepted</td>
<td>101</td>
<td></td>
</tr>
<tr>
<td>Total Abstracts Submitted</td>
<td>1902</td>
<td></td>
</tr>
<tr>
<td>Total Abstracts Accepted</td>
<td>1067</td>
<td></td>
</tr>
<tr>
<td>Oral Abstract Presentations</td>
<td>111</td>
<td></td>
</tr>
<tr>
<td>Themed Discussion Presentations</td>
<td>54</td>
<td></td>
</tr>
<tr>
<td>Poster Presentations</td>
<td>956</td>
<td></td>
</tr>
</tbody>
</table>
CROI is committed to supporting new and early-career investigators, as well as community educators and international investigators working in resource-limited countries who would otherwise be unable to attend CROI. Through their applications and letters of recommendation, these awardees have shown they will greatly benefit from attending CROI. New Investigator and International Scholarship recipients are presenting authors on their respective abstracts and are labeled as such through the program.

### Activities for New Investigator Scholarship Awardees

**Scott M. Hammer Workshop for New Investigators and Trainees**

Widely considered the most informative and comprehensive session at CROI, this workshop highlights advances in HIV and SARS-CoV-2 molecular virology and immunology; advances in HIV treatment strategies, biomedical prevention, and cure; and community perspectives. Scholarship awardees are required to attend the entire workshop.

**Meet the Luminary Sessions**

Small-group sessions provide the unique opportunity to meet and network with a leading scientific expert (e.g., a named lecturer or plenary speaker at CROI) and to ask one-on-one questions in an intimate setting. Note: Sign-up in advance is required.

**Poster Walks**

Poster Walks promote a rich scientific discourse between scholarship awardees, poster presenters, and CROI Scientific Program Committee members as they discuss a curated list of presentations in basic science, clinical research, epidemiology, and public health. Each New Investigator Scholarship Awardee can attend a single Poster Walk session. Note: Sign-up in advance is required.

**New Investigator Networking Area**

Located in the Poster Hall (Poster Hall C-D, Exhibit Level), the New Investigator Networking Area provides a central meeting point and designated networking area for New Investigator Scholarship Awardees.

### Activities for Community Educator Scholarship Awardees

**Scott M. Hammer Workshop for New Investigators and Trainees**

Scholarship awardees are required to attend the entire workshop. Please refer to the description above for further details.

---

**Accepted Abstracts for Emerging Infections or Specific Populations**

<table>
<thead>
<tr>
<th>Description</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>SARS-CoV-2</td>
<td>193</td>
</tr>
<tr>
<td>Mpox</td>
<td>33</td>
</tr>
<tr>
<td>Adolescents</td>
<td>137</td>
</tr>
<tr>
<td>Men who have sex with men (MSM)</td>
<td>220</td>
</tr>
<tr>
<td>People who inject drugs (PWID)</td>
<td>84</td>
</tr>
<tr>
<td>Transgender men or women</td>
<td>84</td>
</tr>
<tr>
<td>Women or girls</td>
<td>259</td>
</tr>
</tbody>
</table>
Virtual Community Networking Breakfast Club
Coordinated by the CROI Community Liaisons and their global collaborators, these virtual meetings feature researchers and advocates discussing some of the most consequential science presented at CROI 2024. Open to CROI registrants and nonregistrants alike, these Zoom webinars will take place March 4, 5, and 6 from 7:00 AM MT to 8:00 AM MT.

Meet the Luminary Sessions
Small-group sessions for Community Educator Scholarship Awardees provide the unique opportunity to network with a leader in the field (eg, Community Educator mentor, or Program Committee member) and ask one-on-one questions in a small-group setting. Note: Sign-up in advance is required.

Poster Walks
Community Educator Scholarship Awardees can attend a single Poster Walk session. Please refer to the description above for further details. Note: Sign-up in advance is required.

Community Educator Scholarship Awardee Networking Area
A designated area in the Poster Hall (Poster Hall C-D, Exhibit Level) provides a central meeting point and designated networking area for Community Educator Scholarship Awardees and other HIV community representatives and advocates.
# CONFERENCE SERVICES

<table>
<thead>
<tr>
<th>Service</th>
<th>Location</th>
<th>Day</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Attendee Services</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Badge and Conference Materials Pickup</td>
<td>Lobby D</td>
<td>Saturday</td>
<td>3:00 PM – 6:00 PM</td>
</tr>
<tr>
<td>• Housing Information</td>
<td>Meeting Room (Street Level)</td>
<td>Sunday</td>
<td>7:00 AM – 7:00 PM</td>
</tr>
<tr>
<td>• Registration Desk</td>
<td></td>
<td>Monday to Wednesday</td>
<td>7:30 AM – 6:00 PM</td>
</tr>
<tr>
<td><strong>Bag and Coat Check</strong></td>
<td>Lobby D</td>
<td>Saturday</td>
<td>3:00 PM – 6:00 PM</td>
</tr>
<tr>
<td></td>
<td>Meeting Room (Street Level)</td>
<td>Sunday</td>
<td>7:00 AM – 9:00 PM</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Monday to Wednesday</td>
<td>7:30 AM – 6:00 PM</td>
</tr>
<tr>
<td><strong>Continental Breakfast</strong></td>
<td>Bellco Lobby</td>
<td>Monday</td>
<td>7:30 AM – 8:30 AM</td>
</tr>
<tr>
<td></td>
<td>Meeting Room (Street Level)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Media Center</strong></td>
<td>Room 501/502</td>
<td>Sunday</td>
<td>10:00 AM – 7:30 PM</td>
</tr>
<tr>
<td></td>
<td>Meeting Room (Street Level)</td>
<td>Monday and Tuesday</td>
<td>8:00 AM – 6:00 PM</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Wednesday</td>
<td>7:00 AM – 6:00 PM</td>
</tr>
<tr>
<td><strong>IAS-USA Office</strong></td>
<td>Room 603</td>
<td>Saturday</td>
<td>3:00 PM – 6:00 PM</td>
</tr>
<tr>
<td></td>
<td>Meeting Room (Street Level)</td>
<td>Sunday to Wednesday</td>
<td>7:00 AM – 6:00 PM</td>
</tr>
<tr>
<td><strong>Speaker Ready Room</strong></td>
<td>Room 702/704/706</td>
<td>Saturday</td>
<td>3:00 PM – 6:00 PM</td>
</tr>
<tr>
<td></td>
<td>Meeting Room (Street Level)</td>
<td>Sunday to Wednesday</td>
<td>6:00 AM – 6:00 PM</td>
</tr>
<tr>
<td><strong>Personal Considerations and Lactation Room</strong></td>
<td>Room 701</td>
<td>Sunday to Wednesday</td>
<td>7:00 AM – 6:00 PM</td>
</tr>
<tr>
<td></td>
<td>Meeting Room (Street Level)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>New Investigator Networking Area</strong></td>
<td>Poster Hall (Poster Hall C-D)</td>
<td>Sunday</td>
<td>8:00 AM – 6:00 PM</td>
</tr>
<tr>
<td></td>
<td>Exhibit Level</td>
<td>Monday to Wednesday</td>
<td>7:30 AM – 6:00 PM</td>
</tr>
<tr>
<td><strong>Community Educator Networking Area</strong></td>
<td>Poster Hall (Poster Hall C-D)</td>
<td>Sunday</td>
<td>8:00 AM – 6:00 PM</td>
</tr>
<tr>
<td></td>
<td>Exhibit Level</td>
<td>Monday to Wednesday</td>
<td>7:30 AM – 6:00 PM</td>
</tr>
<tr>
<td><strong>Denver Visitors Information Booth</strong></td>
<td>Lobby F</td>
<td>Sunday to Wednesday</td>
<td>10:00 AM – 4:00 PM</td>
</tr>
<tr>
<td></td>
<td>Street Level</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Convention Center First Aid Station</strong></td>
<td>Lobby E</td>
<td>Saturday</td>
<td>3:00 PM – 6:00 PM</td>
</tr>
<tr>
<td></td>
<td>(Guest Services)</td>
<td>Sunday</td>
<td>8:00 AM – 9:00 PM</td>
</tr>
<tr>
<td></td>
<td>Street Level</td>
<td>Monday to Wednesday</td>
<td>7:30 AM – 5:30 PM</td>
</tr>
<tr>
<td><strong>Convention Center Emergency Medical Services</strong></td>
<td>Dial 200 on any beige house phone or call (303) 228-8030</td>
<td></td>
<td>Available 24/7</td>
</tr>
</tbody>
</table>

---

**ATTENDEE SERVICES**

- Badge and Conference Materials Pickup
- Housing Information
- Registration Desk

**Lobby D Meeting Room (Street Level)**

**Bag and Coat Check**

- Location: Lobby D Meeting Room (Street Level)
- Days: Saturday, Sunday, Monday to Wednesday
- Hours: 3:00 PM – 6:00 PM, 7:00 AM – 9:00 PM, 7:30 AM – 6:00 PM

**Continental Breakfast**

- Location: Bellco Lobby Meeting Room (Street Level)
- Days: Monday to Wednesday
- Hours: 7:30 AM – 8:30 AM

**Media Center**

- Location: Room 501/502 Meeting Room (Street Level)
- Days: Sunday, Monday and Tuesday, Wednesday
- Hours: 10:00 AM – 7:30 PM, 8:00 AM – 6:00 PM, 7:00 AM – 6:00 PM

**IAS-USA Office**

- Location: Room 603 Meeting Room (Street Level)
- Days: Saturday, Sunday to Wednesday
- Hours: 3:00 PM – 6:00 PM, 7:00 AM – 6:00 PM

**Speaker Ready Room**

- Location: Room 702/704/706 Meeting Room (Street Level)
- Days: Saturday, Sunday to Wednesday
- Hours: 3:00 PM – 6:00 PM, 6:00 AM – 6:00 PM

**Personal Considerations and Lactation Room**

- Location: Room 701 Meeting Room (Street Level)
- Days: Sunday to Wednesday
- Hours: 7:00 AM – 6:00 PM

**New Investigator Networking Area**

- Location: Poster Hall (Poster Hall C-D) Exhibit Level
- Days: Sunday, Monday to Wednesday
- Hours: 8:00 AM – 6:00 PM, 7:30 AM – 6:00 PM

**Community Educator Networking Area**

- Location: Poster Hall (Poster Hall C-D) Exhibit Level
- Days: Sunday, Monday to Wednesday
- Hours: 8:00 AM – 6:00 PM, 7:30 AM – 6:00 PM

**Denver Visitors Information Booth**

- Location: Lobby F Street Level
- Days: Sunday to Wednesday
- Hours: 10:00 AM – 4:00 PM

**Convention Center First Aid Station**

- Location: Lobby E (Guest Services) Street Level
- Days: Saturday, Sunday, Monday to Wednesday
- Hours: 3:00 PM – 6:00 PM, 8:00 AM – 9:00 PM, 7:30 AM – 5:30 PM

**Convention Center Emergency Medical Services**

- Location: Dial 200 on any beige house phone or call (303) 228-8030
- Availability: Available 24/7
Workshop-01 | Scott M. Hammer Workshop for New Investigators and Trainees
8:30 AM - 12:40 PM - Mile High Ballroom 1-2-3

Objective: At the completion of the session, participants will be able to:
- Attend CROI with an understanding of novel research in molecular virology, immunology, cure, and HIV in children and adolescents, as well as the important role of community in research design and implementation

Target Audience: This session is directed to new investigators and trainees (eg, postdoctoral fellows, physician fellows, undergraduate students, and graduate students). Attendance is mandatory for all scholarship recipients, but the workshop is open to all CROI attendees.

Level of Knowledge: It is assumed that participants have been conducting active research in the field for 1 to 3 years.

Conveners
Katharine J. Bar University of Pennsylvania, Philadelphia, PA, USA
Serena S. Spudich Yale University, New Haven, CT, USA

1 | 8:30 AM | Overview of the Scott M. Hammer Workshop for New Investigators and Trainees

8:33 AM | The Evolving HIV Landscape: From the Unimaginable to the Imaginable Cure
Adam Castillejo, The London Patient, London, UK

9:05 AM | Navigating Presentations in Molecular Virology at CROI 2024
Frank Kirchhoff, Ulm University Medical Center, Ulm, Germany

9:47 AM | Navigating Presentations in SARS-CoV-2 and HIV Immunology at CROI 2024
Elizabeth Connick, University of Arizona, Tucson, AZ, USA

10:19 AM | Navigating Presentations in HIV Cure at CROI 2024
Afram A. Okoye, Oregon Health and Sciences University, Portland, OR, USA
Workshops

**Sunday**

10:51 AM | **Navigating Presentations in HIV Prevention at CROI 2024**
LaRon E. Nelson, Yale University, New Haven, CT, USA

11:33 AM | **Navigating Presentations in Pediatric HIV at CROI 2024**
Jennifer Jao, Northwestern University, Chicago, IL, USA

12:05 PM | **From Early-Stage Investigator to Change Agent: Thoughts on Maximizing the Impact of Your Career**
Jeanne M. Marrazzo, National Institute of Allergy and Infectious Diseases, Bethesda, MD, USA

---

**Workshop-02 | Frontiers in Laboratory Technologies**
1:30 PM - 3:30 PM • Four Seasons Ballroom 2-3

**Objective:** At the completion of the session, participants will be able to:

- Describe state-of-the-art approaches for single-cell analyses, transcriptomics, and imaging, including strengths, limitations, and novel applications

**Target Audience:** This session is directed to early-stage investigators who are interested in understanding the impact of novel laboratory technologies.

**Level of Knowledge:** It is assumed that the participants are familiar with the basics of laboratory technologies in HIV virology, immunology, and vaccine science.

**Conveners**
Katharine J. Bar, University of Pennsylvania, Philadelphia, PA, USA
Frank Kirchhoff, Ulm University Medical Center, Ulm, Germany

2 | 1:30 PM | **Cryoelectron Microscopy-Based Polyclonal Epitope Mapping (cryoEMPEM)**
Gabriel Ozorowski, The Scripps Research Institute, La Jolla, CA, USA

3 | 2:00 PM | **A Spotlight on HIV: Visualizing Post-Entry Events by Correlative Light and Electron Microscopy**
Barbara Müller, Heidelberg University, Heidelberg, Germany

4 | 2:30 PM | **Single-Virus Tracking: Capturing Fast, 3-Dimensional Viral Dynamics in Live Tissue Models**
Kevin D. Welsher, Duke University, Durham, NC, USA

5 | 3:00 PM | **Single-Cell Multi-Omics of HIV Cellular Reservoirs**
Iain C. Clark, University of California Berkeley, Berkeley, CA, USA
Workshop-03 | Case-Based Workshop on the Liver and Its Complications  
1:30 PM - 3:30 PM • Mile High Ballroom 4

**Objectives:** At the completion of the session, participants will be able to:

- List risk factors and valid methods for detecting steatotic liver disease
- Describe the optimal approach to detect and treat hepatitis D virus infection
- Identify hepatocellular carcinoma screening indications and evidence-based interventions in persons with cirrhosis

**Target Audience:** This session is directed to clinicians and clinical researchers with an interest in hepatitis and liver disease.

**Level of Knowledge:** It is assumed that the participants are familiar with general clinical principles, physical findings, and diagnostic testing as they relate to liver disease.

**Conveners**

David L. Wyles, Denver Health Medical Center, Denver, CO, USA

Annie Luetkemeyer, University of California San Francisco, San Francisco, CA, USA

---

**Workshop-04 | Case-Based Workshop on Antiretroviral Therapy: A Panel Discussion**

1:30 PM - 3:30 PM • Mile High Ballroom 1-2-3

**Objectives:** At the completion of the session, participants will be able to:

- Describe the options for initial antiretroviral therapy (ART) for people with HIV
- Identify the challenges in managing ART during pregnancy
- Describe appropriate ART in persons with tuberculosis coinfection

**Target Audience:** This session is directed to clinicians treating persons with HIV.

**Level of Knowledge:** It is assumed that the participants are familiar with the basics of antiretroviral therapy.
Workshops

Conveners
Claudia P. Cortes, University of Chile, Santiago, Chile
Rajesh T. Gandhi, Massachusetts General Hospital, Boston, MA, USA

9 | 1:30 PM | Overview of the Case-Based Workshop on Antiretroviral Therapy

Panel Discussion

| Anchalee Avihingsanon, HIV-NAT, Bangkok, Thailand | Anton L. Pozniak, Chelsea and Westminster Hospital, London, UK |
| Loice Achieng Ombajo, University of Nairobi, Nairobi, Kenya | Janine M. Trevillyan, Doherty Institute for Infection and Immunity, Melbourne, Australia |

Workshop-05 | Clinical Trial Design and Analysis
1:30 PM - 3:30 PM • Four Seasons Ballroom 1

Objectives: At the completion of the session, participants will be able to:
• Describe strategies for measuring user preferences for prevention and treatment tools
• Explain the goals and design of hybrid effectiveness implementation studies
• Describe rationale and strategies for stopping trials early, as well as potential pitfalls and cautions

Target Audience: This session is directed to investigators who are interested in unique clinical and epidemiologic trial design and interpretation.

Level of Knowledge: It is assumed that the participants are familiar with the basic design of randomized and observational clinical trials and epidemiologic studies.

Conveners
Susan P. Buchbinder, San Francisco Department of Public Health, San Francisco, CA, USA
Richard E. Chaisson, The Johns Hopkins University School of Medicine, Baltimore, MD, USA

10 | 1:30 PM | Exploring Strategies to Measure and Understand Users’ Preferences in HIV Prevention and Care
Christine Tagliaferri Rael, University of Colorado Anschutz Medical Campus, Aurora, CO, USA

11 | 2:05 PM | Hybrid Effectiveness Implementation Studies: Unrecognized Challenges and Emerging Directions
Elvin H. Geng, Washington University in St Louis, St Louis, MO, USA

12 | 2:40 PM | Stopping Clinical Trials Early: When and Why
Sally A. Hunsberger, National Institute of Allergy and Infectious Diseases, Bethesda, MD, USA
Opening Session

5:00 PM - 7:00 PM • Bellco Theatre

CME

Session Hosts
Landon Myer, University of Cape Town, Cape Town, South Africa

Diane V. Havlir, University of California San Francisco, San Francisco, CA, USA

Richard A. Koup, National Institute of Allergy and Infectious Diseases, Bethesda, MD, USA

Ntando Yola, University of Cape Town, Cape Town, South Africa

Welcome from the Chairs

Bernard Fields Lecture
The Bernard Fields Lecture, named in tribute to the exemplary work of the esteemed microbiologist and virologist Bernard N. Fields, is given during the Opening Session by a basic scientist recognized for their important and relevant contributions to the field of virology and viral pathogenesis.

Introduction of the Bernard Fields Lecture

N’Galy-Mann Lecture
The N’Galy-Mann Lecture recognizes an HIV/AIDS researcher for their important and relevant work in the fields of epidemiology or clinical research. The Lecture is named in honor of Drs Bosenge N’Galy and Jonathan Mann for their crucial, pioneering work in HIV science in Africa.

Introduction of the N’Galy-Mann Lecture

Martin Delaney Presentation
The Martin Delaney Presentation, named in honor of the exceptional advocacy work of Martin Delaney, recognizes the important role of community advocacy and engagement in research.

Introduction of the Martin Delaney Presentation

Opening Reception
(Poster Hall C-D) Exhibit Level
MONDAY, MARCH 4, 2024

**Plenary-01 | Monday Plenary Session**
8:30 AM - 9:30 AM • Bellco Theatre

**Session Hosts**
Elizabeth Connick, University of Arizona, Tucson, AZ, USA
Ruanne V. Barnabas, Massachusetts General Hospital, Boston, MA, USA

**CROI Program Committee Chair Welcome to Monday**
Landon Myer, University of Cape Town, Cape Town, South Africa

**16 | What’s New in HIV Vaccines: Vaccine-Induced Immune Responses**
M. Juliana McElrath, Fred Hutchinson Cancer Center, Seattle, WA, USA

**17 | Shall We Reach Human Papillomavirus Elimination in the Face of Inequity?**
Nelly R. Mugo, Kenya Medical Research Institute, Nairobi, Kenya

**Oral Abstract Session-01 | HIV Immunology and Vaccines**
10:00 AM - 12:00 PM • Four Seasons Ballroom 1

**Moderators**
Cara C. Wilson, University of Colorado Anschutz Medical Campus, Aurora, CO, USA
Guido Ferrari, Duke University, Durham, NC, USA

**Introductions (Part 1)**

100 | Safety Profile and Immunogenicity of a Phase I Clinical Trial Using Germline-Targeting Trimer GT1.1
Karlijn van der Straten, Tom Caniels, Emma Reiss, Annelou L. van der Veen, Katrina Millard, David C. Montefiori, Georgia D. Tomaras, Dagna Laufer, Vincent Philiponis, Michelle J. Klouwen, Marit van Gils, Rogier W. Sanders, David Diemert, Godelieve J. de Bree, Marina Caskey

101 | Vaccine Combining Slow-Delivery and Follicle-Targeting Improve Humoral and Germinal Center Responses
Kristen A. Rodrigues, Y. Jason Zhang, Aereas Aung, Duncan Morgan, Laura Maiorino, Parisa Yousefpour, Justin Gregory, Parastoo Amlashi, Maureen Buckley, J. Christopher Love, Darrell Irvine
Oral Abstract Sessions

102  10:21 AM  Multi-Specificity Is a Common Trait of HIV-1 Broad Neutralizing Capacity
Peter Rursert, Chloé Pasin, Merle Schanz, Borys Pedenko, Daniel Schmidt, Irene A. Abela, Nikolas Friedrich, Cyrille Niklaus, Michèle Sickmann, Jaqueline Weber, Gregory Effantin, Winfried Weissenhorn, Huldrych F. Günthard, Roger Kouyos, Alexandra Trkola

103  10:29 AM  CD4 Binding Site Glycan-Deficient SHIVs Elicit Broadly Neutralizing Antibodies in Rhesus Macaques
Daniel J. Morris, Hui Li, Jinery Lora, Kirsten Sowers, Christian Martella, Yingying Li, Barton F. Haynes, Tongqing Zhou, Peter D. Kwong, George M. Shaw

Questions and Answers (Part 1)
Introductions (Part 2)

104  11:00 AM  MHC-E Presentation Mediates SIV-Specific NK Cell Responses in SIV-Infected Rhesus Macaques
Philippe Rasche, Rhianna Jones, Griffin Woolley, Kyle Kroll, Karen Terry, Esther Lee, Stephanie Jost, Keith Reeves

105  11:08 AM  [18F]F-AraG PET Imaging Reveals Unique Tissue T-Cell Activation Patterns Across HIV Infection States
Timothy J. Henrich, Robert Flavell, Michael J. Peluso, Kofi Asare, Maya Aslam, Emily Fehrman, Meghann C. Williams, Viva Tai, Rebecca Hoh, Youngho Seo, Jenella Levi, Steven G. Deeks, Henry VanBreuklin

106  11:16 AM  Biomarker Signatures in Phase Ib Study With PD-1 Inhibitor, Budigalimab, in PLWH Undergoing ATI

107  11:24 AM  Live Single-Cycle SARS-CoV-2 Vaccine Elicits High Protection and Sterilizing Immunity
Fabian Otte, David Hauser, Martin J. Lett, Jacob Schoen, Enja T. Kipfer, Donata Hoffmann, Nico J. Halwe, Angele Breithaupt, Lorenz Uhlich, Tobias Britzke, Lorena Urda, Christian Mittelholzer, Martin Beer, Thomas Klimkait

Questions and Answers (Part 2)

Oral Abstract Session-02  |  Neuropathogenesis of HIV
10:00 AM - 12:00 PM  •  Four Seasons Ballroom 2-3

Moderators
Shibani S. Mukerji, Massachusetts General Hospital, Boston, MA, USA
Andrea Calcagno, University of Turin, Turin, Italy

Introductions (Part 1)
109  
10:05 AM  
**Assessing the Contribution of Glial Activation to Cognitive Control and Declarative Memory in PWH**  
Leah H. Rubin, Pauline Maki, Yong Du, Shannon Eileen Sweeney, Riley O’Toole, Raha M. Dastgheyb, Asante Kamkwala, Hannah Lee, Joan Severson, Il Minn, Katrina A. Wugalter, Arnold Bakker, Martin Pomper, Jennifer M. Coughlin

110  
10:13 AM  
**Associations Between Depressive Symptom Severity and Incident Stroke Among People With HIV**  
Jimmy Ma, Robin M. Nance, David Tirschwell, Stephanie A. Ruderman, Lydia N. Drumright, Maile Karris, Lyndsey S. Mixson, Joseph Zunt, Felicia C. Chow, Barbara M. Grippshover, Emily Ho, Richard D. Moore, Joseph A. Delaney, Heidi M. Crane, for the Center for AIDS Research Network of Integrated Clinical Systems

111  
10:21 AM  
**Carotid Inflammation on FDG-PET Is Associated With Lower Cognitive Function in Treated HIV Infection**  
Meg Wilson, Shady Abohashem, Ahmed A. Tawakol, Priscilla Y. Hsue, Felicia C. Chow

112  
10:29 AM  
**Low Levels of HIV-1 in CSF During ART Are Associated With Neurocognitive Impairment and Inflammation**  

Questions and Answers (Part 1)

113  
11:00 AM  
**HIV Transcription Persists in the Brain of People With HIV and Viral Suppression**  
Janna Jamal Eddine, Thomas A. Angelovich, Jingling Zhou, Sarah J. Byrne, Carolin Tumpach, Nadia Saraya, Emily Chalmers, Stephanie Marinis, Paul R. Gorry, Jacob D. Estes, Bruce J. Brew, Sharon R. Lewin, Sushama Telwatte, Michael Roche, Melissa J. Churchill

114  
11:08 AM  
**Infected T-Cell Clones Are Shared Across CSF and Blood Compartments in PWH**  
Meng Wang, Jennifer Yoon, Hailey Reisert, Bibhuprasad Das, Jennifer Chiarella, John W. Mellors, Alina P. Pang, Joshua C. Cyktor, Margaret Fikrig, Elias K. Halvas, Yuval Kluger, Serena Spudich, Michael J. Corley, Shelli Farhadian

Questions and Answers (Part 2)

108  
**Mini-Lecture on Neuropathogenesis of HIV**  
Sharon R. Lewin

Questions and Answers (Part 2)
Oral Abstract Session-03  Clinical Trials of Novel Antiretroviral Therapies
10:00 AM - 12:00 PM  Mile High Ballroom 1-2-3

Moderators
Aadia I. Rana, University of Alabama at Birmingham, Birmingham, AL, USA
Jose R. Arribas, La Paz University Hospital, Madrid, Spain

Introductions (Part 1)

115  10:05 AM  Single Dose Administration of MK-8527, a Novel nRTTI, in Adults With HIV-1

116  10:13 AM  Antiviral Activity, Safety, and Pharmacokinetics of GS-1720: A Novel Weekly Oral InSTI
Carl J. Fichtenbaum, Mezgebe Berhe, Jose Bordon, Jacob P. Lalezari, Godson Oguchi, Gary Sinclair, Furong Wang, Brie Falkard, Haeyoung Zhang, Eva Mortensen, Jared Baeten, Moti Ramgopal

117  10:21 AM  VH3810109 (N6LS) in Adults With HIV-1 Who Are ART-Naive: Phase Ila BANNER Efficacy Data
Peter Leone, Alejandro Ferro, Sergio Lupo, Joseph McGowan, Paul Benson, Marisa Sanchez, Stefan Schneider, Paul Wannamaker, Beta Win, Judah Abberbock, Viviana Wilches, Margaret Gartland, Max Lataillade, Jan Losos

118  10:29 AM  A First-in-Human Study of the Trispecific HIV-1 Broadly Neutralizing Antibody, SAR441236
Athe Tsibris, Yu E. Zheng, Edmund Capparelli, Katherine Rodriguez, Randall Tressler, Antoine Deslandes, Katherine Shin, Philip Marzinke, Lucio Gama, Baiba Berzins, Chanelle Wimbish, Chih-Jen Wei, Gary Nabel, Daniel R. Kuritzkes, Pablo Tebas

Questions and Answers (Part 1)

119  11:00 AM  Safety and Efficacy of VRC07-523LS Plus Long-Acting Cabotegravir in the Phase II ACTG A5357 Trial
Babafemi Taiwo, Yu E. Zheng, Katherine Rodriguez, Leah Burke, Jackie Reeves, Paul Wannamaker, Lucio Gama, Christos Petropoulos, Kimberly K. Scarsi, Pablo Belaunzaran-Zamudio, Ronald D’Amico, Katharine J. Bar, Pablo Tebas, for the ACTG A5357 Team

120  11:08 AM  Lenacapavir Plus bNAbs for People With HIV and Sensitivity to Either Teropavimab or Zinlirvimab
Joseph J. Eron, Paul P. Cook, Megha Mehrotra, Hailin Huang, Marina Caskey, Gordon Crofoot, Edwin DeJesus, Linda Gorgos, Laurie VanderVeen, Olayemi O. Osiyemi, Cynthia Brinson, Sean E. Collins
Therapeutic Efficacy of a Triple Combination of HIV-1 Broadly Neutralizing Antibodies

Randomized Trial of Cabotegravir and Rilpivirine Long-Acting in Africa (CARES): Week 48 Results

Questions and Answers (Part 2)

Oral Abstract Session-04 | Game Changers in Prevention of HIV and Sexually Transmitted Infections
10:00 AM - 12:00 PM • Mile High Ballroom 4

Moderators
Ken Ho, University of Pittsburgh, Pittsburgh, PA, USA
Sharon Mannheimer, Harlem Hospital Center, New York, NY, USA

Introductions (Part 1)

Phase I Safety, Tolerability, and Pharmacokinetics of Tenofovir Alafenamide Implants in African Women
Tanuja N. Gengiah, Quarraisha Abdool Karim, Lara Lewis, Ishana Harkoo, Leila E. Mansoor, Johara Khan, Zainab Kharva, Nqobile Myeni, Natasha Samsunder, Marc M. Baum, John A. Moss, Catherine Hankins, Bruno Pozzetto, James F. Rooney, Salim S. Abdool Karim

Final Results of ANRS 174 DOXYVAC: A Randomized Trial to Prevent STI in MSM on PrEP
Jean-Michel G. Molina, Béatrice Bercroft, Lambert Assoumou, Michele Algarte-Genin, Emma Rubenstein, Gilles Pialoux, Christine Katlama, Laure Surgers, Cecile Bebear, Nicolas Dupin, Jean-Paul Viard, Juliette Pavie, Claudine Duvivier, Jade Ghosn, Dominique Costagliola

Sustained Reduction of Bacterial STIs During the DoxyPEP Study Open-Label Extension
Annie Luetskemeyer, Deborah Donnell, Stephanie Cohen, Julia C. Dombrowski, Cole Grabow, Clare E. Brown, Chase Cannon, Eric Vittinghoff, Hyman Scott, Edwin Charlebois, Susan P. Buchbinder, Diane Havlir, Olusegun Soge, Connie Celum, for DoxyPEP Study Team

Doxycycline PEP: High Uptake and Significant Decline in STIs After Clinical Implementation
Hyman Scott, Jorge Roman, Matthew A. Spinelli, Jason Bena, Thiago S. Torres, Susan P. Buchbinder

Questions and Answers (Part 1)
Introductions (Part 2)
127  
11:00 AM  
Doxy-PEP Associated With Declines in Chlamydia and Syphilis in MSM and Trans Women in San Francisco  
Madeline Sankaran, David V. Glidden, Robert P. Kohn, Courtney Liebi, Thiago S. Torres, Susan P. Buchbinder, Annie Luetskemeyer, Monica Gandhi, Diane Havlir, Janet Q. Nguyen, Hyman Scott, Jorge Roman, Oliver Bacon, Trang Q. Nguyen, Stephanie E. Cohen

128  
11:08 AM  
Site-Based HIV Testing Assay Performance for Cabotegravir and TDF-FTC PrEP Failure in HPTN 083  

129  
11:16 AM  
Safety and Pharmacokinetics of MK-8527, a Novel nRTTI, in Adults Without HIV  
Gillian Gillespie, Russ P. Carstens, Xiaowei Zang, Ryan Vargo, Yash Kapoor, Arinijita Bhattacharyya, Jean-Francois Denef, Tom Reynders, Frédéric Vanhoutte, Sylvie Rottey, Randolph P. Matthews, S. Aubrey Stoch, Marian Iwamoto

130  
11:24 AM  
Phase I Study of Cabotegravir Long-Acting Injectable Formulations Supports ≥4-Monthly Dose Interval  
Kelong Han, Ronald D’Amico, Jörg Sievers, Darin Brimhall, Brian Spears, Dale Taylor, David Dorey, Paul Benn, Lisa Morgan, Randa Hareedy, Gilda Bontempo, Max Lataillade, William Spreen

131  
11:32 AM  
Cabotegravir Maintains Protective Efficacy in the Setting of Bacterial STIs: HPTN 083  
Meredith Clement, Brett Hanscom, Daniel Haines, Jose A. Bazan, Nuntisa Chotirosniramit, Sharon Mannheimer, Kenneth H. Mayer, Mayara Secco Torres da Silva, Lydia Soto-Torres, Alex R. Rinehart, James F. Rooney, Marybeth McCauley, Beatriz Grinsztejn, Raphael J. Landovitz, for the HPTN 083 Study Team

Questions and Answers (Part 2)

Themed Discussion-01 | Viral Rebound  
1:30 PM - 2:30 PM - Four Seasons Ballroom 2-3

Themed Discussion Leader  
Javier Martinez-Picado, IrsiCaixa Institute for AIDS Research, Badalona, Spain

Session Overview

484  
1:35 PM  
Common T-Cell Features Predicting Time to Rebound in Interventional and Non-Interventional Treatment  
Tongcui Ma, Ashley F. George, Reuben Thomas, Min-Gyoun Shin, Mauricio Montano, Satish K. Pillai, Katherine S. Pollard, Rajesh T. Gandhi, Jonathan Z. Li, Davey M. Smith, Steven G. Deeks, Ole S. Søgaard, Martin Tolstrup, Warner C. Greene, Nadia R. Roan
The Fraction of HIV Reservoir Variants Neutralized by Autologous IgG Correlates With Time to Rebound

Mauro A. Garcia, Junlin Zhuo, Joseph Varriale, Anna Farrell-Sherman, Jun Lai, Anthony Abeyta-Lopez, Natalie F. McMyn, Rebecca Hoh, Michael J. Peluso, Francesco R. Simonetti, Steven G. Deeks, Lillian Cohn, Robert F. Siliciano, Janet M. Siliciano

Intact HIV Reservoir Levels Are Stable After Short-Term ART Interruption

Prerana Shrestha, Autumn Kittleson, Meghan Melberg, Evgenia Aga, Ronald J. Bosch, Jintanat Ananworanich, Robert Coombs, John W. Mellors, Alan Landay, Bernard Macatangay, Steven G. Deeks, Rajesh T. Gandhi, Davey M. Smith, Jonathan Z. Li, for the AIDS Clinical Trials Group A5345 Study Team

Intact HIV Reservoir Levels Are Stable After Short-Term ART Interruption

Prerana Shrestha, Autumn Kittleson, Meghan Melberg, Evgenia Aga, Ronald J. Bosch, Jintanat Ananworanich, Robert Coombs, John W. Mellors, Alan Landay, Bernard Macatangay, Steven G. Deeks, Rajesh T. Gandhi, Davey M. Smith, Jonathan Z. Li, for the AIDS Clinical Trials Group A5345 Study Team

Dynamics of the Intact HIV Reservoir During ART Following Analytical Treatment Interruption

Maegan R. Manning, Jana Blazkova, Jesse S. Justement, Victoria Shi, Brooke D. Kennedy, M. A. Rai, Catherine A. Seamon, Kathleen R. Gittens, Michael C. Sneller, Susan Moir, Tae-Wook Chun

Immune Responses and HIV Reservoir Evolution From Pre-ART to 5 Years Into Post-Treatment Control

Leah Carrere, Miriam Rosás-Umbert, Benjamin Bone, Giacomo S. Frattari, Isabelle Roseto, Xiaodong Lian, Martin Tolstrup, Ce Gao, Mariane H. Schleimann, Xu G. Yu, Jesper D. Gunst, Mathias Lichterfeld, Ole S. Søgaard

Impact of Semaglutide on Weight Change Among People With HIV: A Stratified Analysis by Baseline BMI


Effects of Semaglutide on Inflammation and Immune Activation in HIV-Associated Lipohypertrophy

Allison Ross Eckard, Qian Wu, Abdus Sattar, Nicholas Funderburg, Kate Ailstock, Danielle Labbato, Grace A. McComsey

Effects of Semaglutide on Muscle Structure and Function in the SLIM Liver Study


Themed Discussion-02 | Is the Weight Over: GLP-1 Receptor Agonists Are Here

1:30 PM - 2:30 PM - Mile High Ballroom 1-2-3

Themed Discussion Leader

Todd T. Brown, The Johns Hopkins University, Baltimore, MD, USA

Session Overview

Impact of Semaglutide on Weight Change Among People With HIV: A Stratified Analysis by Baseline BMI


Effects of Semaglutide on Inflammation and Immune Activation in HIV-Associated Lipohypertrophy

Allison Ross Eckard, Qian Wu, Abdus Sattar, Nicholas Funderburg, Kate Ailstock, Danielle Labbato, Grace A. McComsey

Effects of Semaglutide on Muscle Structure and Function in the SLIM Liver Study


Discussion with Audience Questions and Answers
Themed Discussion-03 | PEP Prevention Toolbox: Do We Know How to Use It?
1:30 PM - 2:30 PM • Four Seasons Ballroom 1

Themed Discussion Leader
Sigal Yawetz, Brigham and Women’s Hospital, Boston, MA, USA

Session Overview

1131 1:35 PM
Mary R. Tanner, Wei Wei, Weiming Zhu, Ya-Lin A. Huang, Jesse G. O’Shea, Athena Kourtis, Karen W. Hoover

1134 1:40 PM
BIC/FTC/TAF as HIV PEP Was Well-Tolerated With High Adherence and No Seroconversions
Darrell H. S. Tan, Reva Persaud, Attia Qamar, Isaac I. Bogoch, Arlene Chan, Allison Chris, Karla Fisher, Richard T. Lester, John Maxwell, James Murray, Hong Qian, Hubert Wong

1130 1:45 PM
A Matter of Time: Factors Associated With Delayed nPEP Initiation
Nicholas Brian Bana, Massimo Puoti, Chiara Baiguera, Alessandro Raimondi, Leonardo Rezzone, Francesco Peracchi, Cristina Moioli, Leonardo Chianura, Giovanna Travi, Carlo andreia Orcese, Fulvio Crippa, Carlotta Rogati, Marta Vecchi, Marco Merli, Roberto Rossotti

1133 1:50 PM
PrEP Following PEP: An Effective HIV Risk-Reduction Strategy
Gary Whitlock, Courtney Taylor, Lucy Turner, Holly Thompson

Discussion with Audience Questions and Answers

Themed Discussion-04 | Hazards Ahead: The Intersection of HIV and Substance Use
1:30 PM - 2:30 PM • Mile High Ballroom 4

Themed Discussion Leader
Steffanie A. Strathdee, University of California San Diego, San Diego, CA, USA

Session Overview

999 1:35 PM
Trends and Correlates of Methamphetamine Use Among Men Who Have Sex With Men in the US, 2014-2021
Michael P. Barry, Benjamin Meana, Sara N. Glick, David Katz, Travis H. Sanchez, Matthew Golden, Steven M. Goodreau

1009 1:40 PM
Johanna Chapin-Bardales, Dita Broz, Patrick Eustaqui o, Jonathan Feelemyer, Teresa Finlayson, Savannah Harris, Cyprian Wejnert, for the NHBS Study Group
Themed Discussions

**Interactive Symposium-01 | The HIV Vaccine Journey: Don’t Stop Believin’**
4:00 PM - 5:30 PM • Four Seasons Ballroom 2-3

**Objectives:** At the completion of the session, participants will be able to:

- Describe the relationship between plasma virus neutralization after passive antibody administration and protection from HIV infection and how this establishes a goal for vaccine-induced plasma virus neutralization
- List different germline targeting HIV vaccine strategies and their design differences
- Describe at least 2 novel vaccine strategies that have increased immune responses in preclinical vaccine testing

**Target Audience:** This session is directed to virologists, immunologists, clinicians, and all stakeholders interested in the latest information on HIV vaccine progress.

**Level of Knowledge:** It is assumed that the participants are familiar with the basic elements of HIV biology, protein structure, and how the immune system responds to vaccination.

**Conveners**
- **Georgia D. Tomaras,** Duke University, Durham, NC, USA
- **Leonidas Stamatakos,** Fred Hutchison Cancer Center, Seattle, WA, USA

**18 | 4:00 PM | Neutralizing Antibody Protection: Where Do We Go From Here?**
- **Yunda Huang,** Fred Hutchison Cancer Center, Seattle, WA, USA

---

**995 | 1:45 PM | Prescription Opioid Use and Disorder Among Older Adults With HIV in the US From 2008-2019**
- **Stephanie Shiau,** Fabrizio Drago, Kylie Getz, Greta Bushnell, Hillary Samples, Alexis Bender, Laura Bennett, Perry N. Halkitis, Tobias Gerhard, Jason A. Roy, Silvia S. Martins, Michael T. Yin, Stephen Crystal

**1001 | 1:50 PM | Hazardous Alcohol Use Predicts Detectable Viremia Among Ugandan Women: A Prospective Analysis**
- **Amanda P. Miller,** Rhoda K. Wanyenze, Rose Naigino, Michael Ediau, Seth C. Kalichman, Nicolas A. Menzies, Mose H. Bateganya, Susan M. Kiene

**1003 | 1:55 PM | Associations of Alcohol Consumption With Long-Term Mortality of ART-Naïve Persons Seeking HIV Care**
- **Daniel Fuster,** Paola Zuluaga, Enric Abellí-Deulofeu, Laura Bermejo, Santiago Moreno, Lucio J. García-Fraile, Jose Antonio Iribarren, Cristina Moreno, Ines Suarez-Garcia, David Vinuesa, Vicente Estrada, Julian Olalla-Sierra, Juan Macias, Inma Jarrin, Robert Muga

**Discussion with Audience Questions and Answers**
Objectives: At the completion of the session, participants will be able to:

- Describe the epidemiology of the growing cohorts of young adults who have grown up living with HIV
- Identify health and social challenges young adults with perinatally-acquired HIV are facing in their HIV care and transition into adult life, including the burden of mental health disorders and social inequities that drive poorer health outcomes in ways that differ from those without HIV
- Explain how life-long HIV and antiretroviral therapy exposures impact inflammation and associated cardiometabolic complications

Target Audience: This session is directed to clinicians, epidemiologists, advocates, and others involved in the care and study of adolescents and young adults with HIV.

Level of Knowledge: It is assumed that the participants will be familiar with pediatric and adolescent HIV clinical management and with the long-term impacts of HIV and antiretroviral therapy on physical and mental health.

Conveners

Allison L. Agwu, The Johns Hopkins University School of Medicine, Baltimore, MD, USA
Victor Reyes, Howard University, Washington, DC, USA
Interactive Symposium-03 | The Return of Syphilis
4:00 PM - 5:30 PM - Mile High Ballroom 1-2-3

Objectives: At the completion of the session, participants will be able to:

- List the current limitations, challenges, and prospects for syphilis testing
- Describe the current global epidemic of syphilis in pregnant people and the challenges with eradicating congenital syphilis
- Describe diagnostic and treatment challenges in the management of syphilis

Target Audience: This session is directed to physicians, laboratory scientists, and epidemiologists who have an interest in sexually-transmitted infections and syphilis in particular.

Level of Knowledge: It is assumed that the participants are familiar with syphilis etiology and the current epidemic of syphilis.

Conveners

Jodie A. Dionne, University of Alabama at Birmingham, Birmingham, AL, USA
Alex de Voux, University of Cape Town, Cape Town, South Africa

24 | 4:00 PM | Why Can’t We Do Better at Diagnosing Syphilis?
Ina Park, University of California San Francisco, San Francisco, CA, USA

25 | 4:20 PM | The Burgeoning Epidemic of Congenital Syphilis
Angelica Espinosa Miranda, Ministry of Health, Brasilia, Brazil

26 | 4:40 PM | Syphilis Management Conundrums
Khalil G. Ghanem, The Johns Hopkins University School of Medicine, Baltimore, MD, USA

5:00 PM | Audience Questions and Answers

Oral Abstract Session-05 | COVID-19: Epidemiologic and Clinical Insights
4:00 PM - 5:30 PM - Mile High Ballroom 4

Moderators

Jonathan Z. Li, Brigham and Women’s Hospital, Boston, MA, USA
Barry S. Zingman, Montefiore Medical Center, Bronx, NY, USA
**Introductions (Part 1)**

**132 Monday 4:05 PM**

**COVID-19 Incidence and Severity in Persons With Reinfection vs Post-Vaccination Breakthrough Infection**

**Adeel A. Butt**, Peng Yan, Obaid S. Shaikh

**133 Monday 4:13 PM**

**mRNA Vaccine Versus Hybrid Immunity Against COVID-19 Among People With HIV During Omicron Wave**

**Asa Tapley**, Aaron Hudson, Bo Zhang, Jessica Andriesen, Leigh H. Fisher, Craig A. Magaret, Margaret Yacovone, Peter B. Gilbert, Corey Larry, Glenda Gray, Sufia Dadabhai, Philip Kotze, Yunda Huang, Nigel Garrett, for the CoVPN 3008 Ubuntu Study Team

**134 Monday 4:21 PM**

**SARS-CoV-2 Viral Clearance and Evolution Varies by Extent of Immunodeficiency**

**Yijia Li**, Manish C. Choudhary, James Regan, Julie Boucau, Anusha Nathan, Tessa Speidel, May Y. Liew, Gregory E. Edelstein, Michael S. Seaman, Gaurav D. Gaiha, Mark J. Siedner, Amy K. Barczak, Jacob E. Lemieux, Jonathan Z. Li, for the POSITIVES Study Team

**135 Monday 4:29 PM**

**Analysis of Emergent SARS-CoV-2 Antiviral Resistance and Its Association With Virologic Rebound**

**Trevor J. Tamura**, Fizah Yousuf, Manish C. Choudhary, Rinki Deo, Anadela Navarrete Gomez, Gregory E. Edelstein, Julie Boucau, Dessie Tien, Tammy D. Vyas, Robert W. Shafer, Mark J. Siedner, Amy K. Barczak, Jacob E. Lemieux, Jonathan Z. Li, for the POSITIVES Study Team

**Questions and Answers (Part 1)**

**Introductions (Part 2)**

**136 Monday 5:00 PM**

**Molnupiravir Does Not Increase 3CLpro Resistance Mutations When Co-Administered With Nirmatrelvir/r**


**137 Monday 5:08 PM**

**Mini-Lecture: Progress in Understanding the Mechanisms of Long COVID**

**Annukka A. R. Antar**

**138 Monday 5:16 PM**

**Multimodal Assessment of Antigen Persistence in the Post-Acute Phase of SARS-CoV-2 Infection**

**Michael J. Peluso**, Sarah Goldberg, Zoe Swank, Brian H. Lafranchi, Scott Lu, Thomas Dalhuijzen, Badri Viswanathan, Ma Somsouk, J. D. Kelly, Steven G. Deeks, Zoltan Laszik, David Walt, Jeffrey Martin, Timothy J. Henrich, for the LIINC Study Team

**Questions and Answers (Part 2)**
TUESDAY, MARCH 5, 2024

Plenary-02 | Tuesday Plenary Session
8:30 AM - 9:30 AM • Bellco Theatre

Session Hosts
Stuart J. D. Neil, King’s College London, London, UK
Constance A. Benson, University of California San Diego, La Jolla, CA, USA

CROI Program Committee Chair Welcome to Tuesday
Nicolas Chomont, Université de Montréal, Montreal, Canada

27 | HIV Assembly, Maturation Inhibitors, and Drug Resistance

Eric O. Freed, National Cancer Institute, Frederick, MD, USA

28 | Accelerating Tuberculosis Elimination: Short-Course Prevention and Treatment

Vidya Mave, Byramjee Jeejeebhoy Government Medical College – Johns Hopkins Research Program, Pune, India

Oral Abstract Session-06 | Virus at the Wheel: Regulation of Replication and Immunity
10:00 AM - 12:00 PM • Four Seasons Ballroom 2-3

Moderators
Juwon Park, University of Hawaii at Manoa, Honolulu, HI, USA
Eric M. Poeschla, University of Colorado Anschutz Medical Campus, Aurora, CO, USA

Introductions (Part 1)

139
10:05 AM
HIV-1 Transcription Start Sites Usage and Its Impact on Unspliced RNA Functions In Vivo
Saiful Islam, Zetao Cheng, Olga Nikolaitchik, Robert Gorelick, Vinay K. Pathak, Frank Maldarelli, Wei-Shau Hu

140
10:13 AM
Investigation of the Functional Role of DDX42 in HIV-1 Viral RNA Splicing
Xiao Lei, Ann Emery, Peng Zhang, Arjun Kanjarpane, Ronald Swanstrom, Paul D. Bieniasz
Structural Basis of Translation Inhibition by MERS-CoV Nsp1 Reveals a Conserved Mechanism for β-CoVs
Michael Vetick, Swapnil Devarkar, Shrvani Balaji, Ivan Lomakin, Yong Xiong

“Traitor”-Virus-Guided Discovery of Novel Antiviral Factors
Caterina Prelli Bozzo, Alexandre Laliberté, Aurora De Luna, Chiara Pastorio, Meta Volcic, Alexander Graf, Stefan Krebs, Helmut Blum, Konstantin M. Sparrer, Frank Kirchhoff

**Questions and Answers (Part 1)**

**Introductions (Part 2)**

Immunoregulatory Pathways Predict Mortality More Strongly in People With Versus Without HIV

HIV-1 Soluble gp120 Is Associated With Immune Dysfunction in Individuals on Antiretroviral Therapy
Mehdi Benlarbi, Jonathan Richard, Carl Chartrand-Lefebvre, Marc Messier-Peat, Andrew Clark, Walther Mothes, Daniel E. Kaufmann, Frank Maldarelli, Nicolas Chomont, Cécile Tremblay, Ralf Duerre, Marzena Pazgier, Madeleine Durand, Andrés Finzi, for the Canadian HIV and Aging Cohort Study

Rapid Emergence and Adaptive Evolution of SARS-CoV-2 Variants in Advanced HIV Infection
Sung Hee Ko, Pierce Radecki, Frida Belinky, Jinal Bhiman, Susan Meiring, Jackie Kleynhans, Daniel Amoako, Margaret Lucas, Vanessa Guerra, Tatsiana Bylund, Nicole Wolter, Stefano Tempia, Anne von Gottberg, Cheryl Cohen, Eli Boritz

Temperature-Dependent SARS-CoV-2 Spike-ACE2 Interaction Is Associated With Viral Transmission
Mehdi Benlarbi, Shilei Ding, Étienne Bélanger, Alexandra Tauzin, Halima Medjahed, Raphaël Poujol, Omar El-Ferri, Yuxia Bo, Julie Hussin, Judith Fafard, Marzena Pazgier, Inès Levade, Cameron Abrams, Marceline Côté, Andrés Finzi

IFNα2 Autoantibodies Post-SARS-CoV-2 Wave 1 in India Are Associated With Lower Omicron Symptomology

**Questions and Answers (Part 2)**
Late-Breaking New Investigator Scholarship

Tuesday

CROI 2024

Oral Abstract Sessions

Moderators
Mosepele Mosepele, University of Botswana, Gaborone, Botswana
Celestine Wanjalla, Vanderbilt University, Nashville, TN, USA

Introductions (Part 1)

148 10:05 AM
Treatment of Prehypertension in People Living With HIV: A Randomized Controlled Trial
Lily D. Yan, Vanessa Rouzier, Rodney Sufra, Colette Guiteau, Mrline Jean, Fabiyola Preval, Joseph inddy, Pierre Obed Fleurijean, Alexandra Apollon, Nour Mourra, Myung Hee Lee, Suzanne Oparil, Marie Deschamps, Jean W. Pape, Margaret McNairy

149 10:13 AM
A Nurse-Led Strategy Improves Blood Pressure and Cholesterol in People With HIV: The EXTRA-CVD Trial
Chris T. Longenecker, Kelley A. Jones, Corrilyn O. Hileman, Nwora Lance Okeke, Barbara M. Gripshover, Angela Aifah, Gerald S. Bloomfield, Charles Muiruri, Valerie A. Smith, Rajesh Vedanthan, Allison R. Webel, Hayden B. Bosworth

150 10:21 AM
Community Health Worker-Facilitated Telehealth for Severe Hypertension Care in Kenya and Uganda
Matt Hickey, Asiphas Owaraganise, Sabina Ogachi, Norton M. Sang, Erick Wafula Mugoma, James Ayieko, Jane Kabami, Gabriel Chanie, Elijah Kakande, Maya L. Petersen, Laura B. Balzer, Diane Havlir, Moses R. Kamya

151 10:29 AM
Pitavastatin Reduces Non-Calciﬁed Plaque via Pro-Collagen PCOLCE Independently of LDL in REPRIEVE
Márton Kolossváry, Samuel R. Schnittman, Markella Zanni, Kathleen V. Fitch, Carl J. Fichtenbaum, Judith A. Aberg, Gerald S. Bloomfield, Judith S. Currier, Marissa Diggs, Chris deFilippi, Sara McCallum, Michael T. Lu, Heather J. Ribaudo, Pamela S. Douglas, Steven Grinspoon

Questions and Answers (Part 1)

152 11:00 AM
Pitavastatin Has No Effect on Long-Term, Objective Physical Function in REPRIEVE

153 11:08 AM
Lung Function, HIV, and Mortality: Analyses From the AIDS Linked to the Intravenous Experience Cohort
Sarah Raju, Jacquie Astemborski, Jing Sun, Meredith C. McCormack, Greg Kirk
Prostate Cancer Characteristics and Outcomes for Veterans With HIV in the Antiretroviral Era  
Keith Sigel, Lesley S. Park, Amy C. Justice, Michael Leapman, Janet Tate, for the VACS Study Group

InStI Switch During Menopause Is Associated With Accelerated Body Composition Change  
Rebecca Abelman, Yifei Ma, Cyra C. Mehta, Qian Yang, James Brock, Maria L. Alcaide, Anjali Sharma, Michelle Floris-Moore, Elizabeth F. Topper, Kathleen Weber, Seble Kassaye, Deborah Gustafson, Cecile D. Lahrie, Phyllis Tien

Questions and Answers (Part 2)

Oral Abstract Session-08 | Hepatitis and Tuberculosis  
10:00 AM - 12:00 PM • Four Seasons Ballroom 1

Moderators  
Karine Lacombe, Sorbonne Université, Paris, France  
Jyoti S. Mathad, Weill Cornell Medicine, New York, NY, USA

Introductions (Part 1)

Simultaneous Initiation in ART-Naive PWH of DTG-Based ART & 3HP Maintains Efficacious DTG Levels  
Ethel D. Weld, Belén Perez Solans, Isadora Salles, Bareng Aletta Nonyane, M Sebe, Trevor Beattie, Manasa Mapendere, Tanya Nielson, Jayajothi Moodley, Violet Chihota, Rada Savic, Kelly Dooley, Richard Chaisson, Gavin Churchyard, for the UNITAID IMPAACT4TB Consortium

Early Bactericidal Activity of the Alpibectir-Ethionamide (AlpE) Combination Against Tuberculosis  

NAFLD and Advanced Fibrosis Are Common in Adults With HIV and Associated With Unique Histology  

Semaglutide Reduces Metabolic Dysfunction-Associated Steatotic Liver Disease in People With HIV: SLIM LIVER  
Jordan E. Lake, Douglas W. Kitch, Amy Kantor, Raja Muthupillai, Karin Klingman, Christina Vernon, Carl J. Fichtenbaum, Sonya Heath, Hugo Perazzo, Kathleen Corey, Todd T. Brown, Alan Landay, Fred R. Sattler, Kristine M. Erlandson

Questions and Answers (Part 1)  
Introductions (Part 2)
160 11:00 AM  Trends in HIV and HCV Prevention Efforts and Incidence Among People Who Inject Drugs in Baltimore  
**Eshan U. Patel**, Becky Genberg, Bryan Lau, Jacqueline E. Rudolph, Jacque Astemborski, Rachel E. Gicquelais, Danielle German, David D. Celentano, David Vlahov, Steffanie Strathdee, Greg Kirk, David Thomas, Shruti H. Mehta

161 11:08 AM  Preclinical Pharmacokinetic Assessment of a Hepatitis C Virus Long-Acting Injectable Formulation  
**Usman Arshad**, Henry Pertinez, Joanne Sharp, Joanne Herriott, Edyta Kijak, Eduardo Gallardo-Toledo, Andrew B. Dwyer, Catherine Unsworth, Alison C. Savage, James J. Hobson, Lee Tatham, David Thomas, Paul Curley, Steve Rannard, Andrew Owen

162 11:16 AM  Intrahepatic HDV Activity Is Fueled by Integrated HBV DNA-Derived HBs Independently From cccDNA Size  
**Stefano D’Anna**, Lorenzo Piromette, Elisabetta Teti, Andrea Di Lorenzo, Giuseppina Brancaccio, Umberto Cillo, Alessandro Vitale, Leonardo Baiocchi, Antonella Olivero, Giovanni Battista Gaeta, L. Sarmati, Mario Rizzetto, Gian Paolo Caviglia, Valentina Sivicher, Romina Salpini

163 11:24 AM  A 4-Month Regimen of Quabodepistat, Delamanid, and Bedaquiline for Pulmonary TB: Interim Results  
**Rodney Dawson**, Andreas H. Diacon, *Simbarashe Takuva*, Yongge Liu, Bo Zheng, Vatsala Karwe, Tomohiro Sasaki, Jeffrey Hafkin

164 11:32 AM  Provisional Results From a 3-Month Clofazimine/Rifapentine-Containing Regimen for Drug-Sensitive TB  
**John Metcalfe**, Isabelle Weir, Kimberly K. Scarsi, Samuel Pierre, Austin Van Grack, Cecilia Kanyama, Maxwell Yohane, Wadzanai Samaneka, Neetal Nevrekar, Jorge Leon-Cruz, Alberto Mendoza-Tica, Melanie Goth, Richard E. Chaisson, for the ACTG A5362 CLO-FAST Study Team

Questions and Answers (Part 2)

**Oral Abstract Session-09 | Leaning Into the Success of Biomedical HIV Prevention**  
10:00 AM - 12:00 PM • Mile High Ballroom 4

**Moderators**

Nomathemba Chandiwana, *University of the Witwatersrand, Johannesburg, South Africa*

Meredith Clement, *Louisiana State University, New Orleans, LA, USA*

**Introductions (Part 1)**

**Patrick S. Sullivan**, Stephanie Dubose, Kamaria Brisco, Gordon Le, Marta Juhasz

166 10:13 AM  HIV Incidence in Users of HIV Preexposure Prophylaxis in Australia: A Whole-of-Population Analysis  
**Nicholas A. Medland**, Hamish McManus, Benjamin Bavinton, Michael Traeger, Doug Fraser, Andrew Grulich, Mark Stoove, Skye McGregor, Jonathan King, Dash Heath-Paynter, Rebecca Guy
Late-Breaking New Investigator Scholarship

**High PrEP Uptake and Adherence Measured Objectively Among Young African Women in the INSIGHT Cohort**
Brenda G. Mirembe, Meighan Krows, Zinhle Zwane, Elizabeth Bukusi, Ravindra Panchia, Cheryl Louw, Nolutshunda Mwelase, Pearl Selepe, Melissa Senne, Logashvari Naidoo, Rachel Kawalzaira, Margaret Kasaro, Monica Gandhi, Renee Heffron, Connie Celum

**Safety of Dapivirine Vaginal Ring and Oral PrEP for HIV Prevention in the Second Trimester**
Felix Mhlanga, Katherine E. Bunge, Lee Fairlie, Clemensia Nakabibiito, Luis Gadama, Nyaradzo Mgodi, Ashley J. Mayo, Catherine A. Chappell, Jeanna Piper, Nahida Chakhtoura, Daniel W. Szydlo, Barbra Richardson, Sharon L. Hillier

Questions and Answers (Part 1)

Introductions (Part 2)

**Phone Calls for PrEP Persistence in Kenyan Women in Postabortal Care: A Cluster Randomized Trial**
Renee Heffron, Lydia Etyang, Bernard Nyerere, Inviolata Wanyama, Yasaman Zia, Torin T. Schaafsma, Katherine K. Thomas, Margaret Mwangi, Lavender A. June, Felix Mogaka, Catherine Kiptinnen, Michael Kamiru, Kenneth Ngure, Elizabeth Bukusi, Nelly R. Mugo

**Adherence Benchmarks for TFV-DP in DBS and PBMCs for African Women Using FTC/TDF PrEP**
Kenneth K. Mugwanya, Nelly R. Mugo, Deborah Donnell, Matilda Saina, Clare E. Brown, Torin T. Schaafsma, David Chege, Elena A. Reckkina, Bhavna Chohan, Sarah Mbaire, Alex Hill, Kenneth Ngure, Lane Bushman, Jared Baeten, Peter L. Anderson, for the Women Benchmark Study Team

**HIV Incidence in the INSIGHT Cohort of African Women: Recency Testing and Prospective Follow-Up**

**Randomized Trial of SEARCH Dynamic Choice HIV Prevention Including Injectable Cabotegravir (CAB-LA)**
Moses R. Kamya, Laura B. Balzer, James Ayieko, Jane Kabami, Elijah Kakande, Gabriel Champie, Nicole Sutter, Helen Sunday, John Schrom, Melanie Bacon, Catherine A. Koss, Alex R. Rinehart, Maya L. Petersen, Diane Havlir, for the SEARCH Consortium

Questions and Answers (Part 2)

**Themed Discussion-05 | Persistent Immune Activation and Inflammation During Antiretroviral Therapy**
1:30 PM - 2:30 PM • Four Seasons Ballroom 1

**Themed Discussion Leader**
Frank Maldarelli, National Cancer Institute, Frederick, MD, USA
Introductions (Part 1)

348 1:35 PM  
Low-Level HIV Viremia Affects T-Cell Activation and Senescence in InSTI Era  
Violeta Lara Aguilar, Manuel Llamas-Adán, Oscar Brochado-Kith, Celia Crespo-Bermejo, Sergio Grande-García, Sonia Arca-Lafuente, Ignacio De los Santos, María Carmen Prado, Mario Alía, Coral Sainz-Pinós, Amanda Fernández-Rodríguez, Luz Martín-Carbonero, Ricardo Madrid, Verónica Briz

349 1:40 PM  
Ultra-Low Level HIV p24 Production as a Driver of Immune Activation in Individuals Treated with ART  
Enrico Richter, Theresa Bechtel, Antonia Büning, Marek Korencak, Trevor A. Crowell, Heiko Jessen, Juergen K. Rockstroh, Stefan Esser, Christoph Boesecke, Hendrik Streeck

350 1:45 PM  
CARD8 Activation in Myeloid Cells as a Driver of Inflammation in HIV Infection  
Marilia R. Pinzone, Liang Shan

351 1:50 PM  
Increased Immune Activation Following Acute Sleep Deprivation in People With HIV on ART  
Priya V. Borker, Benjamin Morris, Jennifer Roscher, Steven Swanger, Sanjay R. Patel, Bernard J. C. Macatangay

352 1:55 PM  
Immunosuppressive Effects of LLDT-8 in ART-Treated SIV-Infected Rhesus Macaques  
Xiaosheng Liu, Tingxia Lv, Jing Xue, Ling Lin, Lianfeng Lu, Xiaodi Li, Yang Yang, Yuanni Wu, Qiang Wei, Wei Cao, Taisheng Li

Discussion with Audience Questions and Answers

Themed Discussion Leader

Elizabeth M. Stringer, University of North Carolina at Chapel Hill, Chapel Hill, NC, USA

Session Overview

913 1:35 PM  
Maternal HIV Is Associated With Lower Risk of Preeclampsia Among Zambian Women  
Katelyn J. Rittenhouse, Margaret Kasaro, M. Bridget Spelke, Yuri Sebastiao, Humphrey Mwape, Kenneth Chanda, Nelly Mandona, Bellington Vwalika, Jeffrey S. Stringer

910 1:40 PM  
Hypertension in Pregnant Persons by HIV Status and by DTG vs EFV Use in Botswana  
Denise L. Jacobson, Modiegi Diseko, Judith Mabuta, Ellen Caniglia, Kathleen M. Powis, Lynn Yee, Joseph M. Makhema, Shahin Lockman, Roger Shapiro, Rebecca Zash
Themed Discussions

**916**  
1:45 PM  
**Association of HIV and Dolutegravir With Changes in Blood Pressure During Pregnancy and Postpartum**  
Landon Myer, Elaine J. Abrams, Mustafa Shuaib, Hlengiwe P. Madlala, Sandisiwe Matyseni, Phindi Zwane, Allison Zerbe, Justine Legbedze, Elton Mukonda, **Jennifer Jao**

**912**  
1:50 PM  
**Pregnancy History Affects Age-Related Comorbidity Burden in US Women With and Without HIV**  
Lauren F. Collins, Cyra C. Mehta, Ava Cox, Qian Yang, Tina Tisdale, Martina Badell, Igho Ofotokun, Daniel Westreich, Adaora Adimora, Seble Kassaye, Elizabeth F. Topper, Deborah Konkle-Parker, Aadia Rana, Maria L. Alcaide, Anandi N. Sheth

**918**  
1:55 PM  
**DTG Versus EFV Initiation in Pregnancy Is Not Associated With Postpartum Blood Pressure**  
Thokozile R. Malaba, Sylvia Nassiwa, Nengjie He, Helen Reynolds, Jim Read, Lucy Read, Catherine Orrell, Angela Colbers, Catriona Waitt, Mohammed Lamorde, Saye Khoo, Duolao Wang, Landon Myer, for the DolPHIN-2 Study Group

Discussion with Audience Questions and Answers

**Themed Discussion-07 | Anal Cancer Screening and Pathogenesis**  
1:30 PM - 2:30 PM • Four Seasons Ballroom 2-3

**Themed Discussion Leader**  
Timothy J. Wilkin, Weill Cornell Medicine, New York, NY, USA

**Session Overview**

**760**  
1:35 PM  
**Evaluation of the Performance of Different High-Resolution Anoscopy Triage Strategies in MSM LWH**  
Eugenio Nelson Cavallari, Federica Alessi, Chiara Eberspacher, Marco Ridolfi, Ilyass El Abboubi, Alessandra Latini, Angelina Pernazza, Daniela Bosco, Domenico Mascagni, Claudio Maria Mastroianni, Gabriella D’Ettorre

**761**  
1:40 PM  
**Anal Self-Sampling Is Suitable for Anal Cancer Screening Among Men Who Have Sex With Men in Togo**  
Valentine M. Ferré, Arnold Sadio, Romane Guilbaud, Meryem Zaidi, Mawussé K. Attiso, Mounerou Salou, Laurent Abramowitz, Mélanie Bertine, Amivi P. Amenyah-Ehlan, Ephram Mensah, Claver Anoumou Dagnra, Jade Ghosn, Diane Descamps, Didier Koundri Ekoouevi, **Charlotte Charpentier**

**759**  
1:45 PM  
**Clinical Predictors and Outcomes of Anal Cancer for People With HIV in an Inception Cohort**  
Edward Cachay, Tari Gilbert, Huifang Qin, Christopher Mathews

**762**  
1:50 PM  
**Long-Term ART Is Not Associated With Reduced Anogenital Cancer Risk: A Case-Cohort Study**  
Maanasa Mendu, Taolo Ntloedibe, Memory Bvochora-Nsinga, Sebathu Chiyapoo, Kutlo Manyake, Isaac Nkele, Rebecca Luckett, Tendani Gaolathe, Joseph M. Makhema, Peter Vuyilsteke, Shahin Lockman, Scott Dryden-Peterson

Discussion with Audience Questions and Answers
Themed Discussion-08 | Violence, Displacement, and HIV
1:30 PM - 2:30 PM - Mile High Ballroom 4

Themed Discussion Leader
Mesfin T. Tessema, International Rescue Committee, New York, NY, USA

Session Overview

1205 1:35 PM  
**Impact of Natural Disasters on HIV Risks and Viral Suppression in Ugandan Fishing Village**  
**Hadijja Nakawooya**, Victor Ssempijja, Anthony Ndyanabo, Fred Nalugoda, Maria J. Wawer, David Serwadda, Ronald H. Gray, Joseph Kagaayi, Steven J. Reynolds, Tom Lutalo, Godfrey Kigozi, Ping T. Yeh, Larry W. Chang, Mary Kate Grabowski, Robert Ssekubugu

1221 1:40 PM  
**The Need to Address Violence for PrEP Uptake Among Adolescent Girls and Young Women in South Africa**  
**Courtney P. Bonner**, Felicia A. Browne, Jacequeline W. Ndirangu, Alexandra M. Minnis, Ilene Speizer, Laura Nyblade, Khatija Ahmed, Tracy Kline, Wendee M. Wechsberg

1206 1:45 PM  
**Prevalence of HIV and Viral Load Suppression Among Refugees in Uganda, October to December 2021**  
Samuel Biraro, Shannon M. Farley, Joshua Musinguzi, Wilford Kirungi, David Okimait, Veronica Mugisha, Ronald Nyakoojo, Sam Sendagala, Herbert Kiyungi, Jennifer Nel, Lisa Nelson, Brittany Gianetti, Christine West, David Hoos, Wafaa El-Sadr

1226 1:50 PM  
**Violence and HIV Sexual Risk Behaviours Among Adolescent Girls and Young Women: Eswatini Experience**  
**Siphwebi M. Shongwe-Gama**, Cebisile Ngcamphalala, Mabutho C. Mamba, Harrison Kamiru, Poppy M. Sithole, Bonisile Nhlabatsi, Choice Ginindza, Michelle Li, Kaye Seya Marie, Francis B. Anor, Luara Chiang, Ruben Sahabo

Discussion with Audience Questions and Answers

Interactive Symposium-04 | Not Just a Pretty Shape: HIV Assembly to Disassembly
4:00 PM - 5:30 PM - Four Seasons Ballroom 1

CME

**Objectives:** At the completion of the session, participants will be able to:

- Identify the properties of the HIV-1 genome that promote selective incorporation into assembling virus particles
- Describe how the viral Gag protein coordinates assembly and structural rearrangements to form a mature capsid lattice
- List the steps the mature capsid lattice follows upon release in the new target cells to regulate nuclear import and evasion of intrinsic immunity
**Target Audience:** This session is directed to trainee and senior scientists, clinicians, and others with a general interest in virology.

**Level of Knowledge:** It is assumed that the participants are familiar with the basics of the HIV-1 replication cycle and cell tropism.

---

### Overview

**Interactive Symposia**

**Target Audience:** This session is directed to epidemiologists, clinicians, immunologists, virologists, and public health officials who are interested in hepatitis B and similar infectious diseases.

**Level of Knowledge:** It is assumed that the participants are familiar with fundamental principles of epidemiology, microbiology, immunology, and clinical medicine as related to viral hepatitis.

**Conveners**

- **Gilles Wandeler,** University of Bern, Bern, Switzerland
- **Gail Matthews,** Kirby Institute, Sydney, Australia

---

**Interactive Symposium-05 | New Frontiers in Hepatitis B**

4:00 PM - 6:00 PM • Mile High Ballroom 4

**Objectives:** At the completion of the session, participants will be able to:

- Describe the treatment, prophylaxis, and public health impact of hepatitis B in sub-Saharan Africa
- Summarize the current understanding of novel hepatitis B biomarkers and their use in disease staging and therapeutic management
- Identify host mechanisms responsible for control of hepatitis B and treatment modalities that seek to enhance these mechanisms to facilitate viral suppression
- Describe the international management of hepatitis B

---

**Tuesday**

**Interactive Symposium-05 | New Frontiers in Hepatitis B**

4:00 PM - 6:00 PM • Mile High Ballroom 4

**CME**

---

**Conveners**

- **Owen Pornillos,** University of Utah, Salt Lake City, UT, USA
- **Melissa Kane,** University of Pittsburgh, Pittsburgh, PA, USA

---

**29 | 4:00 PM | HIV-1 Genome Packaging During Virion Assembly: Selecting the Right RNA**

*Wei-Shau Hu,* National Cancer Institute, Frederick, MD, USA

---

**30 | 4:20 PM | Virion Maturation: Folding Into the Right Shape**

*Mamuka Kvaratskhelia,* University of Colorado, Aurora, CO, USA

---

**31 | 4:40 PM | Virion Disassembly: Keeping it Together Until the Right Moment**

*Gregory Towers,* University College London, London, UK

---

5:00 PM | Audience Questions and Answers
Interactive Symposia

32 | 4:00 PM | **Novel Markers of Hepatitis B: Clinical Utility for New Treatment Strategies**
Fabien Zoulim, L'Université Claude Bernard Lyon 1, Lyon, France

33 | 4:25 PM | **Advances in HBV Immunotherapy: The Beginning of the End?**
Adam Gehring, University of Toronto, Toronto, Canada

34 | 4:50 PM | **How New WHO Guidance Might Transform Hepatitis B in Sub-Saharan Africa**
Olufunmilayo Lesi, World Health Organization, Geneva, Switzerland

5:10 PM | **International Perspectives on Hepatitis B: Panel Discussion**

Anna S. Lok, University of Michigan, Ann Arbor, MI, USA
Beatriz Grinsztejn, Oswaldo Cruz Foundation - Fiocruz, Rio de Janeiro, Brazil
Fabien Zoulim, L'Université Claude Bernard Lyon 1, Lyon, France
Olufunmilayo Lesi, World Health Organization, Geneva, Switzerland
Chien-Ching Hung, National Taiwan University Hospital, Taipei, Taiwan
Lived Experience: Wes Spurr, Denver, CO, USA

Interactive Symposium-06 | **Roundtable on DoxyPEP: Ready or Not…**
4:00 PM - 5:30 PM • Mile High Ballroom 1-2-3

**Objectives:** At the completion of the session, participants will be able to:
- Describe findings about efficacy, adherence, and acceptability of doxyPEP in trials among men who have sex with men, transgender women, and cisgender women
- Explain the concerns and available data about antimicrobial resistance in STIs and bystander bacteria
- Describe doxyPEP guidelines, early implementation approaches, and uptake

**Target Audience:** This session is directed to clinicians, program managers, and community members interested in doxycycline postexposure prophylaxis (doxyPEP) for sexually transmitted infection (STI) prevention.

**Level of Knowledge:** It is assumed that the participants are familiar with the concept of doxycycline for STI prevention.
Conveners
Kenneth Ngure, Jomo Kenyatta University of Agriculture and Technology, Nairobi, Kenya
Michael Traeger, Burnet Institute, Melbourne, VIC, Australia

35 | 4:00 PM | Introduction to DoxyPEP: Understanding the Issues
Chase A. Cannon, University of Washington, Seattle, WA, USA

36 | 4:20 PM | DoxyPEP: Should We Worry About Antimicrobial Resistance?
Beatrice B. S. L. Bercot, St Louis Hospital, Paris, France

37 | 4:40 PM | Implementation of DoxyPEP: Challenges and Opportunities
Stephanie E. Cohen, San Francisco Department of Public Health, San Francisco, CA, USA

5:00 PM | Audience Questions and Answers

Interactive Symposium-07 | Impact on HIV Care and Services Among Refugees, Displaced Persons, and Marginalized Populations
4:00 PM - 5:30 PM • Four Seasons Ballroom 2-3

Objectives: At the completion of the session, participants will be able to:
• Describe the current state of displacement around the world, including major causes of displacement
• List the health challenges faced by refugees, displaced persons, and marginalized populations
• Identify successful models for responding to the health needs of refugees, displaced persons, and marginalized populations

Target Audience: This session is directed to researchers, policymakers, program managers, community representatives, trainees, and students who are interested in HIV care and services among refugees, displaced persons, and marginalized populations.

Level of Knowledge: It is assumed that participants are familiar with basic information regarding the current crisis faced by refugees, displaced persons, and marginalized populations around the world.

Conveners
Wafaa El-Sadr, Columbia University, New York, NY, USA
Carlos del Rio, Emory University, Atlanta, GA, USA
Interactive Symposia

52 | CROI 2024

Tuesday

38 | 4:00 PM | Overview of the Global Displacement Crisis
Mesfin T. Tessema, International Rescue Committee, New York, NY, USA

4:10 PM | Panelist Reflections on the Global Displacement Crisis

4:15 PM | Meeting the Needs of People Affected by HIV From Ukraine
Milosz Parczewski, Pomeranian Medical University, Szczecin, Poland

4:20 PM | Protracted Consequences of Displacement: A Perspective From Latin America
Omar M. Sued, Pan American Health Organization, Washington, DC, USA

4:25 PM | Lived Experience From Ukraine
Yana Panfilova, Teenergizer, Kyiv, Ukraine

4:30 PM | Roundtable Discussion
WEDNESDAY, MARCH 6, 2024

Plenary-03 | Wednesday Plenary Session
8:30 AM - 9:30 AM • Bellco Theatre

Session Hosts
Joseph J. Eron, Jr., University of North Carolina at Chapel Hill, Chapel Hill, NC, USA
Jonathan Mermin, Centers for Disease Control and Prevention, Atlanta, GA, USA

CROI Program Committee Chair Welcome to Wednesday
Diane V. Havlir, University of California San Francisco, San Francisco, CA, USA

39 | The End of Oral? How Long-Acting Formulations Are Changing the Management of Infectious Diseases
Charles W. Flexner, The Johns Hopkins University, Baltimore, MD, USA

40 | Diagnostics 4.0: The Future of Diagnostics for HIV and Related Infections
Nitika P. Pai, McGill University, Montreal, Canada

Oral Abstract Session-10 | HIV Reservoir and Cure Strategies
10:00 AM - 12:00 PM • Mile High Ballroom 1-2-3

Moderators
Joel N. Blankson, The Johns Hopkins University, Baltimore, MD, USA
Nancie M. Archin, University of North Carolina at Chapel Hill, Chapel Hill, NC, USA

Introductions (Part 1)

173 10:05 AM
Selection of Epigenetically-Privileged HIV-1 Proviruses During Treatment With Panobinostat and IFNα

174 10:13 AM
Role of Cytoskeleton and Adhesion in a Rare Subset of HIV-Infected Cells That Resist CTL
Louise Leyre, Farah Mustapha, Alberto Herrera, Paul Zumbo, Micheal Galiano, Jared Weiler, Doron Betel, Morgan Huse, R. Brad Jones
**Oral Abstract Sessions**

**10:21 AM**  
**Late-Breaking New Investigator Scholarship**  
**Sex-Specific Innate Immune Selection in Vertical HIV Transmission and cART-Free Aviraemia in Males**  
Nomonde Bengu, **Gabriela Z. L. Cromhout**, Emily Adland, Katya Govender, Nicholas Herbert, Nicola Cotugno, Paolo Palma, Maria C. Puertas, Thumbi Ndung’u, Edmund Capparelli, Mathias Lichterfeld, Javier Martinez-Picado, John Kappes, Moherndran Archary, Philip J. Goulder

**10:29 AM**  
**Sex-Based Differences in HIV-1 Reservoir Profile in Individuals With Long-Term ART Suppression**  
Toong Seng Tan, Alexander Hochroth, Leah Carrere, Sruthi Kalavacherla, Liliana Vela, Ce Gao, Rowena Johnston, Steven G. Deeks, Seble Kassaye, Phyllis Tien, Michael J. Peluso, Jeffrey Jacobson, Mary Carrington, Mathias Lichterfeld, Xu G. Yu

Questions and Answers (Part 1)

**11:00 AM**  
**Introductions (Part 2)**

**11:08 AM**  
**AAV-Expressed HIV IgG Biologics Enable Durable ART-Free Viral Control in Infant Macaques**  

**11:16 AM**  
**Broadly Neutralizing Antibody-Secreting T-Cells and CAR-Ts Potently Suppress in Vivo HIV Infection**  
Hang Su, Jenny Zheng, Scott Garforth, Kim Anthony-Gonda, Rimas J. Orentas, Boro Dropulic, Steven Almo, Harris Goldstein

**11:24 AM**  
**Autologous Neutralizing Antibodies Contribute to Virus Control in a Subset of PWH Treated With bNAb**  
Francesco E. Marino, Maxime Bellefroid, Ryan Krause, Marie Armani-Tourret, Suvadip Mallick, Emmanouil Papasavvas, Matthew Fair, Karam Mounzer, Pablo Tebas, Luis J. Montaner, Mathias Lichterfeld, Katharine J. Bar

**11:32 AM**  
**A T Cell-Targeting mRNA SIV Vaccine Extends Time to Rebound and Enhances Post-ART Viral Control**  

**11:40 AM**  
**IL-15/IL-15RA Cytokine Therapy Enhances Control of Viral Rebound in SIV-Infected Macaques**  

Questions and Answers (Part 2)
Oral Abstract Session-11 | HIV Across the Life Continuum: Pregnant People, Infants, Children, and Adolescents
10:00 AM - 12:00 PM • Four Seasons Ballroom 1

Moderators
Moherndran Archary, University of KwaZulu-Natal, Durban, South Africa
Grace John-Stewart, University of Washington, Seattle, WA, USA

Introductions (Part 1)

182 10:05 AM
High Rates of Viral Suppression in Pregnancy Drop Postpartum in South African Women on TLD

183 10:13 AM
Hypertension in a Randomized Trial of DTG vs EFV-Based ART in Pregnant and Postpartum Women

184 10:21 AM
ART-Free HIV-1 Remission in Very Early Treated Children: Results From IMPAACT P1115
Deborah Persaud, Anne Coletti, Bryan S. Nelson, Jennifer Jao, Edmund Capparelli, Diane Costello, Camlin Tierney, Adeodata R. Kekitiinwa, Teacer Nemadziria, Boniface N. Nja, Jack Moye, Patrick Jean-Philippe, Yvonne Bryson, Ellen G. Chadwick, for the IMPAACT P1115 Study Team

185 10:29 AM
GIVE MOVE: Randomized Trial on Genotype-Informed Management of Viremia in Children and Adolescents
Jennifer A. Brown, Isaac K. Ringera, Ezekiel Luoga, Buoang Mothobi, Brenda Simba, Kasasi Mayogu, Mosa Molapo Hlasoa, Buntshi P. Kayembe, Josephine Muhairwe, Thomas Klimkait, Tracy R. Glass, Maja Weisser, Niklaus D. Labhardt, for the GIVE MOVE Research Group

Questions and Answers (Part 1)

186 11:00 AM
ODYSSEY 192-Week Follow-Up Evidences Superior Efficacy of DTG for Children on First/Second-Line ART
Hilda A. Mujuru, Ellen M. White, Adeodata R. Kekitiinwa, Abbas Lugemwa, Cissy Kityo, Philippa Musoke, Tim R. Cressey, Ebrahim Variava, Avy Violari, Moherndran Archary, Mark F. Cotton, Thanyawee Puthanakit, Pablo Rojo, Anna Turkova, for the ODYSSEY Trial Team

187 11:08 AM
Emerging Dolutegravir Resistance Among Children Being Investigated for Treatment Failure in Malawi
George Bello, Sherri Pals, Barbara Bighignoli, Alinine Kabaghe, Jonathan Mkungudza, Loise Panje, Elliot Raizes, Elizabeth Kampira, Dumtani Kayira, Bilaal W. Matola, Stephanie Hackett, Daping Zheng, Bianca Alvarez, Nellie Wadonda-Kabondo, for the HIV Drug Resistance Surveillance Team
Oral Abstract Sessions

188 11:16 AM Long-Acting Cabotegravir Plus Rilpivirine In Adolescents With HIV: Week 24 IMPAACT 2017 (MOCHA) Study
Aditya Gaur, Edmund Capparelli, Kristin Baltrusaitis, Mark Marzinke, Conn M. Harrington, Cindy McCoig, Herta Crauwels, Ellen Townley, Jack Moje, Sarah Buisson, Avy Violari, Pradthana Ounchanum, Chelsea Krotje, Carolyn Bolton, for the IMPAACT 2017 Team

189 11:24 AM SEARCH: Youth Intervention Impact on Symptoms of Depression in East African Youth Living With HIV
Florence Mwangwa, James Peng, Laura B. Balzer, James Ayieko, Janice Litunya, Jason Johnson-Peretz, Douglas Black, Janet Nakigudde, Elizabeth Bukusi, Moses R. Kamya, Theodore Ruel, Diane Havlir, Carol S. Camlin

190 11:32 AM Role of Community-Level Factors in Declines in HIV Incidence and Prevalence Among Rakai Adolescents
Stephanie A. Grilo, Julia Thompson, Ivy S. Chen, Fred Nalugoda, Tom Lutalo, Ying Wei, Esther Spindler, Susie Hoffman, Philip Kreniske, David Serwadda, Mary Kate Grabowski, Maria J. Wawer, Fred M. Sewamala, Larry W. Chang, John S. Santelli

Questions and Answers (Part 2)

Oral Abstract Session-12 | Using Data to Inform Interventions: Epidemiology of HIV, STIs, Mpox, and COVID-19
10:00 AM - 12:00 PM • Mile High Ballroom 4

Moderators
Euphemia Sibanda, Centre for Sexual Health & HIV/AIDS Research, Harare, Zimbabwe
Aaron J. Siegler, Emory University, Atlanta, GA, USA

Introductions (Part 1)

191 10:05 AM Investigation of HIV Transmission Associated With Vampire Facials: New Mexico, 2018-2023
Anna M. Behar, Mika N Gehre, Liana Atallah, Tegan Clarke, Ana-Alicia Leonso, Francella Jojola, HaoQiang Zheng, Hongwei Jia, Sheryl Lyss, William M. Switzer, Scott P. Grytdal, Miranda Durham, N. Mariam Salas, Marla Sievers, Chad Smelser

192 10:13 AM Trends in Black-White Disparities in HIV Diagnosis: 2017-2021, United States
André Dailey, Zanetta Gant Sumner, Anna Satcher Johnson, Juliet A. Morales, Sue Reynolds

Sonia Singh, Xiaohong Hu, Kristen L. Hess, Kashif Iqbal

194 10:29 AM Quantifying HIV-1 Transmission Between People Who Inject Drugs and Other Populations in Kenya
Hanley Kingston, Bhavna Chohan, George Nduva, Loice Mbogo, Aliza Monroe-Wise, Betsy Sambai, Brandon Guthrie, Sarah Masyuko, David Bukusi, John Scott, Carey Farquhar, Josh Heberbe
Questions and Answers (Part 1)

Introductions (Part 2)

195  11:00 AM  LB

**Demographics Are Crucial to Interpret 95-95-95 Targets in African Populations With High ART Coverage**

*Andrea Brizzi*, Joseph Kagayai, Robert Ssekubugtu, Alexandra Blenkinsop, Mélodie Monod, Gertrude Nakigozi, Larry W. Chang, Thomas C. Quinn, Fred Nalugoda, Godfrey Kigozi, Ronald M. Galiwango, Oliver Laeyendecker, Mary Kate Grabowski, Steven J. Reynolds, Oliver Ratmann

196  11:08 AM  LB

**High Prevalence of Advanced HIV Disease in Sub-Saharan Africa: An Analysis of 11 Household Surveys**

*Dominik Stelzle*, Ajay Rangaraj, Joseph N. Jarvis, Nirina H. Razakasoa, Daniel Low-Beer, Meg Doherty, Nathan Ford, Shona Dalal

197  11:16 AM  LB

**Low-Level Viremia Trends Among Persons With HIV: A 5-Country Analysis From 10 PHIA Surveys**


198  11:24 AM  LB

**A New 2023-2024 Mpox Outbreak in Brazil: Lessons From a Reemerging Neglected Disease**


199  11:32 AM  LB

**Vaccine Effectiveness Against COVID-19 In-Hospital Mortality by HIV Status Across SARS-CoV-2 Variants**

*Seth Inzaule*, Ronaldo Silva, Nathan Ford, Soe Soe Thwin, Jassat Waasila, Meg Doherty, Janet Diaz, Silvia Bertagnolio

Oral Abstract Session-13 | Strengthening Testing, Treatment, and Prevention of HIV and STIs
10:00 AM - 12:00 PM • Four Seasons Ballroom 2-3

**Questions and Answers (Part 2)**

**Moderators**

*Harriet Nuwagaba-Biribonwoha*, ICAP at Columbia University, New York, NY, USA

*Adetokunbo B. O. Oyeledun*, Centre for Integrated Health Programs, Abuja, Nigeria

**Introductions (Part 1)**

200  10:05 AM  LB

**Together TakeMeHome: Launch of a National HIV Self-Test Distribution Program, March-December 2023**

*Kevin P. Delaney*, Travis H. Sanchez, Robin Macgowan, Ruth Dana, Lucinda Ackah-Toffey, Jen Hecht, Emily Lilo, Avery Smithson, Revae S. Downey, Jessica Keralis, Emily Pingel, Natalie O. Cramer, Patrick S. Sullivan, Athena Kourtis, for the Together TakeMeHome Program Team
201 10:13 AM  LB  NIS  Incidence of Health Facility Switching and HIV Viral Rebound in Uganda: A Population-Based Study  
Joseph G. Rosen, Anthony Ndyanabo, Ronald M. Galiwango, Robert Ssekkubugu, Katherine Rucinski, Gertrude Nakigozi, Fred Naluqoda, Godfrey Kigozi, Thomas C. Quinn, Larry W. Chang, Caitlin E. Kennedy, Steven J. Reynolds, Joseph Kagaayi, Mary Kate Grabowski, for the Rakai Health Sciences Program

203 10:21 AM  Improving Posthospital Outcomes in People With HIV: A Multicenter Randomized Trial in Tanzania  

202 10:29 AM  Lakeside Combined HIV and Schistosomiasis Services in Malawian Fishermen: A Cluster Randomized Trial  

Questions and Answers (Part 1)  
Introductions (Part 2)

204 11:00 AM  What Are the Outcomes for Established Clients Enrolled in DSD During the First 3 Years on ART?  
Amy N. Huber, Lise Jamieson, Musa Manganye, Lufuno Malala, Thato Chidarikire, Matthew P. Fox, Sydney Rosen, Sophie Pascoe

205 11:08 AM  Opt-Out HIV Testing in Emergency Departments Successfully Addresses Key Gaps in Testing  
Lisa Hamzah, Kathryn Childs, Ian S. Cormack, Olubanke Davies, Roddy Font, Lewis Haddow, Elizabeth Hamlyn, Kathryn Harrop, Rachel Hill-Tout, Steven Kegg, Iesha Lovatt, Larissa Mulka, Melanie Rosenvinge, Lucy Wood, for the South London HIV ED Opt Out Testing Group

206 11:16 AM  Few Discordant HIV Ag/Ab and RNA Test Results Among Persons in a National Cohort of PrEP Users  
Weiming Zhu, Ya-Lin A. Huang, Kevin P. Delaney, Rupa Patel, Athena Kourtis, Karen W. Hoover

207 11:24 AM  Missed Opportunities to Prevent Congenital Syphilis in Antenatal PrEP Services in South Africa  
Dvora L. Joseph Davey, Aurelie Nelson, Kalisha Bheemraj, Alex de Voux, Rufaro Mvududu, Lisa Frigati, Landon Myer

Questions and Answers (Part 2)
Oral Abstract Session-14 | Special Session: Clinical Late-Breaking Oral Abstracts
12:15 PM - 1:30 PM • Mile High Ballroom 1-2-3

Moderators

Constance A. Benson, University of California
San Diego, La Jolla, CA, USA

Peter Reiss, Amsterdam Institute for Global Health and Development, Amsterdam, Netherlands

Introductions

208 12:20 PM  
Efficacy and Safety of Weekly Islatravir Plus Lenacapavir in PWH at 24 Weeks: A Phase II Study  

209 12:28 PM  
HepB-CpG Vaccine Is Superior to HepB-alum in People With HIV and Prior Vaccine Nonresponse: A5379  
Kristen Marks, Minhee Kang, Triin Umbleja, Andrea Cox, Karen J. Vigil, Ngan T. Ta, Ayotunde Omoz-Oarhe, Jennifer Price, Josphat Kosgei, Leolin Katsidzira, Hugo Perazzo, Kevin Knowles, Beverly L. Alston-Smith, Kenneth E. Sherman, for the ACTG 5379 (BEe-HIVe) Study Team

210 12:36 PM  
Efficacy, Safety, and Immunogenicity of H56:IC31 Vaccine for Prevention of Recurrent TB  
Alvaro Borges, Marisa Russel, Dereck Tait, Elana van Brakel, Andrea Cabibbe, Daniela Cirillo, Elisa Nemes, Thomas Scriba, Gavin Churchyard, Rodney Dawson, Isa Sabi, Andreas H. Diacon, Rasmus Mortensen, Mark Hatherill, for the POR TB Consortium

211 12:44 PM  
Efficacy, Safety, and PK of BIC/FTC/TAF in Adults With HIV and Tuberculosis on Rifampicin at Week 24  
Anushka Naidoo, Kogieleum Naidoo, Marothi P. Letsoalo, Hylke Waalewijn, Gillian Dorse, Rubeshan Perumal, Mahomed-Yunus S. Moosa, Emmanuella C. Osuala, Resha Boodhram, Dennis Israelski, Paolo Denti, James F. Rooney, Kelly Dooley, for the INSIGHT Trial Team

212 12:52 PM  
Long-Acting Injectable CAB/RPV Is Superior to Oral ART in PWH With Adherence Challenges: ACTG A5359  
Aadia I. Rana, Yajing Bao, Lu Zheng, Sara Sieczkarski, Jordan E. Lake, Carl J. Fichtenbaum, Tia Morton, Lawrence Fox, Paul Wannamaker, Jose R. Castillo-Mancilla, Kati Vandermeulen, Chanelle Wimbish, Karen T. Tashima, Raphael J. Landovitz, for the ACTG A5359 Team

Questions and Answers
Themed Discussion-09 | Mucosal Immunity to HIV
1:30 PM - 2:30 PM - Four Seasons Ballroom 1

Themed Discussion Leader
Barbara L. Shacklett, University of California Davis, Davis, CA, USA

Session Overview

431 1:35 PM
A Novel Non-Invasive Approach to Sample Female Genital Tract Immune Cell Populations
M. Quinn Peters, Eva Domenjo-Vila, Melanie Gasper, Smritee Dabee, Blair Armistead, Christopher Whidbey, Heather Jaspan, Martin Prlic, Whitney E. Harrington

432 1:40 PM
Identification of Innate Lymphoid Cell Subsets in the Human Female Genital Tract That Respond to HIV
Alexandra E. Werner, Laura Moreno de Lara, Francisco J. Carrillo-Salinas, Anna Borchers, Siddharth Parthasarathy, Marta Rodriguez-Garcia

433 1:45 PM
The Cervicovaginal Neutrophil Protein CRISP3 Is a Correlate of HIV Protection
Christina Farr, Laura Noël-Romas, Michelle Perner, Marina Costa-Fujishima, Sausan Azzam, Marlon De Leon, Stefanie Avril, Vanessa Poliquin, Alicia R. Berard, Lyle McKinnon, Thomas Murooka, Sharon L. Hillier, Zvavahera Chirenje, Jeanne Marrazzo, Adam Burgener

434 1:50 PM
CD101 Variants Are Associated With Lower Levels of Genital HIV-Inhibiting and Tissue Repair Factors
Sarah C. Vick, Corinne M. Mar, Bhavna Chohan, Katherine K. Thomas, James W. MacDonald, Theo K. Bammler, Kenneth Nguere, Nelly R. Mugo, Jennifer M. Lund, Jairam Lingappa

435 1:55 PM
Synergistic Effects of HIV, HPV, and Polyomaviruses on Interferon Response in Male Anal Mucosa
Matteo Fracella, Sara Passerini, Letizia Santinelli, Leonardo Sorrentino, Luca Maddaloni, Ginevra Bugani, Eugenio Nelson Cavallari, Alessandra Pierangeli, Guido Antonelli, Claudio Maria Mastroianni, Gabriella D’Ettorre, Valeria Pietropaolo, Carolina Scagnolari

Discussion with Audience Questions and Answers

Themed Discussion-10 | Strategies for an HIV Cure
1:30 PM - 2:30 PM - Four Seasons Ballroom 2-3

Themed Discussion Leader
Susana Valente, The Scripps Research Institute, La Jolla, CA, USA

Session Overview
Potent HIV Latency Reversal by Lipid Nanoparticles Encapsulating HIV Tat mRNA
Bridget M. Fisher, Paula M. Cevala, Stanislav Kan, Abdalla Ali, Abigail Tan, Rory Shepherd, Youry Kim, Marvin Holz, Damian Purcell, Frank Caruso, Sharon R. Lewin, Michael Roche

CD4-Targeted mRNA Delivery of Tat Reverses HIV-1 Latency

Nanoparticle Delivery of Tat Synergizes With Latency Reversal Agents to Express HIV Antigen
Shane D. Falcinelli, Samuel L. Raines, Jackson Peterson, Ellen Van Gulick, Jennifer Kirchherr, Isabel Najera, Jerel Vega, Daniel Boden, Nancie M. Archin, David M. Margolis

Ruxolitinib-Mediated HIV-1 Reservoir Decay in A5336 Phase IIa Trial
Monica D. Reece, Vincent Marconi, Zhan Zhang, Susan P. Ribeiro, Rafick P. Sekaly, Deanna A. Kulpa, Christina Gavegnano

Short-Term BCL-2 Inhibition at ART Initiation Transiently Reduces SIV Reservoir in Rhesus Macaques
Tomas Raul Wiche Salinas, Justin L. Harper, Kevin Nguyen, James Auger, Laurence Raymond Marchand, Mackenzie Cottrell, Jason Brenchley, Jeffrey Lison, Brandon Keele, Andrew Badley, Guido Silvestri, Deanna A. Kulpa, Mirko Paiardini

Themed Discussion Leader
Gert U. van Zyl, Stellenbosch University, Cape Town, South Africa

Viremia and Drug Resistance 2 Years After Routine Switching to Dolutegravir-Based First-Line ART

DTG Resistance in Patients with Previous ARV Experience and Viremia in Kenya Receiving DTG-Based ART
Leonard Kingwara, Vera M. Onwonga, Rukia S. Madada, Peter Lokamar, John N. Kiuru, James Wagude, Barbara Mambo, Caroline Mwangi, Rose Wafula, Kerri Penrose, Urvi M. Parikh, Bhavna Chohan

Discussion with Audience Questions and Answers
Emerging Dolutegravir Resistance in Lesotho
Nadine Tschumi, Blaise Lukau, Lipontšo Motaboli, Kattleho Tlali, Mpho Kao, Mathebe Kopo, Moleboheng Mokobe, Klaudia Naegle, Irene Ayakaka, Karoline Leuzinger, Jennifer A. Brown, Niklaus D. Labhardt

Resistance to Second-Generation INSTIs in Mexican PLWH: Emergence of the R263K Mutant
Jannette A. Juárez-González, Emiliano Ivan Sanchez Cruz, Luis A. Angulo-Medina, Roberto A. Rodríguez-Díaz, Elsa Y. Vidal-Laurencio, Sofía Sierra Vásquez, Luis Enrique Soto Ramírez

Virologic Outcomes With Tenofovir-Lamivudine-Dolutegravir for PI-Based Second-Line ART Failure
Ying Zhao, Jacqueline Voget, Isaac Singini, Zaayid Omar, Vanessa Mudaly, Andrew Boule, Gary Maartens, Graeme A. Meintjes

Discussion with Audience Questions and Answers

Themed Discussion-12 | Novel Interventions in HIV Programming
1:30 PM - 2:30 PM • Mile High Ballroom 4

Themed Discussion Leader
Angeli Achrekar, Joint United Nations Programme on HIV/AIDS, Geneva, Switzerland

Session Overview

Automated Condom Distribution for HIV Prevention: Mwanza, Tanzania, 2021-2023
Aafke Kinemo, Julie Franks, Emmanuel Mihayo, Macdonald Mahiti, Joyce Thomas, Oresto Munishi, Omari Msumi, John Kahemele, Kukuhumbya Kazaura, Nyagonde Nyagonde, Mbaraka Amuri, Haruka Maruyama

Cost-Effectiveness of an Agricultural Intervention Among Adults With HIV and Their Children in Kenya
Assurah W. Elly, Elly Weke, Pauline Wekesa, Rachel Burger, Lila Sheira, Mocello Adrienne, Edward Frongillo, Lisa Butler, Sheri Weiser, Craig Cohen, Jim Kahn, Elizabeth Bukusi, Starley Shade

Persistence on Contraception and PrEP in Hair Salons in South Africa
Ingrid V. Bassett, Joyce Yan, Sabina Govere, Sithabile Shezi, Lungile M. Ngcobo, Shrutika Sagar, Jana Jarolimova, Dani Zions, Christina Psaros, Nduduzo Dube, Robert A. Parker

Availability of Onsite Substance Use Disorder Services in HIV Facilities by Urbanicity in the US
Kashif Iqbal, Preetam A. Cholli, Yunfeng Tie, Stacy Crim, Jesse G. O’Shea, John Weiser, Sharoda Dasgupta

Discussion with Audience Questions and Answers

Wednesday
**Interactive Symposium-08 | Innovations in Intervention: Toward an HIV Cure**  
4:00 PM - 5:30 PM • Four Seasons Ballroom 1  

**Objectives:** At the completion of the session, participants will be able to:  
- Describe how nonnucleoside reverse transcriptase inhibitor (NNRTI)-induced protease activity can activate inflammasome and eliminate HIV-infected cells  
- Summarize how single-cell transcriptomic analysis from clinical samples identifies potential therapeutic targets  
- Explain how structural understanding of HIV envelope protein conformation can lead to therapeutic strategies  

**Target Audience:** This session is directed to clinicians, researchers, and trainees interested in novel strategies for HIV cure.  

**Level of Knowledge:** It is assumed that the participants are familiar with the basic understanding of how HIV persists during antiretroviral therapy.  

**Conveners**  
Alberto Bosque, George Washington University, Washington, DC, USA  
Maria Buzón, Vall d’Hebron Research Institute, Barcelona, Spain  

### Session Details  
**41 | 4:00 PM | From Mechanisms to Therapeutics: Eliminating HIV-Infected Cells by the CARD8 Inflammasome**  
Liang Shan, Washington University in St Louis, St Louis, MO, USA  

**42 | 4:15 PM | From Mechanisms to Therapeutics: TACK Molecules Kill HIV-Infected Cells Through Inflammasome Activation**  
Tracy L. Diamond, Merck & Co., Inc., Rahway, NJ, USA  

**43 | 4:30 PM | From Transcriptomics to Therapeutics: A Host Restriction Factor That Targets HIV Expression**  
Rasmi Thomas, Walter Reed Army Institute of Research, Silver Spring, MD, USA  

**44 | 4:45 PM | From Structure to Therapeutics: Small CD4 Mimetics ‘Open-Up’ Env and Sensitize HIV-1-Infected Cells**  
Andrés Finzi, Université de Montréal, Montreal, Canada  

5:00 PM | Audience Questions and Answers
**Interactive Symposium-09 | Follow Your Heart: Managing Cardiovascular Disease Risk in HIV**
4:00 PM - 5:30 PM • Mile High Ballroom 4

**Objectives:** At the completion of the session, participants will be able to:

- Summarize the findings from the REPRIEVE (Randomized Trial to Prevent Vascular Events in HIV) Trial and the implications for clinical practice
- Identify the potential mechanisms underlying excess cardiovascular risk in people with HIV
- Discuss challenges to the implementation of cardiovascular risk reduction in different clinical settings globally

**Target Audience:** This session is directed to clinicians and researchers involved in cardiovascular disease prevention and treatment for people with HIV.

**Level of Knowledge:** It is assumed that the participants are familiar with research on cardiovascular and metabolic complications of HIV infection.

**Conveners**
Matthew J. Feinstein, Northwestern University, Chicago, IL, USA
Franck Boccara, Sorbonne Universite, Paris, France

**4:00 PM | Overview of the REPRIEVE Trial**
Steven K. Grinspoon, Massachusetts General Hospital, Boston, MA, USA

**45 | 4:05 PM | Sex Differences in Atherosclerotic CVD Risks and Mechanisms: Insights From REPRIEVE**
Markella V. Zanni, Massachusetts General Hospital, Boston, MA, USA

**46 | 4:25 PM | Immunomodulation and Cardiovascular Disease: Lessons Learned From HIV**
Priscilla Y. Hsue, University of California San Francisco, San Francisco, CA, USA

**47 | 4:45 PM | Implications for Implementing CVD Risk Prevention Strategies for Low- and Middle-Income Countries**
Mpiko Ntsekhe, University of Cape Town, Cape Town, South Africa

5:05 PM | Panel Discussion
Interactive Symposium-10 | Promise and Pitfalls of Biomedical Prevention: Beyond Phase III
4:00 PM - 5:30 PM • Four Seasons Ballroom 2-3

Objectives: At the completion of the session, participants will be able to:

• List the challenges and opportunities in clinical implementation of long-acting injectable cabotegravir
• Describe reasons randomized phase III efficacy studies may not fully reflect the potential for benefit of an HIV prevention product
• Identify and debunk common misconceptions about on-demand, event-driven, or 2-1-1 preexposure prophylaxis (PrEP)

Target Audience: This session is directed to clinicians, researchers, and others who are interested in biomedical HIV prevention.

Level of Knowledge: It is assumed that the participants are familiar with the phase III efficacy and safety trials of current HIV biomedical prevention products.

Conveners
Linda-Gail Bekker, Desmond Tutu HIV Foundation, Cape Town, South Africa
Bruno Spire, Institut National de la Santé et de la Recherche Médicale, Marseille, France

48 | 4:00 PM | Why Is Cabotegravir Rollout So Slow?
Rupa R. Patel, Centers for Disease Control and Prevention, Atlanta, GA, USA

49 | 4:20 PM | The Ring Comes Full Circle: Navigating the Complex Landscape of Biomedical Prevention Post-Phase III
Leila E. Mansoor, Centre for the AIDS Programme of Research in South Africa, Durban, South Africa

50 | 4:40 PM | Challenging the Dogma of Event-Driven PrEP
Jenell Stewart, Hennepin Healthcare Research Institute, Minneapolis, MN, USA

5:00 PM | Audience Questions and Answers
A Quiescent NK Cell Phenotype With Gut Homing Potential in HIV-1 Exposed Seronegative Individuals
Kawthar Machmach Leggat, Kombo F. N’guessan, Isabella Swafford, Leigh-Anne Eller, Shelly J. Krebs, Merlin L. Robb, Julie Ake, Sandhya Vasan, Dominic Paquin-Proulx

Mucosal-Homing Invariant NKT Cells Are Elevated in HIV-Exposed Seroconverters Prior to Infection
Kombo F. N’guessan, Kawthar Machmach Leggat, Isabella Swafford, Leigh-Anne Eller, Shelly J. Krebs, Julie Ake, Sandhya Vasan, Merlin L. Robb, Dominic Paquin-Proulx, for the RV217 Study Group

Mobility of Transmitted/Founder HIV-1 Variants in Human Cervicovaginal Mucus
Matrona M. Akiso, Marianne Mureithi, Sarah Joseph, Ann M. Carias, Omu Anzala, Thomas Hope

IL7RA rs10491434 Polymorphism Is Related to Spontaneous HIV Infection Control: A Retrospective Study
Daniel Sepúlveda-Crespo, María A. Jiménez-Sousa, Amanda Fernández-Rodriguez, María A. Muñoz-Fernández, José L. Jiménez, Jorge del Romero, Sergio Reus Banuls, Helem Vilchez, Beatriz Mothe, Isidoro Martínez, José M. Benito, Norma Rallón, Salvador Resino

Genetic Variants Associated to HIV Control Are Associated With NK Cell Markers and Response to CMV
Suzanne Ruijten, Jessica dos Santos, Albert L. Groenendijk, Marc Blaauw, Louise E. van Eekeren, Wilhelm A. Vos, Nadira Vadaq, Victoria Rios-Vazquez, Leo Joosten, Casper Rokx, Annelies Verbon, Mihai Netea, Vasiliki Matzaraki, Andre J. van der Ven, for 2000HIV

Plasma Proteome Signature of Immune Inhibition Is Associated With CMV Coinfection in People With HIV
Michael L. Freeman, Gordon Honerkamp Smith, Patricia K. Rigs, Scott L. Letendre, Peter W. Hunt, Sara Gianella Weibel

B-Cells Augment HIV-1 Expression in Secondary Lymphoid Tissue
Matthew Ollerton, Joy Folkvord, Cecilia Shikuma, Fredrick Yost, David Parry, Magali Porrachia, Davey Smith, Sara Gianella, Elizabeth Connick
Herpesviruses Reactivation and Associated Systemic Inflammation During Initiating ART, Rakai-Uganda

Victor Ssempijja, Viviane Callier, Martha Nason, Aggrey Anok, Andrea Lisco, Andrew Redd, Thomas C. Quinn, Adam Rupert, Stephen Tomusange, Taddeo Kityamuweesi, Paul Bbuule, Irini Sereti, Steven J. Reynolds

323

HIV-1 Coinfection Skews iNKT Cells Toward Anergy and Exhaustion in People With Hepatitis C

Danielle R. Nettere, Grant Williams, Joy Pickeral, Scott White, Cliburn Chan, Guido Ferrari, Susanna Naggie

324

Low SKAP1 Levels Indicate a Potential New Mechanism in HIV Immunological Non-Responders

Wilhelm A. J. W. Vos, Jiang Xun, Jessica D. Santos, Albert L. Groenendijk, Marc Blaauw, Louise E. van Eekeren, Nadira Vadaq, Vasiliki Matzaraki, Mike van der Kolk, Willem B. Blok, Janneke E. Stalenhoef, Jan van Lunzen, Yang Li, Cheng-Jian Xu, Andre J. van der Ven

325

Disruption of Intestinal Germinal Centers During HIV Infection

Francesca Cossarini, Azra Krek, Pablo Canales-Herrerias, Michael Tankelevich, Benjamin K. Chen, Judith A. Aberg, Francesca Petralia, Alexandros D. Polydorides, Saurabh Mehandru

326

Persons With Residual Viremia on ART Have Higher Frequencies of Myeloid-Derived Suppressor Cells

Patrick Mehta, Evgenia Aga, Ronald J. Bosch, Hanna Mar, Deborah K. McMahon, Rajesh T. Gandhi, Joseph J. Eron, John W. Mellors, Charles R. Rinaldo, Bernard Macatangay, for the ACTG A5321 Team

327

Persistent HIV-1 Plasma Viremia in Patients on Therapy Caused by Macrophage-Tropic Lineage


328

Variable HIV-1 C Env Characteristics Associated With Predicted bNAb Resistance in Botswana

Natasha O. Moraka, Wonderful T. Choga, Marea Pema, Irene Gobe, Margaret Mokomane, Onlametse T. Bareng, Lynnette Bhebhe, Molly Pretorius Holme, Terence Mohammed, Catherine K. Kooftghelte, Joseph M. Makhema, Roger Shapiro, Shahin Lockman, Sikhulile Moyo, Simani Gaseitiswe

367

HIV Rapid Intra-Host Evolution Allows Evasion From VRC01 Infusion via Positive Selection

Frida Belinky, Sung Hee Ko, Pierce Radecki, Vanessa Guerra, Emily Coates, Pamela Costner, Julie Ledgerwood, John R. Mascola, Eli Boritz
A Rare Molecular Signature in HIV-1 Env V1 Associates With bNAb Evolution
Maria C. Hesselman, Marius Zeeb, Peter Rusert, Jennifer Mamrosh, Samuel Kariuki, Hugh Murrell, Nonhlanhla N. Mkhize, Kshitij Wag, Penny Moore, Carolyn Williamson, Huldrych F. Günthard, Roger Kouyos, Alexandra Trkola

Potent Cross-Reactive HIV-1 Neutralization in Fusion Peptide-Primed SHIV-Infected Macaques

Maturation Pathway of Rhesus V3-Glycan Broadly Neutralizing Antibody Lineage
Mitchell Martin, Tyler Evangelous, Madison Berry, Bhavna Hora, Chuangcang Jiang, Katayoun Mansouri, Robert J. Edwards, Hui Li, George M. Shaw, Priyamvada Acharya, Kevin O. Saunders, Kevin Wiehe, Barton F. Haynes, Wilton Williams

An Efficient Envelope Genotypic Assay to Identify bNAb Susceptibility in Infants with HIV
Kayla E. Delaney, Mary F. Kearney, Phillip A. Bester, Nicola Coetzee, Susan Engelbrecht, Carlo Giaquinto, Paolo Rossi, Shaun L. Barnabas, Moira Spyer, Mathias Lichterfeld, Alfredo Tagarro, Carl Lombard, Mark F. Cotton, Gert U. van Zyl, for the EPIICAL Consortium

MHRP.01, an MPER Targeting bNAb, Enables Further Definition of the 4E10-Class of bNAbs
Juhi Arora, Paul Thomas, Gina Donofrio, Rajeshwer S. Sankhala, Nicole Doria-Rose, Chaim A. Schramm, Vincent Dussupt, Lauren Smith, Letzibeth Mendez-Rivera, Lindsay Wieczorek, Sandhya Vasan, Julie Ake, Merlin L. Robb, M. Gordon Joyce, Shelly J. Krebs

Mycobacterium tuberculosis Infection Dampens the HIV-1 Antibody Response
Marius Zeeb, Chloé Pasin, Irene A. Abela, Katharina Kusejko, Sonja Hartnack, Julia Notter, Hansjakob Furrer, Matthias Hoffmann, Hans Hirsch, Alexandra Calmy, Enos Bernasconi, Huldrych F. Günthard, Roger Kouyos, Alexandra Trkola, Johannes Nemeth

Temsavir Treatment Enhances bNAb Recognition and Subsequent Clearance of HIV-1–Infected Cells
Robert Ferris, Cristin Galardi, James Schawalder, Richard Dunham, Heather Madsen, Hangfei Qi

AAV-1, -8, and -9 Seroprevalence in Healthy Donors and People Living With HIV in Sub-Saharan Africa
376 Machine Learning-Guided Generation of a Combination of Broadly Neutralizing Sarbecovirus Antibodies
Grace Marden, Kimberly Schmitt, Hongru Li, Alex Ramos, Eric Carlin, Nadine Shaban, Geetika Sharma, Monica Menzenski, Anne Jecrois, Gevorg Grigoryan, Adam Root, Heather Van Epps, Kristen Hopson, Daria Hazuda, Francesco Borriello

377 Safety and Immunogenicity of Month 30 Boost of ALVAC-gp120/MF59 Preventive HIV Vaccines
Vimla Naicker, Fatima Laher, Kelly Seaton, Stephen C. De Rosa, Lynn Morris, Nonhlanhla N. Mkhuze, Linda–Gail Bekker, Mookho Malahleha, Kathy T. Mngadi, Jack R. Heptinstall, David C. Montefiori, Juliana McElrath, Georgia D. Tomaras, Zoe Moodie, for the HVTN 100 Study Team

378 Adenosine Deaminase-1 Enhances HIV-Specific Responses to a HIV Trimeric Envelope DNA Vaccine

379 Sex-Based Differences in Antibody Responses Induced by a Native-Like HIV-1 Envelope Trimer Vaccine
Emma Reiss, Karlijn van der Straten, Marinus Liesdek, Annelou L. van der Vein, Marloes Grobben, Hongmei Gao, Kelli Greene, David C. Montefiori, Maarten Soeters, Michelle J. Klouwens, Jan M. Prins, Marit van Gils, Rogier W. Sanders, Godelieve J. de Bree

380 IgG and Fc Receptor Genetic Variation Associates With Functional Antibody Responses in HVTN 108
Song Young Oh, Haleigh Conley, Nigel Garrett, One Dintwe, Guido Ferrari, Georgia D. Tomaras, Dan Geraghty, Cliburn Chan, Justin Pollara, for the HVTN 108 Study Team

381 Developing Novel HIV-1 Env Proteins That Efficiently Engage the Unmutated Forms of VRC01-Class Abs
Parul Agrawal, Junli Feng, Arineh Khechaduri, Kelsey R. Salladay, Latha S. Kallur, Madison M. Means, Matthew D. Gray, Leonidas Stamatatos

382 Enhancing HIV Vaccine Efficacy via Langerhans Cell-Targeted Env Trimers
Adele Hammoudi, Mathieu Surenaud, Florence Picard, Jade Legros, Emma Sicherre, Borys Pedenko, Christiane Moog, Winfried Weissenhorn, Mireille Centlivre, Véronique Godot, Yves Levy, Sylvain Cardinaud

383 Mucosal HIV Vaccine Targeting Host Epithelial Stem Cells for Long-Term Immunity
Robert White, Vida Hodara, Patrice Frost, Pamela A. Kozlowski, Francois J. Villinger, Marie-Claire Gauduin
Naive B-Cells From Unvaccinated Rhesus Macaques Cross-React With HIV gp140 Protein
Michelle Premazzi Papa, Andrew Wilson, Rosemarie Mason, Jennifer A. Manuzak, Nichole R. Klatt, Rebecca M. Lynch

Complement Activation as a Mechanism of Protection by SARS-CoV-2 mRNA Vaccines in Men With HIV-1
Dylan J. Tuttle, Nicolas Sluis-Cremer, Robbie B. Mailliard, Charles R. Rinaldo, Ernesto T. Marques

WITHDRAWN

Sarbecovirus Ferritin Nanoparticle Vaccines as Protein or mRNA-LNP Elicit Broad Immunogenicity
M. Gordon Joyce, Sandra V. Mayer, Philip Davidson, Paul Thomas, Daniel C. Douek, Monica Wu, Nicholas Clark, Amita Vaidya, William Warren, Natalie Anosova, Valerie Lecouturier, Sandhya Vasan, Nelson L. Michael, Natalie Collins, for Sarbecovirus Ferritin Nanoparticle Study Group

Immune Responses to an Original/BA.4-5 Bivalent Booster of SARS-CoV-2 mRNA Vaccine in PWH on ART
Matteo Augello, Valeria Bono, Roberta Rovito, Alessandro Tavelli, Camilla Tincati, Alessandra Vergori, Anna Maria Azzini, Elda Righi, Andrea Antinori, Evelina Tacconelli, Antonella d’Arminio Monforte, Giulia Marchetti, for the VaxICONA-ORCHESTRA Study Group

Immune Response to SARS-CoV-2 Omicron Breakthrough is a Recall of Vaccine-Induced Memory
Jernej Pusnik, Jasmin Zorn, Werner O. Monzon Posadas, Kathrin Peters, Emmanuel Ospyuch, Sabine Blaschke, Hendrik Streeck

Long-Term Immunodominant Profile of SARS-CoV-2 T-Cell Responses in Hybrid Immunity
Raúl Pérez-Caballero, Laia Bernad, Athina Kilpeläinen, Oscar Blanch-Lombarte, Luis Romero, Ruth Peña, Gabriel F. Rodríguez-Lozano, Josep Maria Manresa-Dominguez, Bonaventura Clotet, Alex Olvera, Christian Brander, Eva María Martínez Cáceres, Concepción Violán, Pere Torán-Monserrat, Julia G. Prado

Bivalent mRNA COVID Vaccines Elicit Predominantly Cross-Reactive CD4+ T-Cell Clonotypes
Joel Sop, Arbor G. Dykema, Caroline C. Traut, Christie R. Basseth, Annukka A. Antar, Kellie N. Smith, Joel N. Blankson
Spike-V987H Vaccination Protects Animal Models From SARS-CoV-2–Induced Severe Disease


Prior COVID-19 Alters Antibody Function in ART-Suppressed PWH Receiving SARS-CoV-2 Vaccination

Livio Azzoni, Ian Tietjen, Qin Liu, Shelani Singh, Mansi Purwar, Matthew Fair, Paridhima Sharma, Leila B. Giron, Jianyi Ding, Linden Lalley-Chareczko, Emily Hiserodt, Karam Mounzer, David B. Weiner, Mohamed Abdel-Mohsen, Luis J. Montaner

Distinct Absence of Post-Boost S-IgG Surge in Sub-Saharan African COVID-19 Vaccine Responses

Jennifer Serwanga, Violet Ankunda, Joseph S. Katende, Jackson Sembera, Gerald K. Oluka, Claire Baine, Pontiano Kaleebu

Disparities in Anti-SARS-CoV-2 Reactivity According to Vaccines in the Era of Omicron in Cameroon

Ezechiel Ngoufack Jagni Semengue, Joseph Fokam, Desire Takou, Collins Ambe Chenwi, Grace Beloumou, Alex Durand NKA, Aurelie Minelle Ngueko Kengni, Sandrine Djupsa, Alexis Ndjolo, Carlo Federico Perno, Vittorio Colizzi

Uptake of 3+ COVID-19 Vaccine Doses Among People Living With HIV in Ontario, Canada

Cassandra Freitas, Catharine Chambers, Curtis L. Cooper, Abigail E. Kroch, Sarah A. Buchan, Claire E. Kendall, Jeffrey C. Kwong, Lawrence Mbuagbaw, Nasheed Moquee, Ann N. Burchell, for the CHESS Study Team

COVID-19 Breakthrough Infections Among People With and Without HIV: A Statewide Cohort Analysis

Xueying Yang, Jiajia Zhang, Ziang Liu, Shujie Chen, Bankole Olatosi, Gregory A. Poland, Sharon Weissman, Xiaoming Li

Effectiveness and Safety of SARS-CoV-2 mRNA Vaccines in Children: A Population-Based Study in Madrid

Miguel Hernán, Alejandro Alvaro-Meca, María J. Calvo-Alcántara, María Luisa Navarro, José T. Ramos, José C. Estévez, Miguel Basanta, Sergio Ruiz, Ángel L. Mataix, Lourdes Cosano, Aura P. Silva, Pilar Salas, Jose R. Arribas, José M. Molero, Juan Berenguer


Nigel Garrett, Tarylee Reddy, Nonhlanhla Yende-Zuma, Azwidihiwhi Takalani, Kate Anteyi, Kubashni Woeber, Ishaan Seocharan, Jackline Odhiambo, Penny Moore, Wendy Burgers, Brett Leav, Linda-Gail Bekker, Glenda Gray, Ameena Goga, for the SHERPA Study Group
The Fraction of HIV Reservoir Variants Neutralized by Autologous IgG Correlates With Time to Rebound
Mauro A. Garcia, Junlin Zhuo, Joseph Varriale, Anna Farrell-Sherman, Jun Lai, Anthony Abyeta-Lopez, Natalie F. McMyn, Rebecca Hoh, Michael J. Peluso, Francesco R. Simonetti, Steven G. Deeks, Lillian Cohn, Robert F. Siliciano, Janet M. Siliciano

Plasma Correlates of Rebound After Discontinuation of ART in Persons Living With HIV-1 (PLWH)
Malika A. Boudries, Dan H. Barouch, Boris D. Juerg, Victoria E. Walker-Sperling

Common T-Cell Features Predicting Time to Rebound in Interventional and Non-Interventional Treatment
Tongcui Ma, Ashley F. George, Reuben Thomas, Min-Gyoung Shin, Mauricio Montano, Satish K. Pillai, Katherine S. Pollard, Rajesh T. Gandhi, Jonathan Z. Li, Davey M. Smith, Steven G. Deeks, Ole S. Søgaard, Martin Tolstrup, Warner C. Greene, Nadia R. Roan

Dynamics of the Intact HIV Reservoir During ART Following Analytical Treatment Interruption
Maegan R. Manning, Jana Blazkova, Jesse S. Justement, Victoria Shi, Brooke D. Kennedy, M. A. Rai, Catherine A. Seamon, Kathleen R. Gittens, Michael C. Sneller, Susan Moir, Tae-Wook Chun

Immune Responses and HIV Reservoir Evolution From Pre-ART to 5 Years Into Post-Treatment Control
Leah Carrere, Miriam Rosás-Umbert, Benjamin Bone, Giacomo S. Frattari, Isabelle Roseto, Xiaodong Lian, Martin Tolstrup, Ce Gao, Mariane H. Schleimann, Xu G. Yu, Jesper D. Gunst, Mathias Lichterfeld, Ole S. Søgaard

Intact HIV Reservoir Levels Are Stable After Short-Term ART Interruption
Prerana Shrestha, Autumn Kittilson, Meghan Melberg, Evgenia Aga, Ronald J. Bosch, Jintanan Ananworanich, Robert Coombs, John W. Mellors, Alan Landay, Bernard Macatangay, Steven G. Deeks, Rajesh T. Gandhi, Davey M. Smith, Jonathan Z. Li, for the AIDS Clinical Trials Group A5345 Study Team

Clonal Expansion and Driving Forces of HIV-1 Persistence in Anatomic Compartments
Annemarie Glassey, Wenjie Wang, Lindsey Adams, Mary-Elizabeth Zipparo, Robert Gorelick, Stephen Hewitt, Sharika Rajan, Kathryn Lurain, Ramya Ramaswami, Chuen-Yen Lau, Xiaolin Wu, Sean Patro, Thuy Nguyen, Frank Maldarelli
Impact of BACH2 on the Formation of HIV Latent Reservoirs in Humanized Mouse Model
Hongbo Gao, Liang Shan

Tissue-Resident TCR Repertoires Linked to HIV Persistence
Antoine Chaillon, Alan Wells, Ravi Goyal, Nadia R. Roan, Angela Jones, Karen Beeri, Simon Mallal, Celestine Wanjalla, Magali Porrochis, Gemma Caballero, Pinyi Du, Caroline Ignacio, Davey M. Smith, Sara Gianella Weibel

Single-Cell Multiomics Reveals Trafficking and Enrichment of HIV RNA+ CD4+ T-Cells in Gut Th17
Michelle E. Wong, Jack Collora, Timothy Davenport, Oluwabunmi Olayo, Kenneth Lynn, Emmanuel Papasavvas, Pablo Tebas, Ricardo Morgemstern, Karam Mounzer, Liza Konnikova, Luis J. Montaner, Ya-Chi Ho

Intact Proviruses From Lymph Nodes Are a Preferential Source of Viral Rebound in SHIV-Infected NHP
César A. Trifone, Corentin Richard, Amélie Pagliuzza, Christine Fennessey, Brandon Keele, Jacob D. Estes, Natasha Clark, Sanath Janaka, Andrés Finzi, David T. Evans, Nicolas Chomont

Minimally Invasive Autopsy Confirms HIV Persistence in Multiple Compartments Despite Prolonged cART
Adriaan Basson, Nadia Sabet, Tanvier Omar, Melanie Moodie, Monique Nijhuis, Annemarie M. Wensing, Caroline T. Tiemessen, Francois Venter, Ebrahim Variava, Neil Martinson, Maria A. Papathanasopoulos

The Extended Survival of Infected Brain Myeloid Cells Contributes to HIV Persistence During ART
Yuyang Tang, Antoine Chaillon, Sara Gianella Weibel, Gabriela D. Prates, Xiaoyi Li, Brendon L. Brown, Eduardo de la Parra Polina, Magali Porrochis, Caroline Ignacio, Brendon Woodworth, Davey M. Smith, David M. Margolis, Guochun Jiang

HIV Infection and Reactivation Heterogeneity in Tonsillar and Intestinal Models of HIV Persistence
Ana Gallego Cortes, Nerea Sanchez Gaona, Cristina Mancebo Perez, Joan Rey Cano, Oriol Ruiz i Isant, Stefania Landolfi, Felix Pumarola, Nuria Ortiz, Ines Llano, Julia G. Prado, Enrique Martin Gayo, Vicenç Falcó, Meritxell Genescà, María Buzón

Development of a Single-Cell Multiomic Assay to Phenotype SIV/SHIV Infected Rhesus Macaque Cells
Jayme M. L. Nordin, Vincent H. Wu, M. Betina Pampena, Michael R. Betts

Pure CD32+CD4+ Cells Are Cytotoxic Memory CD4+ T-Lymphocytes Highly Enriched for HIV-1 DNA
Philipp Adams, Ben Berkhout, Alexander Pasternak

Persistence of HIV-RNA in Autopsy Tissue Samples From Persons With HIV With Suppressed Viral Loads
Hiromi Imanichi, Ven Natarajan, Francesca Scrimieri, Mindy Smith, Yunden Badralma, Marjorie Bosche, Jack Hensien, Thomas Buerkert, Weizhong Chang, Brad Sherman, Kanal Singh, H. Clifford Lane
Gut Microbiome Associations With Intestinal HIV Persistence in ART-Suppressed Pediatric Macaques
Nicole Soo, Alexander Grier, Veronica Obregon-Perko, Zain Gohar Siddiqi, Gloria Mensah, Bhrug Yagnik, Diane G. Carnathan, Julia T. Ngo, Rama R. Amara, Genevieve G. Fouda, Guido Silvestri, Sallie Permar, Ann Chahroudi, Ria Goswami

Decreased Frequency of Colon-Resident Memory T-Cells Is Associated With HIV-1 Persistence on ART
Camille Vellas, Nived Collercandy, Manon Nayrac, Mary Requena, Justine Latour, Nicolas Jeanne, Karl Barange, Laurent Alric, Guillaume Martin-Blondel, Jacques Izopet, Pierre Delobel

Monocytes/Macrophages Contribute Only Marginally to the Gut Reservoir of HIV-1 on ART
Camille Vellas, Mary Requena, Manon Nayrac, Karl Barange, Laurent Alric, Guillaume Martin-Blondel, Jacques Izopet, Pierre Delobel

Non-Invasive Imaging Identifies Elevated Metabolic Activity in Lymphoid Tissue During Long-Term ART
Chuen-Yen Lau, Jessica Earhart, Danielle Konlian, Ariana Savramis, Thuy Nguyen, Corina Millo, Avindra Nath, Robert Gorelick, Ana Ortega-Villa, Michael Kassin, Elliott Levy, Brad Wood, Dima Hammoud, Frank Maldarelli, for the NIH Biopsy and Treatment Interruption Team

Inducible, Infectious HIV-1 Resistance to Autologous Neutralizing Antibodies After Long-Term ART
Natalie F. McMyn, Joseph Varriale, Hanna Wu, Janet M. Siliciano, Robert F. Siliciano

Immune Selection of HIV-1 Reservoir Cells After Early ART Initiation
Weiwei Sun, Gregory Gladkov, Ce Gao, Leah Carrere, Isabelle Roseto, Elizabeth Parsons, Carmen Gasca Capote, John Frater, Sarah Fidler, Xu G. Yu, Mathias Lichterfeld

Identification and Targeting of Metabolic Profiles in CTL-Resistant, HIV-Infected CD4+ T-Cells
Alberto Herrera, Louise Leyre, Jared Weiler, Paul Zumbo, Doron Betel, R. Brad Jones

Immune Profile During ATI in AELIX-002 HTI Vaccine Trial and Its Role in Post-Intervention Control
Cristina Peligero-Cruz, Lucía Bailón, Samandhy Cedeño, Tuixent Escribà, Yovaninna Alarcón-Soto, Analia López, Edwards Pradenas, Anna Pons-Grifols, Anuska Llano, Devi SenGupta, Ian McGowan, Jose Molto, Christian Brander, Beatriz Mothe, for the AELIX-002 Study Team
507  IL-1β Blockade in PWH on ART Enhanced Host Antiviral Responses and Cytotoxic Effector Functions
Sulggi A. Lee, Ashish A. Sharma, Naseem Sadek, Danny Li, Ashok K. Dwivedi, Rachel L. Rutishauser, Steven G. Deeks, Rafick P. Sekaly, Priscilla Y. Hsue, Jeffrey A. Tomalka

508  Elevated Plasma IL-10 and Type I Interferon Predict Faster HIV Reservoir Decay in Acute Treated HIV
Lei Shi, Junzhe Shao, Sannidhi Sarvardhavahbatla, Maria Sophia B. Donaire, Alton Barbehenn, Rebecca Hoh, Gregory M. Laird, Frederick Hecht, Christopher Pilcher, Timothy J. Henrich, Jingshen Wang, Jeffrey A. Tomalka, Rafick P. Sekaly, Steven G. Deeks, Sulggi A. Lee

509  Labelled High Affinity TCRs for Detection of HIV Epitopes on Infected Cells: How Low Can We Go?
Zoe Wallace, Jonathan Chamberlain, Esra Guc, Praveen K. Singh, Lucy Dorrell

510  HIV T-Cell Immunity Predicts Intact Proviral DNA Decline in People Treated During Acute Infection
Pien M. van Paassen, Alexander O. Pasternak, Ninée V. Buchholtz, Karel A. van Dort, Michelle J. Klouwens, Liffert Vogt, Casper Rokx, Tokameh Mahmoudi, Cynthia Lungu, Jori Symons, Monique Nijhuis, Jan M. Prins, Neeltje Kootstra, Godelieve J. de Bree

511  Lower ADCC After 26 Weeks of PEG-IFN-α2b and 2 bNAbs in Otherwise Suppressed HIV-1+
Emmanouil Papasavvas, Jessica Marie Morris, Brian N. Ross, Matthew Fair, Livio Azzoni, Karam Mounzer, Jay R. Kostman, Pablo Tebas, Luis J. Montaner

512  Slope of Neutralization Curve is Best Predictor of Viral Decay Response to 3BNC117 at ART Initiation
Jesper D. Gunst, Henrik Stovring, Marie H. Pahus, Ole S. Søgaard

544  Associations Between Nadir CD4+ and Subsequent Immune Measures With Long-Term Cognitive Function
Frank Palella, Janeway Granche, Douglas W. Kitch, Katherine Tassiopoulos, Susan L. Koletar

545  Predictors of CD4/CD8 T-Cell Inversion After 96 Weeks of ART Initiated During Acute HIV
Robert Paul, Kyu Cho, Carlo P. Sacdalan, Ferron F. Ocampo, Phillip Chan, Lydie Trautmann, Julie Ake, Somchai Sriplienchan, Nathornsoon Poltubtim, Jacob Bolzenius, Sandhya Vasan, Napapon Sailsuta, Kilian Pohl, Serena Spudich, for the RV254/SEARCH 010 Study Team

546  Assessing Blood-Based Biomarkers as Predictors of Cognitive Decline in PWH: ACTG A5322 (HAILO)
Shibani S. Mukerji, Petra Bachanová, Linzy V. Rosen, Hemi Park, Rommi Kashlan, Pia Kivisäkk, Felicia C. Chow, Kunling Wu, Raha M. Dastgheyb, Leah H. Rubin, Katherine Tassiopoulos, Robert A. Parker, Emily P. Hyle
**Poster Sessions • Monday**

**CD4+ Count Predicts Longitudinal Trajectories of Central Executive Network Connectivity in PLWH**
Joshua M. Schrock, Yufen Chen, Casey Armstrong, Robin Nusslock, Ann Ragin

**Inflammation and Cognition Associations in Young Adults With Perinatal HIV Exposure and/or Infection**
Megan S. McHenry, Yanling Huo, Paige L. Williams, Kunjal Patel, Wei Li, Alka Khaitan, Sharon Nichols, for the Pediatric HIV/AIDS Cohort Study (PHACS) Network

**Pro-Inflammatory Glycomic Dysregulations Define HIV-Associated Neurocognitive Impairments**
Leila B. Giron, Janeway Granche, Frank Paella, Katherine Tassiopoulos, Mohamed Abdel-Mohsen

**WITHDRAWN**

**Immune Checkpoint Signatures Associated With Impaired Cognition in People Living With HIV**

**No Neurocognitive Benefit of Tesamorelin Immediate vs Delayed Treatment in Virally Suppressed PWH**
Ronald J. Ellis, Florin Vaida, Keren Hu, Michael Dube, Brook Henry, Felicia C. Chow, Lee Daniel, Fred R. Sattler

**Changes in Cognition, Mood, and Sleep Following EFV-DTG Switch in South Africa: The CONNECT Study**
Sam Nightingale, Anna J. Dreyer, Kevin Thomas, Gert U. van Zyl, Eric Decloedt, Pieter Naude, Catherine Orrell, Phumla Sinxadi, Alan Winston, Saye Khoo, John Joska

**Antiretroviral Regimens Are Associated With Cognitive Function in People With HIV**
Luis Parra-Rodriguez, Jane A. O’Halloran, Yuezhe Wang, Wei Jin, Lang Lang, Raha M. Dastghheyb, Donald Franklin, Ronald J. Ellis, Scott L. Letendre, Qing Ma, Yanxun Xu, Leah H. Rubin

**Phenotyping Risk of Polypharmacy and Cognitive Impairment in ACTG A5322: “HAILO”**
Robert Paulius, Kristine M. Erlandson, Kunling Wu, Scott L. Letendre, Jacob Bolzenius, Katherine Tassiopoulos, Kyu Cho, Qing Ma, Ronald J. Ellis, Priya Kosana, Julie Mannarino, Shelli Farhadian, for the ACTG A5322 Study Team

---

**Poster Session-E2 | Novel Treatment Strategies and ART Effects in NeuroHIV**
2:30 PM - 4:00 PM • Poster Hall C-D
556 Pharmacogenetics of Early Neuropsychiatric Adverse Events After Switching to DTG in Second-Line ART
Ying Zhao, Gary Maartens, Rulan Griesel, Graeme A. Meintjes, Phumla Sinxadi

557 Long-Acting Dolutegravir Formulation Reduces Fetal Drug Exposure
Emma G. Foster, Brady Stillman, Yutong Liu, Micah Summerlin, Vikas Kumar, Balasrinivasa R. Sajja, Adam R. Cassidy, Benson Edagwa, Howard E. Gendelman, Aditya N. Bade

558 A New Measure of ART Activity in CSF and Association With Persistence and Cognitive Function

Poster Session-E3 | Pathogenesis of Central Nervous System Post-Acute Sequelae of COVID-19
2:30 PM - 4:00 PM • Poster Hall C-D

559 The Association Between Prior SARS-CoV-2 Infection and Incidence of Stroke
Naveed Akhtar, Hiam Chemaitelly, Saadat Kamran, Abdul-Badi Abou-Samra, Laith J. Abu-Raddad, Adeel A. Butt

560 Focal Cerebral Hypoperfusion in Individuals With Cognitive Impairment After COVID-19
Lindsay S. McAlpine, Allison Nelson, Jennifer Chiarella, Robert Fulbright, Shelli Farhadian, Maolin Qiu, Todd Constable, Serena Spudich

561 CSF Biomarker Evidence of Synaptic Dysfunction in Acute, but Not Post-Acute COVID-19
Arvid Edén, Johanna Nilsson, Anna Grahn, Nelly Kanberg, Erika Stentoft, Daniel Bremer, Aylin Yilmaz, Marie Studahl, Staffan Nilsson, Michael Schöll, Iris Bosch, Kaj Blennow, Ann Brinkmalm, Henrik Zetterberg, Magnus Gisslén

562 SARS-CoV-2 Nucleocapsid Antigen is Not Detected in the CSF During Long COVID
Shelli Farhadian, Allison Grubman, Lindsay S. McAlpine, Bibhuprasad Das, Jennifer Chiarella, Benjamin Orlinick, Hailey Reisert, Allison Nelson, Priya Kosana, Meenakshi Khare, Serena Spudich

563 Gut Microbiome Dysbiosis and Lower Abundance of Butyrate Producing Bacteria in Neurologic PASC
Lawrence Purpura, Lingheng Wen, Heekuk Park, Ga Young Seo, Jayesh Shah, Amanda Castillo, Anne-Catrin Uhlemann, Michael T. Yin
Implementation of an Online Drug-Drug Interaction Screener for STRIVE Ensitrelvir Trial for COVID
Josh Havens, Nayon Kang, Lucy Chung, Courtney V. Fletcher, Page Crew, Jacquie Nordwall, Birgit Grund, Marcelo Losso, Shikha Vasudeva, Adit Ginde, Jason Baker, for the INSIGHT STRIVE Ensitrelvir Study Group

Evidence for Safe Use of Doravirine With Hormonal Contraceptives in African Women Living With HIV
Rena Patel, Nkosi Ndlove, La-Donna Kapa, Garoma Basha, Ché K. Moshesh, Nashon Yonga, Krishnaveni Reddy, Nompumelelo Sigcu, Nazneen Cassim, Shukri A. Hassan, David W. Erikson, Kimberly K. Scarsi, Thesla Palanean-Phillips, for the EPIC Study Team

Pharmacogenetics of Dolutegravir During Rifapentine/Isoniazid Treatment of Latent TB in ACTG A5372
Nia Covington, Annie Luetskemeyer, Marjorie Imperial, Rodney Dawson, Yoninah Cramer, Sue Rosenkranz, Susan Swindells, Irina Gelmanova, Anchalee Avihingsanon, Roberto C. Arduino, Wadzanai Samaneka, Kelly Dooley, Rada Savic, Anthony Podany, David W. Haas

Population Pharmacokinetic Approaches to Standardize Antiviral Exposure in the Cerebrospinal Fluid
Sean N. Avedissian, Ying Mu, Caitlyn McCarthy, Ronald J. Bosch, Serena Spudich, Rajesh T. Gandhi, Deborah K. McMahon, Joseph J. Eron, John W. Mellors, Courtney V. Fletcher

Antiretroviral Concentrations in Post-Mortem Tissues: Preliminary Results From the Last Gift Program
Micol Ferrara, Amedeo De Nicolò, Alessandra Manca, Elisa De Vivo, Sara Soloperto, Davey M. Smith, Antoine Chaillon, Magali Porrachia, Niamh Higgins, Antonio D’Avolio, Stefano Bonora, Sara Gianella Weibel

Gendered Inclusion in Studies Evaluating Injectable HIV Treatment and PrEP: A Scoping Review
Alexa L. Elias, Isabelle Whelan, Melanie Smuk, Nuala A. Pepper, Nishat Halim, Vanessa Apea, Chloe M. Orkin

Implementing LA Cabotegravir (CAB) +Rilpivirine (RPV) Therapy in 6 UK Clinics & in the Community: ILANA
Chloe M. Orkin, Joanne S. Haviland, Yuk L. Wong, Sara Paparini, Bakita Kasadha, Rosalie Hayes, Julie Fox, Ruth Byrne, Amanda Clarke, Emily Clarke, Tristan J. Barber, Vanessa Apea, for the ILANA Study Group
622 Acceptability of Long-Acting Cabotegravir & Rilpivirine in a Large Urban Ambulatory HIV Clinic
Casey M. Luc, Blake Max, Sarah Perez, Kara Herrera, Mark Dworkin

623 Real-World Effectiveness of Cabotegravir + Rilpivirine vs Standard of Care Oral Regimens in the US
Ricky K. Hsu, Michael Sension, Jennifer S. Fusco, Laurence Brunet, Quateka Cochrans, Gayathri Sridhar, Vani Vannappagari, Jean Van Wyk, Michael B. Wohlfeiler, Brooke Levis, Gregory P. Fusco

624 Predictors of Injection Visit Adherence in Those Receiving Injectable Cabotegravir/Rilpivirine
Lucas Hill, Jeffrey Yin, Nimish Patel, Kari Abulhosn, Elvia Suarez, Afsana Karim, Laura Bamford

625 Real-World Utilization of Cabotegravir + Rilpivirine in the US: Data From Trio Health Cohort

626 Real-World Virologic Outcomes of Cabotegravir/Rilpivirine in Patients With Elevated Body Mass Index
Christina Maguire, Eric Farmer, Emily Huesgen, Kaitlyn Rueve, Marisa Brizzi, Amanda Binkley, Bernice Kear, Pallavi Chary, Helen Koenig, Peter Sung, Emily Hiserodt, Karam Mounzer, Danielle Rocha, Adrian Altieri, William R. Short

627 HIV-1 RNA Blips and Low-Level Viral Replication: SOLAR (CAB+RPV LA vs BIC/FTC/TAF)
Christine Latham, Rim gaile Urbaityte, Kenneth Sutton, William Spreen, Ronald D’Amico

628 24-Week Viral Suppression in Patients Starting Long-Acting CAB/RPV Without HIV Viral Suppression
Matt Hickey, Janet Grochowski, Francis Mayorga–Munoz, Elizabeth Imbert, John D. Szmowski, Jon Oskarsson, Mary Shiels, Samantha Dilworth, Ayesha Appa, Diane Havlir, Monica Gandhi, Katerina Christopoulos

629 Case Series Examining the Long-Acting Combination of Lenacapavir and Cabotegravir: Call for a Trial
Monica Gandhi, Lucas Hill, Janet Grochowski, Alexander Nelson, Katerina Christopoulos, Diane Havlir, Catherine A. Koss, Francis Mayorga–Munoz, Jon Oskarsson, John D. Szmowski, Ann Avery, Laura Bamford, Jillian Baron, William R. Short, Corrilynn O. Hileman

630 Lenacapavir Efficacy in CAPELLA Patients With No Fully Active Agents in Optimized Background Regimen
Onyema Ogbugu, Vinai Ratanasuwon, Anchalee Avihingsanon, Ploenchan Chetchotisakd, Andrew Wiznia, Kimberly Workowski, Chien-Ching Hung, Jason Brunetta, Benoit Trottier, Mohammed Rassool, Hui Wang, Nicolas Margot, Hadas Dvoy-Sobol, Martin S. Rhee, Sorana Segal-Maurer

631 Intramuscular Injection vs Intravenous Infusion of Ibalizumab for HTE PWH: The Results of TMB-302
Kaitlin R. Anstett, R. Brandon Cash, Anthony Mills, Mezgebe Berhe, Edwin DeJesus
Poster Session-H2 | Resistance to Specific Drugs: Lenacapavir, Tecovirimat, Dolutegravir and Cabotegravir/Rilpivirine
2:30 PM - 4:00 PM • Poster Hall C-D

649 48-Week Outcomes After Programmatic Transition to Dolutegravir in South Africa

649 Uptake of Rapid and Early ART Initiation in Latin America and the Caribbean and Associated Factors
Yanink Caro-Vega, Anna K. Person, Bryan E. Shepherd, Rodrigo Ville, Serena Koenig, Carina Cesar, Claudia P. Cortes, Beatriz Grinsztejn, Eduardo Gotuzzo, Brenda E. Crabtree-Ramírez

650 Bictegravir as Universal Initial Antiretroviral Therapy: A National Target Trial Emulation Study
Isaac Núñez, Yanink Caro-Vega, Conor MacDonald, Juan L. Mosqueda, Alicia Piñeirúa-Menéndez, Anthony Matthews

651 HIV Detectable Low-Level Viremia Suggests a Revised Threshold for Viral Suppression in Cameroon
Alex Durand Nka, Joseph Fokam, Collins Ambe Chenwi, Efakaki Gabisa Jeremiah, Yagai Bouba, Serge Clotaire Billong, Anne-Cécile Z.-K. Bissek, Hamsatou Hadja, Carlo Federico Perno, Samuel Martin Sosso, Alexis Ndjolo

652 Increased Viral Suppression With Adherence Counseling Incorporating a Point-of-Care Urine TFV Test
Leonard T. Bikinesi, Matthew A. Spinelli, Ntombizodwa M. Nyoni, Jesaya Hifindwako, Assegid Mengistu, Jacques Kamangu, Gram Mutandi, Daniella Mouton, Fekir Negussie, Rachel S. Beard, Monica Gandhi, Steven Y. Hong

Phenotypic Characterization of Replication-Impaired Lenacapavir-Resistant HIV Clinical Isolates
Sally Demirdjian, Vidula Naik, Nicolas Margot, Brie Falkard, Christian Callebaut

Rapid Selection of HIV-2 Capsid Mutations After Failure of a Lenacapavir-Containing Regimen
Mélanie Bertine, Gilles Peytavin, Thibault Saint-Joannis, Antoine Bachelard, Pierre de Truchis, Sylvie Lariven, Philippe Morlat, Cécile Poudreoux, Naomi Sayre, Roland Tubiana, Nadia Valin, Charlotte Charpentier, Diane Descamps, Jade Ghosn, Quentin Le Hingrat
Role of Dolutegravir in the Emergence of the S147G Integrase Resistance Mutation
Marc Wirden, Basma Abd, Sidonie Lambert-Niclot, Marie-Laure Chai, Anne de Monte, Brigitte Montes, Coralie Pallier, Pantxika Bellecave, Magali Bouvier- Alias, Stephanie Raymond, Sabine Yerly, Charlotte Charpentier, Vincent Calvez, Anne-Genevieve Marcelin, for the French ANRS MIE Resistance Study Group

HIV-1 Resistance Mutations to Integrase Inhibitors Impair Both Integration and Reverse Transcription
Pauline Ratouit, Vincent Guiraud, Isabelle Malet, Cathia Soulie, Jérome Denis, Ronan Legrand, Elisa Teysou, Anne-Genevieve Marcelin, Vincent Calvez

High-Level Resistance to Integrase Inhibitors Conferred by Mutations Outside Integrase
Yuta Hikichi, Sherimay D. Ablan, Erin Clark, Eric O. Freed

Virologic Failure With Cabotegravir-Rilpivirine Injections: A Single-Site Experience
Shivanjali Shankaran, Laura Hernandez-Guarin, Neel Jhobalia, Beverly Sha, Mariam Aziz

A Phase II Trial of 4 Weeks of Glecaprevir/Pibrentasvir for Early Hepatitis C Virus: ACTG A5380
Arthur Kim, Minhee Kang, Trii Umbleja, Estevao P. Nunes, Kristen Marks, Chanelle Wimbish, Daniel S. Fierer, Annie Luetkemeyer, Dimas Kleimann, Sunil Suhas Solomon, Leonard Sowah, Beverly L. Alston-Smith, David L. Wyles, Susanna Naggie, for the A5380 Study Team

Precision Randomized Trial of Hepatitis C Treatment Adherence Support Among 3000 PWID in India

Prevalence and Risk Factors for Hepatitis C Viremia in People With HIV in the US During the DAA Era
Jimmy Ma, Robin M. Nance, Edward Cachay, Stephanie A. Ruderman, Lydia N. Drumright, Rob Fredericksen, Oluwaseun Falade-Nwulia, Geetanjali Chander, Christopher Hurt, George A. Yendewa, April Pettit, Richard D. Moore, Mari Kitahata, Nina Kim, for the Center for AIDS Research Network of Integrated Clinical Systems

Elimination of HCV Among People With HIV in Australia
Joanne Carson, Marianne Martinello, Samira Hosseini-Hooshyar, Phillip Read, David A. Baker, Jeffrey Post, Robert Finlayson, Mark Bloch, Joseph Doyle, David Shaw, Margaret Hellard, Ecaterina Filep, Gregory Dore, Gail Matthews
700  Community Pop-Up Clinic: Cascade of Care and HCV Treatment of Vancouver's Inner-City PWID Population  
Brian Conway, Saina Beitari, Shawn Sharma, Rosittta Yung, Shana Yi

701  Nationwide HCV Elimination Program and the Status of Microelimination in People With HIV in Taiwan  
Guan-Jhou Chen, Hsin-Yun Sun, Kuan-Yin Lin, Chien-Ching Hung

702  High Completion and Cure Rates With a Decentralized, Integrated HCV Treatment Approach in Vietnam  
Nhan T. Do, Nhung T. Vo, Huang T. Phan, Dung A. Tran, Thuy T. Pham, Chieu V. Vu, Linh An T. Tong, Hang T. Duong, Duy T. Nguyen, Mai T. Pham, Lisa A. Cosimi, Todd Pollack

703  High Rate of Hepatitis C Incidence in Vietnamese MSM Living With HIV  

704  Cost Savings Modeling of Telehealth Services for Hepatitis C Virus Infection, Cherokee Nation  
Jorge Mera, Molly A. Feder, Jeri Sawyer, Gretchen Greene, Brigg Reilley, Ashley Wirth, David Stephens, Jessica Leston

705  Using County Notification Data to Characterize Recently Reported Hepatitis C Cases, Los Angeles  
Cassidy J. Hernandez-Tamayo, Lokesh Bhardwaj, Riya Shah, Chrysovalantis Stafylis, Prabhju Gounder, Mirna Ponce Jewell, Jeffrey D. Klausner, for Hepatitis C Linkage to Care Team

706  A Model to Eliminate Viral Hepatitis Infection in Migrants: A Prospective Study in Southern Italy  
Antonio Russo, Mariantonietta Pisaturo, Alessio Loredana, Stefania De Pascalis, Margherita Macera, Vincenzo Messina, Lorenzo Onorato, Carmine Minichini, Maria Stanzione, Gianfranca Stornaiuolo, Mario Starace, Caterina Monari, Caterina Sagnelli, Nicola Coppola

707  Hepatitis C Screening in the Emergency Department: The Multi-Center DETECT Hep C Clinical Trial  

708  Navigation is Superior to Clinician Referral for Linkage to HCV Care from the Emergency Department  
Sarah E. Rowan, Jason Haukoos, Kevin Kamis, Emily Hopkins, Matthew Minturn, David Higgins, Erika Becerra-Ashby, Carolyn Lyle, Stephanie Gravitz, Robert McGoe, Meghan Bellamy, Alia Al-Tayyib, Edward Gardner, David L. Wyles, for the DETECT Hep C Linkage-to-Care Trial Investigators

709  Peripartum Linkage to Care in Hepatitis C: Infant Testing and Maternal Treatment  
John Cafardi, Hong Lin, Lana Lange, Lacey Kelley, Kelly Lemon, Elisabeth Odegard, Heidi L. Meeds, Jason T. Blackard, Judith Feinberg
**Poster Session-I2**

**Poster Session-I2 | Life After HCV Sustained Virologic Response**

*2:30 PM - 4:00 PM • Poster Hall C-D*

---

**710**

**Intracellular Sofosbuvir Concentrations in Pregnant Women With Hepatitis C Virus**

Catherine A. Chappell, Kristina M. Brooks, Jennifer J. Kiser, Ingrid S. Macio, Leslie A. Meyn, Kyung-min Kwon, Cathleen Letterio, Sarjita Naik, Bruce Kreter, Sharon L. Hillier

---

**711**

**Transfer of Sofosbuvir/Velpatasvir Into Breast Milk**

Catherine A. Chappell, Kristina M. Brooks, Jennifer J. Kiser, Brandon Klein, David Nerguizian, Lane Bushman, Hollis J. Laird, Ellen Stewart, Katelyn Kasula, Kyung-min Kwon, Cathleen Letterio, Bruce Kreter, Elizabeth E. Krans

---

**712**

**Validation of a Point-of-Care Test Based on RT-LAMP for HCV Detection by Capillary Sampling**

Sonia Arca-Lafuente, Cristina Yépez-Notario, Pablo Cea-Callejo, Violeta Lara Aguilar, Celia Crespo-Bermejo, Luz Martín-Carbonero, Ignacio De los Santos, Verónica Briz, Ricardo Madrid

---

**713**

**Prevalence and Resistance Profiles of “Unusual” HCV Subtypes in Italy**

Collins Ambe Chenwi, Velia Chiara Di Maio, Mohammad Al Khatib, Elisabetta Teti, Ada Bertoli, Stefania Paolucci, Nicola Coppola, Teresa Pollicino, Bianca Bruzzzone, Omar El Khalili, Sohaib Khan, Massimo Puoti, Maurizio Zazzi, Francesca Ceccherini-Silberstein, for the HCV Virology Italian Resistance Network Vironet C

---

**714**

**Simultaneous Start Strategy With BIC/FTC/TAF in Individuals With HIV/HCV Coinfection in China**

Qing Lin, Feng Wang, Li Li, Hongmei Zhu, Yuan Yao, Jingchun He, Zheng Li, Zhenglin Wang, Qingmei Zhou, Zuwei Xia, Yiping Yang, Zehu Deng

---

**715**

**Similar Mortality Among Individuals With HIV/HCV-Coinfection and HCV-Mono-infection After SVR**

Anais Corma-Gomez, Jessica Martin-Carmona, Francisco Tellez, Mirmam Serrano-Fuentes, Luis E. Morano, Diana Corona-Mata, María Jose Rios, Francisco J. Vera-Mendez, Isabel Barroso, Rosario Palacios, Ignacio de los Santos, Paloma Geijo, Juan Antonio Pineda, Juan Macías, for the GEHEP-011 Study Group

---

**716**

**Direct-Acting Antivirals and Risk of Hepatocellular Carcinoma in People With HIV/HCV Coinfection**

Daniela K. van Santen, for the HepCAUSAL Collaboration

---

**717**

**Predictors of Liver-Related Events Following DAA HCV Cure in PWH With Advanced Fibrosis/Cirrhosis**

Juan Berenguer, Teresa Aldámicz-Echevarría, Víctor Hontañón, Chiara Fanciulli, Carmen Quereda, Carmen Busca, Lourdes Domínguez, Cristina Hernández, Jorge Vergas, Lucio J. García-Fraile, Marta De Miguel, Cristina Diez, José M. Bellón, Juan González-García, for the GeSida 10318-MARATHON Study Team
Poster Sessions

**Poster Sessions • Monday**

**CROI 2024**

**718**

**Immunophenotypic Profile Modifications After Spontaneous HCV Clearance or DAA Treatment in PWHIV**
Camille Jacqueline, Violeta Lara Aguilar, Manuel Llamas-Adán, Cristina González Díaz, Sergio Grande-García, Celia Crespo-Bermejo, Sonia Arca-Lafuente, Luz Martín-Carbonero, Pablo Ryan, Ignacio De los Santos, Verónica Briz, Amanda Fernández-Rodriguez

**719**

**Influence of Markers Related to Biologic Aging on Liver Regeneration in HCV Patients Achieving SVR**
Alejandro González-Serna, Anaíz Corma-Gómez, Chiara Del Pietro, Mercedes Cano, Marta Santos, Carmen Martin-Sierra, Pilar Rincón, Juan Antonio Pineda, Luis M Real, Juan Macias

**720**

WITHDRAWN

**721**

**Hepatitis C Reinfection Among Men Who Have Sex With Men in an Acute HIV Cohort in Thailand**
Pathariya Promsena, Ferron F. Ocampo, Carlo P. Sacdalan, Suteeraporn Pinyakorn, Nisakorn Ratnaratorn, Kultida Poltavee, Nitiya Chomchey, Somchait Sripliencham, Nittaya Phanuphak, Sandhya Vasan, Lydie Trautmann, Donn J. Colby, for SEARCH010/RV254

**722**

**Re-Infection Following a Minimal Monitoring Approach for Treatment of Hepatitis C Virus Infection**
Win Min Han, Sunil Suhas Solomon, Laura Smeaton, Sandra Wagner-Cardoso, Jian Li, P.C. Parmangada, Mark Sulkowski, Susanna Naggie, Ross Martin, Hongmei Mo, Evgenia Maiorova, David L. Wyles

**723**

**Impact of Healthcare Expenditure on HBV and HCV in Southern Western European Countries in 2000-2019**
Sonia Arca-Lafuente, Claudia Palladino, Rebeca Ramis, Ifeanyi J. Ezeonwumelu, Nuno Taveira, Verónica Briz

**Poster Session-J1 | Cancer Pathogenesis and Natural History: Kaposi Sarcoma and General**
2:30 PM - 4:00 PM • Poster Hall C-D

**748**

**WT1 Upregulation by Lytic Induction of Kaposi Sarcoma Herpesvirus**
Ayana E. Morales, Yun Yeong Jang, Ruby Gumenick, Ariene Ouedraogo, Shaun Hinds, Lesly Morocho, Ethel Cesaram

**749**

**Saliva Kaposi Sarcoma Herpesvirus Levels as a Diagnostic Marker of Visceral Kaposi Sarcoma**
Matthew Witterholt, Tishiya Carey, Kathryn Lurain, Ralph Mangusan, Anaïda Widell, Irene Ekwede, Vickie Marshall, Nazzarena Labo, Kyle Moore, Wendell Miley, Romin Roshan, Elena M. Cornejo Castro, Denise Whitby, Robert Yarchoan, Ramya Ramaswami
Baseline KSHV T-Cell Responses Are Associated With Pre-Treatment Clinical Presentation in KS
Ralph Kamel, Minhee Kang, Carlee Moser, Richard Ambinder, Dirk Dittmer, Lara Hosey, Roy Matining, Mina Hosseinipour, Margaret Borok, Thomas Campbell, Susan E. Krown, Bernard Macatangay, Charles R. Rinaldo, for A5263/AMC066 and A5264/AMC067

Description of Clonal Hematopoiesis in a Hospital-Based Cohort of People Living With HIV
Manasa Bhatta, Myvizhi Esai Selvan, Daniel I. Nathan, Nikolaos Spyrou, Zeynep Gumus, Bridget Marcellino, Keith Sigel

Inflammatory Signatures Predict the Risk of Severe Non-AIDS Events, Especially Non-AIDS Cancers
Javier Martínez-Sanz, Claudio Díaz-García, Elena Moreno, Laura Martín-Pedraza, Laura Luna García, Juan Carlos López Bernaldo de Quirós, Jose I. Bernardino, Marta Montero, Enrique Bernal, Helena Albendin Iglesias, Santiago Moreno, Sergio Serrano-Villar, for the Cohort of the Spanish HIV/AIDS Research Network (CoRIS)

Contribution of HIV to the Burden of Merkel Cell Carcinoma in the US
Jacob T. Tribble, Karena Volesky-Avellaneda, Qianlai Luo, Michael Sargen, Isaac Brownell, Elizabeth Cahooon, Meredith Shieils, Ruth Pfeiffer, Adrienne Moreno, Brenda Hernandez, Eric Engels

Association Between HIV Infection and Survival for Head and Neck Cancers in the US From 2008-2020
Devesh S. Malgave, Ado S. Rivera, Christine Hartman, Jennifer R. Kramer, Peter Richardson, Efthalia Zafeiropoulou, Rulin Hechter, Matthew Boyer, Dong Yongquan, Lori Sakoda, Donna White, Wendy Leyden, Michael J. Silverberg, Elizabeth Y. Chiao

Changes in Gut Microbiota Associated With Progression of Atherosclerosis in People With HIV
Javier García-Abellán, Marta Fernández-González, Vanesa Agulló, José Alberto Garcia, Sergio Padilla, Catalina Robledano, Ronald Galdamez, Leandro López, Paula Mascarell, Angela Botella, Nuria Ena, Lidia García, Maria José Gosalbez, Félix Gutiérrez, Mar Masiá

Plasma IL-1β Predicts Incident Coronary Artery Disease and Pulmonary Embolism in PWH on ART
Sannidhi Sarvadhavabhatla, Lei Shi, Junzhe Shao, Maria Sophia B. Donaire, Vivian Pae, Alton Barbehenn, Danny Li, Xiuping Chu, Colin T. Maguire, Priscilla Y. Hsue, Jingshen Wang, Rafick P. Sekaly, Brian K. Agan, Jeffrey A. Tomalka, Sulggi A. Lee

Poster Session-J4 | Other Cancers Complicating HIV Infection
2:30 PM - 4:00 PM • Poster Hall C-D

Poster Session-K1 | Cardiovascular Disease Biomarkers
2:30 PM - 4:00 PM • Poster Hall C-D
769  Clonal Hematopoiesis in HIV and Atherosclerosis, Arterial Inflammation, and Hematopoietic Activity
Matthew S. Durstenfeld, Katherine J. Kentoffio, Alexandra J. Teng, Shady Abohashem, Danny Li, Rebecca Hoh, Steven G. Deeks, Alexander G. Bick, Ahmed A. Tawakol, Priscilla Y. Hsue

770  Activated and Exhausted CD8+ T-Cell Subsets Associate With Carotid Atherosclerotic Plaques in PLHIV

771  Co-Occurrence of MASLD and CKD Increased Cardiovascular Incidence Among Thai HIV Population
Hay Mar Su Lwin, Tanakorn Apornpong, Win Min Han, Sivaporn Gatechompol, Siwat Thammapiwan, Porntep Amornritvanich, Stephen Kerr, Anchalee Avihingsanon

772  The Association of Mild Kidney Disease With Coronary Disease Is Stronger for People With HIV
Shradha J. Doshi, Barbra Richardson, Rashidah Nazzinda, Henry Mugerwa, Marcio Bittencourt, Geoffrey Erem, Aparna Narendrula, Carey Farquhar, Cissy Kityo, Chris T. Longenecker

773  Relating Pitavastatin Effects on Inflammatory Biomarkers to Plaque Changes in REPRIEVE
Steven Grinspoon, Michael T. Lu, Sara McCallum, Markella Zanni, Borek Foldyna, Kayla Paradis, Carl J. Fichtenbaum, Judith A. Aberg, Gerald S. Bloomfield, Carlos D. Malvestutto, Judith S. Currier, Thomas Mayrhofer, Julia Karady, Heather J. Ribaudo, Pamela S. Douglas

774  Endothelial Microvesicles: Circulating Biomarker and Mediator of Vascular Dysfunction With HIV-1
Emily L. Ostrander, Vinicius P. Garcia, Hannah K. Fandl, Auburn R. Berry, Hannah L. Cardenas, Jared J. Greiner, Brian L. Stauffer, Elizabeth Connick, Christopher DeSouza

775  Transcriptional Signatures Underlying Cardiovascular Disease in Persons Living With HIV

776  Endothelial Dysfunction in HIV: Exploring Cytokine and Chemokine Dynamics
Celestine Wanjalla, Joey Stolze, Samuel Bailin, Mona Mashayekhi, Sheng Quanhu, Curtis L. Gabriel, Xiuxi Zhang, David G. Harrison, John Koethe

777  Elevated Triglycerides and Endothelial Vasodilator Dysfunction in Adults Living With HIV-1
Vinicius P. Garcia, Kelly A. Stockelman, Anthony R. Bain, Cynthia Firnhaber, Jared J. Greiner, Brian L. Stauffer, Elizabeth Connick, Christopher DeSouza
**Poster Sessions • Monday**

778 **Spatial Profiling Reveals Immunometabolic Pathways Involved in Trained Immunity in PWH With CVD**

Cheryl Cameron, Emily Bowman, Leah Zagore, Banumathi Tamilselvan, Brian Richardson, Thura Harfi, Susan L. Koletar, Jon Lomasney, Michael L. Freeman, Joseph Willis, Elizabeth Mayne, Michael M. Lederman, Matthew J. Feinsteen, Nicholas Funderburg, Mark Cameron

779 **IL-32 Isoforms Potentially Impact Bone and Cardiovascular Diseases in HIV Infection**

Hardik Ramani, Madeleine Durand, Aurelie Cleret-Buhot, Remi Bunet, Carl Chartrand–Lefebvre, Benoit Trottier, Réjean Thomas, Jean-Pierre Routy, Claude Fortin, Valérie Martel–Laferrière, Alan Landay, Mohammad–Ali Jenabian, Mohamed El-Far, Cécile Tremblay

780 **Myocardial Gene Profiling at Time of Sudden Death Demonstrates Increased Immune Responses in PWH**

Tasha Tsao, David P. Maison, Brian H. LaFranchi, James Salazar, Arianne Caudal, Brielle Kinkead, Kosuke Nakasuka, Ellen Moffat, Andrew J. Connolly, Timothy J. Henrich, Zian H. Tseng

**Poster Session-L1 | GLP-1 Receptor Agonists for Weight Loss in HIV**

2:30 PM - 4:00 PM • Poster Hall C-D

797 **Impact of Semaglutide on Weight Change Among People With HIV: A Stratified Analysis by Baseline BMI**


798 **Effects of Semaglutide on Inflammation and Immune Activation in HIV-Associated Lipohypertrophy**

Allison Ross Eckard, Qian Wu, Abdus Sattar, Nicholas Funderburg, Kate Allstock, Danielle Labbato, Grace A. McComsey

799 **Effects of Semaglutide on Muscle Structure and Function in the SLIM Liver Study**

Grace L. Ditzenberger, Jordan E. Lake, Douglas W. Kitch, Amy Kantor, Raja Muthupillai, Pablo Belauzaran-Zamudio, Todd T. Brown, Kathleen Corey, Alan Landay, Anchalee Avihingsanon, Fred R. Sattler, Kristine M. Erlandson

**Poster Session-L3 | Weight Gain and Metabolism**

2:30 PM - 4:00 PM • Poster Hall C-D

803 **Dolutegravir Targets the Hypothalamus to Suppress Energy Expenditure via Estrogen Receptor**

Ikkrak Jung, Sunghee Jin, Woosub Yang, Yoonmi Cho, Becky Tu-Sekine, Frederick Anokye-Danso, In-Hyun Park, Todd T. Brown, Sangwon F. Kim
804 Weight Gain After Initiating ART Close to HIV Seroconversion: Is There a Return to Health Effect?
Nikos Pantazis, Sophie Grabar, Marc Van der Valk, Caroline Sabin, Inma Jarrin, Laurence Meyer, Christina Garlander, John Gill, Shema Tariq, Alain Volny Anne, Fiona Burns, Elisa Ruiz-Burga, Giota Touloumi, Kholoud Porter, for the CASCADE Collaboration

805 Switching to Integrase Strand Transfer Inhibitors and the Risk of Diabetes in Persons With HIV
Y. Joseph Hwang, Catherine Lesko, Todd T. Brown, Jeanne C. Keruly, LaQuita N. Snow, Jarratt D. Pytell, Oluwaseun Falade-Nwulia, Richard D. Moore, Anthony Fojo

806 Effect of TDF and TAF on Duodenal Enterocytes: A Hypothesis for Different Effect on Body Weight
Kai J. Kauppinen, Nelli Sjöblom, Inka Aho, Perttu Arkkila, Jussi Sutinen

807 Weight Change After Starting Doravirine Among ART-Experienced Individuals in the US
Karam Mounzer, Laurence Brunet, Michael Sension, Ricky K. Hsu, Jennifer S. Fusco, Yohance O. Whiteside, Gregory P. Fusco

808 Predictors of Weight Gain in the ADVANCE, NAMSAL, and WRHI Trials: EFV, TDF, and Baseline CD4+ Count
Andrew Hill, Bryony Simmons, Francois Venter, Alexandra Calmy, Eric Delaporte, Tamara Tovar-Sanchez, Charles Kouanfack, Mireille Mpoudi- Etame, Godpower Akpomiemie, Bronwyn Bosch, Simiso Sokhela

809 The Relationship Between Plasma Oxylipins and InSTI-Associated Weight Gain in Women Living With HIV
Chin-An Yang, Cyra C. Mehta, Qian Yang, Tsungirirai Maramba, Igbo Ofotokun, Kehmia Titanji, Anandi N. Sheth, Kristal M. Maner-Smith, Thomas R. Ziegler, Cecile D. Lahiri, Jessica A. Alvarez

810 Dolutegravir-Based Therapy, Diet, Activity, & Weight Gain: 48-Week Prospective Cohort in South Africa

811 Dolutegravir, Body Mass Index, and Metabolic Syndrome in the IeDEA Sentinel Research Network
Samir K. Gupta, Susan Öfner, Beverly Musick, Constantin Yiannoutsos, Gilles Wandeler, Belinda Chihota, Albert Minga, Ephram Mensah, Vidya Mave, Awachana Jamisukul, Brenda E. Crabtree-Ramirez, Rodrigo d. Moreira, Suzanne Goodrich, Aggrey Semeere, for the Sentinel Research Network of IeDEA

812 TDF and Efavirenz but not InSTI or TAF Use Are Associated With Weight Gain During cART
Henning J. Drechsler, Amneris Luque, Ikwo Oboho, John Hanna, Christopher Clark, Ngozi Enwerem, Roger Bedimo
**Poster Sessions**

**Poster Sessions • Monday**

**Poster Session-M1**

**Post-Acute COVID-19 Syndrome: Predictors, Associations, and Clinical Manifestations**

2:30 PM - 4:00 PM • Poster Hall C-D

**Poster Session-L6**

**Pulmonary and Sleep Complications**

2:30 PM - 4:00 PM • Poster Hall C-D

---

**813**

**Lipidome Composition and Weight Changes at 48-week 3TC-DTG and FTC/TAF/BIC: Data of the ICONA Cohort**

Roberta Rovito, Valeria Bono, Camilla Tincati, Matteo Augello, Alessandro Tavelli, Alessandra Rodanò, Francesca Bai, Valentina Mazzotta, Andrea Antinori, Eugenia Quiros-Roldan, Andrea Giacomelli, Giovanni Guaraldi, Antonella D’Arminio Monforte, Giulia Marchetti, for the ICONA Foundation Study Group

**814**

**Phase 4 DEFINE Switch Study to Manage InSTI-related Weight Gain: Metabolics and Biomarker Analysis**

Johnnie Lee, David Anderson, Nina Ahmad, Richard B. Simonson, Ping Xu, Briana Journée, Tien-huei Hsu

**815**

**Weight Gain in People With HIV (PWH) vs People Without HIV (PWOh) Over a 3-Year Period**

Richard A. Elion, Joshua Gruber, Janna Radtchenko, Paul E. Sax, Megan Dunbar, Joseph J. Eron, Calvin Cohen, Gregory Huhn, Keri N. Althoff, Grace A. McComsey

**816**

**Effect of Obesity on Response to Antiretroviral Therapy in SIV-Infected Rhesus Macaques**

Kristin Sauter, Diana Takahashi, Melissa A. Kirigiti, Sarah R. Lindsley, Hannah Blomenkamp, Heather Hofmeister, Gabriela Webb, Oleg Varlamov, Jonah Sacha, Charles Roberts, Paul Kievit

---

**Poster Session-L6**

**Sleep Apnea in People With and Without HIV in Primary Care**

Jennifer O. Lam, Craig E. Hou, Stacey Alexeeff, Tony Levine, Varada Sarovar, Verena E. Metz, Michael A. Horberg, Derek D. Satre, Michael J. Silverberg

**825**

**Outcome of a Multidimensional Intervention for Insomnia in a Cohort of People Living With HIV**

Maria Mazzitelli, Mattia Trunfio, Lolita Sasset, Davide Leoni, Vincenzo Scaglione, Mauro Marini, Gianluca Gasparini, Angela Favaro, Annamaria Cattelan

**826**

**Protease Activity in the Lung in HIV-Associated Obstructive Lung Disease (OLD)**

Chris Wendt, Sarah Samorodnitsky, Monica Kruk, Eric Lock, Alison Morris, Janice Leung, Danielle Weise, Laurie Parker, Pratik Jagtap, Timothy Griffin, Ken Kunisaki

---

**Poster Session-M1**

**Predictors, Associations, and Clinical Manifestations**

2:30 PM - 4:00 PM • Poster Hall C-D

**Poster Session-L6**

**Pulmonary and Sleep Complications**

2:30 PM - 4:00 PM • Poster Hall C-D

---

**844**

**Effects of HIV Status on Incidence of Post-COVID Conditions in Patients With SARS-CoV-2 (COVID-19)**

Michael A. Horberg, Celeena R. Jefferson, Eric S. Watson, Lily F. Fathi, Seohyun S. Kim, Kelly A. Gebo, Brenna Hogan, Elizabeth Humes, Keri N. Althoff
Evaluating the Effect of Vaccination on Post-COVID Conditions Among Patients With and Without HIV

Post-Acute Sequelae of COVID-19 in an Early-Treated HIV Cohort in Thailand
Ferron F. Ocampo, Tyler Hamby, Carlo P. Sacdalan, Pasiri Sithinamsuwan, Suteeraporn Pinyakorn, Varaporn Unomsont, Somchai Sriplienchan, Nittaya Phanuphak, Robert Paul, Phillip Chan, Sandhya Vasan, Lydie Trautmann, Serena Spudich, for RV254/SEARCH010

Post-COVID Conditions Following COVID-19 Vaccination: A Matched Analysis of Patients With SARS-CoV-2
Deborah E. Malden, In-Lu Amy Liu, Lei Qian, Lina S. Sy, Bruno J. Lewin, Dawn T. Asamura, Denison S. Ryan, Cassandra Bezi, Sharon Saydah, Sara Y. Tartof, for the Vaccine Safety Datalink Team

COVID-19 Vaccine Protection Against Long COVID: A Population-Based Cohort Study
Xueying Yang, Ziang Liu, Jiajia Zhang, Bankole Olatosi, Sharon Weissman, Xiaoming Li

Sexual Minority Adults Experienced More Severe and Longer COVID-19 Symptoms Than Heterosexual Adults
Xinyi Li, Jincong Q. Freeman, Yijin Xiang, Yong G. Lee, Victoria Umutoni

Persistence of Anxiety and Depression in US Adults by COVID-19 Vaccination Status, 2020-2023
Yanhan Shen, Kate Penrose, McKaylee Robertson, Rachael Pilitch-Loeb, Sasha Fleary, Sarah Kulkarni, Chloe Teasdale, William You, Subha Balasubramanian, Surabhi Yadav, Bai Xi Jasmine Chan, Milton L. Wainberg, Scott Ratzan, Denis Nash, Angela Parcesepe

Predictors of Long COVID in Adults With Untreated Mild-To-Moderate COVID-19
Teresa H. Evering, Pooja T. Saha, Carlee Moser, Nikolaus Jilg, Rachel A. Bender Ignacio, Prasanna Jagannathan, Katya Corado, Kevin Wongsodirjo, Justin Ritz, Jonathan Z. Li, Davey M. Smith, Michael D. Hughes, Judith S. Currier, Cara W. Chew, for the ACTIV-2/A5401 Study Team

Long COVID in Children Is Associated With Lower Anti-RBD IgG/IgA and Neutralizing Antibody Levels
Jon Izquierdo-Pujol, Sara Morón-López, Núria Pedreño, Tetyana Pidkova, Victor Urrea, Judith Dalmau, Alba Gonzalez-Aumatell, Clara Carreras-Abad, María Mendez, Carlos Rodrigo, Julià Blanco, Jorge Carrillo, Benjamin Trinité, Javier Martinez-Picado
Characterization of Circulating Biomarkers Levels in Participants With Long COVID
Ninon Marmont, Alejandro Garcia Leon, Grace Kenny, Colette Gaillard, Eoghan de Barra, Eoin Feeney, Stefano Savinelli, Mary Horgan, Obada Yousif, Aoife G. Cotter, Patrick Mallon

Relationship Between Serum Cortisol Level and Long COVID Symptoms in Post-Acute COVID-19
Thomas Dalhuisen, Joshua Hauser, Scott Lu, Lucas Kallás Silva, Rebecca Hoh, Steven G. Deeks, J. D. Kelly, Jeffrey Martin, Peter W. Hunt, Elizabeth Murphy, Timothy J. Henrich, Morrie Schambelan, Michael J. Peluso, for the LIINC Study Team

Association of Long COVID With Health-Related Quality-of-Life Outcomes
Malini M. Gandhi, Carlee Moser, Judith S. Currier, Justin Ritz, Joseph J. Eron, Eric Daar, David Wohl, William Fischer, Upinder Singh, Michael D. Hughes, Davey M. Smith, Teresa H. Evenig, Kara W. Chew, for the ACTIV-2/A5401 Study Team

Estimating Optimal Anti-TB Drug Concentrations in a Prospective, Observational Cohort in Brazil
Gustavo Amorim, David W. Haas, Marina C. Figueiredo, Cody Staats, Marcelo Cordeiro-Santos, Afrânio L. Kritski, Brian C. Hachey, Bruno B. Andrade, Timothy R. Sterling, Valeria C. Rolla, for the RePORT-Brazil Consortia

Pharmacogenetic Associations With HIV-1 Virologic Suppression Among Patients with TB/HIV in Brazil
Felipe Ridolfi, Gustavo Amorim, David W. Haas, Maria B. Arriaga, Cody Staats, Marcelo Cordeiro-Santos, Afrânio L. Kritski, Marina C. Figueiredo, Bruno B. Andrade, Timothy R. Sterling, Valeria C. Rolla

Pharmacokinetics of Isoniazid Metabolites During Pregnancy and Postpartum
Brandon Klein, Zixuan Wei, David Nerguizian, Amita Gupta, Adriana Weinberg, Grace Montepiedra, Mary Morrow, Samantha MaWhinney, Philippa Musoke, Linda Aurpibul, Gaerolwe Masheto, Farah Abdelmawla, Lane Bushman, Peter L. Anderson, Kristina M. Brooks

Testicular Safety of a Pretomanid Regimen (BPaMZ) in Men With Pulmonary Drug-Resistant Tuberculosis
Pauline Howell, Francesca Conradie, William Brumskine, Lali Mikiashvili, Joanna Moreira, Antonio Lombardi, Alda Holsta, Matthew Betteridge, Paul Bruinenberg, Maria Beumont, Eugene Sun

Cardiac Involvement in Tuberculosis Patients at the Start and End of Treatment in Southern Africa
Daryoush Samim, Guy Muula, Douglas Chibomba, Sihle Xulu, Nicolas Banholzer, Stefano De Marchi, Gnar Gunther, Denise Evans, Carolyn Bolton, Matthias Egger, Thomas Pilgrim, Lukas Fenner, for leDEA Southern Africa (leDEA-SA)
Efficacy and Safety of endTB Regimens for Fluoroquinolone-Susceptible RR-TB in People With HIV
Gustavo E. Velásquez, M. Gouillou, E. Berikova, M. Bonnet, N. Lachenal, L. Lecca, L. Oyewusi, Michael L. Rich, Naseem Salahuddin, Kwonjune J. Seung, Sean Wasserman, Francis Varaine, Lorenzo Guglielmetti, Carole D. Mitnick, for the endTB Clinical Trial Group

Changes in Physical and Mental Health Among TB Patients During Treatment in Southern Africa
Nicolas Banholzer, Guy Muula, Denise Evans, Jacqueline Huwa, Idiovino Rafael, Cordelia Kunzekwenyika, Ballif Marie Ballif, Gnar Gunther, Matthias Egger, Lukas Fenner, for IeDEA Southern Africa (IeDEA-SA)

Cryptococcal Meningitis as an Indicator for Monitoring HIV Treatment Program Success in Botswana
James Milburn, Ookeditse Ntwayagae, Rachita Suresh, Kebatshabile Ngoni, Tony Chebani, Tshepo B. Leeme, David S. Lawrence, Daniel Grint, Mark W. Tenforde, Ava Avalos, Dinah Ramaabya, Justus Ogando, Margaret Mokomane, Madisa Mine, Joseph N. Jarvis

Effect of Smoking on Longitudinal Interferon-γ Release Assay Results Among Tuberculosis Contacts
Maria B. Arriaga, Gustavo Amorim

Viral Suppression Among Adults Receiving Dolutegravir-Based ART and 3-Months Isoniazid-Rifapentine
Lelia H. Chaisson, Shafic Makumbi, David Dowdy, Carina Marquez, Derek T. Armstrong, Bishop Opira, Patrick P. Phillips, Fred C. Semitala, Christina Yoon

Outcomes of Adults With HIV Receiving TB Preventive Therapy in Kampala, Uganda
Elise Dressel, Fred C. Semitala, Shafic Makumbi, Bishop Opira, Patrick P. Phillips, David Dowdy, Lelia H. Chaisson, Christina Yoon

Long-Acting Injectable Rifapentine With Activity in a Mouse Model of Tuberculosis Preventive Therapy
Henry Pertinez, Nicole C. Ammerman, Si Yang Li, Jonathan Massam, James J. Hobson, Alison C. Savage, Joanne Sharp, Joanne Herriott, Edyta Kijak, Eduardo Gallardo-Toledo, Megan Neary, Steve Rannard, Susan Swindells, Andrew Owen, Eric Nuermberger

One-Dose Efficacy of Long-Acting Injectable Diaryquinoline in Mouse Model of TB Preventive Therapy
James J. Hobson, Si Yang Li, Nicole C. Ammerman, Jonathan Massam, Joanne Sharp, Nader Fotouhi, Steve Rannard, Andrew Owen, Eric Nuermberger
Poster Session-N3 | Immunologic Risk and Immune Activation in Tuberculosis and Other Opportunistic Infections
2:30 PM - 4:00 PM - Poster Hall C-D

882 NIS

Single Cell Transcriptomics Reveals Depletion of TB-Specific Th1 and Th17 Cells After HIV Infection
Rachel A. Pearson, Krista N. Krish, Wendy Whatney, Walter Jaoko, Kishor Mandalaya, Julie Overbaugh, Susan M. Graham, R. Scott McClelland, Sakeenah Hicks, Jeffrey Maurer, Christopher D. Scharer, Cheryl L. Day

Monocyte Activation in Persons With HIV and Latent TB Co-Infection in the ACTG A5279/BRIEF TB Trial

Persistence of PD-1+ Mtb-Specific CD4+ T Cells Is Associated With CAD During and After TB Treatment
Manuel G. Feria Garzon, Eduardo Ticona, Cecilia Chang, Wendy Guevara, Anissa Moussa, Alberto La Rosa, Javier R. Lama, Claire A. Chougnet, Moises A. Huaman

Poster Session-O4 | Maternal Mental Health and HIV
2:30 PM - 4:00 PM - Poster Hall C-D

920

A Multicomponent Intervention Improves Disclosure and ART Adherence for Pregnant/Postpartum Women
Jane Kabami, Laura B. Balzer, Faith Kagoya, Jaffer Okiring, Joanita Nangendo, Emmanuel Ruhamyankaka, Peter Ssebutinde, Elizabeth Arinitwe, Michael Ayebare, Stella Kabageni, Anne R. Katahoire, Moses R. Kamya, Philippa Musoke, for the ENHANCED-SPS Study Team

921

High Prevalence of Depression and Anxiety in Women Without HIV and Women With HIV on DTG-ART
Kebaiphe Moabi, Gloria K. Mayondi, Allison LeMahieu, Paige L. Williams, Naledi Kamanga, Ame Diphoko, Kathleen M. Powis, Gaerolwe Mashaeto, Dinah Ramaabya, Francis Banda, Alexander C. Tsai, Betsy Kammerer, Adam R. Cassidy, Shahin Lockman

922 NIS

Dolutegravir Versus Efavirenz: Depression, Anxiety, and Sleep Disorders in Pregnancy and Postpartum
Lena van der Wekken-Pas, Sylvia Nasiwi, Thokozile R. Malaba, Mohammed Lamorde, Landon Myer, Catriona Waitt, Helen Reynolds, Saye Khoo, Nengjie He, Elisabeth van Leeuwen, Duolao Wang, David Burger, Angela Colbers, for the DolPHIN-2 Study Group

923 NIS

Maternal Mental Health and Referral Outcomes Among Women Living With and Without HIV in Botswana
Queen M. Balina, Sara R. Schenkkel, Gosego Masasa, Samuel W. Kgole, Boitshepo Phale, Martha Ngwaca, Kathleen M. Powis
**Poster Session-O5 | Understanding Breastmilk, HIV, and Antiretrovirals**

**2:30 PM - 4:00 PM • Poster Hall C-D**

- **924** Metabolomic Perturbations of Tryptophan & Arginine Metabolites in the Breast Milk of Women With HIV
  
  Nicole H. Tobin, Fan Li, Kathie G. Ferbas, John W. Sleasman, Louise Kuhn, Grace M. Aldrovandi

- **925** Breast Milk Transfer and Infant Exposures to DTG, TAF, and TFV: Results From IMPAACT 2010/VESTED
  
  Tk Nguyen, Jung-Woo Chae, Lauren Ziemba, Anne Coletti, Kevin Knowles, Benjamin Johnston, Patrick Jean-Philippe, Tsungai Mhembre, Tariro Chawana, Deo Wabwire, Violet Korutaro, Shahin Lockman, Lameck Chinula, Jeremiah Momper, for the IMPAACT 2010/VESTED Protocol Team

- **926** 1077BF: Breast Milk Reservoir, Tenofovir Levels, and HIV Transmission Among Breastfeeding Mothers
  
  Maxensia Owor, Patricia DeMarrais, Kristin Baltrusaitis, Lisa Frenkel, Brookie Best, Lynda Stranix-Chibanda, Dhayendre Moodley, Avy Violari, Brenda Kakayi, Mary G. Fowler, for the PROMISE 1077 Study Team

- **927** Could This Be Cell-Associated Perinatal HIV Transmission?
  
  Beatrice Cockbain, Caroline Foster, Paula Seery, David Hawkins, Marta Boffito, Graham P. Taylor, Hermione Lyall

---

**Poster Session-P3 | Exploring the Pediatric Reservoir**

**2:30 PM - 4:00 PM • Poster Hall C-D**

- **951** Expanded Cytotoxic T-Lymphocytes and NK Cell Subsets in Infants With Perinatal HIV
  
  Akshay Iyer, Lesley de Armas, Vinh B. Dinh, Rajendra Pahwa, Suresh Pallikkuth, Paula Vaz, Maria Grazia Lain, Savita Pahwa

- **952** Distinct Populations of HIV-Infected Naive and Memory CD4+ T-Cell Clones in Children on ART
  
  Victoria Neer, Mary Grace Katusiime, Shuang Guo, Sean Patro, Wenjie Wang, Xiaolin Wu, Anna Horner, Ann Chahroudi, Jason W. Rausch, Maud Mavigner, Mary F. Kearney

- **953** Persistent Viremia With vpr/tat-Deleted HIV and No T-Cell Responses to HLA-Predicted HIV Peptides
  
  Alyssa R. Oldroyd, Mariam Aziz, Sheila Styrchak, Lennie Chen, Wenjie Deng, Melanie Gasper, Marley Bishop, Cooper James, Madelyn Shapiro, Ewelina Kosmider, Judith A. Guzman-Cotrill, Farah Cassis-Ghavami, James Mullins, Lisa Frenkel, Ana Gervassi
Poster Sessions

Poster Session-Q1 | Hazards Ahead: The Intersection of HIV and Substance Use
2:30 PM - 4:00 PM • Poster Hall C-D

954

Proviral Landscape in Neonates With In Utero HIV-1 on Very Early ART in IMPAACT P1115

955

CMV Coinfection Drives T-Cell Differentiation but Not Reservoir Size Among Children With HIV
Yves Fougère, Jason Brophy, Ari Bitnun, Michael T. Hawkes, Lindy Samson, Mi-Suk Kang Dufour, Christian Renaud, Stanley Read, Hinatae K. Dieumegard, Madeleine Aby Diallo, Jade Canape, Soren Gantt, Hugo Soudeyns, Fatima Kakkar

956

Reservoir Size and Dynamics by Age at Virologic Suppression and Sex in Youth With Perinatal HIV-1
Priya R. Khetan, Wendy Yu, Kunjal Patel, Joseph Szewczyk, Adit Dhummakupt, Sandra Burchett, Russell Van Dyke, Deborah Persaud, for the Pediatric HIV/AIDS Cohort Study (PHACS)

957

Latency Reversal Effects of TLR7 Agonist and HDACi in Long-Standing Perinatal HIV-1 Infection

958

Predictive Markers for Sustained Viral Suppression on Dual bNAbS During ART Interruption in Children

995

Prescription Opioid Use and Disorder Among Older Adults With HIV in the US From 2008-2019
Stephanie Shiau, Fabrizio Drago, Kylie Getz, Greta Bushnell, Hillary Samples, Alexis Bender, Laura Bennett, Perry N. Halkitis, Tobias Gerhard, Jason A. Roy, Silvia S. Martins, Michael T. Yin, Stephen Crystal

996

The Impact of the COVID-19 Pandemic on Substance Use Disorder Risk Among People With HIV in the US
Jennifer P. Jain, Nadra E. Lisha, Carlos Moreira, David V. Glidden, Greer Burkholder, Heidi M. Crane, Jeffrey Jacobson, Edward Cachay, Kenneth H. Mayer, Sonia Napravnik, Richard D. Moore, Mallory Johnson, Katerina Christopoulos, Monica Gandhi, Matthew A. Spinelli

997

The Opioid Use Disorder Care Cascade for PWH Experiencing Homelessness in Low-Barrier HIV Care
Ayesha Appa, Gabriela Steiner, Matt Hickey, Elizabeth Imbert, Caycee Cullen, John Friend, Rodrigo Avila, Joi Jackson, Pierre-Cedric Crouch, Jon Oskarsson, Francis Mayorga-Munoz, Janet Grochowski, Monica Gandhi

CROI 2024
998 Validation of a Cumulative Substance Use Biomarker Improves Methamphetamine Use Detection in PWH
Ayesha Appa, Marjan Javanbakht, Rachel Bolanos, Hideaki Okochi, Karen Kuncze, Alexander Louie, Matthew A. Spinelli, Pamina Gorbach, Monica Gandhi

999 Trends and Correlates of Methamphetamine Use Among Men Who Have Sex With Men in the US, 2014-2021
Michael P. Barry, Benjamin Meana, Sara N. Glick, David Katz, Travis H. Sanchez, Matthew Golden, Steven M. Goodreau

1000 Association Between Substance Use Disorder and Sustained Viral Suppression Among People With HIV
Buwei He, Shujie Chen, Jiajia Zhang, Xueying Yang, Bankole Olatosi, Sharon Weissman, Xiaoming Li

1001 Hazardous Alcohol Use Predicts Detectable Viremia Among Ugandan Women: A Prospective Analysis
Amanda P. Miller, Rhoda K. Wanyenze, Rose Naijino, Michael Ediau, Seth C. Kalichman, Nicolas A. Menzies, Mose H. Bateganya, Susan M. Kiene

1002 Biomarker Measure Strengthens Alcohol Use Association With HIV Viral Non-Suppression in PWH on ART
Cristina Espinosa da Silva, Robin Fatch, Winnie Muyindeke, Evgeny Krupitsky, Nneka Emenyonyo, Sarah Puryear, Aaron Scheffler, Kaku So-Armah, Gabriel Chambie, Brian Beesiga, Karin Marson, Frank Palella, Phyllis Tien, Judith Hahn, for the MACS WIHS Combined Cohort Study / Intl URBAN Alcohol Research Collaboration on HIV/AIDS Center

1003 Associations of Alcohol Consumption With Long-Term Mortality of ART-Naive Persons Seeking HIV Care
Daniel Fuster, Paola Zuluaga, Enric Abelló-Deulofeu, Laura Bermejo, Santiago Moreno, Lucio J. García-Fraile, Jose Antonio Irbarren, Cristina Moreno, Ines Suarez-Garcia, David Vinuesa, Vicente Estrada, Julían Olalla-Sierra, Juan Macías, Inma Jarrín, Robert Muga

1004 Pre-Pandemic Patterns of Cannabis Use Among Women With HIV in the United States
Richard J. Wang, Brooke Bullington, Phyllis Tien, Bhatt Surya, M. Bradley Drummond, Gypsymber D’Souza, Robert Foronjy, Antonina Foster, Deepa Lazarous, Anjali Sharma, Kathleen Weber, Deborah Jones Weiss, Danielle F. Haley, Andrew Edmonds

1005 Incarceration, Drug Use, and HIV: Optimizing Services for Women Who Use Drugs in Tanzania
Kaitlyn Atkins, Haneefa T. Saleem

1006 Differences in Healthcare Access Among Persons Who Inject Drugs by Medicaid Expansion Policy, 2022
Amy R. Baugh, Rashunda Lewis, Larshie Sutter, Maya Haynes, Cyprian Wejnert

1007 Unmet Need for Medication for Opioid Use Disorder Before and After the COVID-19 Pandemic
Jacklynn De Leon, Anna Teplinskaya, Dafna Kanny, Senad Handanagic, Dita Broz, Teresa Finlayson, Cyprian Wejnert, for the NHBS Study Group
<table>
<thead>
<tr>
<th>Poster Session-Q2</th>
<th>HIV Transmission Among People Who Use Drugs</th>
</tr>
</thead>
<tbody>
<tr>
<td>2:30 PM - 4:00 PM • Poster Hall C-D</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Session</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>1008</td>
<td>HIV Prevention Service Use Among PWID in Washington, DC, Pre- and Post-COVID Pandemic Eras</td>
</tr>
<tr>
<td></td>
<td>Xinyi Li, Sydney Bornstein, Manya Magnus, Kate Drezner, Brittani Saafir-Callaway, Alan Greenberg, Hannah Latif, Irene Kuo</td>
</tr>
<tr>
<td></td>
<td>Johanna Chapin-Bardales, Dita Broz, Patrick Eustaquio, Jonathan Feelemyer, Teresa Finlayson, Savannah Harris, Cyprian Wejnert, for the NHBS Study Group</td>
</tr>
<tr>
<td>1010</td>
<td>Changes in PrEP Awareness Among Men Who Have Sex With Men and PWID: 19 US Cities, 2018 and 2022</td>
</tr>
<tr>
<td></td>
<td>Patrick Eustaquio, Janet Burnett, Ruthanne Marcus, Joseph Prejean, Johanna Chapin-Bardales, Susan Cha, for the National HIV Behavioral Surveillance Study Group</td>
</tr>
<tr>
<td>1011</td>
<td>RDS Network Size Among People Who Inject Drugs in Kenya as a Predictor of HIV and HCV Positivity</td>
</tr>
<tr>
<td></td>
<td>Matthew Akiyama, Amirhossein Alvandi, Krista Gile, Yun Jiang, Lindsey Riback, Mercy Nyaokowa, Jebet Boit, Rose Wafuila, Nazila Ganatra</td>
</tr>
<tr>
<td>1012</td>
<td>HIV Incidence &amp; Changes in Network Structure Among PWID in New Delhi Following the COVID-19 Pandemic</td>
</tr>
<tr>
<td></td>
<td>Steven J. Clipman, Shruti Mehta, Aylur K Srikrishnan, Katie Zook, Shobha Mohapatra, Muniratnam S. Kumar, Gregory M. Lucas, Carl Latkin, Sunil Suhas Solomon</td>
</tr>
<tr>
<td>1013</td>
<td>Spatial Clustering of HIV Viremia Among People Who Inject Drugs (PWID) in India</td>
</tr>
<tr>
<td>1014</td>
<td>HIV-1 Transmission Dynamics Among People Who Inject Drugs on the US/Mexico Border Amid COVID-19</td>
</tr>
<tr>
<td></td>
<td>Britt Skaathun, Steffanie Stratthdee, Cho-Hee Shrader, Carrie Nacht, Annick Borquez, Irina Artamonova, Alicia Harvey-Vera, Carlos Vera, Gudelia Rangel, Caroline Ignacio, Brendon Woodworth, Antoine Chaillon, Tetyana Vasylyeva</td>
</tr>
<tr>
<td>1015</td>
<td>HIV-1 Outbreak Among PWID in Thessaloniki: Recent Expansion in the Midst of COVID-19 Pandemic</td>
</tr>
</tbody>
</table>
**Poster Session-R2 | Partner Network Testing**
2:30 PM - 4:00 PM • Poster Hall C-D

1093 NIS
**HIV Outcomes Among Partners Reached by Phone vs In-Person for Assisted Partner Services in Kenya**
Unmesha Roy Paladhi, Edward Karithi, George Otieno, James P. Hughes, Harison Lagat, Monisha Sharma, Sarah Masyuko, Paul Macharia, Rose Bosire, Mary Mugambi, Carey Farquhar, David Katz

1094 WITHDRAWN

1095 NIS
**Community Network Driven COVID-19 Testing of Vulnerable Populations in the Central US: A RADx-UP RCT**
En-Ling Wu, Xiaquan Zhao, Makenna Meyer, Ellen Almirol, Gjvar Payne, Kavita Bhavan, Nickolas Zaller, Jerome Montgomery, Anna Hotton, Russell Brewer, Michelle Johns, Matthew Aalsma, Amelia Knopf, Faye Taxman, John Schneider, for the C3 Investigators

1096 NIS
**Targeting Key Populations With HIV Testing Services in Emergency Care in Nairobi, Kenya**
Joshua Smith-Sreen, Beatrice Ngila, John W. Maina, Sankei Pirirei, John Kinuthia, David Bukusi, Harriet Waweru, Rose Bosire, Daniel Ojuka, David Katz, Carey Farquhar, Michael Mello, Adam Aluisio

**Poster Session-S1 | Long-Acting Injectable PrEP: Implementation and Clinical Insights**
2:30 PM - 4:00 PM • Poster Hall C-D

1107
**First Case of HIV Seroconversion With Emergence of InSTI Resistance on CAB-LA PrEP in Routine Care**
Catherine A. Koss, Monica Gandhi, Elias K. Halvas, Hideaki Okochi, Carolyn Chu, David V. Glidden, Lisa Geogetti Gomez, Amy L. Heaps, Amy A. Conroy, Michael Tran, Bhavna Chohan, James Ayieko, John W. Mellors, Urvi M. Parikh, for SeroPrEP Study Team

1108
**Implementing Long-Acting Cabotegravir for HIV Preexposure Prophylaxis in a Large Urban HIV Clinic**
Christian Turner, Gabriel Wagner, Allan Pfeil, Aaron Willcott, Tyler Lonergan, Lucas Hill, Jill Blumenthal

1109
**Preexposure Prophylaxis With Cabotegravir Long-Acting Injectable in the OPERA Cohort**

1110
**Real-World Use of Cabotegravir Long-Acting for Preexposure Prophylaxis: Trio Health Cohort**
A Matter of Time: Factors Associated With Delayed nPEP Initiation
Nicholas Brian Bana, Massimo Puoti, Chiara Baiguera, Alessandro Raimondi, Leonardo Rezzonico, Francesco Peracchi, Cristina Moioli, Leonardo Chianura, Giovanna Travi, Carloandra Orcese, Fulvio Crippa, Carlotta Rogati, Marta Vecchi, Marco Merli, Roberto Rossotti

Mary R. Tanner, Wei Wei, Weiming Zhu, Ya-Lin A. Huang, Jesse G. O'Shea, Athena Kourtis, Karen W. Hoover

Efficacy of Long-Acting Cabotegravir and Rilpivirine for PEP in a Macaque Model of RT SHIV Infection
Priya Srinivasan, Jining Zhang, Tiancheng Edwards, Chuong Dinh, Ayanna Green, Dawn Little, Maria Mendoza, Yi Pan, Frank Deyoumks, Ryan Johnson, Athena Kourtis, Walid Heneine, Gerardo Garcia-Lerma, James Smith

PrEP Following PEP: An Effective HIV Risk-Reduction Strategy
Gary Whitlock, Courtney Taylor, Lucy Turner, Holly Thompson

BIC/FTC/TAF as HIV PEP Was Well-Tolerated With High Adherence and No Seroconversions
Darrell H. S. Tan, Reva Persaud, Attia Qamar, Isaac I. Bogoch, Arlene Chan, Allison Chris, Karla Fisher, Richard T. Lester, John Maxwell, James Murray, Hong Qian, Hubert Wong

Uptake and Predictors of PEP Uptake in the SEARCH Dynamic Choice HIV Prevention Trials
James Ayieko, Laura B. Balzer, Elijah Kakande, Jane Kabami, Collette Aoko, Gabriel Chamie, Catherine A. Koss, Elizabeth Bukusi, Moses R. Kamya, Maya L. Petersen, Diane Havlir

Gaps in Sexual and Reproductive Health Care Among Cisgender Women With Diagnosed HIV
Sharoda Dasgupta, Stacy Crim, John Weiser, Angela Blackwell, Jen-Feng Lu, Margaret Lampe, Ada Dieke, Robyn N. Fanfair

Genital and Extragential Sexually Transmitted Infections Among Reproductive Age Women in Southern US
Nicholas F. Nogueira, Paola Beato Fernandez, Yue Pan, Ana Salazar, Maria G. Rodriguez, Gray Kelsey, Patricia Del Carmen Raccamarch, Daniel Westreich, Seble Kassaye, Elizabeth F. Topper, Aadia Rana, Deborah Konkle-Parker, Deborah Jones Weiss, Anandi N. Sheth, Maria L. Alcaide
1165  Prevalence and Risk Factors Associated With HPV Infections Among Women with HIV Women in Meru, Kenya
Celestine K. Nyamari, Anthony Kebira, Frank Onyambu

1166  One-Dose HPV Vaccine Durability in a Moderate HIV Prevalence Setting: Mathematical Modeling Analyses
Christine L. Hathaway, Grace Umutesi, Jesse A. Heitner, Rachel Jackson, Christine Wangeci, Wesley Mugambi, Lydiah Khalayi, Valerian Mwenda, Lynda M. Oluoch, Mary Nyangasi, Rose E. Jalang’o, Nelly R. Mugo, Ruanne V. Barnabas

Kevin Martin, Chido Dziva Chikwari, Ethel Daunya, Constance R. Mackworth-Young, Joseph D. Tucker, Victoria Simms, Tsitsi Bandason, Francis Ndowa, Leolin Katsidzira, Owen Mugurungi, Anna Machiha, Michael Marks, Katharina Kranzer, Rashida A. Ferrand

1168  Genital Immune Correlates of Prevalent and Incident Herpes Simplex Virus 2 (HSV-2) Infection
Suji Udayakumar, James Pollock, Sanja Huibner, Mary Kung’u, Rhoda Kabuti, Erastus Irungu, Pauline Ngurukiri, Peter Muthoga, Wendy Adhiambo, Helen Weiss, Janet Seeley, Tara Beattie, Joshua Kimani, Rupert Kaul, for the Maisha Fiti Study Champions

Poster Session-T4 | Sexually Transmitted Infections in Key Populations
2:30 PM - 4:00 PM • Poster Hall C-D

1169  HIV and STIs in US Bisexual Men and Gay Men: Clinical Implications and Service Needs
Thomas Carpino, Kaitlyn Atkins, Cristian S. Acero, Iaah Lucas, Hector Moran, Sarah Murray, Travis H. Sanchez, Stefan Baral

1170  Relevance of Asymptomatic STIs in a High-Risk Population of MSM Undergoing Periodic Screening
Rosario Palacios, Cristina Gómez-Ayerbe, María López-Jódar, Isabel A. Pérez-Hernández, Isabel Viciana, Marina Villalobos, Victoria García, Jesús Santos

1171  Lymphogranuloma Venereum Among Men Who Have Sex With Men: 7 Versus 21 Days Doxycycline Effectiveness
Angelo Roberto Raccagni, Alessia Siribelli, Sara Diotallevi, Michela Sampaolo, Nicola Clementi, Riccardo Lolatto, Roberto Burioni, Antonella Castagna, Silvia Nozza

1172  Low Prevalence of Sexually Transmitted Infections Among Adolescents and Young Adults Living With HIV
Lynda M. Oluoch, Paul Mwangi, Jane Gacheru, Irene Njeru, Kenneth Ngure, Linda Eckert, Denise A. Galloway, Anna Wald, Ruanne V. Barnabas, Nelly R. Mugo
1177 Charting Achievable Milestones for HIV Care Enhancement and Prevention in the US Through 2035
Melissa Schnure, Parastu Kasaie, David Dowdy, Maunank Shah, Emily Kendall, Anthony Fojo

1178 Evolving Trends in Early ART Initiation in South Africa: An Analysis of Integrated HIV Program Data
Dorina Onoya, Khumbo Shumba, Cornelius Nattey, Dickman Gareta, Evelyn Lauren, William MacLeod, Koleka Mlisana, Jacob Bor, Matthew P. Fox

1179 Routine Collection of Patient-Reported Outcomes in HIV Clinics: Findings After >100,000 Assessments

1180 Ending the HIV Epidemic in Atlanta: A Mixed-Methods Study to Support the Local HIV/AIDS Response
Micah Piske, Bohdan Nosyk, Justin C. Smith, Bianca Yeung, Benjamin Enns, Xiao Zang, Patrick S. Sullivan, Wendy S. Armstrong, Melanie Thompson, Gaea Daniel, Carlos del Rio

1181 Barriers of Early Enrollment and Rapid ART Initiation Among US HIV Care Facilities
Jesse G. O’Shea, Xin A. Yuan, Jen-Feng Lu, Kate Buchacz, Kashif Iqbal, Marie E. Johnston, Linda Beer, John Weiser

1182 Strategic Advice and Expert Procurement Accelerates the Optimization to DTG in the Americas
Omar M. Sued, Nora Giron, Kemel Hallar, Monica Alonso, Ruben Mayorga, Christopher Lim

1183 Evaluating Barriers to Care Among Adults With HIV Who Are Virally Unsuppressed in Philadelphia
Ngwi Tayong, Tanner Nassau, Kathleen Brady

1184 Novel Post-Hospitalization Care Model Decreases Mortality in People With HIV in Zambia: Pilot Study
Cassidy W. Claassen, Chiti Bwalya, Morley Mujansi, Linah Mwango, Kirsten Stoebenau, Caitlin Baumhart, Godfrey Muchanga, Brianna Lindsay, Mundia Mwitumwa, Nyuma Mbewe, Wilbroad Mutale, Michael Vinikoor

1185 The HIV Care Cascade in Medicaid, 2001-2015
Jacqueline E. Rudolph, Keri Calkins, Corinne E. Joshu, Bryan Lau
Prevalence and Predictors of Advanced Disease Among People Living With HIV in Masaka Region, Uganda

Met and Unmet Health and Welfare Services Needs Amongst People With HIV in the UK
Anne Williamson, Fiona Lampe, Adamma Aghaizu, Annegret Pelchen-Matthews, Alex Sparrowhawk, Janey Sewell, Clare Humphreys, Alison Rodger, Meaghan Kall, Colette Smith, for the PV2022 Study Group

Junine Toy, Raquel M. Espinoza, Jason Trigg, Tian Shen, Paul Sereda, Erin Ready, Viviane Dias Lima, Rolando Barrios, Julio Montaner

Community and Facility-Based PrEP Uptake and Adherence Among People Who Use Drugs in Uganda
Joseph Kibuuka, Patricia M. Smith, Timothy Muwonge, Peter Mudiope, Liz Komuhangi, Ritah Kansiime, Tara Wood, Florence Nambi, Mai Nakitende, Lyllanne Nakabugo, Herbert Kadama, Peter Kyambadde, Sara N. Glick, Andrew Mjungu, Renee Heffron

Modeling the Potential Impact of Scaling Up Event-Driven PrEP Among Gay, Bisexual, and Other MSM
Christina Chandra, Kevin Maloney, Karen W. Hoover, Samuel M. Jenness

PrEP Persistence and Ongoing HIV Risk Among Patients Initiating PrEP at an Urban Malawi STI Clinic
Sarah E. Rutstein, Jane Chen, Esther Mathiya, Griffin J. Bell, Beatrice Ndala, Tapiwa Munthali, Naomi Nyirenda, Naomi Bonongwe, Claire Pedersen, Edward Jere, Mina Hosseinipour, Zakailah Mpande, Irving F. Hoffman, Mitch Matoga, for the ePrEP study team

PrEP Knowledge and Use: Results From the Zambia Population-Based HIV Impact Assessment 2021
Nzali G. Rancheya, Brian Muyunda, Omega Chituwo, Megumi Itoh, Bupe Musonda, Mumbi Chola, Megan Bronson

Sexual Health Outcomes Among Daily and On-Demand Oral PrEP Users in China
Chunyan Li, Zhuoheng Yin, Weiming Tang, Songjie Wu, Quanmin Li, Yifan Dai, Chengxin Fan, Ke Liang, Linghua Li, Wu Sun, Joseph D. Tucker, Haojie Huang, Jonathan Lio, Aniruddha Hazra, Renslow Sherer
1194  **HIV Recency Surveillance Improves PrEP Uptake: Evaluation With Synthetic Controls**  
*Sara Wallach, Matthew R. Lamb, Claire Steiner, Eugenie Poirot, Samkelo Simelane, Dumile Sibandze, Vusie Lokotfwa, Aisha Pasha, Harriet Nuwagaba-Biribonwoha, Yen T. Duong, Melissa Arons, Munyaradzi Pasipamire, Suzue Saito, Lenhle Dube*

1195  **Expanding Event-Driven PrEP to People Assigned Male at Birth Across 3 African Countries**  
*Lirica Nishimoto, Augustine Amedzi, Makhosazana Matsebula, Bhekizitha Sithole, Rachel Lyimo, Huckins Reeves, Gertrude Nnunoo, Ncamsile Dlamini, Gift Kamanga, Michael Odo, Nana Fosua Clement, Tiffiny Lillie, Christa Fischer-Walker, Chris Akolo*

1196  **HIV Risk Factors and PrEP and Contraceptive Use Among Women Seeking Postabortal Care in Kenya**  
*Lavender A. June, Felix Mogaka, Torin T. Schaafsma, Katherine K. Thomas, Josephine Odoyo, Bernard Nyerere, Lydia Etyang, Margaret Mwangi, Nelly R. Mugo, Elizabeth Bukusi, Renee Heffron*

1197  **High Individual- and Community-Level Variability in Male Circumcision Coverage in Rakia, Uganda**  
*Hadijja Nakawooya, Mary Kate Grabowski, Victor Ssempiija, Robert Ssekubugu, Anthony Ndyanabo, Joseph Kagaayi, Arthur G. Fitzmaurice, Ping T. Yeh, Larry W. Chang, Aaron A. R. Tobian, Ronald H. Gray, Maria J. Wawer, David Serwadda, Steven J. Reynolds, Godfrey Kigozi*
Targeting Tat-Dependent Transcriptional Rewiring to Manipulate HIV Latency
William Cisneros, Shimaa Soliman, Miriam Walter, Eun-Young Kim, Ali Shilatifard, Steven M. Wolinsky, Judd F. Hultquist

Impact of HIV-1 TAR Sequence Diversity on Its RNA Secondary Structure in HIV-1 DNA Genomes

Crosstalk Between Resistance to the HIV-1 Capsid Inhibitor Lenacapavir and Viral Fitness
Binh Nguyen, Alex Kleinpeter, Eric O. Freed

Identification of a New Class of Capsid-Targeting Inhibitors That Specifically Block Nuclear Import
Aude Boulay, Emmanuel Quevarec, Isabelle Malet, GiuseppeNicastro, Valerie Courgnaud, Yves L. Janin, Ian A. Taylor, Anne-Genevieve Marcin, Laurent Chaloin, Nathalie J. Arhel

Impact of Capsid Polymorphisms on Viral Fitness and the Susceptibility to Lenacapavir
Derek Hansen, Silvia Chang, Stephen Yant, Ross Martin, Thomas Aeschbacher, Arthur Cai, Jason Perry

Massive Endocytosis Mechanisms are Involved in CD169-Mediated Uptake of HIV-1 by Dendritic Cells.
Fernando Laguía-Nueda, Jakub Chojnacki, Itziar Erkizia, Elena Rebollo, Carlos Enrich, Maria Isabel Geli, Javier Martinez-Picado, Patricia Resa-Infante

Antagonism of Viral Glycoproteins by Guanylate Binding Protein 5
Hana Veler, Geraldine V. Vilmen, Abdul A. Waheed, Cheng Man Lun, Eric O. Freed

Retinoic Acid Blunts the Aryl Hydrocarbon Receptor/SAMHD1-Dependent HIV-1 Restriction in Macrophages
Ramon Edwin Caballero, Jonathan Dias, Jean-Philippe Goulet, Jean-Pierre Routy, Andrew Moulard, Petronela Ancuta

POSTER SESSIONS BY DAY
TUESDAY, MARCH 5, 2024

Poster Session-A1 | Virus Variation and Evasion of Antivirals and Restriction Factors
2:30 PM - 4:00 PM • Poster Hall C-D
Cannabis Use Enhances Mucosal Immunity and the Microbiome in Individuals With HIV

Robert Langat, Ryan K. Cheu, Christopher Basting, Courtney A. Broedlow, Michael Louella, Nina Isoherranen, Ann C. Collier, Peter W. Hunt, Jennifer A. Manuzak, Nichole R. Klatt

HIV, Not Integrase Inhibitor-Based ART, Modifies Gut Microbiota Composition in MSM

Marta Rosas Cancio-Suárez, Luis Miguel Nieto-Salas, Claudio Díaz-García, Jorge Díaz-Álvarez, Alejandro G. García-Ruiz De Morales, Clara Crespillo Andújar, Laura Luna Garcia, Elena Moreno, Laura Martín-Pedraza, María Fons, Javier Martínez-Sanz, Raquel Ron, Santiago Moreno, Matilde Sánchez-Conde, Sergio Serrano-Villar

Microbe-Drug Interactions Between Antiretrovirals and the Gut Microbiome in HIV Infection

Christopher Basting, Ty Schroeder, Adrian Velez, Courtney A. Broedlow, Timothy Griffin, Candace Guerrero, Nichole R. Klatt

Gut-Microbiome Changes Over 4 Years in PLWH With Good Immune Status on ART

Aya Ishizaka, Michiko Koga, Takeshi Mizutani, Hiroshi Yotsuyanagi

Comparisons of Oral and Gut Bacteria Highlight Role of Veillonella in Systemic Inflammation in HIV

Grace Cho, Julie Elliott, Katharine Newman, Fan Li, Nicole H. Tobin, Steven Shoptaw, Pamina Gorbach, Jennifer A. Fulcher

CX3CR1+ Vδ1 T-Cells Are Clonally Expanded and Driven by CMV, Microbiota, and HIV-1 in the Gut on ART

Nived Collercandy, Camille Vellas, Manon Nayrac, Mary Requena, Thomas Richarme, Justine Latour, Karl Barange, Laurent Alric, Nicolas Carrere, Guillaume Martin-Blondel, Matteo Serino, Jacques Izopet, Pierre Delobel

Bacteria-Induced Granzyme B Contributes to HIV-1-Mediated Gut CD4 T-Cell Depletion Ex Vivo

Kaylee Mickens, Stephanie M. Dillon, Kejun Guo, Ashley Thompson, Bradley S. Barrett, Mario L. Santiago, Cara C. Wilson

Distinct Intestinal Microbial Signatures Linked to Accelerated Biological Aging in People With HIV

337 NIS
Deep Metabolic Profiling for Tissue-Specific Responses Against SARS-CoV-2 Variants in Hamster Models
Urvinder Kaur Sardarni, Anoop Ambikan, Arpan Acharya, Samuel D. Johnson, Rajesh Rajahia, Kabita Pandey, Ujjwal Neogi, Siddappa N. Byrareddy

338 LB
Markers of Microbial Translocation and Inflammatory Cytokines Are Predictive of Severe COVID-19
Ty Schroeder, Christopher Basting, Kathie G. Ferbas, Adrian Velez, Courtney A. Broedlow, Erik Swanson, Melissa Bailey, Robert Langat, Luca Schifanella, Grace M. Aldrovandi, Nicole H. Tobin, Otto Yang, Jennifer Fulcher, Nichole R. Klett

339 LB
Pathogenic Monocyte, Th17, and NK Cell Immune Networks in the Lung From Critical COVID-19 Patients
Illya Tsukalov, Ildefonso Sanchez-Cerrillo, Olga Rajas, Maria Büzón, Meritxell Genescà, Noa Martin-Cófrecés, Ignacio Santos, Maria Jose Calzada, Isidoro González-Álvaro, Jose Palacios, Arantaztu Alfranca, Julio Ancochea, Francisco Sánchez-Madrid, Enrique Martín-Gayo

340 NIS
Complement-Driven Type-I IFN Response Enhances mTOR Activation and T-Cell Immunity
Marta Bermejo Jambrina, John L. van Hamme, Lieve van der Donk, Doris Wilflingseder, Teunis B. Geijtenbeek

341 NIS
Prolonged SARS-CoV-2 Viral Burden and Impaired Immunity in SIV/SARS-CoV-2 Coinfected Macaques
Megan N. Fredericks, Hannah Frizzell, Hillary Tunggal, Cecily C. Midkiff, Jeana Barrow, Anthony L. Cook, Robert V. Blair, Ankur Sharma, Deborah H. Fuller, Megan O'Connor

342 NIS
Viral Shedding and Mucosal Lymphocyte Disruptions in SARS-CoV-2 Infection Exacerbated by Fatty Diet
Kelsie Brooks, Arvind Sivanandham, Quentin Le Hingrat, Anna Jasinska, Delmy Ruiz, Lilly Carson, Lilas Tarnus, Makheni Jean Pierre, Mohammed Daira, Cristian Apetrei, Jason Brenchley, Ivona Pandrea

343 NIS
Impact of COVID-19 Progression in Patients With Hypertension
Alba Sanchez, Silvia Chafino, Graciano Garcia-Pardo, Frederic Gomez-Bertomeu, Miguel Lopez-Dupla, Antoni Del Pino-Rius, Montserrat Olona, Francesc Vidal, Anna Rull, Joaquim Peraire

344 NIS
SARS-CoV-2 Evolution, Reinfection, and Sustained Viremia in Cancer Patients
Juliana D. Siqueira, Livia R. Goes, Brunna M. Alves, Marianne M. Garrido, João P. Viola, Marcelo A. Soares

345 NIS
SARS-CoV-2 Mild Infection as Risk Factor for Herpes Human Viruses Reactivation
Serena Vita, Elisa Petruccioli, Eleonora Cimini, Maria Beatrice Valli, Patrizia De Marco, Settimia Sbarra, Stefania Notari, Cecilia Lindestam Arlehamn, Alessandro Sette, Andrea Antinori, Carla Fontana, Fabrizio Maggi, Delia Goletti, Emanuele Nicastri, for the VIROMA-INMI Group
Neutrophil Activation and Their Derived Nets Contribute to Thrombotic Risk in Pulmonary PASC
Natalie Subia, Dominic Chow, Cecilia Shikuma, Juwon Park

Persistence of SARS-CoV-2 in Platelets and Megakaryocytes in Long COVID
Feifan He, Boxin Huang, Andrea Cottignies-Calame, Wiem Bouchneb, Agathe Goubard, Faroudy Boufassa, Jacques Callebert, Dominique Salmon, Morgane Bomsel

Poster Session-B5 | Persistent Immune Activation and Inflammation During Antiretroviral Therapy
2:30 PM - 4:00 PM • Poster Hall C-D

Low-Level HIV Viremia Affects T-Cell Activation and Senescence in InSTI Era
Violeta Lara Aguilar, Manuel Llamas-Adán, Oscar Brochado-Kith, Celia Crespo-Bermejo, Sergio Grande-García, Sonia Arca-Lafuente, Ignacio De los Santos, María Carmen Prado, Mario Alía, Coral Sainz-Pinós, Amanda Fernández-Rodriguez, Luz Martín-Carbonero, Ricardo Madrid, Verónica Briz

Ultra-Low Level HIV p24 Production as a Driver of Immune Activation in Individuals Treated with ART
Enrico Richter, Theresa Bechtel, Antonia Büning, Marek Korencak, Trevor A. Crowell, Heiko Jessen, Juergen K. Rockstroh, Stefan Esser, Christoph Boesecke, Hendrik Streeck

CARD8 Activation in Myeloid Cells as a Driver of Inflammation in HIV Infection
Marilia R. Pinzone, Liang Shan

Increased Immune Activation Following Acute Sleep Deprivation in People With HIV on ART
Priya V. Borker, Benjamin Morris, Jennifer Roscher, Steven Swanger, Sanjay R. Patel, Bernard J. C. Macatangay

Immunosuppressive Effects of LLDT-8 in ART-Treated SIV-Infected Rhesus Macaques
Xiaosheng Liu, Tingxia Lv, Jing Xue, Ling Lin, Liefeng Lu, Xiaodi Li, Yang Yang, Yuanni Wu, Qiang Wei, Wei Cao, Taisheng Li

Peripheral Immune Progression to Long COVID (LC) Is Driven by Mitochondrial Gene Transcription
David P. Maison, Vedbar Khadka, Isam Mohd-Ibrahim, Michael J. Peluso, Timothy J. Henrich, Youping Deng, Mariana Gerschenson
ERAPs Control In Vitro and Ex Vivo SARS-CoV-2 Infection by Triggering Antiviral Immune Response
Irma Saulle, Maria Luisa Murno, Fiona Limanaqi, Micaela Garziano, Sergio Strizzi, Claudia Vanetti, Sergio Lo Caputo, Mariacristina Poliseno, Teresa A. Santantonio, Mario Clerici, Mara Biasin

Innate Immune Response Through NOD1 Agonists Prevents SARS-CoV-2 Infection in Lung Epithelial Cells
Edurne García-Vidal, Ignasi Calba, Eva Riveira-Muñoz, Elisabet García, Bonaventura Clotet, Pere Serra-Mitjà, Cecilia Cabrera, Ester Ballana, Roger Badia

SARS-CoV-2 Natural Infection Elicits Cross-Reactive Immunity to OC43
Micaela Garziano, Claudia Vanetti, Sergio Strizzi, Irma Saulle, Maria Luisa Murno, Fiona Limanaqi, Valentina Artusa, Mario Clerici, Daria Trabattoni, Mara Biasin

SARS-CoV-2-Specific T-Cells Correlate With Airway Virus Control During Early Acute Infection
Freya U. Hourani, Tabea M. Eser, Alison Tarke, Leo Swadling, Flora Deak, Kathrin Held, Mohammed I. Ahmed, Laura Olbrich, Andreas Wieser, Inge Kroidl, Alessandro Sette, Mala Maini, Michael Hoelscher, Christof Geldmacher

Sex-Specific Transcriptional Profiles Associate With Severe SARS-CoV-2 Infection
Guido Massaccesi, Ziqi Fu, Andrea Cox, Weiqiang Zhou, Eileen P. Scully

Regulatory T-Cell Manipulation Is Limited by Anti-Antibody Responses in HIV-1 Env–Immunized RMs
Shuqin Gu, Kan Luo, Tarra Von Holle, Thaddeus C. Gurley, Hilary Bouton-Verville, Xiaoying Shen, Georgia D. Tomaras, Barton F. Haynes, M. A. Moody

Characterizing New and Boosted HIV-Specific T-Cell Responses Elicited by an HIV Therapeutic Vaccine
Lily Zemelko, Mansi Purwar, Kara W. Chew, Emma Reuschel, Megan Wise, Nicole M. Bedanova, Laurent Humeau, Nilu Goonettleke, Rafick P. Sekaly, David B. Weiner, Steven G. Deeks, Rachel Rutishauser

Safety of Therapeutic HIV-1 Vaccine for Adolescents with Early Treated Perinatal HIV Infection
Shaun L. Barnabas, Mark F. Cotton, Nicola Cotugno, Britta Wahren, Pontus Blomberg, Ellen Turk, Mark S. de Souza, Els Dobbels, Yasmeen Akhalwaya, Samantha Fry, Hans Spiegel, Patrick Jean-Philippe, Paolo Palma, Merlin L. Robb, for the Hvrricane Study Team

WITHDRAWN
Poster Sessions

109

Poster Session-C6 | Mpox Immunity, Therapy, and Transmission

2:30 PM - 4:00 PM • Poster Hall C-D

Immune Responses Associated With Mpox Viral Clearance in People With and Without HIV Coinfection
Igor Moraes-Cardoso, Susana Benet, Julieta Carabelli, Daniel Perez-Zsolt, Adrià Mendoza, Vicente Descalzo, Yovaninna Alarcón-Soto, Alba Grifoni, Michael Marks, Nuria Izquierdo-Users, Jorge Carrillo, Clara Suñer, Alex Olvera, Beatriz Mothe, for the MoViE-Immune Study Group

Orthopoxvirus-Specific IgG Upon Mpox Vaccination Among People With and Those Without HIV

MPXV Replication Induces an IFN Response and Is Suppressed by IFN-γ
Alessandra D’Auria, Federica Frasca, Licia Bordi, Eleonora Lalle, Matteo Fracella, Leonardo Sorrentino, Gabriella D’Ettorre, Claudio Maria Mastroianni, Mauro Pistello, Guido Antonelli, Carolina Scagnolari
419 Early Tecovirimat Treatment for Mpx Disease Among People With HIV: A Matched Cohort Analysis
Bruce Aldred, Robert H. Lyles, Jane Y. Scott, Daniel J. Gromer, Amalia Aldredge, Kimberly Workowski, Boghuma K. Titanji, Minh Nguyen, Vincent Marconi, Colleen Kelley, Jesse T. Jacob, Jonathan Colasanti, Emily J. Cartwright, Valeria D. Cantos, for the Emory Mpx Analysis Patient Series (MAPS) Study Group

420 Combination of Extended Antivirals With Antiretrovirals for Severe Mpx in Advanced HIV Infection
Michael T. Duong, Pablo Tebas, Bhavya Ancha, Jillian Baron, Stuart N. Isaacs, Zsofia Szep

421 Mpx Virus Model of Sexual Transmission in Cynomolgus Macaque
Cecile Herate, Audrey Ferrier Rembert, Francis Relouzat, Hélène Letscher, Quentin Pascal, Benoît Delache, Olivier Ferraris, Roger Le Grand, Jean-Nicolas Tournier

422 Tecovirimat Plasma Concentrations, Mpx Resistance Mutations Selection, and Clinical Outcomes
Stephane Marot, Minh P. Le, Nicolas Visinoni, Claire Perillaud-Dubois, Ruxandra-Oana Calin, Vincent Berot, Valentin Leducz, Cécile Poudourex, Olivier Ferraris, Laurence Morand-Joubert, Vincent Calvez, Gilles Pialoux, Gilles Peytavin, Anne-Genevieve Marcellin, Valerie Pourcher

423 Predictors of Treatment With Tecovirimat and Hospitalization Among People With Mpx and HIV
Michalina Montano, Adrienne E. Shapiro, Rob Fredericksen, Heidi M. Crane, H. Nina Kim, Richard D. Moore, George A. Yadewa, Laura Bamford, Greer Burkholder, Katerina Christopoulos, Kenneth H. Mayer, Sonia Napravnik, April Pettit, Mari Kitahata, Rachel A. Bender Ignacio

424 Predictors of Mpx Duration and Severity in the Italian Multicenter Mpx Icona Cohort
Valentina Mazzotta, Silvia Nozza, Simone Lanini, Davide Moschese, Alessandro Tavelli, Roberto Rossotti, Fusco Francesco Maria, Lorenzo Biasiolli, Giulia Matusali, Angelo Roberto Raccagni, Davide Mileto, Antonella D’Arminio Monforte, Antonella Castagna, Andrea Antinori, for the Mpx-Icona Study Group

425 Molecular Epidemiology of Human Mpx in Chicago
Lacy M. Simons, En-Ling Wu, Maureen Bolon, Timothy Blanke, Maria Francesca Agnes, Anjelo M. Evans, Arghavan Alisoltanidehkhordi, Chad Achenbach, Valentina Stoser, Kendall Kling, Egon Ozer, Judd F. Hultquist, Ramon Lorenzo-Redondo

426 Plausibility of Sexual Behavior Changes and Role of Vaccination in Mpx Outbreak Control Among MSM
Davide Moschese, Alberto Rizzo, Angelo Roberto Raccagni, Andrea Giacomelli, Riccardo Lolatto, Loriana Morelli, Maria Vittoria Cosso, Maria Francesca Lucente, Valeria Micheli, Davide Mileto, Antonella Castagna, Maria Rita Gismondo, Andrea Gori, Giuliano Rizzardini, Silvia Nozza

427 Mpx Vaccination Uptake Among MSM During the 2022 Epidemic: A Single-Center Retrospective Study
Yanis Merad, Matthieu Godinot, Dulce Alfaiaite, Agathe Becker, Florence Ader, Anne Conrad, Laurent Cotte
Poster Sessions

Pharmacokinetics of Tecovirimat in Persons With Mpox: Results From ACTG 5418

Evaluation of a Protocol for Managing Cyclosporine and Nirmatrelvir/Ritonavir Drug-Drug Interaction
Pierre Giguere, Kyla Agtarap, Marie-Josée Deschênes, Lacey DeVreese, Jessica McDougall, Stephanie Hoar, Swapnil Hiremath

Disparities in Mpox Vaccination Among Cis Men and Trans Persons With HIV in Los Angeles County
Colleen Leonard, Erin Nguyen, Kathleen Poortinga, Sherry Yin, Andrea A. Kim, Olivia Moir, Natalie Frey, Abraar Karan, Sonali Kulkarni, Rebecca Cohen, Kwa Sey, Shobita Rajagopal, Mario J. Pérez

Poster Session-D1 | Integration Sites and Proviral Landscape in the Reservoir
2:30 PM - 4:00 PM • Poster Hall C-D

Intact Proviruses Persist in Expressed Genes in People With Non-Suppressible HIV on Long-Term ART
Joshua A. Gluck, Sean Patro, Elias K. Halvas, Kevin Joseph, Nathan McKenna, Shuang Guo, Shadab Parvez, Jason W. Rausch, Xiaolin Wu, John M. Coffin, John W. Mellors, Stephen Hughes, Mary F. Kearney

Role of HIV Integration Site on Clonal Expansion of Infected Cells and Maintenance of Latency

HIV Integration Site Features Associated With Persistence of Infected Cells Under CD8 Pressure

HIV Proviruses Among CMV-Reactive Cells Are Abundant, Defective, and Polyclonal After 4 Years of ART
Filippo Dragoni, Maura Manion, Hao Zhang, Angelica Camilo-Contreras, Frank Maldarelli, Irini Sereti, Francesco R. Simonetti

Differential Gene-Specific Selection Pressures on HIV-1 Defective Proviruses During ART
Thuy Nguyen, Mary-Elizabeth Zipparo, Lindsey Adams, Annemarie Glassey, Ulisses Santamaría, Catherine A Rehm, Jessica Earhart, Wei Shao, Chuen-Yen Lau, Frank Maldarelli
In-Depth Proviral Sequence Analysis Reveals Conserved Reservoir Landscape Composition Across Group M
Hannah J. MacLeod, Elizabeth A. Ferrer, Hanna R. Marks, Mian Cai, Quyuan Ma, Evgenia Aga, Grace M. Aldrovandi, Ronald J. Bosch, Albine Martin, Gregory M. Laird

Solo LTR Formation Promotes Elimination of Proviruses in Persons Living With HIV
Feng Li, Guanhan Li, Francesco R. Simonetti, Shawn Hill, Robert Gorelick, Chuen-Yen Lau, Frank Maldairelli

Longitudinal Evaluation of Viral Tropism in Archived Intact DNA Genomes in Acute HIV-1 Infections
Kavidha Reddy, Elena Giorgi, Kamini Gounder, Nelson Sonela, Krista L. Dong, Bruce D. Walker, Thambi Ndung’u, Guinevere Q. Lee

Multiomics Profiling of HIV-Transcribing Cells in People With HIV on Suppressive ART
Julie Frouard, Xiaoyu Luo, Sushama Telwatte, Douglas Arneson, Jason Neidleman, Kailin Yin, Antoine Chaillon, Rebecca Hoh, Steven G. Deeks, Sara Gianella Weibel, Davey M. Smith, Sulggi A. Lee, Phyllis Tien, Steven A. Yukl, Nadia R. Roan

HIV-1 Transcriptional Activity Is Largely Driven by Defective Proviruses
Mareva Delporte, Evy E. Blomme, Evelien De Smet, Maxime Verschoore, Marie-Angélique De Scheerder, Sofie Rutsaert, Sarah Gerlo, Wim Tryptsteen, Linos Vandekerckhove

Dynamics of Different Proviruses and HIV Transcripts After Acute ART Treatment
Julie Janssens, Sun Jin Kim, Adam Wedrychowski, Gayatri N. Kadiyala, Satish K. Pillai, Timothy J. Henrich, Nadia R. Roan, Steven G. Deeks, Sulggi A. Lee, Steven A. Yukl

Multiomics of Detectable vs Undetectable Monocyte Cell-Associated HIV RNA During Acute HIV
Michael J. Corley, Ivo Sahbandar, Phillip Chan, Alina Pang, Nittaya Phanuphak, Carlo P. Sacdalan, Sandhya Vasan, Lydie Trautmann, Serena Spudich, Lishomwa Ndlovu, for the SEARCH010/RV254 Study Group

Antiretroviral Therapy Within 2 Years of HIV Acquisition Is Associated With Fewer Viral Blips
Trevor A. Crowell, Hsing-Chuan Hsieh, Xun Wang, Xiuping Chu, Britt Gayle, Catherine M. Berjohn, Jason M. Blaylock, Joseph M. Yabes, Derek T. Larson, Robert J. O’Connell, Anuradha Ganesan, Brian K. Agan, for the Infectious Disease Clinical Research Program (IDCRP) HIV Working Group

Reduced HIV RNA Transcription During Long-Term ART Is Associated With Increased Ki67+ CD8+ T-Cells
Alan Wells, Christophe Vanpouille, Noah Gaitan, Antoine Chaillon, Stephen Rawlings, Victor DeGruttola, Xiniia Zhang, Miranda Lynch, Xin Tu, Alan Landay, Eileen P. Scully, Jonathan Karn, Sara Gianella Weibel
472  **HIV-2 Transcription in Blood CD4+ T-Cells Is Inhibited by Blocks to Elongation and Completion**  
**Adam Wedrychowski**, Julie Janssens, Sun Jin Kim, Gayatri N. Kadiyala, Sushama Telwatte, Stacey M. Gaudreau, Susan Cu-Uvin, Athi Tsibris, Steven A. Yukl  

473  **Variable Persistence of Non-Suppressible Viremia on Antiretroviral Therapy**  

474  **Different Impact of Latency Reversal in Cells From People With HIV Viremia and With ART Suppression**  

475  **Strong Latency Reversal by *C. megaloboyts* Extract in ART-Suppressed PBMC and Humanized Mice**  
**Khumoekae Richard**, Zhe Yuan, Riza Kuthu, Emery T. Register, Paridhima Sharma, Brian N. Ross, Pau Zuck, Carol Cheney, Jessicaamarie Morris, Guoxin Wu, Karam Mounzer, Kerstin Andrae-Marobela, Ian Tietjen, Luis J. Montaner  

476  **Transcriptomic HIV Reservoir Profiling Reveals a Role for Mitochondrial Functionality in HIV Latency**  
**Shirley Man**, Stefanie Kroeze, Jade Jansen, Teunis B. Geijtenbeek, Neeltje Kootstra  

477  **Investigating the Effects of Chromatin Spatial Folding on HIV-1 Latency**  
**Nawal K. S. Al Burtamani**, Jose De Las Heras, Khushi Goel, Alex Ward, Helen Rowe, Ariberto Fassati  

478  **Modulation of IRF7-Driven Transcription as a Strategy to Control HIV-1 Latency**  
**Ifeanyi J. Ezeonwumelu**, Edurne Garcia-Vidal, Eudald Felip, Bonaventura Clotet, Roger Badia, Ester Ballana, Eva Riveira-Muñoz  

479  **Reversing HIV-1 Latency by Targeting RasGRP1-Dependent Biogenesis of P-TEFb**  
**Uri Mbonye**, Ana Bellomo, Eleonora Elhalem, Lucia G. Donadio, Maria J. Comin, Jonathan Karn  

480  **Monovalent and Bivalent SMAC Mimetics Reverse HIV Latency and Decreases the HIV Reservoir**  
**Youry Kim**, Kiho Tanaka, Jesslyn Ong, Carolin Tumpach, James H. McMahon, Ajantha Rhodes, Rebecca Hoh, Steven G. Deeks, Sushama Telwatte, Michael Roche, Sharon R. Lewin  

481  **Optimal Administration Timing of Latency Reversal Agents to Reduce Effectively the HIV Reservoir**  
**Erick De La Torre Tarazona**, Sergio Serrano-Villar, Raúl Vaquer, Marta Rava, Laura Luna García, Sonssoles Sánchez-Palomino, Teresa Aldámicz-Echevarría, Rafael Mican, Adrià Curran, Melchor Riera, José Alcamí, Inma Jarrin, Santiago Moreno
564 Brain White Matter Hyperintensity Accumulation in an Acute HIV Cohort Over 2 Years
Kathryn Holroyd, Jacob Bolzenius, Carlo P. Sacdalan, Netsiri Dumrongpisutikul, Somchai Sriplienchan, Pathariya Promsena, Sandhya Vasan, Lydie Trautmann, Serena Spudich, Phillip Chan, Robert Paul, for the RV/SEARCH Study Team

565 Atherosclerotic Cardiovascular Disease Risk Score and Cognition by HIV Serostatus and Sex

566 Cumulative Exposure to CVD Risk Factors More Adversely Affects Cognition in Women With & Without HIV

567 Circulating Endothelial Microvesicles With HIV-1 Promote Cerebral Endothelial Cell Stroke Profile
Auburn R. Berry, Samuel Ruzzene, Kendra Wegerson, Emily I. Ostrander, Hannah L. Cardenas, Hannah K. Fandl, Jared J. Greiner, Vinicius P. Garcia, Elizabeth Connick, Christopher DeSouza

568 Vascular Inflammation in Neuropsychiatric Post-Acute Sequelae of COVID-19
Lindsay S. McAlpine, Hailey Reisert, Bibhuprasad Das, Allison Nelson, Jennifer Chiarella, Shelli Farhadian, Serena Spudich

569 Verbal Learning and Memory in Well-Controlled HIV Is Similar to People Without HIV in Uganda
Noeline Nakasujja, Leah H. Rubin, Deanna Saylor, Aggrey Anok, Stephen Tomusange, Maria J. Wawer, Jacob Bolzenius, Robert Paul, Gertrude Nakigozi

570 Prevalence of Stigma, Depression, and Anxiety in a Cohort of PLWH in Lebanon: A Cross-Sectional Study
Remie L. El Helou, Allison Haidar, Nesrine Rizk

571 Plasma Inflammatory Biomarkers Link to Worse Cognition Among Africans Living With HIV
Samuel Wilson, Andjelika Milicic, Rither Langat, Winnie Rehema, Gloria David, Nkechinwere Harrison, Hannah Kibuuka, Hendrik Streeck, Allahna Esber, Shireen Javandel, Isabel Allen, Lishomwa Ndhlovu, Julie Ake, Victor Valcour, for AFRICOS
572 Improving Diagnosis of Central Nervous System Infections in High-HIV Prevalence African Settings
James Milburn, Taddy Mwarumba, Rachita Suresh, Kebatshabile Ngoni, Tavengwa Manjenji, F. Kathryn Boyd, Lenon Gwuanza, Tiny Mazhani, Ronan Doyle, Katharina Kranzer, Madisa Mine, Margaret Mokomane, Gift Ngwende, Chiratidzo Ndhlovu, Joseph N. Jarvis

573 Mental Health Phenotypes of Well-Controlled HIV in Uganda

Poster Session-E6 | Cerebrospinal Fluid, Blood Biomarkers, and Neurodegeneration in NeuroHIV
2:30 PM - 4:00 PM • Poster Hall C-D

574 Asymptomatic CSF HIV-1 Escape: Incidence and Effects on CNS Biomarkers
Gustaf Ulfhammer, Arvid Edén, Aylin Yilmaz, Lars Hagberg, Erik Sörstedt, Erika Tyrberg, Åsa Mällgren, Staffan Nilsson, Kristina Nyström, Henrik Zetterberg, Dietmar Fuchs, Johanna Gostner, Magnus Gisslén

575 HIV-1 Infection and Alzheimer’s Disease Pathobiology in a Novel Humanized APP-Knock in Mouse Model

576 Increased mtDNA Level in Neuron-Derived Extracellular Vesicles in African Americans With HIV
Vladimir Berthaud, Waldemar Popik, Tarik Smith, Derek Wilus, Venkateswara R. Amara, Franklin Nouvet

577 Cerebrospinal Fluid NFL Decreases After Initiation of ART, but Slower Than Inflammatory Biomarkers
Linn Renborg, Aylin Yilmaz, Staffan Nilsson, Henrik Zetterberg, Kaj Blennow, Magnus Gisslén

578 Protein Modifications by Lactate Associate With Lower Risks of Neurocognitive Impairment and Death
Danying Cao, Liangliang Zhang, James Galligan, Corrilynn O. Hileman, Asha Kallianpur, Alan Landay, Ronald J. Ellis, Frank Palella, Susan L. Koletar, Katherine Tassiopoulos, Robert C. Kalayjian

579 Tryptophan and Kynurenine Pathway Activation and Cognition in Virally Suppressed Women With HIV
Eran F. Shorer, Raha M. Dastghheyb, Audrey L. French, Elizabeth Daubert, Ralph Morack, Clary B. Clish, Kevin Bullock, Deborah Gustafson, Anjali Sharma, Andrea Rogando, Qinbi Qi, Helen Burgess, Leah H. Rubin, Kathleen Weber

580 Impact of Recombination on HIV-1 Evolutionary Dynamics in CSF and Plasma
Li Li, Leslie St. Bernard, Daniel Dunn, Douglas F. Nixon, Weigang Qiu, Teresa H. Evening
581  Effects of Recent Air Pollution Exposure on Cognition, Inflammation, and Neurodegeneration in HIV  
Sarah Cooley, Julie Wisch, Tricia Burdo, Dianne Langford, Rajan Chakrabarty, Payton Beeler, Beau Ances

582  Higher Mitochondrial DNA (mtDNA) Heteroplasmic Burden Associates With Depression in People With HIV  
Emmanuel Saake, Chunyu Liu, Kavita Sharma, Donald Franklin, Todd Hulgan, David C. Samuels, Robert K. Heaton, Scott L. Letendre, Ronald J. Ellis, Asha R. Kallianpur

Poster Session-F2 | Important Antiretroviral Adherence and Pharmacokinetic Measures  
2:30 PM - 4:00 PM • Poster Hall C-D

609  Tenofovir Diphosphate Benchmarks in Dried Blood Spots in PWH Receiving TAF-Based ART (QUANTI-TAF)  
Ryan P. Coyle, Mary Morrow, Vincent Mainella, Sarah C. Mann, Nicholas Barker, Lucas Ellison, Samuel L. Ellis, Pamela E. Alpert, Tony C. Carnes, D. Eric Buffkin, Lane Bushman, Samantha MaWhinney, Kristina M. Brooks, Jose R. Castillo-Mancilla, Peter L. Anderson

610  Factors Affecting TFV-DP Concentrations in PBMC and Relationships With DBS in PWH on TAF-Based ART  
Stefanie Schwab, Mary Morrow, Corwin Coppinger, Ryan P. Coyle, Vincent Mainella, Sarah C. Mann, Nicholas Barker, Lucas Ellison, Samuel L. Ellis, Pamela E. Alpert, Lane Bushman, Samantha MaWhinney, Kristina M. Brooks, Jose R. Castillo-Mancilla, Peter L. Anderson

611  Adherence Markers for Doxy-PEP in Plasma and Urine  
Richard Haaland, Jeffrey Fountain, Chuong Dinh, Tiancheng Edwards, Deborah Omoyege, Christopher Conway-Washington, Colleen Kelley, Walid Heneine

612  Safety and PK/PD of a Tenofovir Rectal Douche Administered in Different Sequences, DREAM-03  
Ruohui Zheng, Ken Ho, Edward J. Fuchs, Alex Carballo-Díéguez, Lisa C. Rohan, Rebecca Giguere, Rhonda M. Brand, Stacey Edick, Rahul P. Bakshi, Teresa L. Parsons, Cindy E. Jacobson, Christina Bagia, Lin Wang, Mark Marzinke, Craig W. Hendrix

613  Early Identification of ART Missed Doses: Baseline Data From the RETAIN Study  
Lauren Jennings, Chantel Schreuder, Richard Madimabe, Campbell McDuling, Tebogo Mosina, Lora Sabin, Catherine Orrell

614  Baseline Urine Methamphetamine (UTOXM) Predicts ART Adherence and Poor Retention in Care Attributes  
Sara Browne, Anya Umlauf, Sarah Rojas, Theodoros Katsivias, Florin Vaida, Constance A. Benson
Poster Session-G3 | Should I Stay or Should I Go: Switching Oral Antiretroviral Therapy
2:30 PM - 4:00 PM • Poster Hall C-D

641 Switching From a Second-Line Boosted PI Regimen to B/F/TAF: Results of a Randomized Clinical Trial

642 Phase II Study of Switch to Daily BIC + LEN in Individuals on a Multitablet HIV Treatment Regimen
Karam Mounzer, Jihad Slim, Moti Ramgopal, Malcolm Hedgcock, Mark Bloch, Jorge Santana, Ines Mendes, Ying Guo, Priyanka Arora, Jairo M. Montezuma-Rusca, Hal Martin, Peter Sklar, Jared Baeten, Sorana Segal-Maurer

643 A Randomized Trial Switching Adults ≥ 60 Years Old From First-Line ART to B/F/TAF: Week 48 Results
Loice A. Ombajo, Jeremy Penner, Joseph Nkuranga, Edwin Otieno, Victor Mbewa, Jared O. Mecha, Simon Wahome, Florentius Ndinya, Sanjany Bhagani, Anton Pozniak, for the B/F/TAF Study Group

644 Impact of Switching From Triple to Dual Therapy on Inflammation: INSTINCT Study
Sergio Serrano-Villar, Laura Martín-Pedraza, Carmen Busca, Juan Manuel Tiraboschi, Jesús Santos, Luis Fernando López-Cortés, Carmen Hidalgo Tenorio, Vicente Estrada, Maria José Crusells Canales, Alfonso Cabello Ubeda, Alberto Díaz de Santiago, Maria Novella, Miguel Torralba, Marta De Miguel, Santiago Moreno

645 Switching to DTG+3TC vs 3-Drug Regimens in Routine Clinical Care: Long-Term Swedish Data
Erik Sörstedt, George Nduva, Saara Hiltunen, Johanna Repits, Fredrik Månsson, Åsa Mellgren, Eva Fernvik, Adam Stubbs, Melanie Schroeder, Johanna Brännström, Christina Carlander

646 Impact of Switch to 3TC/DTG on the HIV-1 Transcriptional Reservoir in a Randomized Controlled Trial
Evy E. Blomme, Evelien De Smet, Mareva Delporte, Wim Tryptsteen, Sophie Degroote, Sophie Vanherewege, Els Caluwe, Marie-Angelique De Scheerder, Linos Vandekerckhove

647 Impact of DTG+3TC as First-Line ART on HIV-1 Reservoir and Inflammatory Markers in Peripheral Blood
Jose Molto, Maria C. Garcia-Guerrero, Lucía Bailón, Igor Moraes-Cardoso, Ester Aparicio, Pep Coll, Angel Rivero, Elias P. Rosen, Jacob D. Estes, Julià Blanco, Alex Olvera, Maria C. Puertas, Beatriz Mothe, Javier Martinez-Picado, for the DUALITY Study Group
Effect of Remdesivir on Post-COVID Conditions Among Individuals Hospitalized With COVID-19 by Age
Mark Berry, Amanda M. Kong, Roger Paredes, Rohan Shah, Gina Brown, Rikisha Gupta, Sohul A. Shuvo, Robert L. Gottlieb, Lourdes Mateu, Mazin Abdelghany, Jason D. Goldman, Anand P. Chokkalingam

Extended Nirmatrelvir/Ritonavir Treatment Durations for Immunocompromised Patients With COVID-19
Edward Weinstein, Annie Gardner, Mary Almas, Mary Lynn Baniecki, Shunjie Guan, Elena Tudone, Simone Antonucci, Kevin Gregg, Roger Paredes, Carolina Garcia-Vidal, Adrian Camacho, Wayne Wisemandle, Steven Terra, Jennifer Hammond, James Rusnak

Nirmatrelvir/Ritonavir Reduces COVID-19 Symptom Duration Across Subgroups of Patients at High Risk
Heidi Leister-Tebbe, Weihang Bao, Wayne Wisemandle, Romina Quercia, Jennifer Hammond, James Rusnak

Large Fraction of COVID-19 Hospitalizations Preventable With Oral SARS-CoV-2 Antiviral Treatment
Matthew E. Levy, Evanette Burrows, Vanessa Chilunda, Dana Wyman, Andrew Dei Rossi, Hang Dai, Magnus Isaksson, Lisa McEwen, Nicole L. Washington, Tracy Basler, Kevin Tsan, Jason Nguyen, Jimmy Ramirez, Efren Sandoval, Shishi Luo

Pooled Analysis of Randomized Trials Comparing Drug Efficacy for Early COVID-19 During Omicron Waves
Valentina Mazzotta, Fulvia Mazzaferrri, Simone Lanini, Massimo Mirandola, Alessandro Cozzi-Lepri, Alessandra Vergori, Alessia Savoldi, Francesca Bai, Gaia Maccarrone, L. Sarmati, Carlo Tascini, Enrico Girardi, Annamaria Cattelan, Andrea Antinori, Evelina Tacconelli

Predictors of Failure to COVID-19 Early Therapies and Drugs Efficacy Comparison by Emulation Trial
Valentina Mazzotta, Alessandro Cozzi-Lepri, Cosmo Del Borgo, Silvia Rosati, Martina Rueca, Enrico Girardi, L. Sarmati, Claudio Maria Mastroianni, Massimo Fantoni, Fabrizio Maggi, Emanuele Nicastri, Miriam Lichtner, Andrea Antinori, for the Early Treatment for COVID-19 Lazio Study Group

Disparities in Treatment Initiation by Race and Ethnicity Among Patients Hospitalized for COVID-19
Essy Mozaffari, Aastha Chandak, Alpesh N. Amin, Robert L. Gottlieb, Andre C. Kalil, Mark Berry, Gina Brown, Jason F. Okulicz, Chidinma Chima-Melton

Remdesivir Reduces Mortality in Immunocompromised Patients Hospitalised for COVID-19 During Omicron
Essy Mozaffari, Aastha Chandak, Robert L. Gottlieb, Chidinma Chima-Melton, Mark Berry, Alpesh N. Amin, Tobias Welte, Paul E. Sax, Andre C. Kalil
Remdesivir+Dexamethasone vs Dexamethasone for the Treatment of COVID-19: Real-World Study in the US
Essy Mozaffari, Aastha Chandak, Robert L. Gottlieb, Chidinma Chima-Melton, Mark Berry, Thomas Oppelt, Jason F. Okulicz, Alpesh N. Amin, Andre C. Kalil, Tobias Welte, Paul E. Sax

Real-Life Experience on the Use of Remdesivir: A Propensity Score Matched Analysis
Francesco Di Gennaro, Luisa Frallonardo, Giacomo Guido, Francesco Vladimiro Segala, Nicola Veronese, Annalisa Saracino

Molnupiravir vs Favipiravir: An RCT in Outpatients At-Risk for COVID-19 in Thailand
Nicolas Salvadori, Gonzague Jourdain, Rungroj Krittayaphong, Taweegrit Siripongboonsitt, Subsai Kongsangdaio, Parichat Sakulkonkij, Nasikarn Angkasekwini, Sarunoy Chusri, Tanavit Mekavuthikul, Anucha Apisarnthanarak, Sirawat Srichatrapimuk, Suraphan Sangsawang, Piya Hanvoravongchai, Pra-orrsuda Sukrakanchana, Prasert Auewarakul

AGILE CST-8 Phase I Trial of Combined Nirmatrelvir/r and Molnupiravir for Mild-Moderate COVID-19
Saye Khoo, Richard J. Fitzgerald, Shazad Ahmad, Chris Edwards, Geoff Saunders, Emma Knox, Calley Middleton, William Greenhalf, Laura Else, Victoria Shaw, Thomas Fletcher, Helen Reynolds, Gareth Griffiths, for the AGILE CST-8 Study Team

Viral and Symptom Rebound After COVID-19 Monoclonal Antibody Therapy in the ACTIV-2 Trial
Kara W. Chew, Brooke McGinley, Carlee Moser, Jonathan Z. Li, Teresa H. Evering, Justin Ritz, David Margolis, David Wohl, Michael D. Hughes, Eric Daar, Judith S. Currier, Joseph J. Eron, Davey M. Smith, for the ACTIV-2/A5401 Study Team

Risk of SARS-CoV-2 Infection in Patients With Hematologic Diseases Receiving Tixagevimab/Cilgavimab
Alessandra Vergori, Alessandro Cozzi-Leperi, Marta Chiuichiarelli, Valentina Mazzotta, Elisabetta Metafuni, Giulia Matsuali, Valentina Siciliana, Jessica Paulicelli, Eleonora Alma, Agostina Siniscalchi, Elisabetta Abruzzese, Simona Sica, Massimo Fantoni, Andrea Antinori, Antonella Cingolani

Immunogenicity of Tixagevimab/Cilgavimab for COVID-19 in Immunocompromised Children and Adolescents
Jassada Buaboonnam, Supattra Rungmaitre, Nuntawan Piaphanee, Sirirat Charuvanij, Onsiri Pitisuttithum, Katherine Copeland, Chatkamol Pheerapanyawaranun, Suivelim Niyomaithum, Kulkanya Chokephaibulkit

Sotrovimab Lacks Efficacy in Treatment of Syrian Golden Hamsters Infected With SARS-CoV-2 BQ.1.1
Lee Tatham, Joanne Sharp, Megan Neary, Joanne Herriott, Edyta Kijak, Eduardo Gallardo-Toledo, Helen Cox, Chloe Bramwell, Anthony Valentijn, Usman Arshad, Henry Pertinez, Paul Curley, Rajith Rajoli, James P. Stewart, Andrew Owen

First-in-Human Phase I Trial of an Adjuvanted SARS-CoV-2 Spike Ferritin Nanoparticle Vaccine
PREVENT: Phase I Clinical Trial of a Q-Griffithsin (Q-GRFT) Nasal Spray for Prevention of SARS-CoV-2

Poster Session-H3 | Broadly Neutralizing Antibodies and Resistance
2:30 PM - 4:00 PM • Poster Hall C-D

687 Env Conformational Flexibility Modulates HIV-1 Sensitivity to VRC01-Mediated Prevention
Durgadevi Parthasarathy, Karunakar R. Pothula, Ruth Parsons, Xiao Huang, Salam Sammour, Katarzyna Janowska, Miranda Harris, Joseph Sodroski, Priyamvada Acharya, Alon Herschhorn

688 HiResist: A Database of HIV-1 Resistance to Broadly Neutralizing Antibodies
Milind Misra, Jeffy Jeffy, Charis Liao, Stephanie Pickthorn, Kshitij Wagh, Alon Herschhorn

689 New HIV-1 Cell-Cell Transmission Assay Identifies Cell Type Dependency of PG9 And P16 Neutralization
Dmitriy Mazurov, Alon Herschhorn

690 Development of Individualized Antibody Treatment Regimens for Patients With Multidrug-Resistant HIV
M. A. Rai, Jana Blazkova, Jesse S. Justement, Victoria Shi, Brooke D. Kennedy, Maegan R. Manning, Mary McLaughlin, Michael C. Sneller, Alice K. Pau, Susan Moir, Tae-Wook Chun

691 Teropavimab and Zinlirvimab Sensitivity in People Living With MDR HIV-1: PRESTIGIO Registry Data
Vincenzo Spagnuolo, Laura Galli, Aiyappa Parvanganada, Keith J. Dunn, Filippo Lagi, Roberta Gagliardini, L. Sarmati, Annamaria Cattelan, Andrea Giacomelli, Maria Meredes Santoro, Maurizio Zazzi, Christian Callebaut, Antonella Castagna, Laurie VanderVeen

692 Studying Dual Role of Glycosylation in Resistance to Broadly Neutralizing Antibodies In Vitro
Teresa Murphy, Rebecca Lynch, Gabe Galeotos

Poster Session-I3 | HBV and HDV: Epidemiology, Natural History, and Pathogenesis
2:30 PM - 4:00 PM • Poster Hall C-D

724 Epidemiologic Burden of Hepatitis D Virus in the United States
Elizabeth M. Marlowe, Brooke E. Swanson, Susan E. Realegeno, Ron M. Kagan, William A. Meyer

725 Incidence and Outcome of HDV Infection in People With HIV in the Era of Tenofovir-Containing Therapy
726  Risk of Liver-Related Events in Individuals With HBV/HIV Coinfection With and Without HDV
Laura E. Telep, Grace M. Chee, Amanda W. Singer, Anand P. Chokkalingam, David L. Wyles

727  Changes in Liver Fibrosis Stage Among People Living With Untreated Hepatitis B in Senegal
Adrià Ramírez Mena, Bruce Wembulula Shinga, Aboubakar S. Badiane, Kiné Ndiaye, Judicaël Tine, Allassane Ndiaye, Maguett Fall, Hubert Akotia, Melissa S. Pandi, Daye Ka, Louise Fortes, Ousseynoun Ndiaye, Ndèye Fatou Ngom, Moussa Seydi, Gilles Wandeler, for SEN-B

728  Prevalence and Incidence of Hepatitis B Among People Living With HIV in 4 Sub-Saharan Countries
Josphat Kosgei, Nicole Dear, Hannah Kibuuka, John Owuoth, Jonah Maswai, Valentine Sing’oei, Emmanuel Bahemana, Victor Anyebe, Debika Bhattacharya, Georg Lauer, Arthur Kim, Trevor A. Crowell, Neha Shah, Julie Ake, for the AFRICOS Study Group

729  Loss of Serologic Response in Young People With HIV (PWH) Who Had Undergone HBV Revaccination
Yi-Chia Huang, Hsin-Yun Sun, Sung-Hsi Huang, Yu-Chung Chuang, Yu-Shan Huang, Kuan-Yin Lin, Aristine Cheng, Wang-Da Liu, Chiao-Wen Huang, Wen-Chun Liu, Chien-Ching Hung

730  Chronic Hepatitis B Increases Mortality Risk in COVID-19 While Vaccination Is Protective
George A. Yendewa, Temitope Olasehinde, Frank Mulindwa, Amir M. Mohareb, Jeffrey Jacobson

731  IL-21 Ameliorates Liver Inflammation by Enhancing MDSC Activity in Chronic HBV Infection
Xiaoyi Li, Zhipeng Liu, Guofu Ye, Shihong Zhong, Shuqin Gu, Libo Tang, Yongyin Li

Poster Session-I4 | HBV and HDV Treatment and Cure
2:30 PM - 4:00 PM • Poster Hall C-D

732  Factors Associated With HBV Response to B/F/TAF vs DTG + F/ TDF at W96 in People With HIV-1 and HBV
Anchalee Avihingsanon, Hongzhou Lu, Chee Loon Leong, Chien-Ching Hung, Sasisopin Kiertiburanakul, Man-Po Lee, Khuanchai Supparatpinyo, Fujie Zhang, Jason Hindman, Hongyuan Wang, Hui Liu, Taisheng Li

733  Novel Biomarkers as Determinants of HBsAg Loss in Persons With HIV/HBV on Tenofovir
Lorin Begré, Anders Boyd, Marie-Laure Plissonnier, Barbara Testoni, Charles Béguelin, Franziska Suter-Riniker, Caroline Scholtes, Juergen K. Rockstroh, Karine Lacombe, Lars Peters, Massimo Leverro, Andri Rauch, Fabien Zoulim, Gilles Wandeler

734  Circulating HBV RNA Helps Characterize HBV Disease in Senegal
Lorin Begré, Hubert Akotia, Bruce Wembulula Shinga, Melissa S. Pandi, Ousseynoun Ndiaye, Judicaël Tine, Pascal Bittel, Christoph Niederhauser, Martin Stolz, Andri Rauch, Ndèye Fatou Ngom, Adrià Ramírez Mena, Moussa Seydi, Gilles Wandeler, for SEN-B
735  Efficacy and Safety of BLV 2 or 10 mg for 96 Weeks in CHD Including in 2 Patients With HIV/HBV/HDV
Heiner Wedemeyer, Soo Aleman, Maurizia Brunetto, David L. Wyles, Viacheslav Morozov, Vladimir Chulanov, Ben Da, Renee-Claude Mercier, Grace M. Chee, Mingyang Li, Pietro Lampertico

736  Transaminase Elevations Among Patients With Occult HBV Infection on 2-Drug Antiretroviral Regimens
Luca Mezzadri, Bianca Monti, Alice Ranzani, Anna Cappelletti, Silvia Limonta, Alessandro Soria, Elisa Colella, Ilaria C. Caramma, Nicola Squillace, Paolo Bonfanti, Giuseppe Lapadula

737  Hepatitis B Reactivation in PLWH With Anti-Core Antibody After Switch to an Anti-HBV Sparring Regimen
Giulia Morsica, Riccardo Lolatto, Sara Diotallevi, Valentina Svircher, Costanza Bertoni, Alessia Siribelli, Hamid Hasson, Sabrina Bagaglio, Tommaso Clemente, Arianna Forniti, Romina Salpini, Caterina Uberti-Foppa, Antonella Castagna, Nicola Gianotti

738  Circulating HBsAg-Specific B-Cells Are Partially Rescued After Achieving Functional Cure
Shuqin Gu, Libo Tang, Guofu Ye, Ling Guo, Shihong Zhong, Xiaoyi Li, Nikolai Novikov, Simon P. Fletcher, Sarah Valencia, M. Anthony Moody, Yongyin Li

739  Monthslong HBV Suppression by TFV Double Ester Prodrugs
Srijanee Das, Weimin Wang, Samiksha Raut, Murali Ganesan, Grace A. Bybee, Nam Thai Hoang Le, Howard E. Gendelman, Natalia A. Osna, Larisa Poluektova, Benson Edaga

740  Evaluation of the Hepatitis B Virus Reservoir With Fine Needle Aspiration and Serum Biomarkers
Barbara Testoni, Armando Andres Roca Suarez, Marie-Laure Plissonnier, Caroline Scholtes, Floriana Facchetti, Marinta Heil, François Villeret, Yasmina Chouik, Massimo Levrero, Upkar Gill, Patrick Kennedy, Pietro Lampertico, Fabien Zoulim

741  Intrahepatic cccDNA and Circulating HBV Markers in HBeAg-Negative Chronic Infection in Senegal
Adrià Ramírez Mena, Aleksei Suslov, Hubert Akotia, Pascal Bittel, Andreas Limacher, Judicaël Tine, Christoph Niederhauser, Bruce Wembutua Shinga, Melissa S. Pandi, Ndeye Fatou Ngom, Stefan Wieland, Markus Heim, Moussa Seydi, Gilles Wandeler

759  Clinical Predictors and Outcomes of Anal Cancer for People With HIV in an Inception Cohort
Edward Cachay, Tari Gilbert, Huifang Qin, Christopher Mathews

760  Evaluation of the Performance of Different High-Resolution Anoscopy Triage Strategies in MSM LWH
Eugenio Nelson Cavallari, Federica Alessi, Chiara Eberspacher, Marco Ridolfi, Ilyass El Abboubi, Alessandra Latini, Angelina Pernazza, Daniela Bosco, Domenico Mascagni, Claudio Maria Mastroianni, Gabriella D’Ettorre
761  
**Anal Self-Sampling Is Suitable for Anal Cancer Screening Among Men Who Have Sex With Men in Togo**

762

**Long-Term ART Is Not Associated With Reduced Anogenital Cancer Risk: A Case-Cohort Study**
Maanasa Mendu, Taolo Ntloedibe, Memory Bvochora-Nsingo, Sebasthu Chiyapo, Kutlo Manyake, Isaac Nkele, Rebecca Luckett, Tendani Gaolathe, Joseph M. Makhema, Peter Vuylsteke, Shahin Lockman, Scott Dryden-Peterson

763  
**Trial Comparing Cryotherapy to LEEP in Women With HIV: CIN2+ Recurrence After 9 Years**

764

**Prioritizing Anal Cancer Screening in PWH: Not All Are at the Same Risk**
Raquel Martin-Iguacel, Boris Revollo, Jordi Aceiton, Pere Domingo, Joaquin Burgos, Patricia Sorni, Maria Saumoy, Hernando Knobel, Marta Navarro, Elena Leon, Amat Orti, José M Miró, Jordi Casabona, Josep M. Llibre, for the PISCIS Cohort Study Group

Poster Session-K2 | Cardiovascular Disease Trends and Risk Factor Modification
2:30 PM - 4:00 PM • Poster Hall C-D

781

**Factors Affecting Risk of Major Adverse Cardiovascular Events Among People With HIV in REPRIEVE**
Markella Zanni, Maya Watanabe, Heather J. Ribaudo, Gerald S. Bloomfield, Kathleen V. Fitch, Carl J. Fichtenbaum, Triin Umbleja, Judith S. Currier, Judith A. Aberg, Carlos D. Malvestutto, Marissa Diggs, Michael T. Lu, Pamela S. Douglas, Steven Grinspoon, for the REPRIEVE Investigators

782

**Performance of the ACC/AHA Pooled Cohort Equations for Risk Prediction in the Global REPRIEVE Trial**
Steven Grinspoon, Heather J. Ribaudo, Virginia Triant, Kathleen V. Fitch, Amy Kantor, Judith S. Currier, Gerald S. Bloomfield, Marissa Diggs, Judith A. Aberg, Carlos D. Malvestutto, Carl J. Fichtenbaum, Michael T. Lu, Markella Zanni, Pamela S. Douglas, for the REPRIEVE Investigators

783

**Residual HIV Viremia Doubles Cardiovascular Disease Incidence Independent of Classic Risk Factors**
Twan Otten, Marc Blaauw, Wilhelm A. Vos, Albert L. Groenendijk, Louise E. van Eeckeren, Olivier Richel, Mihai Netea, Jan van Lunzen, Niels P. Riksen, Linos Vandekeerkhove, Andre J. van der Ven, for 2000HIV Human Functional Genomics Partnership Program
Temporal Trends of Cardiovascular Disease Incidence in People With HIV From 2001-2021
Nadine Jaschinski, for the RESPOND and D:A:D Study Groups

The Effect of Dolutegravir on Whole-Body Glucose Disposal and Lipid Metabolism in Healthy Volunteers
Shahid A. Bukhari, Roya Movahedi, James Nesbitt, Sujin Kang, Betsabe Rodriguez Mateos, Krestine Elecito, Arnold Xhikola, Graeme Moyle, Ana Milinkovic, Marta Boffito, Ruth Byrne

Factors Associated With Smoking Cessation Among Patients in the HIV Outpatient Study, 2007-2022
Jun Li, Carl Armon, Alexander C. Ewing, Jonathan Mahnken, Ellen M. Tedaldi, Frank Palella, Richard Novak, Cynthia Finnhaber, Stockton Mayer, Andrea Wendrow, Gina Simoncini, Linda Battalora, Kimberly Carlson, Kate Buchacz, for the HIV Outpatient Study (HOPS) Investigators

Associations Between Antiretroviral Therapy and Cardiovascular Events in People With Treated HIV
Luis Parra-Rodriguez, John Sahrmann, Anne M. Butler, Margaret A. Olsen, William G. Powderly, Jane A. O’Halloran

Modifiable Factors Associated With Cardiovascular Disease Risk Among Women With and Without HIV
Jenni Wise, Elizabeth Jackson, Liang Shan, Andrew Edmonds, Deborah Konkle-Parker, Maria L. Alcaide, Gina Wingood, Tracey Wilson, Kathleen Weber, Aruna Chandran, Seble Kassaye, David B. Hanna, Anna Leddy, John Cleveland, Mirjam Colette-Kempf, for the Multicenter AIDS Cohort Study (MACS) & Women’s Interagency HIV Study (WIHS) Combined Cohort Study

No Increased Risk for Hypertension With CAB-LA Compared to TDF/FTC for HIV PrEP in HPTN 083

Higher Risks of Hypertension With Use of DTG Versus PI/r in the VISEND Trial
Lloyd B. Mulenga, Kaitlyn M. McCann, Lameck Chirwa, Manya Mirchandani, Andrew Hill, for the VISEND Study Team

Hypertension Treatment Gap Among People With/Without HIV in Kenya, Nigeria, Tanzania, and Uganda
Matthew Romo, Nicole Dear, Trevor A. Crowell, Seth Frndak, Hannah Kibuuka, John Owuoth, Valentine Sing’o, Jonah Maswai, Emmanuel Bahemana, Victor Anyebe, Zahra Parker, Julie Ake, J. Sean Cavanaugh, Neha Shah, for the African Cohort Study (AFRICOS) group
Poster Session-L4 | Antiretroviral Therapy: Immunologic Effects
2:30 PM - 4:00 PM • Poster Hall C-D

817 Transcriptomics and Proteomics Reveal Differential Pathways in DTG/3TC vs 3DR Regimens in PLHIV
Victoria Rios-Vazquez, Wilhelm A. Vos, Marc Blaauw, Louise E. van Eekeren, Albert L. Groenendijk, Quirijn de Mast, Leo Joosten, Mihai Netea, Willem L. Blok, Janneke E. Stalenhoef, Jan van Lunzen, Andre J. van der Ven

818 Inflammatory Profile of B/F/TAF, DTG/ABC/3TC, and DTG+F/TAF Over 5 Years and Effects of Viral Blips
Nicholas Funderburg, Susie S. Huang, Calvin Cohen, Kate Ailstock, Jean Lee, Brenda Ng, Kirsten White, Jeff J. Wallin, Bryan Downie, Grace A. McComsey

819 Impact of Raltegravir Intensification on the Gut Microbiota of People With Chronic HIV-1 Infection
Maria Casadellà, Aleix Elizalde-Torrent, Francesc Català-Moll, Alessandra Borgognone, Mariona Parera, Marc Noguera-Julian, Roger Paredes

820 Blood Telomere Length in ART-Naive PLWH Starting DTG+3TC vs Triple Regimen With 2 Nucleosides
Francesca Lombardi, Alessia Sanfilippo, Massimiliano Fabbiani, Alberto Borghetti, Arturo Ciccullo, Valentina Iannone, Damiano Farinacci, Pierluigi Francesco Salvo, Enrica Tamburrini, Simona Di Giambenedetto

Poster Session-L5 | Sex Differences in Comorbidities and Inflammation
2:30 PM - 4:00 PM • Poster Hall C-D

821 Age Modifies the Association Between Sex and the Plasma Inflammatory Proteome in Treated HIV

822 Consequences of Low-Level Viremia by Sex Among People With HIV in the United States
Amalia Aldredge, Cyra C. Mehta, Cecile D. Lahiri, Maria L. Alcaide, Kathryn Anastos, Todd T. Brown, Audrey L. French, Frank Palella, Michael Schneider, Phyllis Tien, Anandi N. Sheth, Lauren F. Collins

823 Short- and Long-Term Body Weight Gain Following Switch to Integrase Inhibitors Differs by Sex
Cecile D. Lahiri, Cyra C. Mehta, Qian Yang, Joffi Musonge-Effoe, Julie B. Dumond, Maria L. Alcaide, Jordan E. Lake, Leah H. Rubin, Audrey L. French, Jennifer Cocohoba, Seble Kassaye, Anjali Sharma, Anandi N. Sheth, Igho Ofotokun, Jessica A. Alvarez

824 Body Composition Changes Among DMPA and Non-Hormonal Users on TDF Based ART Switched to B/F/TAF
Flavia Kiweewa Matovu, Martin Nabwana, Esther Isingel, Philippa Musoke, Mary G. Fowler, John Pettifor, Todd T. Brown, Mags Beksinska, for the BONE: STAR Study Team
Safety of Tenofovir Alafenamide in Individuals With a History of Proximal Renal Tubulopathy on TDF
Lucy Campbell, Birgit Barbini, Ben Cromarty, Lisa Hamzah, Margaret Johnson, Deborah Williams, Alan Winston, Frank A. Post, for the FANTA Trial Team

Urinary Exosome-Derived MicroRNAs as Biomarkers of TDF Renal Toxicity in People Living With HIV
Jose L. Casado, Isabel Izuquiza, Pilar Vizcarra, Carmen Santiuste, Jose M. Del Rey, Alejandro Vallejo

Biomarkers Influence Kidney Function Estimates More So Than Race Among Persons With HIV
Peggy-Ita A. Obeng-Nyarkoh, Amanda B. Spence, Richard Teran, Christopher A. Loffredo, Bruce Luxon, Joseph Timpone, Princy Kumar, Jason Umans, Seble Kassaye

Markers of Macrophage Activation and Kidney Function in People With and Without HIV

Anti-α4β7 Antibody Facilitates Improved Renal Function During SIV Infection in Macaques
Samuel D. Johnson, Thomas A. Premeaux, Nageswara Pilli, Jianshi Yu, Lishomwa Ndhlouv, Maureen A. Kane, Siddappa N. Byrareddy

Predictors of Breakthrough COVID-19 Infection From the STOPCoV Cohort
Sharon Walmsley, Majid Nabipoor, Leif Erik Lovblom, Rizani Ravindran, Roaya M. Dayam, Dorin Manase, Karen Colwill, Anne-Claude Gingras, for the StopCov Research Team

Immunosuppressive Conditions Are Associated With Poor Outcomes in Patients Hospitalized for COVID-19
Vijeeth Guggilla, Jennifer Pacheco, Alexandre Carvalho, Anna Pawlowski, Grant Whitmer, Chad Achenbach, Theresa Walunas

Characteristics and Outcomes of Patients with Kidney Transplant Hospitalized for COVID-19 in the US
Essy Mozaffari, Aastha Chandak, Andre C. Kalil, Chidinma Chima-Melton, Alpesh N. Amin, Mark Berry, Jason F. Okulicz, Robert L. Gottlieb
COVID-19 Omicron Infection and Severe Outcomes in HIV and Matched Non-HIV Cohorts in Ontario, Canada
Ann N. Burchell, Catharine Chambers, Lena Nguyen, Curtis L. Cooper, Abigail E. Kroch, Hasina Samji, Cecilia T. Costiniuk, Aslam H. Anis, Jeffrey C. Kwong, Rahim Moinheddin, Sarah A. Buchan, Lawrence Mbuagbaw, Claire E. Kendall, Devan Nambiar, for the COVAXHIV Team

SARS-CoV-2 Infection and Hospitalization in Immunocompromised Children: A Population-Based Study
Costanza Di Chiara, Arianna Giugni, Marthe Le Prevost, Elisa Barbieri, Angela Lupatelli, Carlo Giaquinto, Daniele Donà, Anna Cantarutti

Epidemiology, Clinical Features, and Severity of COVID-19 in Immunocompromised Children in Canada
Costanza Di Chiara, Tilmann Schober, Daniel S. Farrar, Julie A. Bettiger, Joanne E. Embree, Scott A. Halperin, Tajdin Jadavji, Kescha Kazmi, Rupeena Purewal, Manish Sadarangani, Laura Sauvè, Karina A. Top, Fatima Kakkar, Jesse Papenburg, Shaun K. Morris

In-Hospital Mortality During Different SARS-CoV-2 Variant Waves in the EuCARE Multinational Cohort
Pontus Hedberg, Milosz Parczewski, Giulia Marchetti, Björn Jensen, Francis Drobniewski, Daniel Naumovas, Francesca Ceccherini-Silberstein, Gibran Horemheb Rubio Quintanares, Matlim Mwu, Cristina Toscano, Maurizio Zazzi, Alessandro Cozzi-Lepri, Anders Sönnerborg, Pontus Nauclér, for the EuCARE WP3

Effects of Pitavastatin on COVID-19 Incidence and Seriousness Among People With HIV

The Effect of COVID-19 Infection on Fat, Lean Mass, and Bone Mineral Density
Ornina Atieh, Jared Durieux, Jhony Baissary, Christian F. Mouchati, Danielle Labbato, Grace A. McComsey

ICU-Acquired Infections More Common in Patients With COVID-19 Than in Patients With Influenza
Josefine Beck-Friis, Magnus Gisslén, Aylin Yilmaz, Anna Lindblom, Jonatan Oras

Plasma Thrombomodulin Predicts Thrombotic Events & Mortality in Patients Hospitalized With COVID-19
Sergio Padilla, Pascual Marco, Ana Marco-Rico, Christian Ledesma, Carolina Ding, Marta Fernández-González, Alba de la Rica, Javier García-Abellán, Paula Mascarell, Angela Botella, Nuria Ena, Lidia García, Jose Carlos Asenjo, Mar Masías, Félix Gutiérrez

Decline in Time to Recovery From Mild-Moderate COVID-19 in a Large Platform Placebo-Controlled Trial
Ahmad Mourad, Yue Gao, Thomas Stewart, Adrian F. Hernandez, Susanna Naggie, Christopher J. Lindell, for the Accelerating COVID-19 Therapeutic Interventions and Vaccines (ACTIV)-6 Study Group and Investigators
Poster Session-N4 | Mortality Risk in Cryptococcal Meningitis and Other Invasive Mycoses
2:30 PM - 4:00 PM • Poster Hall C-D

885  Suppression of Immunoglobulin Production and Mortality in HIV-Associated Cryptococcal Meningitis
Ronan Doyle, F. Kathryn Boyd, David S. Lawrence, Kwana Lechiile, Tshepo B. Leeme, Nabila Youssouf, Thomas S. Harrison, Cecilia Kanyama, Mosepele Mosepele, Henry C. Mwandumba, Chiratidzo Ndhlovu, James Scriven, Joseph N. Jarvis, for the AMBITION Study Group

886  Recent ART Initiation and Mortality Risk in HIV-Associated Cryptococcal Meningitis
Melanie Moyo, Newton Kalata, James Jafali, David S. Lawrence, Síle Molloy, Henry C. Mwandumba, Johnstone J. Kumwenda, Thomas S. Harrison, Joseph N. Jarvis, for AMBITION-cm and ACTA

887  CSF HIV Viral Escape Is Associated With Improved Survival in Adults With HIV-Associated Meningitis
Jayne P. Ellis, Biyue Dai, Laura Nsangi, Gila Hale, Emmanuel Mande, Jane Gakuru, Enock Kagimu, Timothy Mugabi, Suzan Namombwe, Derrick Kasozi, Sara Kimuda, Asmus Tukundane, David B. Meya, David R. Boulware, Fiona Cresswell

888  Quantitative Antifungal Activity of Daily Liposomal Amphotericin With 5FC in Cryptococcal Meningitis
David R. Boulware, Biyue Dai, Laura Nsangi, Jane Gakuru, Enock Kagimu, Enos Kigozi, Timothy Mugabi, Derrick Kasozi, Suzan Namombwe, Sara Kimuda, Jayne P. Ellis, Caleb P. Skipper, Ann Fieberg, Conrad Muzoora, David B. Meya

889  IgG Responses Are Associated With Severe Disease and Mortality in AIDS-Associated Talaromycosis
Shanti Narayanasamy, Matthew T. Burke, Ngo Thi Hoa, Thuy Le, Thu T. Nguyen, Vo Trieu Ly

Poster Session-03 | Chronic Diseases, Pregnancy, and HIV
2:30 PM - 4:00 PM • Poster Hall C-D

910  Hypertension in Pregnant Persons by HIV Status and by DTG vs EFV Use in Botswana
Denise L. Jacobson, Modiegi Diseko, Judith Mabuta, Ellen Caniglia, Kathleen M. Powis, Lynn Yee, Joseph M. Makhema, Shahin Lockman, Roger Shapiro, Rebecca Zash

911  Gestational Diabetes in South African Women With HIV on Dolutegravir: Results From the ORCHID Study
Jennifer Jao, Elton Mukonda, Landon Myer, Elaine J. Abrams, HLengiwe Madlala, Jack Hu, Jody Rusch, Jami Josefson, Julia Goedecke, Patrick Catalano

912  Pregnancy History Affects Age-Related Comorbidity Burden in US Women With and Without HIV
Lauren F. Collins, Cyra C. Mehta, Ava Cox, Qian Yang, Tina Tisdale, Martina Badell, Igbo Ofoetokun, Daniel Westreich, Adaora Adimora, Seble Kassaye, Elizabeth F. Topper, Deborah Konkle-Parker, Aadia Rana, Maria L. Alcaide, Anandi N. Sheth
Maternal HIV Is Associated With Lower Risk of Preeclampsia Among Zambian Women

Katelyn J. Rittenhouse, Margaret Kasaro, M. Bridget Spelke, Yuri Sebastiao, Humphrey Mwape, Kenneth Chanda, Nelly Mandona, Bellington Vwalika, Jeffrey S. Stringer

Pregnancy Inflammatory Markers Predict Postpartum Weight in South African People Living With HIV


Changes in Body Composition During Pregnancy in South African Women Living With HIV on ART


Association of HIV and Dolutegravir With Changes in Blood Pressure During Pregnancy and Postpartum

Landon Myer, Elaine J. Abrams, Mustafa Shuaib, Hlengiwe P. Madlala, Sandisiwe Matyseni, Phindi Zwane, Allison Zerbe, Justine Legbedze, Elton Mukonda, Jennifer Jao

High Proportions of Adverse Births in Women With HIV and Non-Communicable Disease Comorbidities

Amohelang Lehloa, Emma Kalk, Mary-Ann Davies, Dorothy Nyemba, Ushma Mehta, Thokozile R. Malaba, Gregory Petro, Andrew Boulle, Landon Myer, Hlengiwe P. Madlala

DTG Versus EFV Initiation in Pregnancy Is Not Associated With Postpartum Blood Pressure

Thokozile R. Malaba, Sylvia Nasiwa, Nengjie He, Helen Reynolds, Jim Read, Lucy Read, Catherine Orrell, Angela Colbers, Catriona Waitt, Mohammed Lamorde, Saye Khoo, Duolao Wang, Landon Myer, for the DolPHIN-2 Study Group

The Impact of HIV and the Postpartum Period on the Gut Microbiota in South African Women


Arteriolar Dysfunction in Placentas of HIV-Exposed, Small-for-Gestational-Age Neonates

Rachel K. Scott, Jason Umans, Sean Dalby, Katherine Michel, Christopher Wilcox, Dan Wang

A Target Trial of Preconception Switch From Nevirapine- to Dolutegravir-Based ART on Birth Outcomes

Ellen Caniglia, Rebecca Zash, Modiegi Diseko, Judith Mabuta, Mompati Mmalane, Shahin Lockman, Gloria K. Mayondi, Gaerolwe Masheto, Joseph M. Makhema, Roger Shapiro
HIV and Syphilis Coinfection in Pregnancy and Adverse Birth Outcomes in Uganda


Benjamin H. Chi, Deborah Kacanek, Emily Brown, K. Rivet Amico, Sharon Huang, Teacler Nematadzira, Elizae Horne, Clemensia Nakabiito, Sharon K. Mambiya, Violet Korutaro, Benjamin Johnston, James F. Rooney, Lynda Stranix-Chibanda, for the IMPAACT 2009 Study Team

Outcomes Following Prenatal Exposure to Raltegravir: A Multicohort European Study

Rebecca Sconza, Georgina Fernandes, Karoline Aebi-Popp, Luminita Ene, Antoinette Frick, Anna Gamell, Marta Ilían Ramos, Christian Kahler, Helen Peters, Luís M. Prieto Tato, Anna Samariana, Carlo Giaquinto, Claire Thorne, for the EPPICC Pregnancy Study Group

Birth Outcomes Following Bictegravir Use During Pregnancy

Rosemary M. Olivero, Paige L. Williams, George Sawyer, Lynn Yee, Kunjal Patel, Sonia Hernandez-Diaz, Kathleen M. Powis, Mary Paul, Ellen G. Chadwick, for the Pediatric HIV/AIDS Cohort Study (PHACS)

First Trimester Exposure to Newer Antiretroviral Agents and Congenital Anomalies in a US Cohort

Kelly Fung, Sonia Hernandez-Diaz, Rebecca Zash, Ellen G. Chadwick, Russell Van Dyke, Carly Broadwell, Jennifer Jao, Kathleen M. Powis, Lynn Yee, Paige L. Williams, for the Pediatric HIV/AIDS Cohort Study (PHACS)

Cancer Incidence in Children Who Are HIV-Exposed and Uninfected in England: Data Linkage Study

Laurette L. Bukasa, Claire Thorne, Mario Cortina-Borja, Helen Peters, Pia Hardelid

Maternal Imprinted Immune Perturbations in HIV-Exposed Uninfected (HEU) Infants Persist for 6 Months


Brain Structure of South African HEU Children Exposed to Dolutegravir versus Efavirenz

Layla E. Bradford, Jessica E. Ringshaw, Catherine J. Wedderburn, Niall J. Bourke, Helene Theunissen, Thokozile R. Malaba, Lauren Davel, Nengjie He, Helen Reynolds, Angela Colbers, Duolao Wang, Saye Khoo, Landon Myer, Kirsten A. Donald
Neurodevelopment in Children Exposed In Utero to Dolutegravir- or Efavirenz-Based ART in Botswana
Adam R. Cassidy, Gloria K. Mayondi, Kebaipehe Moabi, Allison LeMahieu, Paige L. Williams, Naledi Kamanga, Kathleen M. Powis, Dinah Ramabuya, Francis Banda, Joseph M. Makhema, Betsy Kammerer, Shahin Lockman

Prenatal PrEP Exposure and Neurodevelopment Among Children at 48 months
Lauren A. Gomez, John Kinuthia, Felix Abuna, Sarah Benki-Nugent, Julia Dettinger, Anna Larsen, Mary Marwa, Ben Ochieng, Nancy Ngumbay, Salphine Watoyi, Joshua Stern, Barbra Richardson, Grace John-Stewart, Jillian Pintye

Simplifying Dosing by Harmonizing Weight-Band-Based Dosing Across Therapeutic Areas in Children
Hylke Waalewijn, Mounier Almett, Roeland E. Wasmann, Tim R. Cressey, Phillipa Easterbrook, Peter Ezhizube Olumese, Anneke C. Hesseling, Joel Tarning, Anna Turkova, Elin Svensson, Angela Colbers, Wilson M. Were, Paolo Dentì, Martina Penazzato

Single-Dose PK/Safety of DTG-Dispersible Tablets in Neonates Supports Multi-Dosing: Petite-DTG Study
Adrie Bekker, Nicolas Salvadori, Helena Rabie, Samantha du Toit, Kanchana Than-in-at, Maria Groenewald, Edmund Capparelli, Andrew Owen, Ratchada Cressy, Marc Lallemant, Mark F. Cotton, Tim R. Cressy, for the PETITE-DTG Study Team

Lamivudine (3TC) Dosing for Preterm Neonates Exposed to HIV
Adrie Bekker, Edmund Capparelli, Mark Mirochnick, Diana F. Clarke, Mark F. Cotton, Roger Shapiro, Katie McCarthy, Jack Moye, Avery Violari, Kulkanya Chokephaibulkit, Elaine J. Abrams, Martina Penazzato, Theodore Ruel, Tim R. Cressy

High Drug Exposures in Neonates Using ABC/3TC Dispersible Tablets During the First Week of Life
Navarat Panjasawatwong, Adrie Bekker, Helena Rabie, Nicolas Salvadori, Samantha du Toit, Kanchana Than-in-at, Maria Groenewald, Edmund Capparelli, Ratchada Cressy, Marc Lallemant, Mark F. Cotton, Tim R. Cressy, for the PETITE study team

A Single Once Daily ABC/DTG/3TC Tablet Predicts Safe and Effective Exposures in Children 3 to <6kg
Hardik Chandasana, Kristina M. Brooks, Ann M. Buchanan, Lionel Tan, Hilda A. Mujuru, Angela Colbers, Judy Hopking, Marika Ciuffa, Michael McKenna, Andrew Wiznia, Sean Brummel, Adrie Bekker, Tim R. Cressy, Helena Rabie

Population Pharmacokinetics of ABC/DTG/3TC FDC to Support Dosing in Peds With HIV-1: IMPAACT 2019
Hardik Chandasana, Sven C. van Dijken, Rashmi Mehta, Mark Bush, Helena Rabie, Patricia M. Flynn, Tim R. Cressy, Edward Acosta, Kristina M. Brooks, for the IMPAACT 2019 Protocol Team
Pharmacokinetics of Once-Daily DTG/3TC FDC in Children Living With HIV: D3/PENTA21 Sub-Study
Lisanne Bevers, Man Chan, Dickson Bbuye, Adeodata R. Kekitiinwa, Cissy Kityo, Elizabeth Kaudha, Grace M. Ahimbisibwe, Tiyara Arumugan, Tumelo Moloantoa, Justine Boles, Isabelle Deprez, Carlo Giaquinto, Anna Turkova, Angela Colbers, for the D3/PENTA21 Trial Team

Pediatric PBPK Scaling Model for a New Long-Acting, 3 HIV Drug Combination in a Single Injection
Simone Perazzolo, Zachary R. Stephen, Rachele Delle Fratte, Rachel A. Bender Ignacio, Christine Jonsson, Matthew Hartman, Pablo Belaunzaranzamudio, Keith W. Crawford, Brett Hanscom, Ann C. Collier, Ann J. Melvin, Rodney J. Ho

Bone Mineral Density in Children With HIV-1 Receiving TAF-Based Antiretroviral Therapy
N. Rakhmanina, Aditya Gaur, Jaime G. Deville, Pope Kosalaraksa, Renate Strehlau, Eva Natukunda, Elizabeth Castano, Vinicius A. Vieira, Kathryn Kersey, Rory Leisegang, Susanne Crowe, Catherine Gordon

IMPAACT 2017 Adolescent/Parent Experiences With LA Cabotegravir Plus Rilpivirine for HIV Treatment

Cabotegravir PopPK Analysis of Adults & Adolescents Living With/At Risk for HIV Receiving PrEP
Yu-Wei Lin, S. Y. Amy Cheung, Isabelle Deprez, Susan Ford, Jon Collins, Cindy McCoig, Conn M. Harrington, Aditya Gaur, Carolyn Bolton, Lynda Stranix-Chibanda, Sybil Hosek, Mark Marzinke, Brookie Best, Edmund Capparelli, for the IMPAACT 2017 Team

High Proportion of False-Positive HIV Results With Point-of-Care Birth Testing in Botswana
Gbolahan Ajibola, Nyaladzi Maphorisa, Aischa Niesar, Terence Mohammed, Maureen SakolMosethi, Oganee Batlang, Sikhullie Moyo, Molly Pretorius Holme, Kathleen M. Powis, Shahin Lockman, Joseph M. Makhema, Mathias Lichterfeld, Roger Shapiro

Rapid Antiretroviral Therapy Initiation Following Point-of-Care Early Infant Diagnosis in Uganda
Stella M. Migamba, Tamara N. Nyombi, Edirisa Nsubuga, Andrew Kwiringira, Benon Kwesiga, Steven N. Kabwama, Mary Nakafeero, Daniel Kadobera, Phoebe Mayambala, Lilian Bulage, Alex Ario, Julie Harris

Resistance in Young Children Newly–Diagnosed With HIV in Western Cape, South Africa
CMV Viraemia Is Associated With Mortality Among Children With HIV Starting ART in Sub-Saharan Africa

Temitope Fisayo, Ceri Evans, Kuda Mutasa, Moira Spyer, Sandra Rukobo, Dagmar Alber, Mutswashe Bwakura-Dangarembizi, Victor Musiime, Kusum Nathoo, Adeodata R. Kekitiinwa, Cissy Kityo, Diana Gibb, Nigel Klein, Sarah Walker, Andrew Prendergast

Sex Differences in Growth Trajectories Between Early-Treated Infants With HIV and Controls

Ana Barrios-Tascon, Renate Strehlau, Faezah Patel, Megan Burke, Stephanie Shiau, Yanhan Shen, Stephen M. Arpadi, Elaine J. Abrams, Caroline T. Tiemessen, Louise Kuhn, for the LEOPARD Study Team

1 in 5 Sub-Saharan Infants Switches From Undetectable to Detectable HIV Viral Load During Follow-Up

Sheila Fernández-Luis, Sara Domínguez-Rodríguez, Louise Kuhn, Mark F. Cotton, Carlo Giaquinto, Paolo Rossi, Anaite Janse van Rensburg, Avy Violari, Maria Grazia Lain, Elisa López-Varela, Mariam Sylla, Pauline Amugue, Pablo Rojo, Alfredo Tagarro, for EPICAL

Causes of Death After Early ART in Infants Living With HIV From 3 Sub-Saharan African Countries

Alfredo Tagarro, Sheila Fernández-Luis, Sara Domínguez-Rodríguez, Alvaro Ballesteros, Louise Kuhn, Mark F. Cotton, Carlo Giaquinto, Paolo Rossi, Moira Spyer, Kennedy Owombe, Osee Behuhuma, Paula Vaz, Caroline Foster, Pablo Rojo, for EPICAL

Usefulness of Clinical Signs for Tuberculosis Diagnosis in Infants Living With HIV With Pneumonia

Tisungane Mvalo, Cinta Moraleda, William C. Buck, Victor Musiime, Sara Domínguez-Rodríguez, Chishala Chabala, Hilda A. Mujuru, Alfredo Tagarro, Pui-Ying Iroh Tam, Jahit Sacarlal, Abner Tagoola, John Tembo, Sheila Fernández-Luis, Pablo Rojo, for the EMPIRICAL Clinical Trial Group

No Early Signal That DTG Improves 24-Week Viral Suppression in Infants in Botswana

Maureen Sakoi-Mosetlhi, Gbolahan Ajibola, Oganne Batlang, Kenneth Maswabi, Molly Pretorius Holme, Kathleen M. Powis, Shahin Lockman, Michael D. Hughes, Joseph M. Makhema, Daniel R. Kuritzkes, Mathias Lichterfeld, Roger Shapiro

HIV Viral Suppression Among Children and Adolescents 2 Years After Transition to Dolutegravir

Akash Devendra, Maurus Kohler, Motlatsi Letsika, Hape Khooa, Lipontšo Motaboli, Malebanye Lerotholi, Nadine Tschumi, Niklaus D. Labhardt, Jennifer A. Brown

Longitudinal Viral Outcomes in Kenyan Youth With HIV Switching to Dolutegravir-Based Therapy

Vlad Novitsky, Winstone Nyandiko, Allison DeLong, Edwin Sang, Joel Hague, Ashley Chory, Josephine Aluoch, Eslyne Jepkemboi, Millicent Orido, Joseph Hogan, Rachel Vreeman, Rami Kantor
Poster Sessions

**Global Transition to Dolutegravir-Based ART in Children and Adolescents 0-19 Years Living With HIV**

Sophie Desmonde, Kim Anderson, Joyce Bwami, Du tuan Quy, Winstone Nyandiko, Christella Twizere, Marco T. Luque, Renee De Waal, Vohith Khol, Patricia Lelo, Vanessa Rouzier, Frankie Odhiambo, Valeriane Leroy, for IeDEA

**Treatment Interruption Patterns Among Young People in USAID-Supported PEPFAR Programs**

Tishina Okegbe, Lana Lee, Nashiva McDavid, Madeline Schneider

**Dolutegravir and Growth in Pediatric Populations With HIV-1: IMPAACT P1093 and IMPAACT 2019**

Michael McKenna, Zrinka Lulic, Ann M. Buchanan, Cynthia Brothers, Lionel Tan, Marcia Wang, Sean Brummel, Lauren Ziemba, Theodore Ruel, Patricia M. Flynn, Helena Rabie, Andrew Wiznia

**Pharmaco-Virological Outcome and Resistance Profiles Among Togolese Adolescents Transitioning to DTG**

Yao R. Konu, Elom Takassi, Gilles Peytavin, Nina Dapam, Florence Diamond, Adama Oumarou, Meryem Zaidi, Anna-Maria Franco-Yusti, Quentin Le Hingrat, Romain Coppée, Claver Anoumou Dagnna, Diane Descamps, Didier Koumavi Ekouevi, Charlotte Charpentier

**Emerging Integrase Resistance in the Perinatal Virtual Clinic: The Need for Protease Inhibitors**

Caroline Foster, Ayolola Eni-Olutu, Angela Bailey, Alasdair Bamford, Hermione Lyall, Julia Kenny, Leon Levin, Katherine R. Simon, Tiago Milheiro Silva, Neil Tickner, Anna Turkova, Steven Welch, Nicola Mackie, for the Perinatal Virtual Clinic

**Disparities in HIV Care Among Hispanic/Latino Persons by Birthplace and SVI: United States, 2021**

Juliet A. Morales, Zanetta Gant Sumner, Xiaohong Hu, Shacara Johnson Lyons, Anna Satcher Johnson

**Prevalence of HIV Testing and HIV Positivity in the Hispanic Community Health Study/Study of Latinos**

Mario J. Trejo, Jonathan Ross, Robert Kaplan, Tonía C. Poteat, Linda C. Gallo, Krista M. Perreira, Bonnie E. Shook-Sa, Gregory A. Talavera, David B. Hanna

**Association Between Social Vulnerability, HIV Testing, and Positivity: United States, 2020-2022**

Wei Song, Mesfin S. Mulatu, Nicole Crepaz, Guoshen Wang, Aba Essuon, Mingjing Xia

**Using the ICE Method to Examine Income/Racial Segregation and HIV Outcomes: US, 2021**

Zanetta Gant Sumner, André Dailey, Xiaohong Hu, Shacara Johnson Lyons, Anna Satcher Johnson
1020 The TIME Study: Trans People Living With HIV Throughout Europe: Clinical Outcomes and Stigma

Jo Smith, Jose Eduardo de Carvalho Peres, Sujin Kang, Tara Suchak, Lorena de la Mora Cañizo, Amanda Clarke, Tanya Adams, Sally Jewsbury, Yu Tang, Andrea Calcagno, Emanuele Drappero, Anna Serra, Maria Mazzitelli, Annamaria Cattelan, Marta Boffito, for the TIME Study Group

1021 Hazardous Impact of Social Determinants of Health on HIV Incidence in Brazilian Transgender Women

Carolina Coutinho, Emilia M. Jailil, Eduardo M. Peixoto, Laylla Monteiro, Biancka Fernandes, Mayara Secco Torres da Silva, Monica D. Pedrosa, Cristiane R. Castro, Marcos D. Sousa, Ruth K. Friedman, Ronaldo Moreira, Sandra W. Cardoso, Valdileia Veloso, Beatriz Grinsztejn

---

**Poster Session-Q4 | HIV Incidence, Prevalence, and Risk Factors**

2:30 PM - 4:00 PM • Poster Hall C-D

---

1022 HIV Situation in Areas Surrounding Larkana: Findings From Community Test and Treat Implementation

Muhammad S. Jamil, Muhammad S. Pasha, Tanweer Hussain, Shahida Memon, Atif Ali, Altaf A. Soomro, Saima Mushtaq, Sikandar Memon, Joumana Hermez

1023 Narrowing Disparities in HIV Incidence Between Males and Females in Rural KwaZulu-Natal South Africa

Elphas Okango, Paul Mee, Khai Hoan Tram, Hae-Young Kim, Alex Edwards, Dickman Gareta, Maxime Inghels, Kobus Herbst, Henry Mwambi, Adrian Dobra, Frank Tanser

1024 Rapidly Changing Socio-Economic Patterns of HIV Incidence in Rural KwaZulu-Natal, South Africa

Paul Mee, Elphas Okango, Hae-Young Kim, Adrian Dobra, Khai Hoan Tram, Dickman Gareta, Kobus Herbst, Frank Tanser

1025 Ultra-High Resolution GPS to Measure Human Mobility in High HIV Prevalence Areas in Rural S. Africa

Khai Hoan Tram, Elphas Okango, Thulile Mathenjwa, Paul Mee, Hae-Young Kim, Till Bärnighausen, Adrian Dobra, Frank Tanser

1026 HIV Seroprevalence, Incidence, and Viral Suppression Among Ugandan Female Barworkers

Xinyi Feng, Slisha Shretheta, Fred Nalugoda, Godfrey Kigozi, Robert Ssekubugu, Larry W. Chang, Andrea Wirtz, Caitlin E. Kennedy, Arthur G. Fitzmaurice, Gertrude Nakiqozi, Aaron A. R. Tobian, Steven J. Reynolds, Joseph Kagaayi, Mary Kate Grabowski

1027 Large Decline in HIV Prevalence Among Female Sex Workers in Zimbabwe, 2011-2023

1028 HIV Incidence by Self-Reported Frequency of Condom Use: A Population-Based Cohort Study in Uganda

1029 An HIV-1 Risk Assessment Tool for Women in 15 African Countries: A Machine Learning Approach
Nora E. Rosenberg, Bonnie E. Shook-Sa, Amber M. Young, Yating Zou, Lynda Stranix-Chibanda, Marcel Yotebieng, Nadia Sam-Agudu, Sam Phiri, Linda-Gail Bekker, Sizulu Moyo, Manhattan Charurat, Jessica E. Justman, Michael Hudgens, Benjamin H. Chi

1030 Recent HIV Infections and HIV Incidence in PrEP Among Adolescents From Key Populations in Brazil
Diana Reyna Zeballas Rivas, Fabiane Soares, Laio Magno, Celia Landmann, Orlando Ferreira, Matheus Westin, Dirceu Greco, Alexandre Grangeiro, Ines Dourado, for the PrEP1519 Study Group

1031 HIV Incidence and Factors Associated With Never Testing for HIV Among Young MSM: Conectad@s Study
Sylvia L.M. Teixeira, Emilia Jalil, Cristina M. Jalil, Rodrigo Scarparo, Valdilea Veloso, Erin Wilson, Willi McFarland, Beatriz Grinsztejn, Thiago S. Torres, for the Conectad@s Study Team

1032 Declines in HIV Incidence Among Gay, Bisexual and Other MSM in Vancouver, Canada, 2012-19 to 2017-23
David Moore, Lu Wang, Allan Lal, Justin Barath, Julio S. Montaner, Mark Hull, Junine Toy, Viviane Dias Lima, Paul Sereda, Robert Hogg, Nathan Lachowsky

1033 62% of New HIV Infections and 63% of Deaths Now Reported in Countries Outside Southern/East Africa
Toby Pepperrell, Andrew Hill

1034 Factors Associated With Low-Level Viremia in People Living With HIV: 9-Year Retrospective Study
Eunmi Yang, Doh Hee Kim, Subin Kim, Mi Young Ahn, Dong Hyun Oh, Jae-Phil Choi

1035 Incidence of Viral Rebound and Associated Risk Factors Among Adults Living With HIV in Tanzania

1036 Detectable Viral Load Predicts Virological Failure at Follow-Up
Pido Bongomin, Victor Williams, Normusa Musarapasi, Magnus Beneus, Makhosazana Dlamini, Thokozani Maseko, Phetsile Mduli, Elisha Nyandoro, Rhinos Chekenyere, Rufaro Mapaona, Clara Nyapokoto, Arnold Mafukidze, Deus Bazira, Samson Haumba, Sylvia Ojoo
1037 HIV Data Informed Care: Using Routine Data to Identify Persons at Risk of Developing Viremia
Thomas Martin, Ravi Goyal, Gordon Honerkamp Smith, Alan Wells, Samantha Tweeten, Diana Corona-Mata, Susan J. Little

1038 Longitudinal Viral Load Clustering for People With HIV Using Functional Principal Component Analysis
Jiayang Xiao, Yunqing Ma, Xueying Yang, Bankole Olatosi, Xiaoming Li, Jiajia Zhang

Poster Session-R3 | Self-Testing, Adherence, and Drug Resistance Monitoring
2:30 PM - 4:00 PM • Poster Hall C-D

1097 Method for Analyzing Cabotegravir and Rilpivirine in Hair May Help Identify Risk Factors for Failure
Monica Gandhi, Alexander Louie, Matthew Spinelli, Jennifer Velloza, Catherine A. Koss, Andrew Riselli, Pieter Van Brantegem, Erica Beckerdite, Hana Rivera Garza, Karen Kuncze, Hideaki Okochi

1098 Toward Near-Patient HIV Drug Level Feedback: Implementing an Enzymatic Assay on a Portable Reader
Megan Chang, John Tatka, Cosette Craig, Shane Gilligan-Steinberg, Nuttada Panpradist, Barry Lutz, Ayokunle Olanrewaju

1099 Full Pol-Gene PCR and Rapid ONT Library Preparation for Accurate Drug Resistance Sequencing

1100 A Rapid Emtricitabine Urine Lateral Flow Assay for Monitoring Daily Adherence to ART and PrEP
Thomas H. Vanderford, Xierong Wei, Ae S. Youngpairoj, Ayanna Green, Richard Haaland, Jeffrey A. Johnson, Walid Heneine

1101 User-Friendly and Efficient Multiplex HIV, Syphilis, and Hepatitis B & C Self-Screening in Thailand
Nicolas Salvador, Jullapong Achalapong, Thitipan Akarasereenont, Sawitree Nangola, Chiraphat Kloypan, Eakkapote Prompunt, Naruepon Wongpruesin, Surachet Arunothong, Woottichai Khamduang, Nicole Ngo-Giang-Huong, Sakorn Pornprasert, Sumet Ongwandee, Gonzague Jourdain, for the Napneung Project Team

1102 Effectiveness of Using HIV Self-Tests as an Incentive for Testing Within Assisted Partner Services
Unmesha Roy Paladhi, David Katz, George Otieno, James P. Hughes, Harsha Thirumurthy, Harison Lagat, Sarah Masyuko, Monisha Sharma, Paul Macharia, Rose Bosire, Mary Mugambi, Edward Kariithi, Carey Farquhar
Weiming Zhu, Ya-Lin A. Huang, Kevin Delaney, Athena Kourtis, Karen W. Hoover

Evidence of HIV Infection Prior to Rapid Antibody Test Positivity in PrEP Breakthrough Infections
Vivian I. Avelino-Silva, Mars Stone, Sonia Bakkour, Clara Di Germanio, Michael Schmidt, Ashtyn Conway, David Wright, Brian Custer, Steven Kleinman, Jairam Lingappa, Patricia Defechereux, Megha Mehrotra, Robert Grant, Michael P. Busch, Philip P. Norris

Costs and Clinic Flow of Point-of-Care Urine Tenofovir and HIV Viral Load Testing in South Africa
Melody Wang, Pravi Moodley, Mlungisi Khanyile, Elliot Bulo, Makhosazane Zondi, Keshani Naidoo, Yukteshwar Sookraji, JiENCHI Dorward, Nigel Garrett, Paul K. Drain, Monisha Sharma

A Capillary Blood-Based Self-Collection Method for Monitoring HIV Viral Load During ART Interruption
Livio Azzoni, Daniel S. Rosenbloom, Jessicamarie Morris, Jennifer Nguyen, Brian N. Ross, Matthew Fair, Emmanouil Papasavvas, Kenneth Lynn, Emily Hiserodt, Brian Squadroni, Brad R. Evans, Pablo Tebas, Karam Mounzer, Bonnie Howell, Luis J. Montaner

Drug Level Monitoring for PrEP Users: Feasible and Acceptable, but Is It Necessary?
Erica R.M. Pool, Abigail Severn, Jose L. Paredes Sosa, Oliver Stirrup, Claire-Marie Mullender, Marzia Fiorino, Manik Kohli, Irfaan Maan, Rhiannon Owen, Deirdre Sally, Emmi Suonpera, David Dunn, Richard Gilson, John Saunders

A Point-of-Care Urine Test Improves Accuracy of Self-Reported PrEP Adherence Among Women in Uganda
Kidist Zewdie, Timothy Muwonge, Timothy Ssebuliba, Felix Bambia, Josephine Badaru, Olivia Nampewo, Gabrielle Stein, Kenneth K. Mugwanya, Katherine K. Thomas, Christina Wyatt, Michael T. Yin, Monica Gandhi, Andrew Mujugira, Renee Heffron

PrEP Counseling Based on a Tenofovir Urine Assay Decreases Overall Non-Adherence Among Kenyan Women
Monica Gandhi, David V. Gildden, Matthew A. Spinelli, Charlene Biwott, Gakuho Maina, Irene Njeru, Catherine Kiptinness, Phelix Okello, Pumba Chatterjee, Guohong Wang, Vallery Ogello, Hideaki Okochi, Deepalika Chakravarty, Nelly R. Mugo, Kenneth Ngure
114 Point-of-Care Urine Tenofovir Test Predicts Future PrEP Discontinuation Among Young PrEP Users
Matthew A. Spinelli, Rikki Montoya, Carlos Morerira, Karen Kuncze, Kevin Sassaman, David V. Glidden, K Rivet Amico, Emily Arnold, Susan P. Buchbinder, Leah Davis Ewart, Adam Carrico, Guohong Wang, Hideaki Okochi, Hyman Scott, Monica Gandhi

1115 Accuracy of PrEP Adherence Measures Among Transwomen and Young MSM in Latin America: ImPrEP Study
Thiago S. Torres, Mayara Secco Torres da Silva, Carolina Coutinho, Pedro Leite, Ronaldo Moreira, Brenda Hoagland, Juan V. Guanira, Marcos Benedetti, Hamid Vega, Sergio Bautista, Carlos Caceres, Peter L. Anderson, Beatriz Grinsztejn, Valdilea Veloso, for the ImPrEP Study Group

Poster Session-S3 | PrEP Implementation Around the World: Successes, Challenges, and Disparities
2:30 PM - 4:00 PM • Poster Hall C-D

Patrick S. Sullivan, Eric Hall, Heather Bradley, Travis H. Sanchez, Elizabeth S. Russell

1117 Out-of-Pocket Payments for PrEP Ancillary Services Among US Commercially—Insured Persons, 2017-2021
Ya-Lin A. Huang, Weiming Zhu, Sloane A. Bowman, Karen W. Hoover

1118 PrEP Indicators by Race/Ethnicity Among Heterosexual Women Receiving CDC-Funded HIV Testing Services
Deesha Patel, Weston O. Williams, Carolyn Wright, Shalindel Benton, Mesfin S. Mulatu

1119 Optimizing PrEP Outcomes for MSM Who Sell Sex: The Role of Stigma, Violence, and Mental Health
Kaitlyn Atkins, John Mark Wiginton, Thomas Carpino, Travis H. Sanchez, Stefan Baral

1120 Behavioral and Structural Interventions for PrEP Adherence Among Young Female Sex Workers in Kenya
Kawango Agot, Domenique M. Reed, Matthew R. Lamb, Dan Omollo, Julie Franks, Jane Moraa, Joanne E. Mantell, Allison Zerbe, Timothy Okello, Maria Lahuerta, Doris Naitore, Wafaa El-Sadr

1121 Factors Associated With Inadequate PrEP Adherence Among TGW and Young MSM: ImPrEP Study
Mayara Secco Torres da Silva, Thiago S. Torres, Carolina Coutinho, Iuri Leite, Ronaldo Moreira, Brenda Hoagland, Cristina Pimenta, Kekila A. Konda, Hamid Vega, Sergio Bautista, Carlos Caceres, Peter L. Anderson, Valdilea Veloso, Beatriz Grinsztejn, for the ImPrEP Study Group

1122 Alcohol Use and the Preexposure Prophylaxis Continuum of Care Among Men in Rural South Africa
Alison C. Castle, Jacob Busang, Jaco Dreyer, Carina Herbst, Nonhlanhla Okesola, Natsayi Chimbindi, Thembelihle Zuma, Jana Jarolimova, Christina Psaros, Judith Hahn, Sheela Shenoi, Maryam Shahmanesh, Mark J. Siedner
Characterizing HIV Preexposure Prophylaxis (PrEP) Discontinuation Among Men Who Have Sex With Men
Wenting Huang, Travis H. Sanchez, Marissa J. Hannah, Kelsey C. Coy, Cristian S. Acero, Aaron J. Siegler

PrEP Non-Persistence and New HIV Diagnoses: A Real-World Analysis of >120,000 People Prescribed PrEP
Li Tao, Juan Yang, J C. Hojilla, Anand P. Chokkalingam, Christoph Carter, Moupali Das

Outcomes of a Community-Clinic Hybrid PrEP Trial in China During COVID Lockdowns, 2021-2023
Zhuoheng Yin, Yifan Dai, Chengxin Fan, Gifty Marley, Chunyan Li, Songjie Wu, Quamin Li, Joseph D. Tucker, Jonathan Lio, Haojie Huang, Ke Liang, Linqhua Li, Aniruddha Hazra, Renslow Sherer, Weiming Tang

Homelessness, HIV Vulnerability, and PrEP Willingness Among Young Transgender Women in Lima, Peru
Dorothy Apedaile, Alfonso Silva-Santistebean, Leyla Huerta, Segundo R. Leon, Sari Reisner, Amaya Perez-Brumer

PrEP Uptake and Persistence Among Incarcerated People in Zambia: Early Results From a Cohort Study
Cassidy W. Claassen, Brianna Lindsay, Muyunda Siyambango, Linah Mwango, Caitlin Baumhart, Nasho Nyirongo, Gideon Daka, Clement Moonga, Chiti Bwalya, Maurice Musheke, Michael Herce

Social Determinants of Health and PrEP Uptake in the US: Repeated Measures Correlational Study
Hollie David, Alan Wells, Susan J. Little, Sanjay R. Mehta, Thomas Martin

Association of US Medicaid Expansion and Number of Persons Prescribed PrEP, 2017-2021
Karen W. Hoover, Weiming Zhu, Sheila Salvant Valentine, Ya-Lin A. Huang

Tanuja N. Gengiah, Craig J. Heck, Lara Lewis, Leila E. Mansoor, Ishana Harkoo, Diana Chetty, Nqobile Myeni, Marc M. Baum, John A. Moss, James F. Rooney, Catherine Hankins, Bruno Pozzetto, Quarraisha Abdool Karim, Salim S. Abdool Karim

Safety and Pharmacokinetics of Ultra-Long-Acting Dolutegravir In-Situ Forming Implant
Thy Le, Isabella C. Young, Craig Sykes, Amanda P. Schauer, Mackenzie Cottrell, Angela D. Kashuba, S. Rahima Bhenhhabour

RCT of Lactobacillus crispatus CTV-05 to Lower HIV Risk in Young South African Women
Anke Hemmerling, Caroline Mitchell, Suuba Demby, Musie Gebremichael, Joseph Elsherbini, Jiawu Xu, Nondumiso Xulu, Johnathan Shih, Krista L. Dong, Vaneshee Govender, Vanessa S. Pillay, Thomas P. Parks, Thumzi Ndung’u, Doug S. Kwon, Craig R. Cohen
A Dual Prevention Pill for HIV and Pregnancy Prevention: A Pilot Study Among Young Women in Zimbabwe
Barbara A. Friedland, Brady Zieman, Sanyukta Mathur, Irene V. Bruce, Adlight Dandadzi, Petina Musara, Caroline Murombedzi, Lisa B. Haddad, Nyaradzo Mgodi

Poster Session-T5 | New Directions in Sexual and Reproductive Health and HIV Prevention
2:30 PM - 4:00 PM - Poster Hall C-D

Reaching ECP Users With HIV and PEP Services in Kenyan Pharmacies
Nicholas Kipkurui, Dorothy Oketch, Scholastica Wanjiru, Gerald O. Owuor, Alloys Koloo, Elizabeth Bukusi, Alison Roxby, Kawango Agot

Stability of Penile Bacteria Associated With HIV Seroconversion, Inflammation, and Cells (BASICs)

Vaginal Immune Dysregulation in Transgender/Non-Binary Individuals on Masculinizing Hormone Therapy
Matilde P. Jacobson, Janja Kovacic, Eleanor Capozzi, Megan Gooding, Huberth Garcia, Fernando Cabezas Mejia, Janelle Schrag, Lynsay MaLaren, Christopher Cannon, Mimi Ghosh

Forced Vaginal Sex Is Associated With Genital Immune Changes That May Increase HIV Susceptibility
James Pollock, Mary Kung’u, Sanja Huibner, Rhoda Kabuti, Hellen Babu, Erastus Irungu, Pauline Ngorukiri, Helen Weiss, Janet Seeley, Tanya Abramsky, Joshua Kimanji, Tara Beattie, Rupert Kaul, for the Maisha Fiti Study Champions

Increased Viral Suppression With Adherence Counseling Incorporating a Point-of-Care Urine TFV Test
Leonard T. Bikinesi, Matthew A. Spinelli, Ntombizodwa M. Nyoni, Jesaya Hifindwako, Assegid Mengistu, Jacques Kamangu, Gram Mutandi, Daniella Mouton, Fekir Negussie, Rachel S. Beard, Monica Gandhi, Steven Y. Hong

Persistent Challenges With Viral Suppression a Year After Return to Care: Evidence From South Africa
Claire M. Keene, Jonathan Euverard, Tali Cassidy, Mike English, Jacob McKnight, Catherine Orrell, Ingrid Katz

Durability of Viral Suppression Among People on HIV Treatment in S Africa: A National Cohort Study
Jacob Bor, Evelyn Lauren, Dickman Gareta, Khumbo Shumba, Mazvita Muchengeti, Wendy Stevens, Dorina Onoya, Koleka Mlisana
Motivational Interviewing Training Effect on HIV Viral Suppression: A Cluster Randomised Pilot Trial

Dorina Onoya, Tembeka Sineke, Idah Mokhele, Robert A. Ruiter, Marnie Vujovic, Khumo Shumba, Jacqui Miot

Undisclosed ART Use Found by Urine LFA Is Common in South Africa, Not Associated With Lower TB Risk

Nsika N. Sithole, Indira Govender, Matthew A. Spinelli, Theresa Smit, Meighan Krows, Connie Celum, Alison Grant, Monica Gandhi, Adrienne E. Shapiro

Impact of Proactive Adherence Interventions on HIV RNA Using Prescription Claims

Neha S. Pandit, Abree Johnson, Tsung-Ying Lee, Eberechukwu Onukwugha, Hope Cassidy-Stewart

Antiretroviral Therapy Outcomes at 6 Months by HIV Recent Infection Classification, Rwanda 2021-2022

Monita R. Patel, Eugenie Poirot, Straso Jovanovski, Beata Sangwayire, Jean Claude Irapona, Veronica Mugisha, Collins Kamanzi, Eric Remera, Elysee Tuyishime, Giles A. Reid, Tom Oluoch, Suzue Saito, Gallican Rwibasira, for the Rwanda HIV Recency Evaluation Study Team

Impact of Natural Disasters on HIV Risks and Viral Suppression in Ugandan Fishing Village

Hadijja Nakawooya, Victor Sempijja, Anthony Ndyanabo, Fred Nalugoda, Maria J. Wawer, David Serrwadda, Ronald H. Gray, Joseph Kagaayi, Steven J. Reynolds, Tom Lutalo, Godfrey Kigozi, Ping T. Yeh, Larry W. Chang, Mary Kate Grabowski, Robert Ssekubugu

Prevalence of HIV and Viral Load Suppression Among Refugees in Uganda, October to December 2021

Samuel Biraro, Shannon M. Farley, Joshua Musinguzi, Wilford Kirungi, David Okimait, Veronica Mugisha, Ronald Nyakoojo, Sam Sendagala, Herbert Kiyirungi, Jennifer Nel, Lisa Nelson, Brittanny Gianaetti, Christine West, David Hoos, Wafaa El-Sadr

COVID-19–Associated ART Disruptions and HIV Suppression: A Population-Based Study in Uganda


WITHDRAWN

Scaling Up COVID-19 Vaccine Uptake Among PLHIV: Insights & Lessons From Kigoma, Shinyanga, and Pwani

John Roman, Julius Zelothe, Amos Scott, Damian Laki, Alexander Christopher J. Christopher, Frederick Ndossi, Yudas Ndugile, Kokuhabwa Mukurasi, Eva Matiko, Redempta Mbatia
1210 COVID-19 Vaccine Effectiveness Against Different Variants Among a Population-Based HIV Cohort  
Ziang Liu, Xueying Yang, Bankole Olatosi, Sharon Weissman, Xiaoming Li, Jiajia Zhang

1211 A Network-Based Modeling Analysis of Interventions for SARS-CoV-2 Prevention Among Jailed Adults  
Isaac Schneider, Karina Wallrafen-Sam, Shanika Kennedy, Matthew Akiyama, Anne C. Spaulding, Samuel M. Jenness

1212 Safety Outcomes in Trial of COVID-19 mRNA Vaccine Among People With HIV in Sub-Saharan Africa  
Simone Lara Hendricks, Bongile Mabilane, Asa Tapley, Jia Jin Kee, Veronique Bailey, Ethel Kamuti, Harriet Nwagaba-Biribonwoha, Zvahavera Chirenje, Joseph M. Makhema, Taraz Samandari, Laura Polakowski, Manuel Villaran, Nyaradzo Mgodi, Azwidihi Takalani, for the CoVPN 3008 Ubuntu Study Team

1213 Data Science Linkage of Public Jail Registries and Surveillance Data for Public Health Action  
Steven Erly, Leighton Hill, Rachel Amiya

1214 Undetectable = Untransmissible: Key Populations With HIV Lag in Sustaining Undetectable Viral Load  
Abimbola S. Phillips, Dorcas Mgbdelo, Francis Ogirima, Pius Christopher-Izere, Collins Imariagbe, Sabra Custer, Sharon Weissman, Bankole Olatosi, Xiaoming Li, Oluwafemi Adeagbo, Akanmu Sulaimon, Akinbami Akinsegun, Bola Oyeledun, Jude Orjihi, Dennis Onotu, for the CDC Research Group

1215 PrEP Persistence Among Adolescents Men Who Have Sex With Men and Transgender Women in Brazil  
Fabiane Soares, Laio Magno, Jony Arrais Pinto Junior, Diana Reyna Zeballos Rivas, Dirceu Greco, Alexandre Grangeiro, Ines Dourado

1216 NICE: A Structural Intervention to Increase Status Neutral Care Among Sexual and Gender Minorities  
Rebecca Eavou, Ellen Almirol, Victoria Umutoni, John Schneider, Mickyala Jones

1217 DREAMS RE-AIM Assessment in Zambia Demonstrates High Uptake and Reach of AGYW With HIV Prevention  
Brianna Lindsay, Kirsten Stoebenau, Caitlin Baumhart, Linah Mwango, Godfrey Muchanga, Choolwe Maambo, Mwagala Mwale, Monde Mwamba, Chiti Bwalya, Samara Toussaint, Cassidy W. Claassen, Angshuman Kashyap

1218 Intention to Initiate PrEP Among Men Who Have Sex With Men (MSM) and Transgender Women (TGW) in Peru  
Carlos Benites, Mary Reyes, Patricia Alarcón, Ricardo Alfarro, Jorge A. Gallardo-Cartageno, Juan J. Montenegro-Idrogo, Kelika A. Konda, Jorge L. Sánchez, César Munayco
1219 WITHDRAWN

1220 The Motivational PrEP Cascade Among Peruvian Men Who Have Sex With Men (MSM)
Jorge A. Gallardo-Cartagena, Patricia Alarcón, Juan J. Montenegro-Idrogo, Javier R. Lama, Javier A. Valencia, Robinson Cabello, Martín Casapia, David Velasquez, Hugo Sánchez, Yamir Salazar, Felipe Vilcachagua Tadeo, José L. Castro, Keliaka A. Konda, Susan P. Buchbinder, Jorge L. Sánchez

1221 The Need to Address Violence for PrEP Uptake Among Adolescent Girls and Young Women in South Africa
Courtney P. Bonner, Felicia A. Browne, Jacequeline W. Ndirangu, Alexandra M. Minnis, Ilene Speizer, Laura Nyblade, Khatija Ahmed, Tracy Kline, Wendee M. Wechsberg

Poster Session-U06 | Behavioral Predictors and Interventions
2:30 PM - 4:00 PM - Poster Hall C-D

1222 Stigma in Young Kenyan Women Offered PrEP in a Peer-Supported, Community-Based PrEP Delivery System
Bernard Nyerere, Nicholas Musinguzi, Kevin Oware, Lawrence Juma, Josephine Odoyo, Vincent Momanyi, Aaron J. Siegler, Lindsey E. Garrison, Jared Baeten, Elizabeth Bukusi, Jessica Haberer

1223 A Social Network-Based Intervention to Promote HIV Prevention and Treatment Among Fishermen in Kenya
Zachary A. Kwenia, Lila Sheira, Benard Ayieko, Edwin Charlebois, Kawango Agot, Sarah Gutin, Phoebe Olugo, Monica Gandhi, Elizabeth Bukusi, Carol S. Camlin, Harsha Thirumurthy

1224 Hopefulness as a Predictor of Viral Suppression in Patients Newly Diagnosed With HIV
Marie Flore Pierre, Fabienne Homeus, Jean Bernard Marc, Vanessa Rivera, Manasi Mohan, Nakul Vij, Samuel Pierre, Nancy Dorvil, Dominique Lespinasse, Maria Linda Aristhomène, Guirlaine Bernadin, Alianne Julien, Jean W. Pape, Serena Koenig

1225 Homelessness and Antiretroviral Use Among MSM in the Context of Varying Levels of Federal Funding
Amrita Rao, Yuanqi Mi, Katherine Rucinski, John Mark Wiginton, Carrie Lyons, Kalai Willis, Tiara Willis, Travis H. Sanchez, Stefan Baral

1226 Violence and HIV Sexual Risk Behaviours Among Adolescent Girls and Young Women: Eswatini Experience
Siphiwe M. Shongwe-Gama, Cebisile Ngcamphalala, Mabutho C. Mamba, Harrison Kamiru, Poppy M. Sithole, Bonisile Nhlabatsi, Choice Ginindza, Michelle Li, Kaye Seya Marie, Francis B. Annor, Luara Chiang, Ruben Sahabo
1227 Older Adults Living With HIV Have Low Expectations Regarding Aging, Despite Improved Survival
Alice Zhabokritsky, Darrell H. Tan, Marianne Harris, graham Smith, Julian Falutz, Nisha Andany, Silvia Guillemi, Gordon Arbess, Mona Loutfy, Ron Rosenes, Sharon Walmsley, for the CHANGE HIV Study Team

1228 Strategies for Eliminating Racial/Ethnic Disparities in HIV Incidence in the United States
Evin Jacobson, Alex Viguerie, Katherine Hicks, Laurel Bates, Amanda Honeycutt, Justin Carrico, Paul Farnham

1229 Cost-Effectiveness of Differentiated HIV Treatment Delivery in Sub-Saharan Africa: A Modeling Study
Shiying You, Hae-Young Kim, Daniel T. Citron, David Kaftan, Andrew Phillips, Loveleen Bansi-Matharu, Valentina Cambiano, Brooke Nichols, Youngji Jo, Anna Bershteyn

1230 Model Comparison of the Cost-Effectiveness of Long-Acting Cabotegravir for HIV PrEP in South Africa

1231 Cost-Effectiveness of a Urine Tenofovir Point-of-Care Assay for ART Adherence Feedback in Namibia
Ntombizodwa M. Nyoni, Sigal Maya, Jacques Kamanqu, Daniella Mouton, Assegid Mengistu, Matthew A. Spinelli, Pearl Kalimugogo, Gram Mutandi, Steven Y. Hong, Jim Kahn, Peter Minchella, Monica Gandhi, Leonard T. Bikinesi

1232 Increased Medicare Spending Among Beneficiaries With HIV in the 12 Months Prior to Death

1233 Estimated Costs of Eliminating Medicaid Prior Authorizations for Antiretrovirals in Washington State
Matthew Golden, Ryan Taketomo, Ryan Pistoressi

1234 Cost-Effectiveness of Integrated Multi-Month Dispensing for HIV and Hypertension in South Africa
Youngji Jo, Sydney Rosen, Brooke Nichols, Robert Horsburgh
**Poster Session-A2 | Virus Replication in Host and Nonhuman Models**  
2:30 PM - 4:00 PM - Poster Hall C-D

**308**  
**Monitoring the infection of a new strain of simian betaretrovirus in Southern Muriquis from Brazil**  
*Thamiris S. Miranda*, Pedro H. Carneiro, Marcus Vinicius de Mattos Silva, Ronaldo da Silva Mohana Borges, Silvia B. Moreira, Alcides Pissinatti, Orlando da Costa Ferreira Júnior, Marcelo A. Soares, André Felipe Andrade dos Santos

**309**  
WITHDRAWN

**310**  
**Species-Specific APOBEC3 Splicing and Variations in Viral Mutagenesis**  
Azad Khosh, Rachael Springman-Rodriguez, Armando Mendez, Kathryn Jackson-Jones, Margarita Rzhetskaya, Judd F. Hultquist, Diako Ebrahimi

**311**  
**High Replication Fitness and Potent Innate Immune Evasion Function of a HIV-1 VB Strain**  
*Corrina J. Kmiec*, Kerstin Regensburger, Frank Kirchhoff

**312**  
**The HIV-1 Protein ASP Promotes Viral Replication and Is Associated with Faster Disease Progression**  
Mohd. Shameel Iqbal, Myriam Houmey, Ziyun Xu, Yuchu Wang, Kabir Khan, Isabella Caico, Rui Li, Jean-Michel Mesnard, Nathalie Chazal, Angelo Pavesi, Fabio Romerio

**313**  
**In Vivo Detection of HIV-1 Antisense Transcripts in Donors Before and During ART**  
*Adam A. Capoferri*, Toluleke O. Famuyiwa, Rachel Sklutuis, Sachi Pathak, Jennifer L. Groebner, Rui Li, Jason W. Rausch, Steven G. Deeks, John W. Mellors, John M. Coffin, Fabio Romerio, Mary F. Kearney

**314**  
**Exacerbation of the RSV Infectivity by SARS-CoV-2 in an In-vitro Co-Infection Cellular Model**  
Claudia Vanetti, Silvia Zecchini, Gioia Cappelletti, Micaela Garziano, Irma Saulle, Sergio Strizzi, Fiona Limanaqi, Claudio Fenizia, Claudia Moscheni, Antonella Tosoni, Manuela Nebuloni, Mario Clerici, Daria Trabattoni, Mara Biasin

**Poster Session-B6 | Correlates of HIV Infection Outcome**  
2:30 PM - 4:00 PM - Poster Hall C-D

**353**  
**Circulating Immunoregulatory Proteins Indicative of Poor CD4 Recovery in People With HIV on ART**  
*Preeti Moar*, Thomas A. Premeaux, Scott Bowler, Courtney Friday, Sara Gianella, Alan Landay, Lishomwa Ndhlouvu
Suppressing Asymptomatic CMV With Letermovir Reshapes Cardiometabolic Proteome in Treated HIV
Sara Gianella Weibel, Douglas W. Kitch, Gabriele B. Beck-Engeser, Milenka Meneses, Scott L. Letendre, Michael Dube, Lawrence Fox, John Koethe, Priscilla Y. Hsue, Ahmed A. Tawakol, Adam Olshen, Michael L. Freeman, Davey M. Smith, Peter W. Hunt

DNA Methylation-Based Telomere Length Is Associated With HIV Infection and Cancer in Relation to HIV
Xiaoyu Liang, Brad Aouizerat, Lesley S. Park, Kaku So-Armah, Vincent Marconi, Ke Xu, Amy C. Justice

Methamphetamine Use in PWH on ART Is Associated With Inflammation and Residual HIV Transcription

Singular CD4+ and CD8+ T-Cell Proteomic Profiles in PLHIV Immunological Non-Responders Before ART
Marina Flores-Piñas, Silva Chafino, Consuelo Viladés, Pere Domingo, Miguel López-Dupla, Alexy Inciarte, Jordi Navarro, Juliá Blanco, Francesc Vidal, Joaquim Peraire, Anna Rull

Evaluating Biomarkers and Mortality by Sex in People With Late HIV Starting Antiretroviral Therapy
Brian P. Epling, Jing Wang, Adam Rupert, Virginia Sheikh, Gregg Roby, Douglas Shaffer, Nittaya Phanuphak, Jintanat Ananworanich, Frederick K. Sawe, Irini Sereti

Glycomic Markers of Biological Aging in Trans Women With HIV Versus Cis Men and Cis Women With HIV
Leila B. Giron, Ana N. Hyatt, Mohamed Elkaeid, Paula Debroy, David B. Hanna, Igbo Ofotokun, Margaret A. Fischl, Daniel Merenstein, Sabina Haberlen, Alan Landay, Frank Palella, Phyllis Tien, Todd T. Brown, Jordan E. Lake, Mohamed Abdel-Mohsen

Signature of CD4 T-Cells During Acute HIV-1 Infection Is Predictive of Disease Progression
Dominic Paquin-Proulx, Bonnie M. Sike, Ningbo Jian, Boonrat Tassaneentrithep, Leigh-Anne Eller, Gina Donofrio, Matthew Creegan, Sandhya Vasan, Julie Ake, Mary A. Marovich, Nelson L. Michael, Merlin L. Robb, Michael A. Eller, Shelly J. Krebs, for the RV217 Study Team

Distinct Plasma Protein Changes Precede Loss of Spontaneous HIV Control
Nadira Vadaq, Albert L. Groenendijk, Jessica D. Santos, Wilhelm A. Vos, Marc Blaauw, Louise E. van Eekeren, Leo Joosten, Vasiliki Matzaraki, Jan van Lunzen, Susan M. Schader, Casper Roxx, Annelies Verbon, Mihai Netea, Ferdinand Wit, Andre J. van der Ven

HIV-Induced Lung Inflammation in Humanized Mice
Leyao Wang, Sara Nicholson, Hongbo Gao, Liang Shan
363 Exogenous Estrogen Increases HIV Target Cell Frequency in the Rectal Mucosa of Male Primates
Patricia A. Hahn, Eric S. Alexander, Kimberly Weisgrau, Tianling Ou, Wenhui He, Eva Rakasz, Michael Farzan, Joseph R. Kurian, Mauricio A. Martins

364 Enema Use Minimally Impacts Immunity and Does Not Affect Susceptibility to Low-Dose Intrarectal SIV
Alexandra Ortiz, Fabiola Castello Casta, Brandon Keele, Jason Brenchley

365 SIV Infection in Sooty Mangabeys Does Not Impact Survival but Changes Cause of Death
Cristina Ceriani, Brianne Beisner, Maria Crane, Joyce Cohen, Ian N. Moore, Deanna A. Kulpa, Guido Silvestri

366 Positive Reinforcement Training Reduces Stress in SIV-Infected Macaque Models of HIV Infection
Selena M. Guerrero-Martin, Bess W. Carlson, Samuel A. Brill, Erin N. Shirk, Suzanne Queen, Leah H. Rubin, Melanie J. Graham, Lydia M. Hopper, Lucio Gama, Christine Zink, Joseph Mankowski, Janice E. Clements, Kelly A. Metcalf Pate

Poster Session-C7 | Mucosal Immunity to HIV
2:30 PM - 4:00 PM • Poster Hall C-D

431 A Novel Non-Invasive Approach to Sample Female Genital Tract Immune Cell Populations
M. Quinn Peters, Eva Domenjo-Vila, Melanie Gasper, Smritee Dabee, Blair Armistead, Christopher Whidbey, Heather Jaspan, Martin Prlic, Whitney E. Harrington

432 Identification of Innate Lymphoid Cell Subsets in the Human Female Genital Tract That Respond to HIV
Alexandra E. Werner, Laura Moreno de Lara, Francisco J. Carrillo-Salinas, Anna Borchers, Siddharth Parthasarathy, Marta Rodriguez-Garcia

433 The Cervicovaginal Neutrophil Protein CRISP3 Is a Correlate of HIV Protection
Christina Farr, Laura Noël-Romas, Michelle Perner, Marina Costa-Fujushima, Sausan Azzam, Marlon De Leon, Stefanie Avril, Vanessa Poliquin, Alicia R. Berard, Lyle McKinnon, Thomas Murooka, Sharon L. Hillier, Zvavahera Chirenje, Jeanne Marrazzo, Adam Burgener

434 CD101 Variants Are Associated With Lower Levels of Genital HIV-Inhibiting and Tissue Repair Factors
Sarah C. Vick, Corinne M. Mar, Bhavna Chohan, Katherine K. Thomas, James W. MacDonald, Theo K. Bammler, Kenneth Nguere, Nelly R. Mugo, Jennifer M. Lund, Jairam Lingappa

435 Synergistic Effects of HIV, HPV, and Polyomaviruses on Interferon Response in Male Anal Mucosa
Matteo Fracella, Sara Passerini, Letizia Santinelli, Leonardo Sorrentino, Luca Maddaloni, Ginevra Bugani, Eugenio Nelson Cavallari, Alessandra Pierangelii, Guido Antonelli, Claudio Maria Mastroianni, Gabriella D’Ettorre, Valeria Pietropaolo, Carolina Scagnolari
Circulating Acyl-CoA-Binding Protein Abates T-Cell Function in People Living With HIV

Stephane Isnard, Léna Royston, Tsoarello Babanga, Simeng Bu, Carolina A. Berini, Nicole F. Bernard, Julien van Grevenynghe, Guido Kroemer, Jean-Pierre Routy

Immunological Non-Responders Have CD4+ Immunosenesence and Impaired Lymphocyte Cytokine Production


Phenotype of Gamma-Delta T-Cells in Acute HIV-1 Infection Predict Neutralization Breadth

Gina L. Griffith, Matthew Creegan, Kawthar Machmeg Leggat, Margaret Constanza, Isabella Swafford, Ningbo Jian, Leigh-Anne Eller, Merlin L. Robb, Samantha M. Townsley, Shelly J. Krebs, Julie Ake, Dominic Paquin-Proulx, for the RV217 Study Group

NK Cells During Acute HIV Infection Are Associated With Slow Disease Progression in Subtype A


PWH on ART and Tyrosine Kinase Inhibitors Show High Cytotoxic Activity Against HIV-1–Infected Cells

Clara Sánchez Menéndez, Guiomar Casado Fernández, Lorena Vigón, Mario Manzanares, Elena Mateos, Juan Ambrosioni, Vicente Estrada, Miguel Cervero Jiménez, Valle Gómez, Christoph Wyen, Christian Hoffmann, Montserrat Torres, Verónica Briz, Vicente Planelles, Mayte Coiras

A Skewed NK Cell Repertoire Persists in People With HIV-1 Despite Long-Term ART


Trained Immunity in Monocytes Is Associated With Persistent Elite Controller Status

Jessica D. Santos, Suzanne Ruijten, Albert L. Groenendijk, Nadira Vadaq, Rainer Knoll, Rob t. Horst, Marc Blaauw, Louise E. van Eekeren, Wilhelm A. Vos, Victoria Rios-Vazquez, Vasiliki Matzarakis, Jan van Lunzen, Leo Joosten, Mihai Netea, Andre J. van der Ven

Effective Elimination of HIV-1 Infected CD4+ T-cells by NKG2C+ “Memory-Like” NK Mediated by Trail

Ildefonso Sánchez, Marta Calvet Mirabent, Olga Popova, Ignacio de los Santos, Lucio J. García-Fraile, Ilya Tsukalov, Antrazantu Alfrahna, Maria Buzón, María A. Muñoz-Fernández, Francisco Sánchez-Madrid, Enrique Martín-Gayo
Poster Sessions

**Late-Breaking New Investigator Scholarship**

**Poster Sessions • Wednesday CROI 2024**

1. **Single-Cell, Multi-Omics Analysis of SIV-Specific CD8 T-Cells Across Multiple Anatomical Sites**
   Jennifer Simpson, Paul Schaughency, Justin Lack, Jason Brenchley

2. **Revealing the Role of Tissue-Resident NK Cells in HIV Infection Using Tissue Explant Models**
   David Perea, Nerea Sanchez Gaona, Ana Gallego Cortes, Stefania Landolfi, Felix Pumarola, Nuria Ortiz, Ines Llano, Juan Lorente, Vicenç Falcó, Meritxell Genescà, María Buzón

3. **Post-Intervention HIV Control Linked to Early In Vivo CD8+ T-Cell Proliferative Response to Rebound**
   Demi A. Sandel, Michael J. Peluso, Michiko Shimoda, Lily Zemelko, Alaa A. Latif, Amelia N. Deitchman, Gina Borgo, Nitasha A. Kumar, Meghann C. Williams, Barbara K. Felber, Gabriela Fragiadakis, Matthew H. Spitzer, Lillian Cohn, Steven G. Deeks, Rachel L. Rutishauser

4. **HIV Post-Treatment Controllers Show Enhanced CD8+ T-Cell Proliferative Capacity After ART Cessation**
   Charles R. Crain, Anusha Nathan, Behzad Etemad, Prerana Shrestha, Rachel L. Rutishauser, Steven G. Deeks, Jonathan Z. Li, Gaurav D. Gaiha

---

**Poster Session-C9 | Inflammation and Innate Immunity to HIV/SIV**

2:30 PM - 4:00 PM • Poster Hall C-D

444. **Cannabis-Induced DNA Methylation Changes Mediate Immune Response in PLHIV**
   Xun Jiang, Elise M. Meeder, Manoj K. Gupta, Zhenhua Zhang, Yang Li, Mihai Netea, Andre J. van der Ven, Cheng-Jian Xu

445. **Immunomodulatory Effects of Cannabis Use in PLHIV**

446. **Impact of Hormone Therapy and HIV on the Immunometabolic Landscape in a Cohort of Transgender Women**
   Erin Mihealsick, Emilia Jalil, Beatriz Grinsztejn, Eileen Scully

447. **IFR5 Mediates Persistent Inflammatory Responses in HIV–1 Infected Macrophages**
   Sita Ramaswamy, Jacob Berrigan, Hisashi Akiyama, Andrés Quiñones, Alex Olson, Yunhan Chen, Yan Mei Liang, Rahm Gummeluru

448. **Expression of Unspliced HIV-1 RNA Induces NLRP1 Inflammasome Activation in Myeloid Cells**
   Ivy Hughes, Sallie Jalloh, Andrés Quiñones, Hisashi Akiyama, Rahm Gummeluru

449. **Type I Interferons Drive Sustained Dominance of CCR5-Tropic Variants During HIV Infection In Vivo**
   Priya Pal, Sara Nicholson, Hongbo Gao, Liang Shan
Poster Sessions

454  Crosstalk Between TLR-8 and RLR Enhanced Antiviral Immunity Against Acute HIV-1 and PWH
Killian Vlaming, John L. van Hamme, Pien M. van Paassen, Tanja M. Kaptein, Karel A. van Dort, Peter Reiss, Annelies Verbon, Casper Rokx, Monique Nijhuis, Jan M. Prins, Neeltje Kootstra, Godelieve J. de Bree, Teunis B. Geijtenbeek

455  The Effect of HIV Infection at Pre-ART Initiation on the Early Innate Immune System
Vinh B. Dinh, Lesley de Armas, Rajendra Pahwa, Suresh Pallikkuth, Christine Dang, Stefano Rinaldi, Nicola Cotugno, Paolo Palma, Nadia Sitoe, Paula Vaz, Maria Grazia Lain, Savita Pahwa

456  Inflammatory Monocytes Increase During HIV-1 Treatment Interruption Before Detectable Viremia
Natalia de la Force, Anna Farrell-Sherman, Renan Valieris, Steven G. Deeks, Israel Tojal Da Silva, Timothy J. Henrich, Lillian Cohn

Poster Session-D7 | Correlates of HIV Reservoir Size
2:30 PM - 4:00 PM • Poster Hall C-D

513  HIV-1 Reservoir Dynamics in Children With Early Treated, Perinatally–Acquired HIV: Does Sex Matter?
Kavitha Reddy, Chantal Molechan, Moira Spyer, Mathias Lichterfeld, Pablo Rojo, Paolo Rossi, Paolo Palma, Carla Giaquinto, Afaf Liberty, Mornay Isaacs, Loide Cardoso, Ligia Estevao, Alfredo Tagarro, Thumbi Ndung’u

514  Earlier Initiation of ART Reduces Intact Proviruses but Not Residual Viremia After 48 Weeks
Joshua C. Cyktor, Joseph Puleo, Gregory M. Laird, Dianna Hoeth, Justin Ritz, Albine Martin, Gert U. van Zyl, Eric Daar, Trevor A. Crowell, Joseph J. Eron, Lu Zheng, John W. Mellors, for the ACTG A5354 Team

515  Host and Viral Factors Shape the Composition of the HIV-1 Viral Reservoir in the 2000HIV Cohort
Mareva Delporte, Kavita Mehta, Maxime Verschoore, Elizabeth R. Wonderlich, Wilhelm A. Vos, Albert L. Groenendijk, Louise E. van Eekeren, Marc Blaauw, Evy E. Blomme, Sofie Rutseart, Sarah Gerlo, Wim Tryptsteen, Mihai Netea, Andre J. van der Ven, Linos Vandenekervhove

516  Intact HIV DNA Decay During 15 Years of Suppressive ART: Comparisons by Timing of ART Initiation
Trevor A. Crowell, Mackenzie Horn, Hsing-Chuan Hsieh, Xiuping Chu, Catherine M. Berjohn, Jason M. Blaylock, Joseph M. Yabes, Anuradha Ganesan, Timothy H. Burgess, Robert J. O’Connell, Gregory M. Laird, Lydie Trautmann, Brian K. Agan, for the Infectious Disease Clinical Research Program (IDCRP) HIV Working Group

517  Intact HIV Remains Similar in Early– and Late-Treated Patients With Comparable Immunological Status
Paula Suanzes, Judith Grau-Expósito, Jordi Navarro, Joan Rey Cano, Adrià Curran, Joaquín Burgos, Arnau Monforte, Meritxell Genescà, Vicenç Falcó, María Buzón
Tumor Suppressor and Innate/Inflammatory Pathways are Associated With the HIV Reservoir Size

German G. Gornalusse, Ashok K. Dwivedi, Rebecca Hoh, Jeffrey Martin, Frederick Hecht, Meei-Li Huang, Julieta Reppetti, Phuong M. Vo, Claire M. Levy, Pavithra Roychoudhury, Keith R. Jerome, Florian Hladik, Timothy J. Henrich, Steven G. Deeks, Sulggi A. Lee

519

NIS

Taming the Viral Reservoir Over 3 Decades of Advancements in HIV Treatment

Irene González-Navarro, Victor Urrea, Cristina Gálvez, Beatriz Mothe, Lucia Bailón, Maria Salgado, Javier Martinez-Picado

520

NIS

2:30 PM - 4:00 PM • Poster Hall C-D

Poster Session-D8 | Strategies for an HIV Cure

Vectored Delivery of Closer-to-Germline Antibodies Can Mediate Long-Term SHIV Suppression

Jose Martinez-Navio, Sebastian P. Fuchs, Desiree E. Mendes, Claudia Muniz, Paula G. Mondragon, Rachel Zabihin, Eva Rakasz, Guangping Gao, Jeffrey Lifson, Ronald C. Desrosiers

Ruxolitinib-Mediated HIV-1 Reservoir Decay in A5336 Phase Ila Trial

Monica D. Reece, Vincent Marconi, Zhan Zhang, Susan P. Ribeiro, Rafick P. Sekaly, Deanna A. Kulpa, Christina Gavegnano

Short-Term BCL-2 Inhibition at ART Initiation Transiently Reduces SIV Reservoir in Rhesus Macaques

Tomas Raul Wiche Salinas, Justin L. Harper, Kevin Nguyen, James Auger, Laurence Raymond Marchand, Mackenzie Cottrell, Jason Brenchley, Jeffrey Lifson, Brandon Keele, Andrew Badley, Guido Silvestri, Deanna A. Kulpa, Mirko Paiardini

CD4-Targeted mRNA Delivery of Tat Reverses HIV-1 Latency


Potent HIV Latency Reversal by Lipid Nanoparticles Encapsulating HIV Tat mRNA

Bridget M. Fisher, Paula M. Ceavaal, Stanislav Kan, Abdalla Ali, Abigail Tan, Rory Shepherd, Youy Kim, Marvin Holz, Damian Purcell, Frank Caruso, Sharon R. Lewin, Michael Roche

Nanoparticle Delivery of Tat Synergizes With Latency Reversal Agents to Express HIV Antigen

Shane D. Falcinelli, Samuel L. Raines, Jackson Peterson, Ellen Van Gulck, Jennifer Kirchherr, Isabel Najera, Jerel Vega, Daniel Boden, Nancie M. Archin, David M. Margolis

Nanoparticle Delivery of Tat Synergizes With Latency Reversal Agents to Express HIV Antigen

Shane D. Falcinelli, Samuel L. Raines, Jackson Peterson, Ellen Van Gulck, Jennifer Kirchherr, Isabel Najera, Jerel Vega, Daniel Boden, Nancie M. Archin, David M. Margolis
Non-Neutralizing Antibody Therapeutics to Eliminate HIV-Infected Cells In Vitro and In Vivo via ADCC
Jonathan Richard, Dung N. Nguyen, William D. Tolbert, Derek Yang, Seung Tae Kim, Marco A. Diaz-Salinas, Jyothi K. Rajashekar, Li Zhu, Catherine Bourassa, Halima Medjahed, Priti Kumar, James B. Munro, Amos B. Smith, André Finzi, Marzena Pazgier

A New CD4mc Enables Fc-Mediated Reservoir Reduction for Durable Post-ART HIV-1 Control in Hu-Mice
Li Zhu, Sri Lakshmi T. Boodapati, Jonathan Richard, Christopher J. Fritsch, Derek Yang, Hongil Kim, Yaping Sun, Lorie Marchitto, Guillaume Beaudoin-Bussieres, Debashree Chatterjee, Catherine Bourassa, Joseph Sodroski, Amos B. Smith III, André Finzi, Priti Kumar

Combination CAR T-Cell Therapy Restricts HIV Escape and Durably Suppresses HIV Replication In Vivo
Federica Severi, Alexandria Criswell, Dalia Bercow, Tyler Yang, Francesco Pennino, Reyes Acosta, Daniel T. Claiborne

Vaccination Combined With PD-1 Blockade Provides Sustained SIV Suppression in Mamu-A01(+) Macaques
Bhrugu Yagnik, Sheikh A. Rahman, Sailaja Gangadhara, Shan Liang, Gordon Freeman, Rafi Ahmed, Rama R. Amara

The Impact of HIV Cure-Related Study Drugs and Treatment Interruption on Viral Suppression Rates
Ming J. Lee, Miles Eason, Antonella Castagna, Laura Galli, Marie-Angélique De Scheerder, James L. Riley, Pablo Tebas, Jesper D. Gunst, Ole S. Søgaard, Eric Florence, Eugene Kroon, Mark S. de Souza, Beatriz Mothe, Marina Caskey, Sarah Fidler

Combination of IFN-beta Reactivates HIV Reservoir in ART-Suppressed HIV-Infected BLT Humanized Mice
Zhe Yuan, Emmanuel Papasavvas, Guorui Zu, Lily Lu, Matthew Fair, Samuel Keller, Luca Sardo, Guoxin Wu, Joel Cassel, Joseph Salvino, Pau Zuck, Bonnie Howell, Luis J. Monatener

Treatment With AZD5582 + hetIL-15 Disrupts the Reservoir Establishment in SIV-Infected Macaques
Maura Statzu, Cristina Micali, Tomas Raul Wiche Salinas, Catherine Gurley, Brandon Healy, Diane G. Carnathan, Brandon Keele, Jeffrey Lifson, Gregory M. Laird, David M. Margolis, Mirko Paiardini, Guido Silvestri

Drug-Controlled Anti-PD-1 CAR T-Cells to Target the Replication-Competent Reservoir in Tfh Cells
Karsten Eichholz, Yoshinori Fukazawa, Christopher W. Peterson, Francoise Haeseleer, Benjamin Varco-Merth, Sandra Dross, Haesun Park, Carlryn S. Labriola, Michael Axthelm, Jeremy Smedley, Hans-Peter Kiem, Louis Picker, Afam A. Okoye, Corey Larry

Refractoriness to SIV Reinfection Is Induced by Anti-IL-10/PD-1 Therapy in Rhesus Macaques
Susan P. Ribeiro, Felipe Ten Caten, Khader Ghneim, Zachary Strongin, Kevin Nguyen, Justin L. Harper, Robert Balderas, Luca Micci, Jeffrey Lifson, Daria Hazuda, Daniel Gorman, Bonnie Howell, Mirko Paiardini, Rafick P. Sekaly
Disrupting SIV Reservoir Seeding by Targeting Stemness Pathways in Rhesus Macaques
Inna Ruiz-Salinas, Riri R. Hamid, Nils Schoof, Alice Lin, Jordan Goldy, Guido Silvestri, Ann Chahroudi, Maud Mavigner

Impact of Gender-Affirming Hormone Therapy on HIV Reservoirs and Inflammation in Transgender Women
Elizabeth Hastie, Antoine Chaillon, Alan Wells, Christophe Vanpouille, Christy Anderson, Magali Perrachia, Kyra Forsyth, Vanessa Gomez-Moreno, Megha S. Srivatsa, Jill Blumenthal, Marvin Hanashiro, Eileen P. Scully, Jordan E. Lake, Jonathan Karn, Sara Gianella

Potent Indoline CD4 Mimetics Enable Anti-Coreceptor Binding Site Antibodies to Mediate ADCC
Jonathan Richard, Li Zhu, Lorie Marchitto, Catherine Bourassa, William D. Tolbert, Sri Lakshmi T. Boodapaty, Derek Yang, Hongil Kim, Guillaume Beaudoin-Bussieres, Mehdi Benlarbi, Joseph Sodroski, Amos B. Smith III, Marzena Pazgier, Priti Kumar, Andrés Finzi

Lipid Composition and CXCR4 Decoration Facilitate HIV-1 CRISPR Delivery and Viral Excision
Sudipta Panja, Lubaba A. Zaman, Milankumar Patel, Howard E. Gendelman

The Humanized DRAGA Mouse as a Model for HIV Latency and Cure

Retinoids Enhance NK Natural and Antibody-Dependent Cell Cytotoxicity of HIV-Infected CD4 T-Cells
Elyse K. McMahon, J. Natalie Howard, Rebecca M. Lynch, Alberto Bosque

Comparison of Anti-HIV ADC and Immunotoxin Shows Clinically Relevant Differences in Cytotoxic Effect
Seth H. Pincus, Tami Peters, Megan Stackhouse, Kelli Ober, Frances Cole, Hans-Peter Kiem, Robert Harrington, Xinyi Wang, Anne-Sophie Kuhlmann, Valérie Copié

Type I IFN Signaling and Regulation in Vesatolimod-Treated Virally Suppressed Adults With HIV-1
Susie (Shih Yin) Huang, Liao Zhang, Donovan Verrill, Christiaan R. de Vries, Elena Vendrame, Devi SenGupta, Jeff J. Wallin, Yanhui Cai

Evaluation of a Bispecific Antibody Targeting NK Cells for the Elimination of HIV Reservoirs
Nerea Sanchez Gaona, David Perea, Adrià Curran, Joaquín Burgos, Jordi Navarro, Paula Suanzes, Vicenç Falcó, Enrique Martín Gayo, Meritxell Genescà, Jorge Carrillo, María Buzón

Sociodemographics Were Stronger Classifiers of Cognitive Profiles Than Neuroimaging in HIV
Raha M. Dastghheyb, Sarah Cooley, Alison Buchholz, Kalen J. Petersen, Beau Ances, Leah H. Rubin

Poster Session-E7 | Neuroimaging in HIV
2:30 PM - 4:00 PM • Poster Hall C-D
Poster Sessions

MRI With T2 Maps and Spectroscopy Show Chronic Progressive Brain Damage Despite HIV Suppression
David Jakabek, Kurt Lancaster, Lauriane Juge, Caroline D. Rae, Lucette A. Cysique, Bruce J. Brew

Functional Brain Network Changes Among People With HIV and Viral Suppression
Jacob Van Doorn, Leah H. Rubin, Farah Naaz, Liuyi Chen, Seble Kassaye, Lakshmi Goparaju, Raha M. Dastgheyb, Asante Kamkwala, Hannah Lee, Arianna Konstantopoulos, Joan Severson, Olusola Ajilore, Alex Leow, Pauline Maki

HIV Status and APOE4 Differentially Impact White Matter Integrity in Adults With HIV
Peyton Thomas, Hannah Walsh, Richard C. Gallagher, Kyle Shattuck, Princy Kumar, David J. Moore, Ronald J. Ellis, Xiong Jiang

HIV Clinical Factors and Cardiovascular Disease Risk Predict White Matter Hyperintensity Burden
Mikaley Bolden, Peyton Thomas, Richard C. Gallagher, Princy Kumar, David J. Moore, Ronald J. Ellis, Xiong Jiang

Neurite Orientation Dispersion and Density Imaging in People With HIV on Stable Treatment
Phillip Chan, Nakul Raval, Praveen Honhar, Jennifer Chiarella, Allison Nelson, David Matuskey, Richard Carson, Ansel Hillmer, Serena Spudich

Associations Between a Polygenic Risk Score for Alzheimer's Disease and Brain Integrity in HIV
Anna Curtis, Laura Ibanez, Carlos Cruchaga, Beau Ances, Sarah Cooley

Further Evidence of Hypertrophy in Acute Infection Identified Using Machine Learning
Jacob Bolzenius, Napapon Sailasuta, Phillip Chan, Carlo P. Sacdalan, Julie Ake, Somchai Sriplienchan, Lydie Trautmann, Sandhya Vasan, Trevor A. Crowell, Ferron F. Ocampo, Serena Spudich, Victor Valcour, Kilian Pohl, Robert Paul, for the SEARCH010/RV254 Study Team

Beta-Amyloid PET Positivity Among Cognitively–Impaired People With HIV Over Age 60
Samuel Wilson, Andjelika Milicic, Shireen Javandel, Claire Yballa, Benedetta Milanini, Kilian Pohl, Robert Paul, Victor Valcour

Further Evidence of Hypertrophy in Acute Infection Identified Using Machine Learning
Jacob Bolzenius, Napapon Sailasuta, Phillip Chan, Carlo P. Sacdalan, Julie Ake, Somchai Sriplienchan, Lydie Trautmann, Sandhya Vasan, Trevor A. Crowell, Ferron F. Ocampo, Serena Spudich, Victor Valcour, Kilian Pohl, Robert Paul, for the SEARCH010/RV254 Study Team

Differential Expression Analysis Reveals Pervasive Transcriptional Changes in the Brains of PWH
Kriti Agrawal, Jay S. Stanley, Junchen Yang, Nicholas C. Jacobs, Haowei Wang, Le Zhang, Mark Gerstein, Yuval Kluger, Serena Spudich, for Yale Single Cell Opioid Responses in the Context of HIV (Y-SCORCH)

Epigenetic Impact in CSF Cells From 48 Weeks of Adjunctive Telmisartan in Acute HIV
Michael J. Corley, Phillip Chan, Eugene Kroon, Napapon Sailasuta, Alina Pang, Nittaya Phanuphak, Jennifer Chiarella, Sandhya Vasan, Robert Paul, Lydie Trautmann, Serena Spudich, Lishomwa Ndlovu, for the SEARCH018/RV408 Study Group
Monocyte Epigenetic Age Relates to Non-Somatic Depressive Symptoms in Women With Undetectable HIV
Kalen J. Petersen, Nicole Perez, Ke Xu, Yanxun Xu, Lang Lang, Kathryn Anastos, Maria L. Alcaide, Mardge H. Cohen, Sadeep Shrestha, Andrew Edmonds, Jacquelyn Meyers, Seble Kassaye, Beau Ances, Brad Aouizerat, Leah H. Rubin

Epigenetic Age Advancement Is Associated With Cognition, Frailty, and Mortality in Older PWH
Carrie Johnston, Alina P. Pang, Eugenia Siegler, Chelsie Burchett, Charlene Thomas, Mia Crowley, Rochelle O’Brien, Lishomwa Ndhlouvo, Marshall Glesby, Michael J. Corley

Plasma Proteomics Identifies Variable Patterns of Association With Neuropsychiatric Dimensions
Patricia K. Riggs, Ronald J. Ellis, Bin Tang, Jennifer E. Iudicello, Mattia Trunfio, Donald Franklin, Michael Potter, Melanie Crescini, Sara Gianella Weibel, Robert K. Heaton, Scott L. Letendre

Clinical Profiles Predicting Cognitive Decline Over 10 Years Among Older Adults With HIV in Canada
Marie-Josée Brouillette, Marianne Harris, Graham Smith, Réjean Thomas, Shariq Haider, Scott L. Letendre, Lesley K. Fellows, Nancy E. Mayo

High Plasma GFAP in Older PWH With Low Nadir CD4 Supports Legacy Brain Injury and Reactive Gliosis
Martina Strano, Federica Marmondi, Sara Diotallevi, Simona Bossolasco, Angelo Roberto Raccagni, Antonella Castagna, Gabriella Scarlatti, Matteo Bonato, Paola Cinque

Pattern of Age-Related Cognitive Decline in People With HIV Depends on Viral Suppression
James T. Kennedy, Sarah Cooley, Beau Ances

Hepcidin Modifies Effects of Age and Erythrocyte Indices on Cognitive Function in People With HIV
Azin Tavasoli, Oluwakemi K. Okwuogbuona, Jennifer E. Iudicello, Asha Kallianpur, Ronald J. Ellis, Scott L. Letendre

VACS 2.0 Shows Improved Discrimination of Neurocognitive Impairment and Frailty in People With HIV
Cynthia Yan, Sarah Cooley, Beau Ances

Latent Viral Infections Are Associated With Veterans Aging Cohort Study Index in People With HIV
Patricia K. Riggs, Gordon Honerkamp Smith, Milenka Meneses, Antoine Chaillon, Gemma Caballero, Donald Franklin, Robert K. Heaton, Ronald J. Ellis, Scott L. Letendre, Sara Gianella Weibel

Changes in HAND Prevalence Among Medicaid Enrollees From 2016-2021 in the US
Kashif Iqbal, Tiffany Williams, Jesse G. O’Shea, Kate Buchacz
Preclinical to Human Scaling of Pharmacokinetics for Long-Acting Injectable Antiretrovirals
Henry Pertinez, Rajith Rajoli, Andrew Lloyd, Joanne Sharp, Joanne Herriott, Edyta Kijak, Eduardo Gallardo-Toledo, Megan Neary, Helen Cox, Chloe Bramwell, Anthony Valentinj, Usman Arshad, Paul Curley, Charles W. Flexner, Andrew Owen

Pharmacokinetics of Long-Acting Cabotegravir and Rilpivirine in Elderly Using PBPK Modelling
Sara Bettonte, Mattia Berton, Felix Stader, Manuel Battegay, Catia Marzolini

Effect of Broadly Neutralizing Antibody Exposure on HIV Rebound Following Combination Immunotherapy
Amelia N. Deitchman, Leonid Serebryannyy, Rowena Johnston, Lucio Gama, Marina Caskey, Elena Vendrame, Devi SenGupta, Romas Gelezianas, Jackie Reeves, Chrisros Petropoulos, Michel Nussenzweig, Rachel Rutishauser, Steven G. Deeks, Michael J. Peluso, for the UCSF-amfAR Study Team

A Randomized, Adaptive Phase I Study to Determine the Phase II Dose of VIR-7832: AGILE CSTS
Richard J. FitzGerald, Chris Edwards, Jimstan Periselneris, Geoff Saunders, Nicky Downs, Rebecca Lyon, Danny Pratt, Helen Reynolds, Lauren Walker, Gareth Griffiths, Saye Khoo, Thomas Fletcher, for AGILE CSTS

Discovery of Next-Generation CD4 Mimetic-Based Long-Acting Entry Inhibitors
Wei Li, Margaret G. Hines, Xiaojie Chu, Tianjian Liang, Cory Shetler, Kerri Penrose, Zhiwei Feng, Urvi M. Parikh, Jana L. Jacobs, John W. Mellors

The Preclinical Profile of Maturation Inhibitor VH3739937
Brian McAuliffe, Paul Falk, Ira Dicker, Susan Jenkins, Jean Simmermacher, Mark Krystal

Next-Generation Maturation Inhibitor GSK3640254 Showed Broad Spectrum Potency Without MI Resistance
Jerry L. Jeffrey, Tom White, Samit Joshi, Brian Wynne

Structure-Guided Optimization of InSTIs to Increase Antiviral Potencies Against HIV-1 IN Mutants
Steven Smith, Yue Zhi Zhao, Stephen Hughes, Terrence R. Burke
Preclinical Characterization of GS-5894, a Potent NNRTI With Once-Weekly Oral Dosing Potential
Eric Lansdon, Andrew Mulato, Petr Jansa, Gary Lee, George Stepan, Mike Matles, Kelly Wang, Carmen Ip, Julie Fogarty, Dan Soohoo, Bernard Murray, Stephen Yant, Zlatko Janeba, Richard L. Mackman, Tomas Cihlar

Discovery of GS-9770: A Novel Unboosted Once Daily Oral HIV Protease Inhibitor
Xiaochun Han, Ron Aoyama, Jacob Cha, Aesop Cho, Ana Z. Gonzalez, Salman Jabri, Michael Lee, Albert C. Lincian, Ryan McFadden, Andrew Mulato, Zach E. Newby, Jie Xu, Johannes Voigt, Lianhong Xu, Hong Yang

Discovery of MK-8527: A Long-Acting HIV-1 Nucleoside Reverse Transcriptase Translocation Inhibitor
Izzat Raheem, Kerry Fillgrove, Gregory O’Donnell, Jonathan Patteson, Shih Lin Goh, Carolyn Bahnick-Teets, Qian Huang, Ernest Asante-Appiah, Min Xu, Steve S. Carroll, Jay A. Grobler, Jeffrey Hale, Ming-Tain Lai, Vinay Girijavallabhan, Tracy L. Diamond

High-Dose VH3810109 (N6LS) ± Recombinant Human Hyaluronidase PH20: Phase I SPAN Study Safety Results
Beta Win, Peter Leone, Jan Losos, Paul Wannamaker, Riccardo D’Agostino, Michael Warwick-Sanders, Gabriela L. Ghita, Viviana Wilches, Max Lataillade

A Dose Escalation Study of Safety & PK of TMB-365 & TMB-380 in People With Suppressed HIV
Jacob P. Lalezari, Moti Ramgopal, Gary Richmond, Gordon Crofoot, Kuei-Ling Kuo, Yingan Lai, Martin Markowitz

Preclinical Pharmacokinetics of a Novel Long-Acting Bictegravir Solid Injectable in Rats
Usman Arshad, Joanne Sharp, Megan Neary, Joanne Herriott, Edyta Kijak, Eduardo Gallardo-Toledo, Paul Curley, Helen Cox, Eleanor Barlow, James J. Hobson, Andrew B. Dwyer, Jonathan Massam, Steve Rannard, Andrew Owen

Shape-Shifting Tail Decay Is the Pharmacokinetic Profile of an Ultra-Long Acting Bictegravir Prodrug
Mohammad Ullah Nayan, Ivana Massud, Srijanee Das, Brady Sillman, Brandon Hanson, Arpan Acharya, Tiancheng Edwards, Richard Haaland, Siddappa N. Byrareddy, Gerardo Garcia-Lerma, Walid Heneine, Charles W. Dobard, Howard E. Gendelman, Benson Edagwa

WITHDRAWN

Cabotegravir Stearate (XVIR-110), an InSTI Prodrug, Provides Ultra-Long Acting Cabotegravir Exposure
Brian P. Kearney, Brady Sillman, Howard E. Gendelman, Benson Edagwa, Leigh Ann Burns-Naas, Alborz Yazdi
ACTG 5381: Virologic and Resistance Outcomes After Switch to TLD for Failing 1st- or 2nd-Line ART

Viremia and Drug Resistance 2 Years After Routine Switching to Dolutegravir-Based First-Line ART

DTG Resistance in Patients with Previous ARV Experience and Viremia in Kenya Receiving DTG-Based ART
Leonard Kingwara, Vera M. Onwonga, Rukia S. Madada, Peter Lokamar, John N. Kiuru, James Wagude, Barbara Mambo, Caroline Mwangi, Rose Wafula, Kerri Penrose, Urvi M. Parikh, Bhavna Chohan

Emerging Dolutegravir Resistance in Lesotho
Nadine Tschumi, Blaise Lukau, Lipontoš Motaboli, Kattleho Tlali, Mpho Kao, Mathebe Kopo, Moleboheng Mokebe, Klaudia Naegle, Irene Ayakaka, Karoline Leuzinger, Jennifer A. Brown, Niklaus D. Labhardt

Resistance to Second-Generation InSTIs in Mexican PLWH: Emergence of the R263K Mutant

Virologic Outcomes With Tenofovir-Lamivudine-Dolutegravir for PI-Based Second-Line ART Failure
Ying Zhao, Jacqueline Vogel, Isaac Singini, Zaayid Omar, Vanessa Mudaly, Andrew Boulle, Gary Maartens, Graeme A. Meintjes

Impact of Archived Minority Populations With M184V/I on DTG/3TC for Maintenance of Viral Suppression
Rosa De Miguel Buckley, Mayra Sigcha, Maria de Lagarde, Jose Luis Blanco, Rocio Montejoano, Angela Gutiérrez Liarte, Esperanza Cañas-Ruano, Arkaitz Imaiz, Cristina Hernández, Antonio Ocampo Hermida, Pedro Gil, Rafael Delgado, Federico Pulido, Jose R. Arribas, for the VOLVER-GESIDA 11820 Study Group
694  Switching to Doravirine/Istratavir Maintains Viral Suppression Regardless of Archived Mutations
   Ernest Asante-Appiah, Steffy Joseph, Jingwen Chai, Megan Green, Karen Eves, Prachi Nair, Mandy Su, Stephanie Olsen Klopfer, Todd Alan Correll, Jason Yun Kim, Michelle Candice Fox

695  Longitudinal Analysis of Preexisting Resistance-Associated Mutations Prior to B/F/TAF Switch
   Michelle L. D’Antoni, Kristen Andreatta, Silvia Chang, Jason Hindman, Laurie VanderVeen, Christian Callebaut

Poster Session-I5 | HIV and Steatotic Liver Disease
2:30 PM - 4:00 PM • Poster Hall C-D

742  Race/Ethnicity and Risk of NASH and Clinically Significant Fibrosis in Persons Living With HIV
   Tinsay A. Woreta, Mark Sulkowski, Yuchen Xin, Laura Wilson, Eduardo Vilar-Gomez, Samer Gawrieh, Kathleen Corey, Jennifer Price, Susanna Naggie, Sonya Heath, Richard Sterling, James Tonascia, Rohit Loomba, Naga Chalasani, Jordan E. Lake

743  De Novo Liver Steatosis Among People With HIV On Contemporary Antiretroviral Therapy
   Carlotta Riebensahm, Nicholas Giamboni, Julia Brocker, Bernard Suriel, Huldrych F. Günthard, Philip E. Tarr, Hansjakob Furrer, Annalisa Berzigotti, Andri Rauch, Gilles Wandelzer

744  A Gut Microbiome Signature for HIV and Non-Alcoholic Fatty Liver Disease
   Javier Martinez-Sanz, Alba Talavera-Rodriguez, Jorge Diaz-Alvarez, Marta Rosas Cancio-Suarez, Juan Miguel Rodriguez-Gomez, Claudio Sanz, Maria Luisa Montes, Rosa Martin-Mateos, Diego Burgos-Santamaría, Santiago Moreno, Sergio Serrano-Villar, Matilde Sanchez-Conde

745  Liver Steatosis Is Not Associated With Endothelial Function or Hormone Use in Transgender Women
   Emilia M. Jalil, Rodrigo C. Moreira, Hugo Perazzo, Marcelo Cunha, Ronaldo Moreira, Laylla Monteiro, Monica D. Pedroza, Biancka Fernandes, Valdilea Veloso, Beatriz Grinsztejn, Sandra W. Cardoso

746  Increased levels of FGF21 and GDF15 Are Associated With Severity of NASH in People With HIV
   Paula Debroy, Francis Pike, Samer Gawrieh, Kathleen Corey, Ashok Balasubramanyam, Kate Ailstock, Nicholas Funderburg, Jordan E. Lake

747  Plasma Proteomics Signature of People Living With HIV, With or Without Obesity
   Louise E. van Eekeren, Nadira Vadaq, Vasiliki Matzaraki, Adriana Navas, Elise M. Meeder, Marc Blaauw, Wilhelm A. Vos, Albert L. Groenendijk, Gert Weijers, Jan van Lunzen, Mihai Netea, Andre J. van der Ven, Quirijn de Mast, Eric T. Tjwa, Leo Joosten
Starting ART Early After HIV Acquisition Reduces Long-Term Non-AIDS-Defining Malignancy Risk
Iris A. van der Wulp, Ferdinand Wit, Peter Reiss, Marc Van der Valk

Prevalence of Cancer Screening in People With HIV Utilizing a Symphony Health Data Linkage in Texas
Jennifer K. McGee-Avila, Eric Engels, Cameron B. Haas, Qianlai Luo, Marie-Josephe Horner, Meredith Shiefs

Racial Disparities in Cancer Incidence Among Men Who Have Sex With Men With HIV in the US, 2001-2019
Benton G. Meldrum, Meredith Shiefs, Jennifer K. McGee-Avila, Tyler Adamson, Qianlai Luo, Tabassum Insaf, Ruth Pfeiffer, Eric Engels, Cameron B. Haas

Prevalent and Incident Cancers in a Cohort of People With HIV in Latin America
Valeria I. Fink, Carina Cesar, Shengxin Tu, Bryan E. Shepherd, Claudia P. Cortes, Guilherme Calvet, Juan Sierra-Madero, Eduardo Gotuzzo, Diana Varela, Jessica L. Castilho, for the Caribbean, Central and South America Network for HIV Epidemiology (CCASAnet)

Increased Cancer Risk With Low CD4 Counts Persists Despite Over 2 Years of Virological Suppression
Jennifer F. Hoy, for the RESPOND and D:A:D Study Groups

Incidence of Diffuse Large B-Cell Lymphoma in Relation to the HIV Epidemic in South Africa, 2011-2021
Carole Metekoua, Mazvita Muchengeti, Yann Ruffieux, Patricia Kellett, Matthias Egger, Eliane Egger, Tracey Wiggill

HIV-Associated Heart Failure: Phenotypes and Clinical Outcomes in a Safety Net Setting
Matthew S. Durstenfeld, Anjali Thakkar, Yifei Ma, Priscilla Y. Hsue

Repeated Stimulant Use in the Context of Left Ventricular Dysfunction among Women Living with HIV
Elise D. Riley, Yifei Ma, Sanyog Shitole, Katherine C. Wu, Torsten Neilands, Adam W. Carrico, Claudia Martinez, Denise Vidot, Carlos Rodriguez, Aruna Chandran, Kathleen Weber, Jason Lazar, Antonina Foster, Phyllis Tien, Jorge R. Kizer

Proteomic Signature of HIV-Associated Myocardial Fibrosis and Incident Heart Failure
Factors Linked to Reduced Myocardial Flow Reserve in HIV Using 82Rb Positron Emission Tomography
Samantha Sithole, Serena Spudich, Mehran Sadeghi, Edward J. Miller, Attila Feher, Phillip Chan

Diastolic Dysfunction With Preserved Ejection Fraction in Humanized HIV-Female Mice on cART
Keshore R. Bidasee, Prasanta Dash, Fadhel A. Alomar, Zachary L. Venn, Chen Zhang, Rongyue Tu, Lili Guo, Bryan T. Hackfort, Santhi Gorantla

Poster Session-L2 | Metabolic Outcomes
2:30 PM - 4:00 PM • Poster Hall C-D

A Combination of Steatosis-Fibrosis Index Predict Mayor Cardiovascular Events in PLHIV
Maria Luisa Montes, Carmen Busca, Antonio Oliveira, Jose I. Bernardino, Luz Martin-Carbonero, Marta Abadia, Eulalia Valencia, Rafael Mic an, Rocio Montejano, Rosa De Miguel Buckley, Jose R. Arribas, Juan González-Garcia

T-Cell Subsets and Incidence of Diabetes in Persons With HIV in the ACTG Study A5001
Katherine Tassiopoulos, Kunling Wu, Robert C. Kalayjian, Susan L. Koletar, Frank Palella, John Koethe, Alan Landay

Subcutaneous Adipose Tissue Myofibroblasts Are Associated With the Lipidome

Depressive Symptom Burden Predicts Diabetes Mellitus Control Among People Living With HIV
Aima A. Ahonkhai, Aihua Bian, Paridhi Ranadive, Greer Burkholder, Richard D. Moore, Barbara M. Gripshover, Edward Cachay, Jennifer P. Jain, Kenneth H. Mayer, Deana Agil, April Pettit, Mari Kitahata, Heidi M. Crane, Bryan E. Shepherd, Jessica L. Castilho

Effectiveness of Electronic Screening for Substance Use, Depression, and Anxiety in HIV Primary Care
Michael J. Silverberg, Tory Levine, Varada Sarovar, Alexandra Lea, Amy S. Leibowitz, Michael A. Horberg, Charles B. Hare, Mitchell N. Luu, Jason A. Flamm, Derek D. Satre

Group Therapy Reduces Depression Among People Newly-Enrolled in HIV Care in Kampala, Uganda
Sarah Lofgren, Vanessa Akinyange, Anita Arinda, Raymond Sebuliba, David J. Bond, David R. Boulware, Noeline Nakasujja
**Poster Session-L9 | Aging and Frailty**

2:30 PM - 4:00 PM • Poster Hall C-D

836  
**Biomarkers of Microbial Translocation and Inflammation Associated With Frailty Among People With HIV**  

837  
**Excess Inflammation Associated With AIDS and Non-AIDS Complications in Adults on ART**  
Kanal Singh, Shweta Sharma, Birgit Grund, Alejandro Arenas-Pinto, Nnakeleu Eriobu, Edward Gardner, Win Min Han, Jose Hidalgo, Jennifer Hoy, Jakob Malin, Daniel Murray, Siegfried Schwarze, Alan Winston, Jason Baker, for the INSIGHT START Study Group

838  
**Optimizing Long-Term Exercise Benefits for Older Adults With HIV: The MOVING Study**  
Matilde Sánchez-Conde, Jorge Díaz-Álvarez, Rafael García-Molina, Jesus Fernandez-Luna, Marta Martinez, Brian B. Vasquez-Brolen, Sara Martin-Colmenarejo, Pablo Ryan, Fernando Dronda, Fatima Branas

839  
**Clonal Hematopoiesis and HIV Infection Are Associated With Geriatric Outcomes: The ARCHIVE Study**  
Win Min Han, Mark Bloch, David A. Baker, Norman Roth, Jennifer F. Hoy, Ian Woolley, Robert Finlayson, Jane Costello, Mark Dawson, Sarah-Jane Dawson, Mark Polizzotto, Kathy Petoumenos, Paul Yeh, Nila J. Dharan, for the ARCHIVE Study Group

840  
**Frailty and Health-Related Quality of Life in an Aging Cohort of People With HIV, 2012-2022**  
Lydia N. Drumright, Bridget Whitney, Crystal Chapman Lambert, Amanda Willig, Robin M. Nance, Stephanie A. Ruderman, Sonia Napravnik, Katerina Christopoulos, Edward Cachay, Lara Haidar, Jimmy Ma, Mari Kitahata, Allison R. Webel, Heidi M. Crane

841  
**Dasatinib + Quercetin Drugs Reduced Senescent-Associated Secretory Phenotype (SASP) in PLWH PBMCs**  
Núria Climent, Víctor Casanova, Andrea Rodríguez Agustín, María José Maleno, Cristina Rovira, Josep Mallolas, Juan Ambrosioni, Sonsoles Sánchez-Palomino, José M. Miró, José ALCami

842  
**Neighborhood Vulnerability Predicts Non-Communicable Disease Risk Among People With HIV**  
Aiwei Yan, Aihua Bian, Peter F. Rebeiro, Megan Turner, Paridhi Ranadive, Chandler Shaffermecker, Austin Katona, Noelle Best, Victor Tian, Leslie J. Pierce, Timothy R. Sterling, Bryan E. Shepherd, Jessica L. Castilho, Aima Ahonkhai

843  
**Application of STOPP Criteria in an Urban Cohort of People Aging With HIV**  
Lauren F. O’Connor, Jenna Resnik, Sam Simmons, Vinay Bhandaru, La’Marcus Wingate, Debra Benator, Amanda Castel, Anne Monroe, for the DC Cohort Executive Committee
Triple Screening for Invasive Mycoses in Patients With Advanced HIV Disease in Vietnam
Vu Quoc Dat, Dieu Q. Nguyen, Hao T. Nguyen, Vo Trieu Ly, Thach N. Pham, Do Duy Cuong, Nam X. Ha, Tran Thi Hong Chau, Phuong L. Trinh, Khanh H. Dang, Phan Thi Hong Dao, Trinh Thi Men, Nguyen Thi Hoai Dung, H Rogier van Doorn, Thuy Le, for the Talaromycosis Study Group

Enhancing Advanced HIV Screening: Innovating With the ‘Hub and Spoke’ Testing Model in Tanzania
Nelson M. Jonas, Alexander Christopher J. Christopher, Amos Scott, Julius Zelothe, John Roman, Aaron Tesha, Frederick Ndossi, Christopher Henjewele, Josephat Francis, Peter Mlacha, Hosea William, Andrea Mbunda, Eva Matiko, Redempta Mbatio

Clinical Relevance of the CRAG Semiquantitative Scores in CRAG-Positive People with AIDS
Thu T. M. Nguyen, Sruthi Venugopalan, Khanh H. Dang, Phuong L. Trinh, Heera N. Sambath, Matthew T. Burke, Vo Trieu Ly, H Rogier van Doorn, Vu Quoc Dat, Thuy Le

Semi-Quantitative Cryptococcal Antigen Testing and Mortality in HIV-Related Cryptococcal Meningitis
F. Kathryn Boyd, Olivia Maskill, Ronan Doyle, Kwana Lechiile, Cecilia Kanyama, Graeme A. Meintjes, David B. Meya, Mosepele Mosepele, Conrad Muzoora, Henry C. Mwandumba, Chiratidzo Ndhlovu, Thomas S. Harrison, David S. Lawrence, Joseph N. Jarvis, for the AMBITION Study Group

NSE and UCHL1 as Prognostic Biomarkers for Mortality From Cryptococcal Meningitis
Mary Foley, F. Kathryn Boyd, Ronan Doyle, Kwana Lechiile, Conrad Muzoora, Cecilia Kanyama, Graeme A. Meintjes, David B. Meya, Mosepele Mosepele, Henry C. Mwandumba, Chiratidzo Ndhlovu, Thomas S. Harrison, David S. Lawrence, Joseph N. Jarvis, for the AMBITION Study Group

Histoplasmosis in Advanced HIV Disease: A Multi-Center Prospective Diagnostic Validation Study
Hao T. Nguyen, Dieu Q. Nguyen, Vo Trieu Ly, Khanh H. Dang, Phuong L. Trinh, Thach N. Pham, Nguyen Thanh Dung, Nguyen Thi Lan, Do Thi Le Na, Nguyen Thanh Vinh, Nguyen Phu Huong Lan, Vu Quoc Dat, H. Rogier van Doorn, Thuy Le, for the Talaromycosis Study Group

Ultra Xpert in Blood and Urine and Myco/F Lytic Blood Culture in Patients With Advanced HIV Disease
Dieu Q. Nguyen, Hao T. Nguyen, Thu D. Do, Quang L. Nguyen, Vu Quoc Dat, Phuong L. Trinh, Khanh H. Dang, Thach N. Pham, Nguyen Thanh Dung, Nguyen Phu Huong Lan, Vo Trieu Ly, Nguyen Thuy Thuong Thuong, H. Rogier van Doorn, Thuy Le, for the Talaromycosis Study Group

Tuberculosis Drug Resistance Profiling by Targeted Next-Generation Sequencing in Sub-Saharan Africa
Tiana C. Schwab, Lavania Joseph, Andrew Moono, Pauline Gölloer, Guy Muula, Denise Evans, Carolyn Bolton, Alban N. Ramette, Matthias Egger, Shaheed Omar, Lukas Fenner, for IeDEA Southern Africa (IeDEA-SA)
High Genetic Diversity of Rifampicin-Resistant *Mycobacterium tuberculosis* Strains in Botswana

Tuelo Mogashoa, Johannes Loubser, Anzaan Dippenaar, Ontlametse T. Bareng, Patience Motshosi, Kedumetse Seru, Tuduetso Molefi, Maruping Maruping, Chawangwa Modongo, Dimpho Otukile, Mpaphi Mbulawa, Simani Gaseitiswe, Rob M. Warren, Sikhulile Moyo, Elizabeth M. Streicher

---

**Poster Session-01 | Preventing HIV in Pregnancy and Breastfeeding**

2:30 PM - 4:00 PM • Poster Hall C-D

---

**Poster Session-O1 | Preventing HIV in Pregnancy and Breastfeeding**

2:30 PM - 4:00 PM • Poster Hall C-D

---

**Poster Session-02 | Improving Maternal Outcomes on Antiretroviral Therapy**

2:30 PM - 4:00 PM • Poster Hall C-D

---

**Poster Session-O2 | Improving Maternal Outcomes on Antiretroviral Therapy**

2:30 PM - 4:00 PM • Poster Hall C-D

---

**Poster Session-O2 | Improving Maternal Outcomes on Antiretroviral Therapy**

2:30 PM - 4:00 PM • Poster Hall C-D

---

**Poster Session-O2 | Improving Maternal Outcomes on Antiretroviral Therapy**

2:30 PM - 4:00 PM • Poster Hall C-D

---

**Poster Session-O2 | Improving Maternal Outcomes on Antiretroviral Therapy**

2:30 PM - 4:00 PM • Poster Hall C-D

---

**Poster Session-O2 | Improving Maternal Outcomes on Antiretroviral Therapy**

2:30 PM - 4:00 PM • Poster Hall C-D

---

**Poster Session-O2 | Improving Maternal Outcomes on Antiretroviral Therapy**

2:30 PM - 4:00 PM • Poster Hall C-D
Poster Session-P5 | Comorbidities and Complications in Children and Adolescents with HIV Infection
2:30 PM - 4:00 PM • Poster Hall C-D

906 A Novel Risk Calculator to Predict Sub-Optimal Outcomes Among Pregnant and Postpartum Women With HIV
Karen Hampanda, Kevin Owuor, Laura K. Beres, Emmah Ouma, Maricianah A. Onono, Anna Helova, Mercelline Onyando, Jeff Szychowski, I. L. Abuogi, Janet M. Turan

907 Mentor Mothers! Community Model to Attain Elimination of Mother-to-Child HIV Transmission, Tanzania
Neema E. Makyao, Amani Maro, Agnes Kosia, Aaron Godwin, Donatha Kayoza, Amos Nyirenda

908 Comparison of Models of Care to Promote Postpartum Viral Suppression in South African Women
Mustafa Shuaib, Tamsin Philips, Jasantha Odayar, Thokozile R. Malaba, Elaine J. Abrams, Landon Myer

909 Budget Impact Analysis of an Enhanced Retention Strategy for PMTCT Programs in Uganda
Elly Nuwamanya, Mohammed Lamorde, Ronald Galiwango, Tabitha Ayabo, Dianah Namuddu, Benjamin Johnson

967 Influence of Childhood Adversity on Cardiovascular Health in HIV Youth in Uganda
Saheera Dirajlal-Fargo, Shan Sun, Christine Karungi, Joy Gumikiriza-Onoria, Angel Nanteza, Nicholas Funderburg, Victor Musiime, Grace A. McComsey, Reuben Robbins

968 Changes in the Lipidome Are Associated With Immune Activation in Ugandan PHIV
Saheera Dirajlal-Fargo, Melica Nikahd, Kate Ailstock, Manjunath Manubolu, Victor Musiime, Grace A. McComsey, Nicholas Funderburg

969 Activated Proinflammatory NK Cells Promote Atherogenesis in Adolescents With Perinatally Acquired HIV
Mario J. Alles, Manuja G. Gunasena, Victor Musiime, Cissy Kityo, Banumathi Tamilselvan, Brian Richardson, Wendy Ching-Wen Li, Cheryl Cameron, Mark Cameron, Saheera Dirajlal-Fargo, Nicholas Funderburg, Namal P. Liyanage

970 DNA Methylation Signatures of Inflammation in Youth Living With Perinatally-Acquired HIV
Stephanie Shiau, Sean Brummel, Jasmine Douglas, Francesca Zumpano, Michael J. Corley, Jennifer Jao, Murlil Purswani, Kunjal Patel, Carmen Marsit, for Pediatric HIV/AIDS Cohort Study (PHACS)

971 Young CPHIV Have Low Proinsulin to C-Peptide Ratios That Inversely Correlate With T-Cell Exhaustion
Wei Li, Emily Sims, Mussa Mwamzuka, Fatma Marshed, Aabid Ahmed, Alka Khaitan
972 Metabolomic Signature in Youth With Perinatally Acquired HIV and Non-Alcoholic Fatty Liver Disease
Silvia Chafino, Laura Tarancón-Diez, Jara Hurtado-Gallego, Sonia Alcolea, Antonio Olivera, María Luisa Navarro, Salvador Fernández-Arroyo, Consuelo Viladés, María Luisa Montes, Francesc Vidal, Joaquim Peraire, Anna Rull, Talia Sainz

973 Low Bone Density Accrual and Increased Inflammation in Zimbabwean Adolescents With Perinatal HIV
Lisha Jeena, Victoria Simms, Rukuni Ruramayi, Andrea M. Rehman, Celia Gregson, Rashida A. Ferrand, Sarah Rowland-Jones, Anthony Hsieh

974 WITHDRAWN

975 Association Between HIV and Cytomegalovirus and Neuropsychological Outcomes Among Children With HIV
Jillian Neary, Daisy Chebet, Sarah Benki-Nugent, Hellen Moraa, Noah Cassidy, Carolyn Fish, Barbra Richardson, Irene Njuguna, Agnes Langat, Evelyn Ngugi, Dara Lehman, Jennifer Slyker, Dalton C. Wamalwa, Grace John-Stewart

976 Regional Brain Volume as Predictor of Cognitive and Mental Health Outcomes in Youth Living With HIV
Sedthapong Chunamchai, Anantaporn Sena, Akarin Hirsansuthikul, Phillip Chan, Robert Paul, Somchai Sriplienchan, Thanyawee Puthanakit, Serena Spudich, Chaiapat Chunharas

977 Neurocognitive Performance in Adolescents Living With HIV in Zimbabwe
Nyasha V. Dzavakwa, Annalie Shears, Nicol Redzo, Tsitsi Bandason, Hilda A. Mujuru, Joseph Piper, Victoria Simms, Rashida A. Ferrand, for the VITALITY Mind Team

978 Development of Domain-General Cognition in Adolescents With HIV Is Slower Than Healthy Individuals
Anantaporn Sena, Sedthapong Chunamchai, Akarin Hirsansuthikul, Phillip Chan, Robert Paul, Somchai Sriplienchan, Thanyawee Puthanakit, Serena Spudich, Chaiapat Chunharas

979 Adult Outcomes Among Young People With Perinatal HIV Infection and Exposure in the United States

980 High Burden of HIV-Related Disease Among Adults With Perinatally-Acquired HIV in Argentina
Violata Z. Ortiz, Julian Vega, Maria L. Santos, Solange Arazi Caillaud, José A. Barletta, María J. Rolón
Pediatric HIV Hotspots: Machine Learning and Geostatistical Analysis for Enhanced Case Finding
Amobi A. Onovo, Kathleen Handley, Gonza Omoro, Jonah Maswai, Reuben Ngumo, John Owuoth, Rosemary Mrina, Patricia Agaba

Pediatric Emergency Department-Based Opt-Out HIV Screening Identifies Adolescents Living With HIV
Sandy Francois, Mark A. Griffiths, Melissa N. Cameron, Jordan E. Daniel, Bridget A. Wynn, Sara P. Brown, Sarah Thompson, Rebekah G. Carter, Kelly DeNaples, Swaminathan Kandaswamy, Evan Orenstein, Andres Camacho-Gonzalez, Claudia R. Morris, Lauren Middlebrooks

Evaluation of Electronic Peer Navigation to Prevent Engagement Failure for Youth in Kenya

Effectiveness of the mHealth Intervention, InTSHA, Among Adolescents With HIV in South Africa
Brian C. Zanoni, Moherndran Archary, Thobekile Sibaya, Casiel T. Gethers, Madeleine Goldstein, Scarlett Bergam, Christina Psaros, Vincent Marconi, Jessica Haberer

Is HIV Outbreak Among Children in Larkana Over? Findings From a Large Test and Treat Initiative
Muhammad S. Jamil, Muhammad S. Pasha, Shahida Memon, Atif Ali, Tanweer Hussain, Altaf A. Soomro, Saima Mushtaq, Sikandar Memon, Joumana Hermez

Data Informed Stepped Care (DiSC) to Improve HIV Care for Youth With HIV: A Cluster Randomized Trial
Pamela Kohler, Wenwen Jiang, Jacinta Badia, James Kibugi, Jessica Dyer, Julie Kadima, Dorothy Oketch, Kristin Beima-Sofie, Sarah Hicks, Barbara Richardson, Irene Inwani, Seema Shah, Grace John-Stewart, Kawango Agot

Progress Toward 95-95-95 and Viral Suppression Among FSW/ CSEG in Unguja, Zanzibar, 2023

Individual- and Community-Level Predictors of HIV Care Continuum Progression: Clark County, Nevada
Ravi Goyal, Alan Wells, Victoria Burris, Angel Stachnik, Preston Nguyen Tang, Lyell Collins, Sanjay R. Mehta, Susan J. Little
Multiple Care Disengagements and CD4 Restoration: A Comparative Analysis in People With HIV
Giota Touloumi, Achilleas Stamoulopoulos, Christos Thomadakis, Vasilios Paparizos, Vasilios Papastamopoulos, Konstantinos Protopapas, Georgios Adams, Maria Chini, M. Psychogiou, Georgios Chrysos, Nikos Pantazis, Helen Sambatakou

A Multistate Analysis of Longitudinal Care Outcomes Among People Newly—Linked to Care in Missouri
Aditi Ramakrishnan, Aaloke Mody, Daniel Vo, Ernie-Paul Barrette, Rachel Presti, William G. Powderly, Anne Trolard, Catherine Schwarz, Elvin Geng, Lindsey M. Filiatreau

Rethinking the Definition of Late HIV Diagnosis Using Florida Surveillance Data, 2015-2021
Christina E. Parisi, Robert Cook, Zhigang Li, Shantrel Canidate, Aweewura Kwara, Zhi Zhou, Natalie Chichetto

Temporal Trends in CD4 Cell Count Soon After Seroconversion and HIV-RNA Viral Set-Point
Nikos Pantazis, Dominique Costagliola, Ard van Sighem, Inma Jarrin, Laurence Meyer, Caroline Sabin, Christina Carlander, John Gill, Shema Tariq, Bruno Spire, Fiona Burns, Elisa Ruiz-Burga, Kholoud Porter, Giota Touloumi, for the CASCADE Collaboration

Advanced HIV Disease and the Care Cascade: Trends From 2015-2021
David S. Lawrence, Melanie Moyo, Mark W. Tenforde, Kwana Lechiile, Charles Muthoga, Tshepo B. Leeme, Thomas S. Harrison, Madisa Mine, Joseph N. Jarvis, for the AMBITION Study Group

Global Trends in CD4 Count Measurement and Prevalence of CD4 <200 cells/μL at ART Initiation
Renee De Waal, Kara Wools-Kaloustian, Ellen Brazier, Keri N. Althoff, Antoine Jacquet, Stephany Duda, Nagalingeswaran Kumarasamy, Helen Byakwaga, Gad Murenzi, Amy C. Justice, Didier Koumavik Ekouevi, Carina Cesar, Mark Pasayan, Reshma Kassanjee, for International Epidemiology Databases to Evaluate AIDS

Difficult-to-Treat HIV in Sweden: Describing the Current Landscape
Olof Elvstam, Viktor Dahl, Anna Weibull Wärnberg, Susanne von Stockenström, Aylin Yilmaz

Modeled Estimates of Disease Burden Attributable to Interactions Between HIV and Depression in Kenya
Daniel T. Citron, Hae-Young Kim, Rosco Kasuji, Samuel Mwalili, Josline Chemutai, Ingrinda Platais, Frey Assefa, Anna Bershteyn

Life-Years Lost Associated With Mental Illness in People With HIV in South Africa and North America
Yann Ruffieux, Keri N. Althoff, Brenna Hogan, Greg Kirk, Raynell Lang, Angela Parcesepe, Michael J. Silverberg, Chunyan Zheng, John Joska, Mpho Tlali, Naomi Folb, Gary Maartens, Mary-Ann Davies, Matthias Egger, Andreas Haas

Modeled Estimates of Disease Burden Attributable to Interactions Between HIV and Depression in Kenya
Daniel T. Citron, Hae-Young Kim, Rosco Kasuji, Samuel Mwalili, Josline Chemutai, Ingrinda Platais, Frey Assefa, Anna Bershteyn
<table>
<thead>
<tr>
<th>Poster Session</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>1050</td>
<td>Prevalence of Diagnosed and Undiagnosed Depression Among US Adults With HIV</td>
<td>Linda Beer, Linda J. Koenig, Yunfeng Tie, Xin A. Yuan, Jennifer Fagan, Kate Buchacz, John Weiser</td>
</tr>
<tr>
<td>1051</td>
<td>Trends in Suicide-Related Emergency Department Visits Among People With and Without HIV in Bronx, NY</td>
<td>Chloe Roske, Caitlin Hills, Wenzhu B. Mowrey, Yingchen Xu, Aaron S. Breslow, Atul K. Bhattiprolu, Ava Erulker, Grshima Patel, Joan W. Berman, Anjali Sharma, Vilma Gabbay, David B. Hanna</td>
</tr>
<tr>
<td>1052</td>
<td>Progress Toward Achieving National Goals for Improved Quality-of-Life Among Black Women With HIV</td>
<td>Jerris L. Rafford, Yunfeng Tie, Xin A. Yuan, Kathy Byrd, Kate Buchacz, Linda Beer</td>
</tr>
<tr>
<td>1053</td>
<td>Mind the Gap: Life Expectancy and Mortality in Males &amp; Females With HIV in British Columbia, Canada</td>
<td>Katherine Kooij, Wendy Zhang, Jason Trigg, Nance Cunningham, Michael Budu, Viviane Dias Lima, Kate Salters, Rolando Barrios, Julio Montaner, Robert Hogg</td>
</tr>
<tr>
<td>1054</td>
<td>Leading Causes of Death Among People With HIV in the US, 2001-2019</td>
<td>Karena Volesky-Avellaneda, Eric Engels, Qianlai Luo, Meredith Shiels</td>
</tr>
<tr>
<td>1055</td>
<td>Age-Adjusted Mortality Rates Among Persons With HIV, by Race and Ethnicity and Cause of Death</td>
<td>Cameron Stainken, Cassandra O. Schember, Nannie Song, Deanna Sykes, Philip Peters, Darpun Sachdev</td>
</tr>
<tr>
<td>1056</td>
<td>Mortality Among People Living With HIV in India: Emergence of Noncommunicable Diseases</td>
<td>Manish Bamrotiya, Neha Garg, Alice Marak, Jade Bell, Maria Salvat Ballester, Allison M. McFall, Shruti Mehta, Sunil Suhas Solomon, Bhawani Kushwaha, Chinmoyee Das, Purnima Parmar, Hakali Zimomi, Nidhi Kesarwani</td>
</tr>
<tr>
<td>1057</td>
<td>Registered Causes of Death Remain Largely Unknown Among People With HIV in Latin America</td>
<td>Yanink Caro-Vega, Antonio Pacheco, Karu Jayathilake, Gabriela Carriquiry, Paula M. Luz, Daisy Machado, Jorge Pinto, Claudia Cortes, Carina Cesar, Marco T. Luque, Vanessa Rouzier, Stephany Duda, Peter F. Rebeiro, for the Caribbean, Central &amp; South American Network for HIV epidemiology (CCASAnet)</td>
</tr>
<tr>
<td>1058</td>
<td>Predicting Cause-Specific Mortality With the VACS Index 2.0 Among Persons With HIV</td>
<td>Julie Ambia, Suzanne M. Ingle, John Gill, Sophie Abgrall, Mojgan Hessamfar, Peter Reiss, Christoph Wyen, Heidi M. Crane, Inma Jarrin, Michael J. Silverberg, Kathleen A. McGinnis, Amy C. Justice, Jonathan A. Sterne, Adam Trickey, for the Antiretroviral Therapy Cohort Collaboration (ART-CC)</td>
</tr>
</tbody>
</table>
Care Interruptions and Mortality Among Adults on Antiretroviral Therapy in Europe and North America
Adam Trickey, Christopher T. Rentsch, Nikos Pantazis, Rebeca Izquierdo, Andrea Antinori, Gisela Leierer, Greer Burkholder, John Gill, Marc Van der Valk, F. Bonnet, Heidi M. Crane, Michael J. Silverberg, Suzanne M. Ingle, Jonathan A. Sterne, for the Antiretroviral Therapy Cohort Collaboration (ART-CC)

Impact of Accessing Care at an Advanced Stage on Mortality in PWH in France, 2002-2016
Valérie Potard, Malamine Gassama, Emilie Lanoy, Sylvie Abel, Firouze Bani Sadr, Sylvie Bregigeon, Fabienne Caby, Blandine Denis, Pierre de Truchis, Guillaume Martin-Blondel, Lionel Piroth, Axel Ursenbach, Dominique Costagliola, Sophie Grabar, for the ANRS CO4 FHDH Late Presentation Study Group

Trends in Hospital Readmission Among People With and Without HIV in the US, 2010-2020
Xianming Zhu, Eshan U. Patel, Mary Kate Grabowski, Thomas C. Quinn, Stephen A. Berry, Kelly A. Gebo, Aaron A. R. Tobian

Poster Session-Q8 | Insights from HIV Molecular Epidemiology
2:30 PM - 4:00 PM • Poster Hall C-D

Wastewater Monitoring of HIV-1: Feasibility and Comparison to Surveillance Data
Marlene K. Wolfe, Meri Varkila, Julie Parsonnet, Alexandria B. Boehm

Statewide Real-Time Integration of Molecular and Contact Tracing Data to Disrupt HIV Transmission
Rami Kantor, Jon Steingrimsson, John Fulton, Vlad Novitsky, Mark Howison, Fizza Gillani, Lila Bhattaraai, Meghan MacAskill, Joel Hague, August Guang, Aditya Khanna, Casey Dunn, Joseph Hogan, Thomas Bertrand, Utpala Bandy

Incident HIV Infection Drives Community HIV Cluster Growth
Antoine Chaillon, Alan Wells, Tom Chen, Ravi Goyal, Samantha Tweeten, Sanjay R. Mehta, Susan J. Little

Contribution of HIV Transmission Bursts to Future HIV Infections, United States
Rachael Billock, Anne Marie France, Neeraja Saduvala, Nivedha Panneer, Alexandra M. Oster, Camden J. Hallmark, Joel O. Wertheim

HIV Cases Averted in Phylogenetic Clusters via Preexposure Prophylaxis in British Columbia, Canada
Angela McLaughlin, Junine Toy, Paul Sereda, Jason Trigg, Vincent Montoya, Richard H. Liang, Charlotte Beelen, Tim Tang, Alex LaBerge, Chanson J. Brumme, Rolando Barrios, Julio S. Montaner, Jeffrey B. Joy

Geospatial and Phylogenetic Clustering of Acute HIV Infections in Lilongwe, Malawi
Griffin J. Bell, Kimberly Powers, Oliver Ratmann, Ann M. Dennis, Pearson Mmodzi, Mitch Matoga, Edward Jere, David Bonsall, Sharon Weir, Michael Emch, Irving F. Hoffman, Myron S. Cohen, William Miller
1068 Increasing Intra- and Inter-Subtype HIV Diversity Despite Rapidly Declining HIV Incidence in Uganda
Seungwon Kim, Michael A. Martin, Ronald M. Galiwango, Oliver Laiyendecker, Thomas C. Quinn, Godfrey Kigozi, Robert Ssekubugyo, David Bonsall, Steven J. Reynolds, Brian Foley, Lucie Abeler-Dörner, Christophe Fraser, Oliver Ratmann, Joseph Kagaayi, Mary Kate Grabowski

1069 HIV-1 A6 Variant Transmissions Poland Are Fuelled by War Refugees From Ukraine & Local MSM Clusters
Karol Serwin, Kaja Scheibe, Anna Urbańska, Bogusz Aksak-Wąs, Magdalena Witak-Jędra, Piotr Ząbek, Ewa Siwak, Iwona Cielińska, Paweł Jakubowski, Monika Bociąga-Jasik, Elżbieta Mularska, Bartosz Szetela, Aleksandra Szymczak, Milosz Parczewski

1070 HIV Spread in Miami-Dade County
Antoine Chaillon, Alan Wells, Sanjay R. Mehta, Susan J. Little

1071 Genetic Diversity From Proviral DNA as a Proxy for Time Since HIV-1 Infection
Marius Zeeb, Paul Frischknecht, Karin Metzner, Michael Huber, Christine Leeman, Julia Notter, Andri Rauch, Marcel Stöckle, Alexandra Calmy, Matthias Cavassini, Enos Bernasconi, Dominique Braun, Huldrych F. Günthard, Roger Koyou, for the Swiss HIV Cohort Study

1072 The Impact of COVID-19 on HIV Mortality Trends in United States Black, White, and Hispanic Adults
Elizabeth B. Pathak, DaRel M. Barksdale, Mary Y. Masterson, Paul A. Burns

1073 COVID-19-Related Shutdowns and Viral Suppression in the US and Canada

Ellen M. Tedaldi, Qingjiang Hou, Carl Armon, Jonathan Mahnken, Frank Paella, Gina Simoncini, Jack Fuhrer, Cynthia Mayer, Alexander C. Ewing, Kalliope Chagaris, Kimberly Carlson, Jun Li, Kate Buchacz

1075 Variation in Viral Load Testing and Outcomes in Telehealth HIV Care During COVID-19
Valerie Yelverton, Jan Ostermann, Michael E. Yarrington, Andrew K. Weinhold, Nabil Natafji, Bankole Olatosi, Sharon Weissman, Nathan M. Thielman

1076 Differences in Country-Level COVID-19 Mortality Across the Western Hemisphere
Katie Kerckaert, Adina Z. Zhang, Serena Koenig, Pierre Cremieux, Vanessa Rouzier

Poster Session-Q9 | COVID-19 Epidemiology and Impact on HIV Outcomes
2:30 PM - 4:00 PM • Poster Hall C-D
What's in a Wave: Using COVID-19 Data to Explore the Definition of Epidemic Waves
Joshua Smith-Sreen, Jorge Ledesma, Mark Lurie

National HIV Testing Trends and Sociodemographic Correlates in Black Cisgender or Transgender Women
Xinyi Li, Yijin Xiang, Jincong Q. Freeman, Yong G. Lee

Seroprevalence of Mpox IgG Antibodies in a Cohort of PLWH in Rome During the 2022 Outbreak
Pierluigi Francesco Salvo, Rebecca Jo Steiner, Damiano Farinacci, Valentina Iannone, Francesco Lamanna, Rosa Anna Passerotto, Alberto Borghetti, Simona Di Giambenedetto, Francesca Lombardi

Impact of COVID-19 Pandemic on HIV Testing Among MSM: An Interrupted Time Series Analysis
Emily J. Green, Lamia Khan, Jamieson T. Jann, Marjan Javanbakht, Risa Flynn

Late HIV Diagnosis in CoRIS, 2012-2022, and Impact of a Formative Session in 20 Primary Care Centers

Test-All Model for SARS-CoV-2 Testing Is More Cost-Effective Than Screen & Test in Kenya & Cameroon
Mario J.P. Songane, Boris Tchounga, Rose Masaba, Tatiana Dijkeussi, James Ndimbii, Carolyn Mwanaka-Kwasa, Emilienne Epée, Anne Bissek, Aida Yemaneberhan, Laura Guay, Rhoderick Macheke, Nilesh Bhatt, Appolinaire Tiam, Sushant Mukherjee

Validation and Acceptability of SARS-CoV-2 Loop-Mediated Isothermal Amplification Test in Malawi
Maggie Nyirenda-Nyang’wa, Mercy Kamdolozi, Harry Meleke, David Chaima, Vincent S. Phiri, Thomas Waterfield, Nedson Bondera, Maganizo B. Chagomerana, James McKenna, Thandie Mwalukomo, Chisomo Msefula, Tonnex Nyirenda, Derek Fairley, Mina Hosseinipour, for SARS LAMP Group

Estimation of Recent HIV Infections in Japan Using a Novel Testing Algorithm With Chronological Tree
Teiichiro Shiino, Shuzo Matsushita, Tadashi Kikuchi, Machiko Otani, Kazuhiisa Yoshimura, Wataru Sugiuira, for Japanese Drug Resistance HIV-1 Surveillance Network
Rebecca B. Hershow, Dita Broz, Lyssa Faucher, Johanna Chapin-Bardales, for National HIV Behavioral Surveillance Study Group

1087 Rapid Diagnosis of HIV Infection and Initiation of Antiretroviral Treatment
Monica Mantilla Suarez, Leonardo Arevalo, Hector Mueses

1088 Targeted Outreach to Increase Linkage to Preventative Services for Patients Tested for Mpox
Hannah Blanchard, Helen King, Kristin Alvarez, Ank Nijhawan, Virali Soni

1089 Detection of Diverse HIV Strains by the m-PIMA™ HIV-1/2 Detect Point-of-Care Assay
Mark C. Anderson, Lara I. Teodoro, Fiona Harley, Eduardo Almaraz, Carolyn Strobel, Barbara Harris, Todd V. Meyer, Mary Rodgers, Gavin Cloherty

1090 HIV & HCV Screen Rates for Hospitalized PWUD Are Heterogeneous & Suboptimal Across 11 US Hospitals

1091 Development and Evaluation of Tasso-M50 Method for Dried Blood Viral Load Detection

1092 Declines in HIV Testing and Diagnoses: Unanticipated Consequences of Trump Adm 2019 Title X Policy
Jennifer Sherwood, Elise Lankiewicz, Deborah Stenoien, Nathan Roberson, Brian Honermann, Greg Millett

Poster Session-S6 | Differentiated Service Delivery Models for PrEP and TasP
2:30 PM - 4:00 PM - Poster Hall C-D

1140 Enabling Mobility of Health Workers With Motorcycles to Improve PrEP Uptake Among Key Populations
Mwedi Mohamedi, John Roman, Ola F. Jahanpour, Appolinary Bukuku, Japhet Daud, Damian Laki, Frederick Ndossi, Eva Matiko, Redempta Mbatia, Josephat Francis, Ramadhani Gongo, Nyagonde Nyagonde, Galal King’ori, Oscar Rwabiyago

1141 Enhancing HIV PrEP Coverage Through Primary Care Initiation: A French Nationwide Study
Sophie Bamouni, Sophie Billioli De Gage, David Desplas, Julie Valbousquet, Julie Lamant, Jean-Philippe Joseph, François Dabis, Agnès Virot, Salim Fakir, Rosemary Dray-Spira, Michel Carles
Late-Breaking New Investigator Scholarship

**Poster Sessions**

**Wednesday CROI 2024**

---

**1142**

Uptake of HIV prevention by Notified Seronegative Partners in HIV-Discordant Couples in Uganda

**Edith Namulema**, Elizabeth Mutambuze, Isaac Lwanga, Allan Simwogerere, Racheal Ankunda, Tonny Tumwesigye, Nelson Mugume, Arthur G. Fitzmaurice, Maria Bafumba

---

**1143**


---

**Poster Session-S7**

**PrEP Drug-Drug Interactions and Complications**

2:30 PM - 4:00 PM - Poster Hall C-D

---

**1144**

No Significant Interactions From Hormone Therapy on F/TAF-Based PrEP in Trans Women: iFACT3 Study

Akarin Hiransuthikul, Narkjakorn Thammajaruk, Stephen Kerr, Rena Janamnuaysook, Siriporn Nonenoy, Piranun Hongchookiat, Rapee Trichavaroj, Yardpirono Tawon, Jakkrapatara Boonruang, Nipat Teeratakulpisan, Tim R. Cresssey, Peter L. Anderson, Nittaya Phanuphak, for the iFACT3 Study Team

---

**1145**

No Significant Interactions From Hormone Therapy Toward F/TDF-Based PrEP in Trans Men: iMACT Study

Akarin Hiransuthikul, Narkjakorn Thammajaruk, Stephen Kerr, Rena Janamnuaysook, Siriporn Nonenoy, Piranun Hongchookiat, Rapee Trichavaroj, Yardpirono Tawon, Jakkrapatara Boonruang, Nipat Teeratakulpisan, Tim R. Cresssey, Peter L. Anderson, Nittaya Phanuphak, for the iMACT Study Team

---

**1146**

Potential Drug Interactions From Hormone Therapy Toward F/TAF-Based PrEP in Trans Men: iMACT Study

Akarin Hiransuthikul, Narkjakorn Thammajaruk, Stephen Kerr, Rena Janamnuaysook, Siriporn Nonenoy, Piranun Hongchookiat, Rapee Trichavaroj, Yardpirono Tawon, Jakkrapatara Boonruang, Nipat Teeratakulpisan, Tim R. Cresssey, Peter L. Anderson, Nittaya Phanuphak, for the iMACT Study Team

---

**1147**

One-Year Declines in Bone Mineral Density Among Young Women in Uganda Using TDF-Based PrEP and DMPA

Renee Heffron, Timothy Muwonge, Katherine K. Thomas, Kidist Zewdie, Timothy Ssebuliba, Gabrielle Stein, Susan Morrison, Josephine Badaru, Agnes Nakyamzi, Felix Bamba, Kenneth K. Mugwanya, Christina Wyatt, Michael T. Yin, Flavia Kiweewa Matovu, Andrew Mujugira

---

**Poster Session-T1**

**A Deep Dive Into DoxyPEP Implementation**

2:30 PM - 4:00 PM - Poster Hall C-D

---

**1148**

Objective Assessment of Doxycycline PEP Use Among Cisgender Women in Kenya

Jenell Stewart, Kevin Oware, Deborah Donnell, Lauren R. Violette, Josephine Odoyo, Victor Omollo, Felix Mogaka, Matthew A. Spinelli, Hideaki Okochi, Monica Gandhi, Elizabeth Bukusi, Jared Baeten, for dPEP Kenya Study Team

---
1149 **Doxycycline Postexposure Prophylaxis to Prevent *Trichomonas vaginalis* Among Cisgender Women**
*Fredericka Albertina Sesay, Kevin Oaware, Lauren R. Violette, Deborah Donnell, Josephine Odoyo, Victor Omollo, Felix Mogaka, R. Scott McClelland, Jennifer E. Balkus, Elizabeth Bukusi, Jared Baeten, Jenell Stewart,* for dPEP Kenya Study Team

1150 **Bacterial STI Trends Associated With the October 2022 Doxy-Prophylaxis Recommendation, San Francisco**
*Andy Liu, Jiayuan Hao, Trevor A. Pickering, Jeffrey D. Klausner*

1151 **Doxy-PEP Effectiveness in Men Who Have Sex With Men (MSM) and Transgender Women (TGW) on HIV PrEP**
*Oliver Bacon, Robert P. Kohn, David V. Glidden, Madeline Sankaran, Montica Levy, Trang Q. Nguyen, Stephanie E. Cohen*

1152 **Early Adopters: Implementation of Doxycycline Postexposure Prophylaxis in a Boston Health Center**
*Kenneth H. Mayer, Michael Traeger, Sy Gitin, Jessica Kraft, Taimur Khan*

1153 **National Survey on the Use of Antibiotics as Sexually Transmitted Infection Prophylaxis in the US**
*Michael W. Traeger, Douglas S. Krakower, Kenneth H. Mayer, Samuel M. Jenness, Julia L. Marcus*

1154 **Impact of Doxycycline as STI PEP on the Gut Microbiome and Antimicrobial Resistance Gene Expression**

**WITHDRAWN**

**Prevalence of Syphilis and HIV/Syphilis Coinfection in an Inner-City Emergency Department**
*Joanne Hunt, Oliver Laeyendecker, Bhakti Hansoti, Reinaldo Fernandez, Richard E. Rothman, Thomas C. Quinn, Yu-Hsiang Hsieh*

**Jarisch-Herxheimer Reaction in Patients With Syphilis With or Without Prior Antibiotic Prophylaxis**
*Samuel Lazzarin, Andrea Poloni, Giorgia Carrozzi, Giacomo Pozza, Chiara Fusetti, Francesco Caruso, Serena Reato, Maddalena Matone, Andrea Giacomelli, Maria Vittoria Cosso, Andrea Gori, Giuliano Rizzardini, Spinozzo Antonini, Davide Moschese*

**Increasing Syphilis Prevalence Among MSM Across India Despite Improvements in the HIV Care Continuum**
*Matthew M. Hamill, Mihili P. Gunaratne, Allison M. McFall, Hussain Syed Iqbal, Canjeevaram K. Vasudevan, Santhanam Anand, Sunil Suhas Solomon, Shruti H. Mehta, Aylur K. Srikrishnan, David D. Celentano, Gregory M. Lucas*
Alex de Voux, Wellington Maruma, Mabore Morifi, Modiehi Maduma, Joy Ebonwu, Sithembile Dlamini Nqeteko, Landon Myer, Tendesayi Kufa

1160 Routine Emergency Department Screening Increases Syphilis Diagnosis Among Pregnant Patients
Kimberly A. Stanford, Eleanor Friedman, Joseph Mason, Aniruddha Hazra, John Schneider

1161 Syphilis Screening and Incident Infection Rates in HIV Treatment and HIV PrEP Programs in BC, Canada
Junine Toy, Paul Sereda, Raquel M. Espinoza, Erin Ready, Viviane Dias Lima, Kate Salters, Peter Phillips, Rolando Barrios, Julio Montaner

1162 Altered Cellular Immune Response in the Context of Syphilis and Acute HIV Coinfection
Jasper Mundt, Lennart Nicksch, Carola Horn, Ute Sandaradura de Silva, Isabelle Suarez, Max Augustin, Clara Lehmann

1235 Implementing Long-Acting ART in a Community Health Center: Insights and Early Outcomes
David Fessler, Erin Kelley, Rachel Mclaughlin, Erin Loubier, Robert Bangert, Tasliym Adams, Amanda Fuchs, Lexi Alves, Jessica Estrada, Jonathon Rendina, Sarah Henn

1236 Injectable Cabotegravir/Rilpivirine Reach and Effectiveness in a South Side Chicago HIV Clinic
Geoffroy Liegeon, Chris Kaperak, Eleanor Friedman, Alicia Dawdani, Paul Djuricich, Kane Stafford, Jessica Schmitt, Aniruddha Hazra, Katerina Christopoulos, John Schneider, Moira McNulty

1237 Associations Between Interest in Oral vs Long-Acting Injectable ART Among US Women With HIV
Morgan M. Philbin, Tara Mcrconn, Lauren F. Collins, Marqaret Pereyra, Corbin Platamone, Anandi N. Sheth, Mardge H. Cohen, Tracey Wilson, Catalina Ramirez, David B. Hanna, Stephen J. Gange, Aadia Rana, Bani Tamraz, Lakshmi Goparaju, Maria L. Alcaide

1238 Uptake of Long-Acting Injectable Antiretroviral Therapy in Florida: An Assessment of EHR Data
Yiyang Liu, Rebecca Fisk-Hoffman, Maitri Patel, Robert Cook, Mattia Prosperi

1239 Interest in Long-Acting Injectable PrEP Among Transgender Women in the United States
Erin E. Cooney, Sari Reisner, Tonia C. Poteat, Keri N. Althoff, Asa Radix, Meg Stevenson, Andrew J. Wawrzeniak, Christopher Cannon, Jason S. Schneider, Kenneth H. Mayer, Chris Beyrer, Carolyn Brown, Vani Vannappagari, Annemiek de Ruiter, Andrea Wirtz
1240 Healthcare Staff Acceptability and Feasibility of Telehealth Delivery of Cabotegravir for PrEP
Albert Liu, Alvin Kingcade, Tojin Nwafor, Bo Li, Neelima Jain, Stephen Maher, Ray Hsieh, Alison Gaudion, Riya Moodley, Deanna Merrill, Lisa Petty, Piotr Budnik, Jean Van Wyk, Maggie Czarnogorski, Nanlesta Pilgrim

1241 Late-Breaking New Investigator Scholarship
Insuaruddha Hazra, John Schneider, Megan Murray, Jean Williams, Drew Halbur, Catherine Creticos

1242 Rapid Long-Acting Injectable PrEP Implementation in a Vulnerable Urban Safety Net Clinic Population
Ezra Bisom-Rapp, Christina Camp, Jon Oskarson, Mary Shiel, Matthew A. Spinelli, Francis Mayorga-Munoz, Anthonia Chimezie, Monica Gandhi, Sarah Puryear

1243 High Acceptability of Long-Acting Injectable PrEP and ART Among MSM and PWID in India
Allison M. McFall, Talia A. Loeb, Jibam J. Baishya, Ashwini Kedar, Archit Sinha, Aylur K Skrikrishnan, Sunil Suhas Solomon, Gregory M. Lucas, Shrut H. Mehta

1244 Gender Affirmation and Incentives for Long-Acting PrEP: Stated Preferences of Transgender Adults
Marta Wilson-Barthes, Arjee Restar, Emerson Dusic, Don Operario, Timothy Souza, Omar Galarraga

1245 Access to Long-Acting Injectable ART Through State AIDS Drug Assistance Programs
Lauren C. Zalla, Tim Horn, Catherine Lesko

1246 Effect of Changes in Script Renewal Period on HIV Viral Non-Suppression Among Insured South Africans
Gabriela E. Patten, Mary-Ann Davies, Gary Maartens, Naomi Folb, Andreas Haas

1247 High Viral Load Suppression Rates Among People Living With HIV Receiving Multi-Month Dispensing
Andrew Mugisa, Christopher Bwanika, Josephine Nakakand, Jane Nakwesie, Peter Amutungire

1248 HIV Care Retention in 3 Multi-Month ART Dispensing: A Retrospective Cohort Study in Mozambique
Anna Saura-Lázaro, Orvalho Augusto, Sheila Fernández-Luis, Elisa López-Varela, Laura Fuente-Soro, Dulce C. Bila, Milagre Tovela, Nello Macuacua, Paula Vaz, Aleny Couto, Carmen Bruno, Denise Naniche

1249 Using Best-Worst Scaling Experiments to Identify Profiles of Client & Provider Preferences in Zambia
Njekwa Mukamba, Musunge Mulabe, Marksman Foloko, Noelle Le Tourneau, Kombatende Sikombe, Sandra Simbeza, Anjali Sharma, Laura K. Beres, Jake M. Pry, Carolyn Bolton, Elvin H. Geng, Izukanji Sikazwe, Aaloke Mody
1250 Automated Condom Distribution for HIV Prevention: Mwanza, Tanzania, 2021-2023
Aafke Kinemo, Julie Franks, Emmanuel Mihayo, Macdonald Mahiti, Joyce Thomas, Oresto Munishi, Omari Msumi, John Kahemele, Kokuhumbya Kazaura, Nyagonde Nyagonde, Mbaraka Amuri, Haruka Maruyama

1251 Cost-Effectiveness of an Agricultural Intervention Among Adults With HIV and Their Children in Kenya
Assurah W. Wlely, Elly Weke, Pauline Wekesa, Rachel Burger, Lila Sheira, Mocello Adrienne, Edward Frongillo, Lisa Butler, Sheri Weiser, Craig Cohen, Jim Kahn, Elizabeth Bukusi, Starley Shade

1252 Integrated HIV+NCD Care in Community Microfinance Groups: Harambee Cluster Randomized Trial Results
Becky Genberg, Jon Steingrimsson, Juddy Wachira, Catherine Kafu, Marta Wilson-Barthes, Sonak Pastakia, Dan N. Tran, Jamil A. Said, Rajesh Vedanthan, Suzanne Goodrich, Paula Braithstein, Youjin Lee, Joseph Hogan, Omar Galarraga

1253 Persistence on Contraception and PrEP in Hair Salons in South Africa
Ingrid V. Bassett, Joyce Yan, Sabina Govere, Shamble Shezi, Lungile M. Ngcobo, Shruti Sagar, Jana Jarolimova, Dani Zionts, Christina Psaros, Nduduzo Dube, Robert A. Parker

1254 Persistence in Care After PrEP Initiation Through a Community-Based Mobile Clinic
Susanne Doblecki-Lewis, Ariana L. Johnson, Katherine King, Katherine Klose, Gilianne Narcisse, Mario Stevenson

1255 Availability of Onsite Substance Use Disorder Services in HIV Facilities by Urbanicity in the US
Kashif Iqbal, Preetam A. Cholli, Yunfeng Tie, Stacy Crim, Jesse G. O’Shea, John Weiser, Sharoda Dasgupta
Poster Sessions by Category

All poster sessions will be held from 2:30 PM to 4:00 PM on the scheduled day (listed in parenthesis below). Posters should be displayed for the duration of the conference and are located in the Exhibit Hall.

A. Virology of HIV, SARS-CoV-2, or Mpox Virus
P-A1  Virus Variation and Evasion of Antivirals and Restriction Factors (Tuesday)
P-A2  Virus Replication in Host and Nonhuman Models (Wednesday)

B. Pathogenesis of HIV, SARS-CoV-2, or Mpox Virus: Human Studies and Animal Models
P-B1  Correlates of HIV Transmission and Control (Monday)
P-B2  HIV Immunopathogenesis (Monday)
P-B3  HIV and the Gut Microbiome (Tuesday)
P-B4  SARS-CoV-2 Pathogenesis (Tuesday)
P-B5  Persistent Immune Activation and Inflammation During Antiretroviral Therapy (Tuesday)
P-B6  Correlates of HIV Infection Outcome (Wednesday)
P-B7  Animal Models of Viral Pathogenesis (Wednesday)

C. Host Immune Responses, Vaccines, and Immunotherapies: HIV, SARS-CoV-2, or Mpox Virus
P-C1  HIV Neutralizing Antibodies (Monday)
P-C2  HIV Vaccines (Monday)
P-C3  COVID-19 Vaccines (Monday)
P-C4  Immunity to SARS-CoV-2 Infection (Tuesday)
P-C5  HIV Immunotherapy and Immunoprophylaxis (Tuesday)
P-C6  Mvox Immunity, Therapy, and Transmission (Tuesday)
P-C7  Mucosal Immunity to HIV (Wednesday)
P-C8  NK and T-Cell Responses to HIV (Wednesday)
P-C9  Inflammation and Innate Immunity to HIV/SIV (Wednesday)

D. HIV Reservoirs, Latency, and Curative Strategies Including Therapeutic Vaccines and Gene Therapy
P-D1  Integration Sites and Proviral Landscape in the Reservoir (Tuesday)
P-D2  Transcription in the HIV Reservoir (Tuesday)
P-D3  HIV Latency and Latency Reversal (Tuesday)
P-D4  Viral Rebound (Monday)
P-D5  HIV Reservoirs in Cells and Tissues (Monday)
P-D6  Immune Pressure on HIV Reservoirs (Monday)
P-D7  Correlates of HIV Reservoir Size (Wednesday)
P-D8  Strategies for an HIV Cure (Wednesday)
P-D9  Novel HIV Cure Strategies (Wednesday)

E. Neuropathogenesis and Neurologic Complications of HIV and SARS-CoV-2 Infection and Neurologic Complications of HIV in Adults
P-E1  Systemic Factors in NeuroHIV (Monday)
P-E2  Antiretroviral Therapy Effects in NeuroHIV (Monday)
P-E3  Pathogenesis of Central Nervous System Post-Acute Sequelae of COVID-19 (Monday)
P-E4  Vascular Pathogenesis of NeuroHIV and NeuroCOVID-19 (Tuesday)
P-E5  NeuroHIV in Global Settings (Tuesday)
<table>
<thead>
<tr>
<th>Category</th>
<th>Poster Sessions</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>E. Neuropathogenesis and Neurologic Complications of HIV and SARS-CoV-2 Infection and Neurologic Complications of HIV in Adults</strong></td>
<td></td>
</tr>
<tr>
<td>P-E6</td>
<td>Cerebrospinal Fluid, Blood Biomarkers, and Neurodegeneration in NeuroHIV (Tuesday)</td>
</tr>
<tr>
<td>P-E7</td>
<td>Neuroimaging in HIV (Wednesday)</td>
</tr>
<tr>
<td>P-E8</td>
<td>Omics Studies in NeuroHIV (Wednesday)</td>
</tr>
<tr>
<td>P-E9</td>
<td>Aging and NeuroHIV (Wednesday)</td>
</tr>
<tr>
<td><strong>F. Clinical Pharmacology in Adults</strong></td>
<td></td>
</tr>
<tr>
<td>P-F1</td>
<td>Understanding Drug-Drug Interactions and Sanctuary Site Pharmacology (Monday)</td>
</tr>
<tr>
<td>P-F2</td>
<td>Important Antiretroviral Adherence and Pharmacokinetic Measures (Tuesday)</td>
</tr>
<tr>
<td>P-F3</td>
<td>Long-Acting Injectables, Broadly Neutralizing Antibodies, and New Drugs, Oh My! (Wednesday)</td>
</tr>
<tr>
<td><strong>G. Antiviral Therapy: Pre-Clinical Data, Randomized Trials, Efficacy, and Effectiveness Studies in HIV or SARS-CoV-2 or Mpox Virus in Adults</strong></td>
<td></td>
</tr>
<tr>
<td>P-G1</td>
<td>Treatment With Currently Available Long-Acting Antiretroviral Therapy (Monday)</td>
</tr>
<tr>
<td>P-G2</td>
<td>Novel Antiretrovirals Development: More Than You Think! (Wednesday)</td>
</tr>
<tr>
<td>P-G3</td>
<td>Should I Stay or Should I Go: Switching Oral Antiretroviral Therapy (Tuesday)</td>
</tr>
<tr>
<td>P-G4</td>
<td>Rollout of Integrase Strand Transfer Inhibitors in Low- and Middle-Income Countries (Monday)</td>
</tr>
<tr>
<td>P-G5</td>
<td>New Formulations of Current Integrase Strand Transfer Inhibitors: Length Matters (Wednesday)</td>
</tr>
<tr>
<td>P-G6</td>
<td>Treatment and Prevention of SARS-CoV-2 Infection (Tuesday)</td>
</tr>
<tr>
<td><strong>H. Resistance of HIV or SARS-CoV-2 to Small Molecules and Antibodies in Adults</strong></td>
<td></td>
</tr>
<tr>
<td>P-H1</td>
<td>Dolutegravir Treatment and Resistance in Resource-Limited Settings (Wednesday)</td>
</tr>
<tr>
<td>P-H2</td>
<td>Resistance to Specific Drugs: Lenacapavir, Tecovirimat, and Dolutegravir (Monday)</td>
</tr>
<tr>
<td>P-H3</td>
<td>Broadly Neutralizing Antibodies and Resistance (Tuesday)</td>
</tr>
<tr>
<td>P-H4</td>
<td>Archived Mutations and Sustained Suppression (Wednesday)</td>
</tr>
<tr>
<td><strong>I. Hepatitis Viruses and Liver Complications in Adults</strong></td>
<td></td>
</tr>
<tr>
<td>P-I1</td>
<td>Elimination of Hepatitis C (Monday)</td>
</tr>
<tr>
<td>P-I2</td>
<td>Life After HCV Sustained Virologic Response (Monday)</td>
</tr>
<tr>
<td>P-I3</td>
<td>HBV and HDV: Epidemiology, Natural History, and Pathogenesis (Tuesday)</td>
</tr>
<tr>
<td>P-I4</td>
<td>HBV and HDV Treatment and Cure (Tuesday)</td>
</tr>
<tr>
<td>P-I5</td>
<td>HIV and Steatotic Liver Disease (Wednesday)</td>
</tr>
<tr>
<td><strong>J. HIV-Related Malignancies and Tumor Viruses</strong></td>
<td></td>
</tr>
<tr>
<td>P-J1</td>
<td>Cancer Pathogenesis and Natural History: Kaposi Sarcoma and General (Monday)</td>
</tr>
<tr>
<td>P-J2</td>
<td>HIV-Associated Malignancies: Epidemiology, Incidence, and Demographics (Wednesday)</td>
</tr>
<tr>
<td>P-J3</td>
<td>Anal and Cervical Cancer: Pathogenesis, Screening, and Treatment (Tuesday)</td>
</tr>
<tr>
<td>P-J4</td>
<td>Other Cancers Complicating HIV Infection (Monday)</td>
</tr>
<tr>
<td><strong>K. Cardiovascular Complications of HIV Infection and Antiretroviral Therapy</strong></td>
<td></td>
</tr>
<tr>
<td>P-K1</td>
<td>Cardiovascular Disease Biomarkers (Monday)</td>
</tr>
</tbody>
</table>
Poster Sessions by Category

L. Other Complications of HIV Infection and Antiretroviral Therapy in Adults
P-L1 GLP-1 Receptor Agonists for Weight Loss in HIV (Monday)
P-L2 Metabolic Outcomes (Wednesday)
P-L3 Weight Gain and Metabolism (Monday)
P-L4 Antiretroviral Therapy: Immunologic Effects (Tuesday)
P-L5 Sex Differences in Comorbidities and Inflammation (Tuesday)
P-L6 Pulmonary Outcomes (Monday)
P-L7 Renal Outcomes (Tuesday)
P-L8 Mental Health Outcomes (Wednesday)
P-L9 Aging and Frailty (Wednesday)

M. Clinical Manifestations and Outcomes of SARS-CoV-2, Including Long COVID, and Mpox Infections
P-M1 Post-Acute COVID-19 Syndrome: Predictors, Associations, and Clinical Manifestations (Monday)
P-M2 Factors Affecting Outcome of Acute COVID-19 (Tuesday)

N. Tuberculosis and Other Opportunistic Infections, Including the Impact of HIV or SARS-CoV-2 in Adults
P-N1 Pharmacologic and Other Programmatic Insights in Tuberculosis and Cryptococcal Meningitis (Monday)
P-N2 Issues in Tuberculosis Preventive Therapy (Monday)
P-N3 Immunologic Risk and Immune Activation in Tuberculosis and Other Opportunistic Infections (Monday)
P-N4 Mortality Risk in Cryptococcal Meningitis and Other Invasive Mycoses (Tuesday)
P-N5 Diagnostic Testing and Novel Biomarkers for Invasive Mycoses and Tuberculosis (Wednesday)

O. Maternal and Fetal HIV, SARS-CoV-2, and Mpox Virus
P-O1 Preventing HIV in Pregnancy and Breastfeeding (Wednesday)
P-O2 Improving Maternal Outcomes on Antiretroviral Therapy (Wednesday)
P-O3 Chronic Diseases, Pregnancy, and HIV (Tuesday)
P-O4 Maternal Mental Health and HIV (Monday)
P-O5 Understanding Breastmilk, HIV, and Antiretrovirals (Monday)
P-O6 HIV and Birth Outcomes (Tuesday)

P. Childhood and Adolescent HIV, SARS-CoV-2, or Mpox Virus
P-P1 Health and Outcomes of Children Exposed to Antiretrovirals in Utero (Tuesday)
P-P2 Pharmacokinetics, Dosing, and Safety of Antiretrovirals for Infants, Children, and Adolescents (Tuesday)
P-P3 Exploring the Pediatric Reservoir (Monday)
P-P4 Infants With HIV Infection: Diagnosis, Mortality, Morbidity, and Treatment Response (Tuesday)
P-P5 Comorbidities and Complications in Children and Adolescents with HIV Infection (Wednesday)
P-P6 Pediatric Antiretroviral Therapy Optimization: Dolutegravir in Action (Tuesday)
P-P7 Intervention to Improve Testing and Care for Children and Adolescents (Wednesday)
Q. Epidemiology of HIV, COVID-19, and Mpox
P-Q1 Hazards Ahead: The Intersection of HIV and Substance Use (Monday)
P-Q2 HIV Transmission Among People Who Use Drugs (Monday)
P-Q3 HIV Disparities and Social Determinants of Health (Tuesday)
P-Q4 HIV Incidence, Prevalence, and Risk Factors (Tuesday)
P-Q5 HIV Viremia and Viral Rebound (Tuesday)
P-Q6 The HIV Care Cascade and Advanced HIV Disease (Wednesday)
P-Q7 Mental Health, Morbidity, and Mortality among People Living with HIV (Wednesday)
P-Q8 Insights from HIV Molecular Epidemiology (Wednesday)
P-Q9 COVID-19 Epidemiology and Impact on HIV Outcomes (Wednesday)

P-R1 HIV, SARS-CoV-2, and Mpox Testing (Wednesday)
P-R2 Partner Network Testing (Monday)
P-R3 Self-Testing, Adherence, and Drug Resistance Monitoring (Tuesday)
P-R4 Optimizing PrEP and Treatment (Tuesday)

S. Prevention of HIV, COVID-19, and Mpox in Adults
P-S1 Long-Acting Injectable PrEP: Implementation and Clinical Insights (Monday)
P-S2 Biomarkers and Other Assessments of PrEP Adherence (Tuesday)
P-S3 PrEP Implementation Around the World: Successes, Challenges, and Disparities (Tuesday)
P-S4 Nonoccupational Postexposure Prophylaxis: Everything Old is New Again: How, Who, Do’s, and Don’ts (Monday)
P-S5 PrEP: Novel Products, Strategies, and Delivery Systems (Tuesday)
P-S6 Differentiated Service Delivery Models for PrEP and TasP (Wednesday)
P-S7 PrEP Drug-Drug Interactions and Complications (Wednesday)

T. Contraception, Sexually Transmitted Infections, and Reproductive Health in Adults
P-T1 A Deep Dive Into DoxyPEP Implementation (Wednesday)
P-T2 The Problem of the Persistent Pox: Global Syphilis Epidemiology (Wednesday)
P-T3 Sexually Transmitted Infections in Women: Global Perspectives (Monday)
P-T4 Sexually Transmitted Infections in Key Populations (Monday)
P-T5 New Directions in Sexual and Reproductive Health and HIV Prevention (Tuesday)

U. Implementation and Scale-Up of Prevention and Treatment for HIV, and Impact of COVID-19 and Mpox on HIV-Related Programs
P-U01 HIV Care (Monday)
P-U02 PrEP, PEP, and Voluntary Medical Male Circumcision (Monday)
P-U03 Viral Load Suppression (Tuesday)
P-U04 COVID-19 Prevention (Tuesday)
P-U05 Key and Vulnerable Populations (Tuesday)
P-U06 Behavioral Predictors and Interventions (Tuesday)
P-U07 Cost and Cost-Effectiveness (Tuesday)
P-U08 Long-Acting Antiretroviral Therapy and PrEP (Wednesday)
P-U09 Differentiated Service Delivery (Wednesday)
P-U10 Novel Interventions (Wednesday)
INDEX OF PRESENTERS

The following index lists presenting authors as of January 31, 2024. Changes to presenting authors after that date are not reflected. A complete list of all abstract authors can be found in the Abstract eBook on the CROI website.

-A-
Abdi, Basma 683
Abelman, Rebecca 155, 821
Abrams, Elaine J. 182, 979
Abuogi, I. Lisa 991
Abuditze, Akaki 720
Adams, Phillip 497
Agot, Kawango 1120
Agraval, Parul 381
Ahonkhai, Aima A. 1195
Akiso, Matrona M. 317
Akiyama, Matthew 1011
Al Burtamani, Nawal K. S. 477
Aldred, Bruce 419
Aldredge, Amalia 822
Alles, Mario J. 969
Alrubayyi, Aljawharah 439
Althoff, Keri N. 1073
Amakulie, Patrick E. 1219
Amorim, Gustavo 869
Anderson, David 814
Anderson, Kim 961
Anderson, Mark C. 1089
Antar, Annukka A. R. 137
Apedaile, Dorothy 1126
Appa, Ayesha 997, 998
Arca-Lafuente, Sonia 712, 723
Arhel, Nathalie J. 303
Arikiatla, Mohith 301
Arthanayagam, Shaun L. 408
Arvind, Ashok 508
Arroyo, Ana 367
Arzoumanian, Nerijus 367
Asante-Appiah, Ernest 694
Atieh, Ornina 865
Atkins, Kaitlyn 1005, 1119
Augello, Matteo 388
Augustin, Max 1162
Avedissian, Sean 1162
Avelino-Silva, Vivian I. 1104
Averhes, Anke 9, 732
Ayieko, James 1135
Azzoni, Livio 393, 1106
-B-
Bachmann, Niklas 414
Bacon, Oliver 1151
Bailin, Samuel 802
Balina, Queen M. 923
Bamouni, Sophie 1141
Bamrothy, Manish 1056
Bana, Nicholas Brian 1130
Bang, Assist 958
Bar, Katharine J. 179
Barbehenn, Anael 508
Barnabas, Shaun L. 408
Barrios-Tascon, Ana 963
Barry, Michael P. 999
Bassett, Ingrid V. 1253
Basting, Christopher 331
Bauerman, Jeffrey 1006
Beck-Frisil, Josephine 866
Begre, Lorin 733, 734
Behar, Anna M. 191
Bekka, Soumia 954
Bekker, Adrie 942
Belinky, Frida 367
Bell, Brian S. 1067
Bello, George 187
Benhabbour, S. Rahima 1137
Benlarbi, Mehdi 144, 146
Bercot, Beatrice 36
Berenguer, Juan 398, 717
Biermejo Jambrina, Marta 340
Bertaud, Vladimir 576
Bettonte, Sara 616
Bevers, Lisanne 946
Bhattarai, Shaurav 575
Bidasee, Keshore 796
Bikinesi, Leonard T. 652, 1198
Billlock, Rachel 1065
Biraro, Samuel 1206
Blauu, Marc 770
Bland, Hannah 1088
Blomme, Evy E. 646
Boffito, Marta 785
Boden, Mikaley 587
Bozic, Valentin 564, 590
Booms, Margot 347
Bongomin, Pido 1036
Bonner, Courtney P. 1221
Bor, Jacob 1200
Borges, Alvaro 210
Bornstein, Sydney 1008
Boudries, Malikia A. 483
Boulfare, David 888
Boyd, F. Katherine 893
Bradford, Layla E. 937
Branas, Fatima 838
Bravo, Enrico 147
Brew, Bruce J. 584
Brizzi, Andrea 195
Brooks, Kelsey 342
Brouillet, Marie-Josée 597
Brown, Jennifer A. 185
Browne, Sara 614
Buchacz, Kate 786
Bunge, Katherine E. 674
Burchell, Ann N. 860
Burgener, Adam 433
Butt, Adeel A. 132, 559
Buwakura-Dangarembizi, Msuwashe 21
-C-
Caballero, Ramon Edwin 307
Cachay, Edward 759
Cafardi, John 709
Calvez, Vincent 684
Cameron, Mark 778
Camlin, Carol S. 1223
Cannon, Chase 35
Capoferi, Adam A. 313
Cardinha, Sylvain 382
Caro-Vega, Yanik 1057
Carpino, Thomas 1169
Carrere, Leah 486
Carson, Joanne 699
Carstens, Russ P. 115
Casadei, Maria 819
Cassidy, Adam R. 938
Castillejo, Adam 1
Castle, Alison C. 1122
Chaballier, Eugenio Nelson 760
Ceriani, Cristina 365
Chabata, Sungai 1027
Chafino, Silvia 972
Chaisson, Leila H. 878
Chan, Phillip 588

Index of Presenters
<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chandasana, Hardik</td>
<td>944, 945</td>
</tr>
<tr>
<td>Chandiwanwa, Nomathemba</td>
<td>810</td>
</tr>
<tr>
<td>Chandra, Christina</td>
<td>1190</td>
</tr>
<tr>
<td>Chapin-Bardales, Johanna</td>
<td>709</td>
</tr>
<tr>
<td>Chappell, Catherine A.</td>
<td>710, 711</td>
</tr>
<tr>
<td>Charpentier, Charlotte</td>
<td>761, 987</td>
</tr>
<tr>
<td>Chee, Grace M.</td>
<td>726</td>
</tr>
<tr>
<td>Chen, Guan-Jhou</td>
<td>701, 713</td>
</tr>
<tr>
<td>Cheo, Kara W.</td>
<td>669</td>
</tr>
<tr>
<td>Chi, Benjamin H.</td>
<td>931</td>
</tr>
<tr>
<td>Choko, Augustine</td>
<td>1007</td>
</tr>
<tr>
<td>Chow, Felicia C.</td>
<td>565</td>
</tr>
<tr>
<td>Chow, Victoria T.</td>
<td>1154</td>
</tr>
<tr>
<td>Chunamchai, Sedthapong</td>
<td>976</td>
</tr>
<tr>
<td>Churchill, Melissa J.</td>
<td>113</td>
</tr>
<tr>
<td>Cingolani, Antonella</td>
<td>670</td>
</tr>
<tr>
<td>Citron, Daniel T.</td>
<td>1049</td>
</tr>
<tr>
<td>Claassen, Cassidy W.</td>
<td>1127, 1143, 1184, 1217</td>
</tr>
<tr>
<td>Clark, Iain C.</td>
<td>5</td>
</tr>
<tr>
<td>Clement, Meredith</td>
<td>131</td>
</tr>
<tr>
<td>Clipman, Steven J.</td>
<td>1012</td>
</tr>
<tr>
<td>Cockbain, Beatrice</td>
<td>703</td>
</tr>
<tr>
<td>Coetzee, Nicola</td>
<td>1099</td>
</tr>
<tr>
<td>Cohen, Stephanie E.</td>
<td>37</td>
</tr>
<tr>
<td>Coiras, Mayte</td>
<td>440</td>
</tr>
<tr>
<td>Colby, Donna J.</td>
<td>703</td>
</tr>
<tr>
<td>Collarderyc, Nived</td>
<td>334</td>
</tr>
<tr>
<td>Collins, Morgan F.</td>
<td>912</td>
</tr>
<tr>
<td>Collins, Natalie</td>
<td>673</td>
</tr>
<tr>
<td>Colson, Amy</td>
<td>208</td>
</tr>
<tr>
<td>Connick, Elizabeth</td>
<td>1</td>
</tr>
<tr>
<td>Conway, Brian</td>
<td>700</td>
</tr>
<tr>
<td>Cooley, Sarah</td>
<td>581, 583, 589</td>
</tr>
<tr>
<td>Cooney, Erin E.</td>
<td>1239</td>
</tr>
<tr>
<td>Corley, Michael J.</td>
<td>469, 593</td>
</tr>
<tr>
<td>Correa-Gomez, Anaís</td>
<td>715</td>
</tr>
<tr>
<td>Cossarini, Francesca</td>
<td>325</td>
</tr>
<tr>
<td>Coutinho, Carolina</td>
<td>1021</td>
</tr>
<tr>
<td>Covington, Nia</td>
<td>606</td>
</tr>
<tr>
<td>Coyle, Ryan P.</td>
<td>609</td>
</tr>
<tr>
<td>Crabtree-Ramirez, Brenda</td>
<td>649</td>
</tr>
<tr>
<td>Crain, Charles R.</td>
<td>447</td>
</tr>
<tr>
<td>Cressley, Tim R.</td>
<td>941</td>
</tr>
<tr>
<td>Crompton, Gabriela Z.L.</td>
<td>175</td>
</tr>
<tr>
<td>Crowell, Trevor A.</td>
<td>470, 516</td>
</tr>
<tr>
<td>Cusimano, Gina</td>
<td>378</td>
</tr>
<tr>
<td>Cytork, Joshua C.</td>
<td>514</td>
</tr>
<tr>
<td>Falcinelli, Shane D.</td>
<td>525</td>
</tr>
<tr>
<td>Fardanian, Shelli</td>
<td>114, 562</td>
</tr>
<tr>
<td>Feng, Xinyi</td>
<td>1026</td>
</tr>
<tr>
<td>Ferrara, Milco</td>
<td>608</td>
</tr>
<tr>
<td>Fessler, David</td>
<td>1235</td>
</tr>
<tr>
<td>Fichtenbaum, Carl J.</td>
<td>116</td>
</tr>
<tr>
<td>Fink, Valeria L.</td>
<td>756</td>
</tr>
<tr>
<td>Finzi, Andrés</td>
<td>44, 537</td>
</tr>
<tr>
<td>Fisayo, Temitope</td>
<td>962</td>
</tr>
<tr>
<td>Fisher, Bridget M.</td>
<td>524</td>
</tr>
<tr>
<td>Fisher, Molly</td>
<td>831</td>
</tr>
<tr>
<td>Fitzgerald, Richard J.</td>
<td>619</td>
</tr>
<tr>
<td>Flores-Piñas, Marina</td>
<td>357</td>
</tr>
<tr>
<td>Foley, Mary</td>
<td>894</td>
</tr>
<tr>
<td>Ford, Susan</td>
<td>617, 950</td>
</tr>
<tr>
<td>Foster, Emma G.</td>
<td>557</td>
</tr>
<tr>
<td>Fouad, Fouad M.</td>
<td>38</td>
</tr>
<tr>
<td>Fracella, Matteo</td>
<td>435</td>
</tr>
<tr>
<td>Fredericks, Megan N.</td>
<td>341</td>
</tr>
<tr>
<td>Freed, Eric O.</td>
<td>27, 685</td>
</tr>
<tr>
<td>Freeman, Michael L.</td>
<td>320</td>
</tr>
<tr>
<td>Freitas, Cassandra</td>
<td>396</td>
</tr>
<tr>
<td>Friedland, Barbara A.</td>
<td>1139</td>
</tr>
<tr>
<td>Fromentin, Remi</td>
<td>474</td>
</tr>
<tr>
<td>Froud, Julie</td>
<td>466</td>
</tr>
<tr>
<td>Fulcher, Jennifer A.</td>
<td>333</td>
</tr>
<tr>
<td>Funderburg, Nicholas</td>
<td>818</td>
</tr>
<tr>
<td>Fuster, Daniel</td>
<td>1003</td>
</tr>
<tr>
<td>Gaitho, Douglas K.</td>
<td>763</td>
</tr>
<tr>
<td>Gallardo-Cartagena, Jorge A.</td>
<td>1220</td>
</tr>
<tr>
<td>Gallego Cortes, Ana</td>
<td>495</td>
</tr>
<tr>
<td>Edmonds, Andrew</td>
<td>1004</td>
</tr>
<tr>
<td>Egger, Matthias</td>
<td>873</td>
</tr>
<tr>
<td>Eichholz, Karsten</td>
<td>533</td>
</tr>
<tr>
<td>El Helo, Remie L.</td>
<td>570</td>
</tr>
<tr>
<td>Elion, Richard A.</td>
<td>815</td>
</tr>
<tr>
<td>Ellis, Jayne P.</td>
<td>887</td>
</tr>
<tr>
<td>Ellis, Ronald J.</td>
<td>552</td>
</tr>
<tr>
<td>Elly, Assurah W.</td>
<td>1251</td>
</tr>
<tr>
<td>Epling, Brian P.</td>
<td>358</td>
</tr>
<tr>
<td>Erlandson, Kristine M.</td>
<td>1523</td>
</tr>
<tr>
<td>Erly, Steven</td>
<td>1213</td>
</tr>
<tr>
<td>Ezeomwumelu, Ifeanyi J.</td>
<td>478</td>
</tr>
<tr>
<td>Eron, Joseph J.</td>
<td>120, 625</td>
</tr>
<tr>
<td>Espinosa Da Silva, Cristina</td>
<td>1002</td>
</tr>
<tr>
<td>Espinosa Miranda, Angelica</td>
<td>25</td>
</tr>
<tr>
<td>Ezeomwumelu, Ifeanyi J.</td>
<td>478</td>
</tr>
<tr>
<td>Edmonds, Andrew</td>
<td>1004</td>
</tr>
<tr>
<td>Egger, Matthias</td>
<td>873</td>
</tr>
<tr>
<td>Eichholz, Karsten</td>
<td>533</td>
</tr>
<tr>
<td>El Helo, Remie L.</td>
<td>570</td>
</tr>
<tr>
<td>Elion, Richard A.</td>
<td>815</td>
</tr>
<tr>
<td>Ellis, Jayne P.</td>
<td>887</td>
</tr>
<tr>
<td>Ellis, Ronald J.</td>
<td>552</td>
</tr>
<tr>
<td>Elly, Assurah W.</td>
<td>1251</td>
</tr>
<tr>
<td>Epling, Brian P.</td>
<td>358</td>
</tr>
<tr>
<td>Erlandson, Kristine M.</td>
<td>1523</td>
</tr>
<tr>
<td>Erly, Steven</td>
<td>1213</td>
</tr>
<tr>
<td>Eron, Joseph J.</td>
<td>120, 625</td>
</tr>
<tr>
<td>Espinosa Da Silva, Cristina</td>
<td>1002</td>
</tr>
<tr>
<td>Espinosa Miranda, Angelica</td>
<td>25</td>
</tr>
</tbody>
</table>
Gandhi, Malini M. 856
Gandhi, Monica 629, 1097, 1113
Gant Sumner, Zanetta 1019
Gao, Hongbo 489
Garcia, Mauro A. 482
Garcia, Vinicius P. 777
García-Ruiz De Morales, Alejandro G. 1081
Garcia-Vidal, Edurne 402
Garrett, Nigel 399
Garziano, Micaela 403
Gauduin, Marie-Claire 383
Gaur, Aditya 188
Gehring, Adam 33
Genberg, Becky 1252
Geng, Elvin H. 11
Gengiah, Tanuja N. 123
Ghanem, Khalil G. 26
Ghosh, Sukanya 413
Gianella Weibel, Sara 354, 490
Giguere, Pierre 429
Gillespie, Gillian 129
Giron, Leila B. 359, 549
Glassey, Annemarie 488
Gluck, Joshua A. 457
Golden, Matthew 1233
Gómez-Ayerbe, Cristinia 1170
González-Navarro, Irene 519
González-Serna, Alejandro 719
Gornalusse, German G. 518
Goswami, Ria 499
Gowda, Bhoomika Suresh 655
Goyal, Ravi 1040
Graham, Barney S. 13
Grande-García, Sergio 718
Green, Emily J. 1080
Griffith, Gina L. 438
Groll, Steven 573, 781, 782, 864
Gu, Shuqin 406, 738
Gugilla, Vijeeth 858
Gunst, Judd F. 1212
Hansen, Derek 304
Hastie, Elizabeth 536
Haukoos, Jason 707
Havens, Josh 604
Hazar, Aniruddha 1241
He, Buwei 1000
Heck, Craig J. 1136
Hedberg, Pontus 863
Heffron, Renee 169, 1147
Heitner, Jesse A. 1166, 1230
Hendricks, Simone L. 1212
Henrich, Timothy J. 105
Hermansen, Cassidy J. 705
Herrera, Alberto 505
Hershov, Rebecca B. 1086
Hesselman, Maria C. 368
Hickey, Matt 150, 628
Hill, Andrew 790, 808, 1033
Hill, Lucas 624
Hills, Caitlin 1051
Hiransuthikul, Akarin 1145, 1146
Hoffman, Risa 183
Hoover, Karen W. 1129
Horberg, Michael A. 844, 845
Houari, Freya U. 404
Howell, Pauline 872
Hoy, Jennifer F. 757
Hu, Ricki K. 623
Hu, Wei-Shau 29
Huaman, Moises A. 883, 884
Huang, Susie S.Y. 542
Huang, Wenting 1123
Huang, Yu-Lin A. 1117
Huber, Amy N. 204
Hughes, Ivy 452
Hultquist, Judd F. 300
Hung, Chien-Ching 729
Hunberger, Sally 12
Hunt, Joanne 1156
Hwang, Y. Joseph 805
Hye, Emily P. 1232
Ianas, Voichita 1155
Imamichi, Hiromi 498
Ingle, Suzanne M. 1058
Inzaule, Seth 199
Iqbal, Kishif 603, 1255
Ivan, Darrell 20
Ishizaka, Aya 332
Islam, Salifur 139
Isnard, Stephane 436
Iyer, Akshay 951
Izquierdo-Pujol, Jon 853
Jacobson, Jana L. 632
Jacobson, Denise L. 910
Jakovin, Evinn 1228
Jalil, Emilia M. 745
Jamal, Muhammad S. 993, 1022
Janssens, Julie 468
Jao, Jennifer 1191
Jaschinski, Nadine 784
Jeena, Lisha 973
Jeffrey, Jerry L. 634
Jeffy, Jeffy 687, 688
Jiang, Xun 448
Johnson, Samuel D. 832
Johnston, Carrie 595
Jonas, Nelson M. 891
Joseph Davey, Dvora L. 207, 899, 900, 901
Joyce, M. Gordon 387
Juelg, Boris D. 121
June, Lavender A. 1196
Justman, Jessica E. 197
Kabami, Jane 920
Kakkar, Fatima 955
Kalayjian, Robert C. 578
Kallanpur, Asha R. 582
Kamel, Ralph 750
Kamy, Moses R. 172
Kancheya, Nzali G. 1192
Kang, Ezer 22
Kantor, Rami 1063
Karthigeyan, Krishika P. 903
Kauppinen, Kai J. 806
Kearney, Brian P. 656
Keene, Claire M. 1199
Kelly, Kristen E. 957
Kennedy, James T. 599
Kerckaert, Katie 1076
Khaitan, Alka 548
Khetan, Priya R. 956
Khoo, Saye 668
Kibuuka, Joseph 1189
Kim, Arthur 696
Kim, Jiae 539
Kim, Sangwon F. 803
Kim, Seungwon 1068
Kim, Younghoon 480
Kincer, Laura P. 112
<table>
<thead>
<tr>
<th>Kinemo, Aafke</th>
<th>1250</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gingwa, Leonard</td>
<td>677</td>
</tr>
<tr>
<td>Kintu, Timothy</td>
<td>930</td>
</tr>
<tr>
<td>Kipkurui, Nicholas</td>
<td>1173</td>
</tr>
<tr>
<td>Kirchhoff, Frank</td>
<td>1</td>
</tr>
<tr>
<td>Kityo, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Kinwara, Leonard</td>
<td>677</td>
</tr>
<tr>
<td>Kityo, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Kow, Sung Hee</td>
<td>145</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Koko, Cissy</td>
<td>9, 122</td>
</tr>
<tr>
<td>Name</td>
<td>Pages</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>----------------</td>
</tr>
<tr>
<td>Moreno, Elena</td>
<td>829</td>
</tr>
<tr>
<td>Morris, Daniel J</td>
<td>103</td>
</tr>
<tr>
<td>Mosrica, Giulia</td>
<td>737</td>
</tr>
<tr>
<td>Moschese, Davide</td>
<td>426</td>
</tr>
<tr>
<td>Mothe, Beatriz</td>
<td>506</td>
</tr>
<tr>
<td>Mounzer, Karam</td>
<td>642, 807</td>
</tr>
<tr>
<td>Mourad, Ahmad</td>
<td>868</td>
</tr>
<tr>
<td>Moreno, Melanie</td>
<td>886</td>
</tr>
<tr>
<td>Mozaffari, Essy</td>
<td>663, 664, 665, 859</td>
</tr>
<tr>
<td>Mtoro, Mtoro</td>
<td>1033</td>
</tr>
<tr>
<td>Mugisa, Andrew</td>
<td>1247</td>
</tr>
<tr>
<td>Mugo, Nelly R.</td>
<td>17</td>
</tr>
<tr>
<td>Muggwanya, Kenneth K</td>
<td>170</td>
</tr>
<tr>
<td>Mugisha, Frank</td>
<td>15</td>
</tr>
<tr>
<td>Murch, A.</td>
<td>198</td>
</tr>
<tr>
<td>Müller, Barbara 3</td>
<td>692</td>
</tr>
<tr>
<td>Myer, Landon</td>
<td>965</td>
</tr>
<tr>
<td>Naicker, Vimal</td>
<td>377</td>
</tr>
<tr>
<td>Naidoo, Anushka</td>
<td>211</td>
</tr>
<tr>
<td>Nakasujja, Noeline</td>
<td>569</td>
</tr>
<tr>
<td>Nakawooya, Hadijja</td>
<td>1197, 1205</td>
</tr>
<tr>
<td>Namulema, Edith</td>
<td>1142</td>
</tr>
<tr>
<td>Narayanasamy, Shanthi</td>
<td>889</td>
</tr>
<tr>
<td>Nayan, Mohammad</td>
<td>654</td>
</tr>
<tr>
<td>Neary, Jillian</td>
<td>975</td>
</tr>
<tr>
<td>Neer, Victoria</td>
<td>952</td>
</tr>
<tr>
<td>Nelson, LaRon</td>
<td>1</td>
</tr>
<tr>
<td>Nelson, Sydney G.</td>
<td>1174</td>
</tr>
<tr>
<td>Nettete, Danielle R.</td>
<td>323</td>
</tr>
<tr>
<td>Ng, Teresa</td>
<td>411</td>
</tr>
<tr>
<td>Ngouafack, Jaggi Semengue</td>
<td>395</td>
</tr>
<tr>
<td>Nguessan, Kombo</td>
<td>316</td>
</tr>
<tr>
<td>Nguyen, Binh</td>
<td>302</td>
</tr>
<tr>
<td>Nguyen, Hao T.</td>
<td>895</td>
</tr>
<tr>
<td>Nguyen, Thu T.M.</td>
<td>892</td>
</tr>
<tr>
<td>Nguyen, Thuy</td>
<td>462</td>
</tr>
<tr>
<td>Nguyen, Tk</td>
<td>925</td>
</tr>
<tr>
<td>Nightingale, Sam</td>
<td>533</td>
</tr>
<tr>
<td>Nik, Alex Durand</td>
<td>651</td>
</tr>
<tr>
<td>Nogueira, Nicholas F.</td>
<td>1164</td>
</tr>
<tr>
<td>Nordin, Jayme M. L.</td>
<td>496</td>
</tr>
<tr>
<td>Novredden, Mazen</td>
<td>8</td>
</tr>
<tr>
<td>Novitsky, Vlad</td>
<td>983</td>
</tr>
<tr>
<td>Ntsekhoe, Mpiko</td>
<td>47</td>
</tr>
<tr>
<td>Nueremberger, Eric</td>
<td>881</td>
</tr>
<tr>
<td>Nuwamanyana, Elly</td>
<td>909</td>
</tr>
<tr>
<td>Nyamari, Celestine K.</td>
<td>1165</td>
</tr>
<tr>
<td>Nyere, Bernard</td>
<td>1222</td>
</tr>
<tr>
<td>Nyirenda-Nyag’wa, Maggie</td>
<td>1084</td>
</tr>
<tr>
<td>Nyombi, Tamara N.</td>
<td>960</td>
</tr>
<tr>
<td>Nyoni, Ntombizodwa M.</td>
<td>1231</td>
</tr>
<tr>
<td>Obeng-Nyarkoh, Peggy-Ita A.</td>
<td>830</td>
</tr>
<tr>
<td>Obosi, Abel C.</td>
<td>566</td>
</tr>
<tr>
<td>Ocampo, Ferron F.</td>
<td>846</td>
</tr>
<tr>
<td>O’Connor, Lauren F.</td>
<td>843</td>
</tr>
<tr>
<td>Oh, Song Young</td>
<td>380</td>
</tr>
<tr>
<td>Okango, Elphas</td>
<td>1023</td>
</tr>
<tr>
<td>Okegbe, Tishia</td>
<td>985</td>
</tr>
<tr>
<td>Okoye, Afam A.</td>
<td>1</td>
</tr>
<tr>
<td>Olanrewaju, Ayokunle</td>
<td>1098</td>
</tr>
<tr>
<td>Oldroyd, Alyssa R.</td>
<td>953</td>
</tr>
<tr>
<td>Olivero, Rosemary M.</td>
<td>933</td>
</tr>
<tr>
<td>Ollerton, Matthew</td>
<td>321</td>
</tr>
<tr>
<td>Olou, Lynda M.</td>
<td>1172</td>
</tr>
<tr>
<td>Ombajo, Loise A.</td>
<td>643</td>
</tr>
<tr>
<td>Omo-Emmanuel, Ughveroghene K.</td>
<td>1082</td>
</tr>
<tr>
<td>Onovo, Amobi A.</td>
<td>989</td>
</tr>
<tr>
<td>Onoya, Dorina</td>
<td>1178, 1201</td>
</tr>
<tr>
<td>Opere, Philip</td>
<td>1208</td>
</tr>
<tr>
<td>Orkin, Chloe M.</td>
<td>620, 621</td>
</tr>
<tr>
<td>Orrell, Catherine</td>
<td>613</td>
</tr>
<tr>
<td>Ortiz, Alexandra</td>
<td>364</td>
</tr>
<tr>
<td>O’Shea, Jesse G.</td>
<td>1181</td>
</tr>
<tr>
<td>Ostrandher, Emily I.</td>
<td>774</td>
</tr>
<tr>
<td>Otte, Fabian</td>
<td>107</td>
</tr>
<tr>
<td>Otten, Twan</td>
<td>783</td>
</tr>
<tr>
<td>Owor, Maxensia</td>
<td>926</td>
</tr>
<tr>
<td>Ozorowski, Gabriel</td>
<td>2</td>
</tr>
<tr>
<td>Padilla, Sergio</td>
<td>767, 867</td>
</tr>
<tr>
<td>Pai, Nitika P.</td>
<td>40</td>
</tr>
<tr>
<td>Pal, Priya</td>
<td>453</td>
</tr>
<tr>
<td>Pal, Virender K.</td>
<td>459</td>
</tr>
<tr>
<td>Palella, Frank</td>
<td>544, 801</td>
</tr>
<tr>
<td>Pandit, Neha S.</td>
<td>1203</td>
</tr>
<tr>
<td>Panfilova, Yana</td>
<td>38</td>
</tr>
<tr>
<td>Panjasawatwong, Navarat</td>
<td>943</td>
</tr>
<tr>
<td>Pantazis, Nikos</td>
<td>804, 1044</td>
</tr>
<tr>
<td>Papasavas, Emmanueloulii</td>
<td>511</td>
</tr>
<tr>
<td>Papathanasaopoulos, Maria A.</td>
<td>493</td>
</tr>
<tr>
<td>Paquin-Proulx, Dominic</td>
<td>360</td>
</tr>
<tr>
<td>Parczewski, Milosz</td>
<td>38, 1069</td>
</tr>
<tr>
<td>Parisi, Christina E.</td>
<td>1043</td>
</tr>
<tr>
<td>Park, Ina</td>
<td>24</td>
</tr>
<tr>
<td>Park, Juwon</td>
<td>346</td>
</tr>
<tr>
<td>Parra-Rodriguez, Luis</td>
<td>554, 787</td>
</tr>
<tr>
<td>Parsons, Matthew S.</td>
<td>412</td>
</tr>
<tr>
<td>Patel, Deeesha</td>
<td>1118</td>
</tr>
<tr>
<td>Patel, Eshan U.</td>
<td>160</td>
</tr>
<tr>
<td>Patel, Monita R.</td>
<td>1204</td>
</tr>
<tr>
<td>Patel, Rena</td>
<td>605</td>
</tr>
<tr>
<td>Patel, Rupa</td>
<td>48</td>
</tr>
<tr>
<td>Pathak, Elizabeth B.</td>
<td>1072</td>
</tr>
<tr>
<td>Paul, Robert</td>
<td>555, 555</td>
</tr>
<tr>
<td>Pazgier, Marzena</td>
<td>526</td>
</tr>
<tr>
<td>Pearson, Rachel A.</td>
<td>882</td>
</tr>
<tr>
<td>Peck, Robert</td>
<td>203</td>
</tr>
<tr>
<td>Peluso, Michael J.</td>
<td>138</td>
</tr>
<tr>
<td>Peralto, Simone</td>
<td>947</td>
</tr>
<tr>
<td>Perea, David</td>
<td>445</td>
</tr>
<tr>
<td>Pérez-Caballero, Raúl</td>
<td>390</td>
</tr>
<tr>
<td>Persaud, Deborah</td>
<td>184</td>
</tr>
<tr>
<td>Pertínez, Henry</td>
<td>615, 880</td>
</tr>
<tr>
<td>Peters, M. Quynn</td>
<td>431</td>
</tr>
<tr>
<td>Petersen, Kalen J.</td>
<td>594</td>
</tr>
<tr>
<td>Peterson, Tess E.</td>
<td>794</td>
</tr>
<tr>
<td>Phiblin, Morgan M.</td>
<td>1237</td>
</tr>
<tr>
<td>Phillips, Abimbola S.</td>
<td>1214</td>
</tr>
<tr>
<td>Pierre, Marie Flore</td>
<td>1224</td>
</tr>
<tr>
<td>Pierre, Samuel</td>
<td>64</td>
</tr>
<tr>
<td>Pincus, Seth H.</td>
<td>541</td>
</tr>
<tr>
<td>Piñeira-Menéndez, Alicia</td>
<td>650</td>
</tr>
<tr>
<td>Pinzone, Marília R.</td>
<td>350</td>
</tr>
<tr>
<td>Piské, Michelle</td>
<td>1180</td>
</tr>
<tr>
<td>Pollack, Todd</td>
<td>702</td>
</tr>
<tr>
<td>Pollock, James</td>
<td>1176</td>
</tr>
<tr>
<td>Pool, Erica R. M.</td>
<td>1111</td>
</tr>
<tr>
<td>Post, Frank A.</td>
<td>828</td>
</tr>
<tr>
<td>Potard, Valérie</td>
<td>1060</td>
</tr>
<tr>
<td>Pozniak, Anton</td>
<td>9</td>
</tr>
<tr>
<td>Prensill Bozota, Caterina</td>
<td>142</td>
</tr>
<tr>
<td>Premazzi Papa, Michelle</td>
<td>384</td>
</tr>
<tr>
<td>Price, Jennifer</td>
<td>6, 158</td>
</tr>
<tr>
<td>Promsena, Pathariya</td>
<td>721</td>
</tr>
<tr>
<td>Purpura, Lawrence</td>
<td>563</td>
</tr>
<tr>
<td>Puryear, Sarah</td>
<td>1242</td>
</tr>
<tr>
<td>Pusnik, Jerme</td>
<td>389</td>
</tr>
<tr>
<td>Qi, Hangfei</td>
<td>374</td>
</tr>
<tr>
<td>Raccagni, Angelo</td>
<td>1171</td>
</tr>
<tr>
<td>Rai, M. A.</td>
<td>690</td>
</tr>
<tr>
<td>Raiford, Jerri L.</td>
<td>1052</td>
</tr>
<tr>
<td>Raku, Sarath</td>
<td>153</td>
</tr>
<tr>
<td>Rakhmanina, N.</td>
<td>948</td>
</tr>
<tr>
<td>Rallón, Norma</td>
<td>318</td>
</tr>
<tr>
<td>Ramakrishnan, Aditi</td>
<td>104</td>
</tr>
<tr>
<td>Ramani, Hardik</td>
<td>779</td>
</tr>
<tr>
<td>Name</td>
<td>Page Numbers</td>
</tr>
<tr>
<td>-------------------------------------------</td>
<td>--------------</td>
</tr>
<tr>
<td>Ramaswamy, Sita</td>
<td>451</td>
</tr>
<tr>
<td>Ramírez Mena, Adrià</td>
<td>727, 741</td>
</tr>
<tr>
<td>Rao, Amrita</td>
<td>1225</td>
</tr>
<tr>
<td>Rascele, Philippe</td>
<td>104</td>
</tr>
<tr>
<td>Reddy, Kavitha</td>
<td>513</td>
</tr>
<tr>
<td>Reece, Monica D.</td>
<td>521</td>
</tr>
<tr>
<td>Renborg, Linn</td>
<td>577</td>
</tr>
<tr>
<td>Restar, Arjee</td>
<td>1244</td>
</tr>
<tr>
<td>Ribeiro, Susan P.</td>
<td>534</td>
</tr>
<tr>
<td>Richard, Khumoeakae</td>
<td>475</td>
</tr>
<tr>
<td>Richter, Enrico</td>
<td>349</td>
</tr>
<tr>
<td>Ridelolfi, Felipe</td>
<td>870</td>
</tr>
<tr>
<td>Riebensahm, Carlotta</td>
<td>743</td>
</tr>
<tr>
<td>Rigos, Patricia K.</td>
<td>596, 602</td>
</tr>
<tr>
<td>Riley, Elise D.</td>
<td>793</td>
</tr>
<tr>
<td>Rios-Vazquez, Victoria</td>
<td>817</td>
</tr>
<tr>
<td>Rittenhouse, Katelyn J.</td>
<td>913</td>
</tr>
<tr>
<td>Roman, John</td>
<td>1209</td>
</tr>
<tr>
<td>Romero, Fabio</td>
<td>312</td>
</tr>
<tr>
<td>Romo, Matthew</td>
<td>791</td>
</tr>
<tr>
<td>Rosen, Joseph G.</td>
<td>201</td>
</tr>
<tr>
<td>Rosenberg, Nora E.</td>
<td>1092</td>
</tr>
<tr>
<td>Rosenbloom, Daniel S.</td>
<td>1091</td>
</tr>
<tr>
<td>Rosendahl, Stephanie</td>
<td>836</td>
</tr>
<tr>
<td>Rozario, Roberta</td>
<td>836</td>
</tr>
<tr>
<td>Rowan, Sarah E.</td>
<td>708</td>
</tr>
<tr>
<td>Rowan, Sarah E.</td>
<td>708</td>
</tr>
<tr>
<td>Roy Paladhi, Unmesha</td>
<td>1093</td>
</tr>
<tr>
<td>Rubin, Leah H.</td>
<td>109</td>
</tr>
<tr>
<td>Ruderman, Stephanie</td>
<td>1149</td>
</tr>
<tr>
<td>Rudolph, Jacqueline E.</td>
<td>1185</td>
</tr>
<tr>
<td>Rudnerman, Stephanie</td>
<td>1191</td>
</tr>
<tr>
<td>Ruhr, Renata</td>
<td>610</td>
</tr>
<tr>
<td>Ruhr, Renata</td>
<td>610</td>
</tr>
<tr>
<td>Ruhr, Renata</td>
<td>610</td>
</tr>
<tr>
<td>Ruiz-Salinas, Inna</td>
<td>535</td>
</tr>
<tr>
<td>Ruwintal, Supattra</td>
<td>671</td>
</tr>
<tr>
<td>Russo, Antonio J.</td>
<td>706</td>
</tr>
<tr>
<td>Rutstein, Sarah E.</td>
<td>1191</td>
</tr>
<tr>
<td>Sachs, Darpun</td>
<td>1055</td>
</tr>
<tr>
<td>Sako-Mosothi, Mauree</td>
<td>911</td>
</tr>
<tr>
<td>Salvadori, Nicolas</td>
<td>1101</td>
</tr>
<tr>
<td>Salvo, Pierluigi</td>
<td>1079</td>
</tr>
<tr>
<td>Sanchez Gaona, Nerea</td>
<td>543</td>
</tr>
<tr>
<td>Sanchez Menéndez, Clara</td>
<td>440</td>
</tr>
<tr>
<td>Sanchez, Alba</td>
<td>343</td>
</tr>
<tr>
<td>Sanchez, Ildefonzo</td>
<td>443</td>
</tr>
<tr>
<td>Sandel, Damien A.</td>
<td>446</td>
</tr>
<tr>
<td>Sanders, Rogier W.</td>
<td>19</td>
</tr>
<tr>
<td>Sankaran, Madeline</td>
<td>127</td>
</tr>
<tr>
<td>Santelli, John S.</td>
<td>190</td>
</tr>
<tr>
<td>Santos Bravo, Marta</td>
<td>410</td>
</tr>
<tr>
<td>Santos, Jessica D.</td>
<td>442</td>
</tr>
<tr>
<td>Sardarni, Urvinder Kaur</td>
<td>337</td>
</tr>
<tr>
<td>Sarvadhadhavbatla, Sannidhi</td>
<td>768</td>
</tr>
<tr>
<td>Sato, Taisuke</td>
<td>1090</td>
</tr>
<tr>
<td>Saulle, Irma</td>
<td>401</td>
</tr>
<tr>
<td>Saura-Lázaro, Anna</td>
<td>1248</td>
</tr>
<tr>
<td>Sauter, Kristin</td>
<td>816</td>
</tr>
<tr>
<td>Schneider, Isaac</td>
<td>1211</td>
</tr>
<tr>
<td>Schnittman, Samuel R.</td>
<td>143</td>
</tr>
<tr>
<td>Schnure, Melissa</td>
<td>1177</td>
</tr>
<tr>
<td>Schrock, Joshua M.</td>
<td>547</td>
</tr>
<tr>
<td>Schroeder, Ty</td>
<td>338</td>
</tr>
<tr>
<td>Schwab, Stefanie</td>
<td>610</td>
</tr>
<tr>
<td>Schwab, Tania C.</td>
<td>875, 897</td>
</tr>
<tr>
<td>Sczanza, Rebecca</td>
<td>952</td>
</tr>
<tr>
<td>Scott, Hyman</td>
<td>126</td>
</tr>
<tr>
<td>Scott, Rachel K.</td>
<td>928</td>
</tr>
<tr>
<td>Scully, Eileen P.</td>
<td>405</td>
</tr>
<tr>
<td>Secco Torres da Silva</td>
<td>198, 1121</td>
</tr>
<tr>
<td>Segal-Maurer, Sorana</td>
<td>630</td>
</tr>
<tr>
<td>Senn, Anantaporn</td>
<td>978</td>
</tr>
<tr>
<td>Serwanga, Jennifer</td>
<td>394</td>
</tr>
<tr>
<td>Seray, Fredericka</td>
<td>1149</td>
</tr>
<tr>
<td>Severi, Federica</td>
<td>528</td>
</tr>
<tr>
<td>Shan, Liang</td>
<td>41</td>
</tr>
<tr>
<td>Shen, Yanhan</td>
<td>851</td>
</tr>
<tr>
<td>Sherwood, Jennifer</td>
<td>1092</td>
</tr>
<tr>
<td>Shiuai, Stephanie</td>
<td>970, 995</td>
</tr>
<tr>
<td>Shiino, Teichiro</td>
<td>1085</td>
</tr>
<tr>
<td>Shongwe-Gama, Siphwi M.</td>
<td>1226</td>
</tr>
<tr>
<td>Shorer, Eran F.</td>
<td>579</td>
</tr>
<tr>
<td>Shrestha, Prerana</td>
<td>487</td>
</tr>
<tr>
<td>Shuaib, Mustafa</td>
<td>908</td>
</tr>
<tr>
<td>Sigel, Keith</td>
<td>154, 751</td>
</tr>
<tr>
<td>Silverberg, Michael J.</td>
<td>834</td>
</tr>
<tr>
<td>Simons, Lacy M.</td>
<td>425</td>
</tr>
<tr>
<td>Simpson, Jennifer</td>
<td>444</td>
</tr>
<tr>
<td>Singh, Kanhale</td>
<td>837</td>
</tr>
<tr>
<td>Singh, Shalini</td>
<td>336</td>
</tr>
<tr>
<td>Singh, Sonia</td>
<td>193</td>
</tr>
<tr>
<td>Siqueula, Juliana D.</td>
<td>344</td>
</tr>
<tr>
<td>Sithole, Niska N.</td>
<td>1202</td>
</tr>
<tr>
<td>Sithole, Samantha</td>
<td>795</td>
</tr>
<tr>
<td>Skatthun, Britt</td>
<td>1014</td>
</tr>
<tr>
<td>Smith, Jo O2</td>
<td>1020</td>
</tr>
<tr>
<td>Smith, Steven</td>
<td>635</td>
</tr>
<tr>
<td>Smith-Sreen, Joshua</td>
<td>1077, 1096</td>
</tr>
<tr>
<td>Soares, Fabiane D.</td>
<td>1215</td>
</tr>
<tr>
<td>Song, Wei</td>
<td>1018</td>
</tr>
<tr>
<td>Songane, Mario J.P.</td>
<td>1083</td>
</tr>
<tr>
<td>Sop, Joel</td>
<td>391</td>
</tr>
<tr>
<td>Sörstedt, Erik</td>
<td>645</td>
</tr>
<tr>
<td>Soto Ramirez, Luis</td>
<td>679</td>
</tr>
<tr>
<td>Spagnuolo, Vincenzo</td>
<td>691</td>
</tr>
<tr>
<td>Spineielli, Matthew A.</td>
<td>996, 1114</td>
</tr>
<tr>
<td>Spudich, Serena</td>
<td>11</td>
</tr>
<tr>
<td>Sriivasan, Priya</td>
<td>1132</td>
</tr>
<tr>
<td>Sempjija, Victor</td>
<td>322</td>
</tr>
<tr>
<td>Ssuuna, Charles</td>
<td>1207</td>
</tr>
<tr>
<td>Stanford, Kimberly A.</td>
<td>1160</td>
</tr>
<tr>
<td>Stanley, Jay S.</td>
<td>592</td>
</tr>
<tr>
<td>Statzus, Maura</td>
<td>532</td>
</tr>
<tr>
<td>Stelzel, Dominik</td>
<td>196</td>
</tr>
<tr>
<td>Stewart, Jenell</td>
<td>50, 1148</td>
</tr>
<tr>
<td>Strano, Martina</td>
<td>598</td>
</tr>
<tr>
<td>Su, Hang</td>
<td>178</td>
</tr>
<tr>
<td>Suanzès, Paula</td>
<td>517</td>
</tr>
<tr>
<td>Sued, Omar M.</td>
<td>1182</td>
</tr>
<tr>
<td>Sullivan, Patrick S.</td>
<td>116, 1115</td>
</tr>
<tr>
<td>Sun, Weiwei</td>
<td>504</td>
</tr>
<tr>
<td>Szep, Zsofia</td>
<td>420</td>
</tr>
<tr>
<td>Taagaro, Alfredo</td>
<td>964, 965</td>
</tr>
<tr>
<td>Taiwo, Babafemi</td>
<td>1191</td>
</tr>
<tr>
<td>Takuva, Simbarasho</td>
<td>163</td>
</tr>
<tr>
<td>Talavera-Rodriguez, Alba</td>
<td>744</td>
</tr>
<tr>
<td>Tamura, Trevor J.</td>
<td>135</td>
</tr>
<tr>
<td>Tan, Darrell H.S.</td>
<td>1134</td>
</tr>
<tr>
<td>Tan, Toong Seng</td>
<td>176</td>
</tr>
<tr>
<td>Tang, Weiming</td>
<td>1125, 1193</td>
</tr>
<tr>
<td>Tang, Yuyang</td>
<td>494</td>
</tr>
<tr>
<td>Tanner, Mary R.</td>
<td>1311</td>
</tr>
<tr>
<td>Tao, Li</td>
<td>1124</td>
</tr>
<tr>
<td>Tapley, A.</td>
<td>133</td>
</tr>
<tr>
<td>Tatham, Lee</td>
<td>672</td>
</tr>
<tr>
<td>Tavasoli, Azin</td>
<td>600</td>
</tr>
<tr>
<td>Tayong, Ngwi</td>
<td>1183</td>
</tr>
<tr>
<td>Tedaldi, Ellen M.</td>
<td>1074</td>
</tr>
<tr>
<td>Teixeira, Sylvia L.M.</td>
<td>1031</td>
</tr>
<tr>
<td>Tessema, Mesfin T.</td>
<td>385</td>
</tr>
<tr>
<td>Thammajaruk, Narukjaporn</td>
<td>1144</td>
</tr>
<tr>
<td>Thomas, Peyton</td>
<td>586</td>
</tr>
<tr>
<td>Thomas, Rasmii</td>
<td>43</td>
</tr>
<tr>
<td>Thorne, Claire</td>
<td>935</td>
</tr>
<tr>
<td>Tobin, Nicole H.</td>
<td>924</td>
</tr>
<tr>
<td>Tomakla, Jeffrey A.</td>
<td>507</td>
</tr>
<tr>
<td>Torres, Triago S.</td>
<td>1115</td>
</tr>
<tr>
<td>Touloumi, Giota</td>
<td>1041</td>
</tr>
<tr>
<td>Towers, Gregory</td>
<td>31</td>
</tr>
<tr>
<td>Toy, Junine</td>
<td>1161</td>
</tr>
<tr>
<td>Traeger, Michael W.</td>
<td>1153</td>
</tr>
<tr>
<td>Tram, Khai Hoan</td>
<td>1025</td>
</tr>
<tr>
<td>Trejo, Mario J.</td>
<td>1017</td>
</tr>
<tr>
<td>Trevillyan, Janine</td>
<td>9</td>
</tr>
<tr>
<td>Tribble, Jacob T.</td>
<td>765</td>
</tr>
<tr>
<td>Name</td>
<td>Index</td>
</tr>
<tr>
<td>-------------------</td>
<td>---------</td>
</tr>
<tr>
<td>Trickey, Adam</td>
<td>190</td>
</tr>
<tr>
<td>Trifone, César A.</td>
<td>1059</td>
</tr>
<tr>
<td>Trkolja, Alexandra</td>
<td>102</td>
</tr>
<tr>
<td>Tsao, Tasha</td>
<td>780</td>
</tr>
<tr>
<td>Tsbris, Atie</td>
<td>118</td>
</tr>
<tr>
<td>Turner, Christian</td>
<td>1108</td>
</tr>
<tr>
<td>Tuttle, Dylan J</td>
<td>385</td>
</tr>
<tr>
<td>Udayakumar, Suji</td>
<td>1168</td>
</tr>
<tr>
<td>Ulfhammer, Gustaf</td>
<td>574</td>
</tr>
<tr>
<td>Umutoni, Victoria</td>
<td>1216</td>
</tr>
<tr>
<td>Vadaq, Nadira</td>
<td>361</td>
</tr>
<tr>
<td>van Bremen, Kathrin</td>
<td>7</td>
</tr>
<tr>
<td>van der Straten,</td>
<td>100, 379</td>
</tr>
<tr>
<td>Karlijn</td>
<td></td>
</tr>
<tr>
<td>van der Wekken-</td>
<td>585</td>
</tr>
<tr>
<td>Pas, Lena</td>
<td></td>
</tr>
<tr>
<td>van der Wulp, IrisA.J.</td>
<td>753</td>
</tr>
<tr>
<td>van Doorn, Jacob</td>
<td>922</td>
</tr>
<tr>
<td>van Eekeren, LouiseE.</td>
<td>747</td>
</tr>
<tr>
<td>van Paassen, Pien M.</td>
<td>510</td>
</tr>
<tr>
<td>van Santen, DanielaK.</td>
<td>716</td>
</tr>
<tr>
<td>Vandekerkhove, Linos</td>
<td>515</td>
</tr>
<tr>
<td>Vanderford, Thomas H.</td>
<td>1100</td>
</tr>
<tr>
<td>Vanetti, Claudia</td>
<td>314</td>
</tr>
<tr>
<td>Varco-Merth, Benjamin</td>
<td>180</td>
</tr>
<tr>
<td>Varkila, Meri</td>
<td>1062</td>
</tr>
<tr>
<td>Vega, Julian</td>
<td>980</td>
</tr>
<tr>
<td>Velásquez, Gustavo</td>
<td>874</td>
</tr>
<tr>
<td>Veler, Hana</td>
<td>306</td>
</tr>
<tr>
<td>Vellas, Camille</td>
<td>500, 501</td>
</tr>
<tr>
<td>Velu, Vijayakumar</td>
<td>181</td>
</tr>
<tr>
<td>Vetick, Michael</td>
<td>141</td>
</tr>
<tr>
<td>Vick, Sarah C.</td>
<td>434</td>
</tr>
<tr>
<td>Vita, Serena</td>
<td>345</td>
</tr>
<tr>
<td>Vlaming, Killian</td>
<td>454</td>
</tr>
<tr>
<td>Volesky-Avellaneda, Karena</td>
<td>1054</td>
</tr>
<tr>
<td>Vos, Wilhelm A. J.W.</td>
<td>324, 437</td>
</tr>
<tr>
<td>Waalwijn, Hylke</td>
<td>940</td>
</tr>
<tr>
<td>Wallace, Zoe</td>
<td>415, 509</td>
</tr>
<tr>
<td>Walld, Sarah</td>
<td>1194</td>
</tr>
<tr>
<td>Walmsley, Sharon</td>
<td>857, 1227</td>
</tr>
<tr>
<td>Wang, Hua</td>
<td>369</td>
</tr>
<tr>
<td>Wang, Leyao</td>
<td>362</td>
</tr>
<tr>
<td>Wang, Melody</td>
<td>1105</td>
</tr>
<tr>
<td>Wanjalla, Celestine</td>
<td>775, 776</td>
</tr>
<tr>
<td>Wedrychowski, Adam</td>
<td>472</td>
</tr>
<tr>
<td>Wei, Zixuan</td>
<td>428</td>
</tr>
<tr>
<td>Weinstein, Edward</td>
<td>658</td>
</tr>
<tr>
<td>Weiser, John</td>
<td>1050</td>
</tr>
<tr>
<td>Weissman, Sam</td>
<td>458</td>
</tr>
<tr>
<td>Weld, Ethel D.</td>
<td>156</td>
</tr>
<tr>
<td>Wells, Alan</td>
<td>471</td>
</tr>
<tr>
<td>Welsher, Kevin</td>
<td>4</td>
</tr>
<tr>
<td>Wendt, Chris</td>
<td>827</td>
</tr>
<tr>
<td>Werner, Alexandra</td>
<td>432</td>
</tr>
<tr>
<td>Whitlock, Gary</td>
<td>1133</td>
</tr>
<tr>
<td>Wiche Salinas, Tomas Raul</td>
<td>522</td>
</tr>
<tr>
<td>Williams, Paige L.</td>
<td>934</td>
</tr>
<tr>
<td>Williamson, Anne</td>
<td>1187</td>
</tr>
<tr>
<td>Wilson, Meg</td>
<td>111</td>
</tr>
<tr>
<td>Wilson, Samuel</td>
<td>571, 591</td>
</tr>
<tr>
<td>Win, Beta</td>
<td>639</td>
</tr>
<tr>
<td>Wise, Jenni</td>
<td>788</td>
</tr>
<tr>
<td>Witterholt, Matthew</td>
<td>749</td>
</tr>
<tr>
<td>Wong, Michelle E.</td>
<td>491</td>
</tr>
<tr>
<td>Wu, En-Ling</td>
<td>1095</td>
</tr>
<tr>
<td>Wyles, David L.</td>
<td>735</td>
</tr>
<tr>
<td>Xiaojie</td>
<td>1038</td>
</tr>
<tr>
<td>Yaginik, Rhrugiu</td>
<td>529</td>
</tr>
<tr>
<td>Yan, Alye</td>
<td>842</td>
</tr>
<tr>
<td>Yan, Cynthia</td>
<td>601</td>
</tr>
<tr>
<td>Yan, Lily D.</td>
<td>148</td>
</tr>
<tr>
<td>Yang, Chin-An</td>
<td>809</td>
</tr>
<tr>
<td>Yang, Emmi</td>
<td>1034</td>
</tr>
<tr>
<td>Yang, Xueying</td>
<td>397, 848, 849</td>
</tr>
<tr>
<td>Yelverton, Valerie</td>
<td>1075</td>
</tr>
<tr>
<td>Yendewa, George A.</td>
<td>730</td>
</tr>
<tr>
<td>Yilmaz, Aylin</td>
<td>1047</td>
</tr>
<tr>
<td>Yin, Li</td>
<td>936</td>
</tr>
<tr>
<td>You, Shiyung</td>
<td>1229</td>
</tr>
<tr>
<td>Yu, Qigu</td>
<td>550</td>
</tr>
<tr>
<td>Yuan, Zhe</td>
<td>531</td>
</tr>
<tr>
<td>Zalla, Lauren C.</td>
<td>1245</td>
</tr>
<tr>
<td>Zaman, Lubaba A.</td>
<td>538</td>
</tr>
<tr>
<td>Zanni, Markella</td>
<td>45</td>
</tr>
<tr>
<td>Zanoni, Brian C.</td>
<td>992</td>
</tr>
<tr>
<td>Zeballos Rivas, Diana</td>
<td>1030</td>
</tr>
<tr>
<td>Zeeb, Marius</td>
<td>373</td>
</tr>
<tr>
<td>Zeeb, Marius</td>
<td>1071</td>
</tr>
<tr>
<td>Zemelko, Lily</td>
<td>407</td>
</tr>
<tr>
<td>Zewdie, Kidist</td>
<td>1112</td>
</tr>
<tr>
<td>Zhang, Y. Jason</td>
<td>101</td>
</tr>
<tr>
<td>Zhao, Ying</td>
<td>556, 680</td>
</tr>
<tr>
<td>Zhong, Ruohui</td>
<td>612</td>
</tr>
<tr>
<td>Zhou, Shuntai</td>
<td>136</td>
</tr>
<tr>
<td>Zhu, Weiming</td>
<td>206, 1103</td>
</tr>
<tr>
<td>Zhu, Xianming</td>
<td>1061</td>
</tr>
<tr>
<td>Zoulim, Fabien</td>
<td>32, 740</td>
</tr>
<tr>
<td>Time</td>
<td>SUNDAY, MARCH 3, 2024</td>
</tr>
<tr>
<td>----------</td>
<td>-------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>8:30 AM</td>
<td>Scott M. Hammer Workshop for New Investigators and Trainees</td>
</tr>
<tr>
<td>9:00 AM</td>
<td></td>
</tr>
<tr>
<td>9:30 AM</td>
<td></td>
</tr>
<tr>
<td>10:00 AM</td>
<td></td>
</tr>
<tr>
<td>10:30 AM</td>
<td></td>
</tr>
<tr>
<td>11:00 AM</td>
<td></td>
</tr>
<tr>
<td>11:30 AM</td>
<td></td>
</tr>
<tr>
<td>12:00 PM</td>
<td></td>
</tr>
<tr>
<td>12:30 PM</td>
<td>Lunch 12:30 PM – 1:30 PM</td>
</tr>
<tr>
<td>1:00 PM</td>
<td></td>
</tr>
<tr>
<td>1:30 PM</td>
<td></td>
</tr>
<tr>
<td>2:00 PM</td>
<td></td>
</tr>
<tr>
<td>2:30 PM</td>
<td></td>
</tr>
<tr>
<td>3:00 PM</td>
<td></td>
</tr>
<tr>
<td>3:30 PM</td>
<td></td>
</tr>
<tr>
<td>4:00 PM</td>
<td></td>
</tr>
<tr>
<td>4:30 PM</td>
<td></td>
</tr>
<tr>
<td>5:00 PM</td>
<td></td>
</tr>
<tr>
<td>5:30 PM</td>
<td></td>
</tr>
<tr>
<td>6:00 PM</td>
<td></td>
</tr>
<tr>
<td>6:30 PM</td>
<td></td>
</tr>
<tr>
<td>7:00 PM</td>
<td></td>
</tr>
<tr>
<td>7:30 PM</td>
<td></td>
</tr>
</tbody>
</table>

**ADDITIONAL INFORMATION**

Continental breakfast is available in the Belco Lobby from 7:30 AM to 8:30 AM, Monday to Wednesday.

* PosterWalks and Meet the Luminaries sessions are limited to New Investigator Scholarship Awardees and Community Educator Scholarship Awardees. **Sign-up in advance is required.**

**NEW TO CROI:** ePoster Theaters will feature key science in the Poster Sessions each day, presented by CROI Program Committee members.
Restrooms
Elevators (Accessible)
Public Escalators
Public Stairs
Charging Stations
Concessions
Information
First Aid Station