

INTERNATIONAL  
WORKSHOP ON

# HIV & AGING 2022



VIRTUAL MEETING | 13-14 OCTOBER 2022

Program Book



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# Welcome

As the Chairs of the 13th edition of the International Workshop on HIV & Aging, we are excited to welcome you to the workshop. The mission of this workshop is to provide a much-needed platform to exclusively focus on the integration of the disparate fields of geriatrics, internal medicine, HIV biology, pharmacology, psychology, and numerous medical subspecialties in an interactive setting. We provide a platform for the presentation and discussion of the latest biological knowledge and treatment strategies that may improve the future of persons aging with HIV. As people living with HIV reach lifespans similar to those of people living without HIV, our mission is to help achieve an equivalent healthspan.

As people living with HIV age, they often experience an excess of morbidity and mortality, including earlier onset of aging complications such as neurocognitive impairment, cardiovascular disease, kidney disease, and frailty. It is vital to understand why this is. To this end, the workshop has an intimate size and multidisciplinary program intended to promote transdisciplinary interactions, which have led to many long-lasting and productive collaborations. The workshop also prioritizes opportunities for trainees and junior investigators to present their research, network, and learn from experts in many fields.

This year, we are excited that the workshop will include a highly diverse team of basic and clinical scientists, clinicians, trainees, and community members. This year's program will delve into basic biologic aging (for example, mechanisms of inflammation) and clinical challenges (for example, neurocognitive and mental health difficulties, specialized care of aging persons living with HIV). We have a tremendous group of speakers with a wealth of knowledge on both Aging and HIV. Through plenary and abstract presentations, parallel session poster tours, fast paced lightning poster presentations, and panel discussions, the 13th Workshop is certain to be an excellent opportunity for learning. We thank you for joining us!

On behalf of the Organizing Committee,

*Kristine Erlandson  
Joseph Margolick  
David Moore*

## Program Chairs



**Kristine Erlandson  
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Denver- Anschutz  
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**Joseph Margolick  
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Johns Hopkins  
Bloomberg School of  
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**David Moore  
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University of California,  
San Diego, United States

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## Organizing Committee



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**Julian Falutz**  
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**Scott Letendre**  
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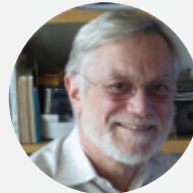
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**Jules Levin**  
**MS**

National AIDS Treatment Advocacy  
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**Jonathan Schapiro**  
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National Hemophilia Center,  
Sheba Medical Center,  
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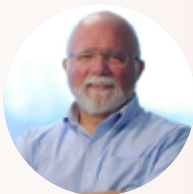
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## Scientific Committee

<b>Dorcas Baker, RN, BSN, ACRN, MA</b>	Johns Hopkins University School of Nursing, MidAtlantic AIDS Education and Training Center (AETC), United States
<b>Bruce Brew, MD</b>	St Vincent's Hospital, Australia
<b>Marie-Josée Brouillette, MD</b>	McGill University Health Centre, Canada
<b>Simon Collins</b>	HIV i-Base, United Kingdom
<b>Daniel Duprez, MD</b>	University of Minnesota (Cardiology), United States
<b>Giovanni Guaraldi, MD</b>	Policlinico Modena, Italy
<b>Jordan Lake, MD, MSc</b>	UTHealth, United States
<b>Alan Landay, PhD</b>	Rush University Medical Center, United States
<b>Catia Marzolini, PharmD, PhD</b>	University Hospital Basel, Switzerland
<b>Eugènia Negrodo, MD, PhD</b>	Universitat Autònoma de Barcelona , Spain
<b>Kelly O'Brien, PhD, BScPT, BSc</b>	University of Toronto, Department of Physical Therapy, Canada
<b>Brendan Payne, PhD</b>	Newcastle University, United Kingdom
<b>Molly Perkins, PhD</b>	Emory University School of Medicine, United States
<b>Matilde Sanchez Conde, MD, PhD</b>	Hospital Ramón y Cajal, Spain
<b>Eugenia Siegler, MD</b>	Weill Cornell Medicine, United States
<b>Jeff Taylor</b>	HIV + Aging Research Project - Palm Springs, United States
<b>Phyllis Tien, MD, MSc</b>	University of California, San Francisco, United States
<b>Cara Wilson, MD</b>	University of Colorado, United States



# Practical Information

## Abstracts

Accepted abstracts are published in **Reviews in Antiviral Therapy & Infectious Diseases, Volume 2022\_11**.

## Certificate of Attendance

Your certificate of attendance with your CME credits will be sent to you upon completion of the post-meeting survey.

## Feedback

Your feedback is very valuable to us and enables us to further improve this workshop. After each session, a short questionnaire will pop-up and we would like to ask you to take a minute to complete it. After the workshop, a survey will be sent to you via email, with other questions to improve this workshop.

## Group picture

We ask you all to take a photo of yourself watching the workshop and send it to the workshop secretariat at [Christina.moustakaki@amededu.com](mailto:Christina.moustakaki@amededu.com) before 10am EDT on Friday, 14 October. We will collate the images and send out the finished virtual group photo at the end of the workshop.

## Networking

The Meeting Hub allows you to connect and communicate with other attendees. Once you have located an attendee you want to connect with, click the Connect button. Once the other attendee accepts your request, you can choose to interact by starting a live chat or live video call. You can also schedule a meeting at a later time, send messages and take notes. Contact information for all attendees you have connected with will be included when you export contacts.

## Notes

You will be able to take notes during the virtual workshop. Any notes that you take throughout the event can be exported by selecting the Export icon in the top right of the screen near your profile image.

## Our Team



**Lara da Silva Miguel**  
Project Manager  
[Lara@amededu.com](mailto:Lara@amededu.com)



**Christina Moustakaki**  
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## Virtual Workshop Portal

OnAIR is the virtual workshop platform being used for HIV & Aging 2022. A video tutorial on how to use the Workshop Portal can be found [here](#).

To log in, please follow this link and use the login credentials you have received per email. The Virtual Portal works best with Google Chrome. It may not be compatible with your mobile phone or tablet. To access the sessions, we advise you to use your computer.

## Social Media

We encourage you to post news about **#HIVAGING** to your social media accounts and tweet about **#HIVAGING** as often as you like during the workshop. You can either post your own tweet to your followers using the hashtag **#HIVAGING** or retweet a message through the official [@Academic\\_MedEdu](#) account.

## Posters and Guided Poster Tours

During the virtual workshop all accepted posters are displayed in the Poster Gallery. The Poster Gallery is always open for you. The Guided Poster Tours will be held as parallel sessions on Thursday, 13 October, at the conclusion of the plenary program.

## Presentations and Webcasts

**ame** Videos, abstracts, and other materials will be made available on [www.AcademicMedicalEducation.com](http://www.AcademicMedicalEducation.com) 3 weeks after the meeting. You will be able to watch the presentations on the Virtual Workshop Portal until this time.

## Time Zones

Times are in Eastern Daylight Time. If you need to convert the times to your timezone, this website might be of interest to you:

<https://www.worldtimebuddy.com/>

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The International Workshop on HIV & Aging 2022 Utrecht (Livestream), Netherlands, 13/10/2022-14/10/2022 has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) with **4 European CME credits (ECMEC®s)**. Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity.

Through an agreement between the Union Européenne des Médecins Spécialistes and the American Medical Association, physicians may convert EACCME® credits to an equivalent number of AMA PRA Category 1 Credits™. Information on the process to convert EACCME® credit to AMA credit can be found at [www.ama-assn.org/education/earn-credit-participation-international-activities](http://www.ama-assn.org/education/earn-credit-participation-international-activities).





# Speakers



**Beau Ances**  
**MSc, MD, PhD, FANA, FAAN**

Washington University in Saint Louis,  
United States

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**Angela Condo**  
**MD**

Icahn School of Medicine at Mount  
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**Luigi Ferrucci**  
**MD, PhD**

National Institute on Aging (NIA),  
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**Peter Hunt**  
**MD**

University of California San Francisco,  
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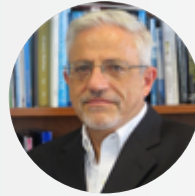
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**James Kirkland**  
**MD, PhD**

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**Eliezer Masliah**  
**MD**

National Institute on Aging (NIA),  
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**Mary Clare Masters**  
**MD**

Northwestern Memorial Hospital,  
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**Nancy Sheehan**  
**PharmD, MSc**

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University Health Centre, Canada

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**Amanda Willig**  
**PhD, RD**

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**Christina Wyatt**  
**MD**

Duke University,  
United States

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## Thursday, 13 October 2022

Times are in Eastern Daylight Time (EDT)

### Opening of the Workshop

- 10:00 AM **Opening Words**  
**Kristine Erlandson, MD, MS**  
 University of Colorado Denver- Anschutz Medical Campus, United States

### Session 1: **Biological Aging** *Chairs: Dorcas Baker & Catia Marzolini*

- 10:05 AM **How Are We Measuring Aging/ Which Different Methods Are Used to Assess Aging**  
**Luigi Ferrucci, MD PhD**  
 National Institute on Aging (NIA), United States

- 10:17 AM **Use of Senolytics as Modifiers of Aging Trajectory**  
**James Kirkland, MD, PhD**  
 Mayo Clinic, United States

### 10:32 AM **Live Q&A - Discussion with the Audience**

#### Oral Abstract - Driven Presentations

- 10:52 AM **Early Interruptions in Treatment Among PLHIV Over 50 Years of Age Starting Antiretroviral Therapy in PEPFAR-Supported Low and Middle-Income Countries** #1  
*Deidra Parrish, USAID, United States*
- 10:57 AM **Persistent CD38 Expression on CD8+ T Lymphocytes Contributes to Chronic Inflammation in People With HIV, Despite ART** #2  
*Poonam Mathur, Institute of Human Virology, University of Maryland School of Medicine, United States*
- 11:04 AM **Tenofovir Alafenamide Is Associated With Shorter Telomere Length in People With HIV** #3  
*Upal Roy, Tulane University School of Medicine, United States*

### 11:11 AM **Live Q&A - Discussion with the Audience**

11:30 AM Virtual Break - Time to Network

11:45 AM [Industry-Supported Satellite Symposium](#)

12:45 PM Virtual Break - Time to Network

### Session 2: **Neurocognitive Impairment in Aging PLWHIV** *Chairs: Scott Letendre & Bruce Brew*

- 1:00 PM **Overlap Between HAND and Alzheimer Disease**  
**Eliezer Masliah, MD**  
 National Institute on Aging (NIA), United States

- 1:15 PM **Overlap Between Cognitive and Physical Frailty**  
**Mary Clare Masters, MD**  
 Northwestern Memorial Hospital, United States

### 1:30 PM **Live Q&A - Discussion with the Audience**



## Oral Abstract - Driven Presentations

- |         |   |    |
|---------|---|----|
| 1:45 PM | <b>Increasing Neuroinflammation Relates to Increasing Neurodegeneration in PWH</b><br><i>Azin Tavasoli, Sepidjamegan Clinic, Iran</i>   | #4 |
| 1:51 PM | <b>Individual and Community Measures of Depression and Risk of Non-communicable Disease Among Adults With HIV</b><br><i>Jessica Castilho, Vanderbilt University Medical Center, United States</i> | #5 |
| 1:58 PM | <b>Social and Co-morbid Determinants of Brain Aging in Persons With and Without HIV</b><br><i>Kalen Petersen, Washington University In St. Louis, United States</i>                               | #6 |

2:05 PM **Live Q&A - Discussion with the Audience**

2:25 PM **Guided Poster Tours (3 Parallel Sessions)**

### Guided Poster Tour 1: CVD and Related Interventions

Moderators: Joseph Margolick & Alan Landay

- |  |  |     |
|--|--|-----|
|  | <b>A Clinical Study of Non-Invasive Early Cardiovascular Disease Risk Assessment in the Hispanic Population Living with HIV</b><br><i>Douglas Salguero, Mount Sinai Medical Center, United States</i>              | #24 |
|  | <b>An Exploration of the Role of Intersectional Stigma and Discrimination on Cardiovascular Risk, Among Aging Women With HIV</b><br><i>Lunthita Duthely, University of Miami School of Medicine, United States</i> | #25 |
|  | <b>Glucose Changes Among Aging Female PWH in Southeast United States</b><br><i>Jennifer Kuretski, Midway Specialty Care Center, United States</i>  | #26 |
|  | <b>Exploring Experiences With Exercise From the Perspectives of Women Living With HIV: A Qualitative Study</b><br><i>Nora Sahel-gozin, University of Toronto, Canada</i>   | #46 |

### Guided Poster Tour 2: Loneliness and Isolation

Moderators: Eugenia Siegler & Molly Perkins

- |  |  |     |
|--|--|-----|
|  | <b>HIV, Social Networks, and Loneliness among Older-Aged People in Uganda</b><br><i>Lien Quach, Massachusetts General Hospital/University of Massachusetts Boston, United States</i>   | #31 |
|  | <b>Selecting a Virtual Platform to Attenuate Social Isolation Among Older People Living With HIV: Lessons Learned From Community-Engaged Consultation</b><br><i>Erik Ruiz, University of South Florida, College of Public Health, United States</i>  | #40 |
|  | <b>United Voices: Feasibility and Acceptability of a Virtual Choir Intervention for Older People with HIV during COVID-19</b><br><i>Judy Tan, University of California San Francisco, United States</i>  | #42 |
|  | <b>Social Support Network Factors Linked to Neuropsychological Performance Among Disadvantaged Persons Living With HIV Who Use Drugs: Implications for Multi-Level Intervention on Cognitive Impairment Linked to HIV</b><br><i>Amy Knowlton, Johns Hopkins Bloomberg School of Public Health, United States</i> | #53 |

### Guided Poster Tour 3: COVID and Aging

Moderators: Brendan Payne & Kelly O'Brien

- |  |   |     |
|--|---|-----|
|  | <b>Effects of the COVID-19 Pandemic on Quality of Life: Cross-Sectional Study of Older-Age People With and Without HIV in Rural Uganda</b><br><i>Brianne Olivieri-Mui, Northeastern University, United States</i> | #34 |
|  | <b>Frailty Transitions in People With Post-Acute COVID Syndrome</b><br><i>Jovana Milic, University of Modena and Reggio Emilia, Italy</i>   | #37 |
|  | <b>Telehealth Access and Experiences of Older Adults With HIV During COVID-19</b><br><i>Emily Reyes, University of California San Francisco, United States</i>  | #50 |

2:55 PM End of Day 1



## Friday, 14 October 2022

Times are in Eastern Daylight Time (EDT)

10:05 AM **Day 2 - Introduction**  
**Kristine Erlandson, MD, MS**  
 University of Colorado Denver- Anschutz Medical Campus, United States

10:10 AM **Mentoring Lecture**  
**Beau Ances, MSc, MD, PhD, FANA, FAAN**  
 Washington University in Saint Louis, United States

### Lightning Poster Presentations

Chair: David Moore

10:30 AM **Frailty and Physical Performance Assessments as Part of a Comprehensive Geriatric Care Model in an Urban HIV Clinic** #11  
*Uzoamaka Eke, University of Maryland School of Medicine, United States*

10:32 AM **Evaluation of an Electronic Health Record-Based Frailty Index in People With and Without HIV in a Primary Care Setting** #12  
*Jennifer Lam, Kaiser Permanente Northern California, United States*

10:34 AM **Risk Factors for Frailty in a Geriatric Cohort on Long Term Antiretroviral Treatment in Uganda** #13  
*Phoebe Mbabazi, Infectious Diseases Institute, Uganda*

10:36 AM **Physical Frailty Among Older HIV-Positive and HIV-Negative Women in Mombasa, Kenya: A Cross-Sectional Study** #14  
*Teresa Kinyari, University of Nairobi, Kenya*

10:38 AM **Assessing the Impact of HIV Status and Menstrual Abnormalities on Longitudinal Bone Density Loss in Women Living With and Without HIV** #15  
*Shayda Swann, University of British Columbia, Canada*

10:40 AM **Hormonal Intervention Combined with Allopregnanolone Alleviates Premature Age-Related Comorbidities in Female Mice Exposed to Ovarian Failure and HIV-1 Tat** #16  
*Alaa Qrareya, The University of Mississippi, United States*

10:42 AM **Plasma Extracellular Vesicles and Cell-Free Mitochondrial DNA Are Associated With Cognitive Dysfunction in Treated Older Adults With HIV** #17  
*Carrie Johnston, NYP-Weill Cornell Medical Center, United States*

10:44 AM **Clinical Care Priorities and Service Needs Among Patients Aging with HIV in the Bronx, New York** #18  
*Amanda Pierz, CUNY Graduate School of Public Health and Health Policy, United States*

10:46 AM **Physical Functioning in Older People Living With HIV: STRONG Study** #19  
*Kareshma Mohanty, University of Maryland, United States*

10:48 AM **Alzheimer-Type Cerebral Amyloidosis in the Context of HIV Infection: Implications for a Proposed New Treatment Approach** #20  
*Shibangi Pal, University of California San Diego, United States*

10:50 AM **Live Q&A**

11:00 AM Virtual Break - Time to Network

**Session 3: Emerging Complications with Aging (+/- HIV)**  
 Chairs: Julian Falutz & Savita Pahwa

11:15 AM **Kidney Disease in Aging PLWHIV**  
**Christina Wyatt, MD**  
 Duke University, United States

11:28 AM **Live Q&A - Discussion with the Audience**



## Oral Abstract - Driven Presentations

- |                     |   |     |
|---------------------|---|-----|
| 11:43 <sup>AM</sup> | <b>The Impending African Challenge: Gaps in 95-95-95 Performance Herald an Emerging Double-Disease Burden of Ageing and HIV in Two High Burden Metropolitan Health Districts in South Africa</b><br><i>Candice Fick, Wits Reproductive Health and HIV Institute, South Africa</i> | #7  |
| 11:50 <sup>AM</sup> | <b>Aging and HIV: What Is the Gap Between Clinical Practice and Guideline Recommendations?</b><br><i>Giovanni Guaraldi, Metabolic Clinic, University Of Modena And Reggio Emilia, Italy</i>   | #8  |
| 11:59 <sup>AM</sup> | <b>Needs and Involvement of HIV Specialists and Geriatricians in the Care of Older Adults with HIV. A National Survey</b><br><i>Fátima Brañas, Hospital Universitario Infanta Leonor, Spain</i>   | #9  |
| 12:06 <sup>PM</sup> | <b>New York State AIDS Institute Initiatives to Improve Care For Older People With HIV and Long-Term Survivors: An Example of a Government-Academic-Community Partnership</b><br><i>Daniel Belanger, NYS Department of Health AIDS Institute, United States</i>                   | #10 |

12:14 <sup>PM</sup> **Live Q&A - Discussion with the Audience**

12:30 <sup>PM</sup> Virtual Break - Time to Network

### Session 4: **Panel Discussion: Specialized Care for Aging PLWHIV** *Chair: Meredith Greene*

12:45 <sup>PM</sup> *Brief Introductory Lectures*

#### **Geriatric Clinic Structure in General**

**Angela Condo, MD**

Icahn School of Medicine at Mount Sinai, United States

#### **Neuro Assessments**

**Beau Ances, MSc, MD, PhD, FANA, FAAN**

Washington University in Saint Louis, United States

#### **Nutrition/Diet Quality Screening**

**Amanda Willig, PhD, RD**

University of Alabama at Birmingham, United States

#### **Polypharmacy/Drug Interactions**

**Nancy Sheehan, PharmD, MSc**

Université de Montréal/McGill University Health Centre, Canada

#### **Physical Function/Physical Activity**

**Luigi Ferrucci, MD, PhD**

National Institute on Aging (NIA), United States

#### **Patient Perspective**

**Jules Levin, MS**

National AIDS Treatment Advocacy Project, United States

1:15 <sup>PM</sup> **Panel Discussion: Sharing Experiences / Best Practice**

### **Closure of the Workshop**

1:45 <sup>PM</sup> **Closing Remarks**

**David Moore, PhD**

University of California, San Diego, United States

1:50 <sup>PM</sup> End of the Workshop






**13 October 2022**

**Aging and Inflammation, From Science to Clinical Relevance**



EDT

	<b>Welcome</b> <i>Chair: Joseph Margolick</i>
11:45 AM	 <b>Basic Concepts on Inflammation Linking It to Aging (+/- PLWHIV)</b> <b>Peter Hunt, MD</b> University of California San Francisco, United States
12:00 PM	 <b>Inflammation, Aging, and End-Organ Disease in People with HIV</b> <b>Scott Letendre, MD</b> University of California San Diego, United States
12:15 PM	 <b>In the Clinic: What Do We Do With That Knowledge - How to Monitor/Treat/Prevent</b> <b>Julian Falutz, MD, FRCPC</b> McGill University, Canada
12:30 PM	<b>Live Q&amp;A - Discussion with the Audience</b>
12:45 PM	<b>End of Symposium</b>

*This educational activity is supported by an independent educational grant from ViiV Healthcare. ViiV Healthcare was not involved in the development of content or selection of faculty for this educational activity.*



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UNTIL  
**IGNORANCE**  
BECOMES

# ACCEPTANCE

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