

HYBRID | BETHESDA, MD, USA | 11-12 NOVEMBER 2021

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MEETING PROSPECTUS



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PROSPECTUS INTERNATIONAL WORKSHOP ON HIV TRANSMISSION | 2021

NEEDS STATEMENT WHY SUPPORT THE INTERNATIONAL WORKSHOP ON HIV TRANSMISSION PRINCIPLES OF INTERVENTION 2021?

Human immunodeficiency virus (HIV) has caused one of the greatest global epidemics of modern times and it continues to present a significant health burden for the estimated 37.9 million infected people.¹ High incidence of newly reported infections (1.7 million people estimated in 2018]² could be at least in part explained by our limited insights into the virus spread at the molecular and population level. Clinical care for HIV patients has improved immensely in the last few decades, nevertheless, as millions are treated globally for extended periods, the emergence and transmission of drug resistance remain a serious threat to the long-term use of antiretroviral therapy. In this "treat all" era, the scaling-up of ART is expected to increase the prevalence of acquired drug resistance in treated individuals, and consequently, transmitted drug resistance in newly infected individuals.³

This highlights a need for effective prevention strategies that critically depend on basic science insights on molecular mechanisms of HIV transmission. A comprehensive understanding of virus-host interaction, population bottlenecks, and phenotypical features of transmitted/founder virus is pivotal to vaccine design and other prevention strategies,⁴ and therefore control of the HIV epidemic. The International Workshop on HIV Transmission gathers basic scientists, clinicians, virologists, epidemiologists, and public health officials to present and discuss recent findings in biological and epidemiological aspects of HIV transmission, hence providing a unique platform for cross-disciplinary discussion that ultimately aims to constrain the spread of (drug-resistant) HIV.

References:

- 1. World Health Organization: Global Health Observatory data repository. Number of people (all ages) living with HIV Estimates by WHO region; 2018.
- 2. UNAIDS, Global HIV & AIDS statistics-2019 fact sheet. https://www.unaids. org/en/resources/fact-sheet Accessed: April 26, 2020
- 3. Clutter DS., et al. HIV-1 Drug Resistance and Resistance Testing. Infect Genet Evol. 2016; 46: p292–307.
- 4. Shaw M. and Hunter E. HIV Transmission. Cold Spring Harbor Perspective in Medicine. 2012; 2(11): a006965.

THE WORKSHOP HAS BEEN ENDORSED BY



Center for AIDS Research









the CTN CIHR Canadian HIV Trials Network le Réseau Réseau canadien pour les essais VIH des IRSC









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ORGANIZING COMMITTEE

The members of the Organizing Committee (OC) are carefully selected experts and inspirational leaders in their respective fields. They come together on a frequent basis to develop a scientific program tailored to the needs of healthcare professionals in the field. Furthermore, they identify clinical studies and research projects within their organizations/network and review and select abstracts. They actively participate as session chairs and join the Q&A sessions, discussions, and debates during the workshop.



Charles Boucher MD, PhD

Erasmus Medical Center The Netherlands



Program Chair James Arthos PhD NIAID - NIH United States



Eric Hunter PhD Emory University

United States



Phyllis Kanki DVM, DSc

Harvard School of Public Health United States





Thumbi Ndung'u BVM, PhD

KwaZulu-Natal Research Institute for Tuberculosis and HIV South Africa





Program Chair Walid Heneine PhD

Centers for Disease Control & Prevention United States



Gabriela Scarlatti MD, PhD

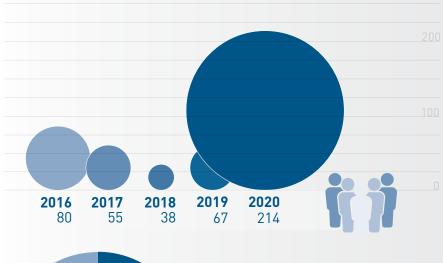
San Raffaele Scientific Institute Italy



PROSPECTUS **INTERNATIONAL WORKSHOP ON HIV TRANSMISSION | 2021**

DEMOGRAPHICS

NUMBER OF ATTENDEES



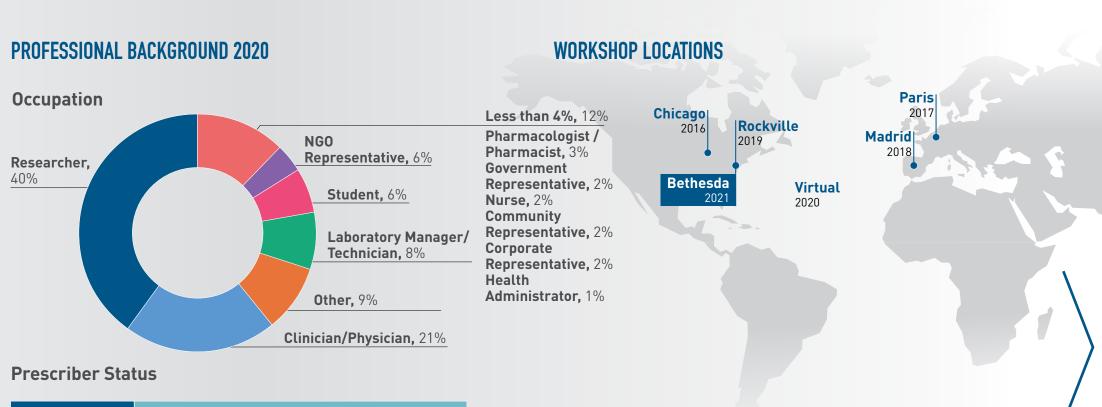


PERCENTAGE OF RETURING **AND NEW PARTICIPANTS**

76% NEW 24% RETURNING

IN TOTAL 214 PARTICIPANTS FROM 46 COUNTRIES ATTENDED THE WORKSHOP IN 2020

PROFESSIONAL BACKGROUND 2020



Non-Prescriber, 72%

Prescriber, 28%

Primary Area of Expertise

Microbiology, 4% Microbiology, 4% **HIV,** 88% Immunology, 6%

Geographical Distribution of Participants in 2020 Edition (Top 5)

United States	81
Canada	8
Nigeria	8
Philippines	8
South Africa	7

(average between 1 and 10)

IMPACT

To assess and evaluate the outcomes of this workshop, Virology Education provides each delegate with a feedback form to anonymously assess the relevance of workshop program, speakers' performance, whether the meeting objectives were met, participants' intent to implement acquired knowledge into their practice, and the general organization of the workshop, etc. We encourage participants to share their educational needs and suggestions for future workshop editions, in order to further improve the program and ensure that it matches the needs of participants. The comprehensive evaluation report is available upon request.

Needs Assessment and Knowledge Gaps

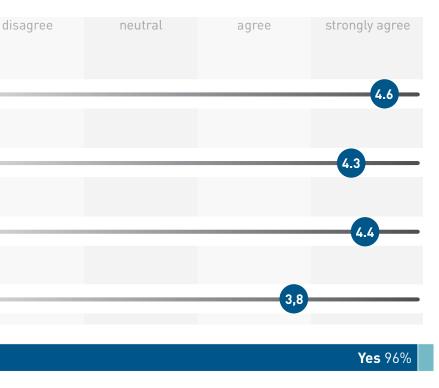
All participants provided their feedback on pre-defined set of identified knowledge gaps in HIV research and care. The following gaps were indicated:

Continuous education on ART strategies for prevention and treatment	8.7
Pre-clinical HIV Research	8.4
Approaches to improve the quality of life for people living with HIV	8.5
HIV management in underrepresented populations	8.4
Implementation of innovations in the delivery of HIV care	8.3
Integration of cross-disciplinary care: comorbidities and co-infections	8.2
COVID-19 and its impact on HIV clinical care	8.1

2020 EVALUATION RESULTS

INTENT TO CHANGE [weighted average] • Lectures increased my knowledge • Program was beneficial • I intend to incorporate the new information • I have utilized this information before • I will be able to implement the knowledge

1 - 5 scale, 5 = strongly agree



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PROGRAM

Over the years, advances in HIV treatment have led to an enhanced understanding of the virus and improved care of HIV infected patients. However, our insights into the spread of the HIV virus remain limited. A more extensive exchange of knowledge on the various aspects of HIV transmission provides important perspectives for a better approach to the epidemic. For this purpose, an integrated forum was set up in 2006 to reveal the perspectives of experts from different fields, thereby enabling discussion on all relevant mechanisms of HIV transmission. Since then, the annual Transmission Workshops are valuable to those specialized in HIV transmission.

The program will have a hybrid format to attract a broader audience beyond the workshop walls. It will combine live and virtual components including livestreamed lectures and interactive platforms for real time Q&A sessions, chat rooms, and round-tables.

Topics

- Ending The HIV Epidemic (EHE) in the US
- Immune Mediated Prevention of HIV Transmission
- Cellular Targets for Transmission
- Animal Models for PrEP and Vaccine

Format

- Two-Day Workshop
- Abstract-Driven
 Presentations
- Roundtable discussions

2020 PROGRAM

10 December 2020

Session 1 Ending The HIV Epidemic (EHE) in the

Introduction for Ending HIV Epidemic in the US: Plan for America

Ending the HIV Epidemic: "Diagnose". The First Pillar of EHE

EHE in the U.S.: Treatment

Research Needed to Expand the Use and Effectiveness of PrEP

Cluster Detection and Response

Abstract 1: Evolving Trends in the Spread of HIV-Quebec Among Men-Having-Sex-With-Men and Migrants to Quebec (2002-2019)

Abstract 2: HIV Trace vs Phylogenetic Analysis: Unraveling Transmission Clusters in Spain

Abstract 3: Dynamics of HIV-1 Transmission Clusters in North and Central Italy Over the Year 2012-2019

Session 2 Immune Mediated Prevention of HIV Transmission

Vaccine Trials - What Went Wrong with the Vacc Trial (HVTN 702)

HIV Prevention and Monoclonal Antibodies

Abstract 4: Protection Against Repeated Intraven Shiv Challenges by bNAb 10-1074 and 3BNC117

Abstract 5: Broadly Neutralizing HIV-1 Antibody Reactivity in HIV Tests: Implications for Diagnostics

ENDURING MATERIALS

The workshop program will be freely accessible and widely disseminated to reach virtual participants beyond the walls of the workshop center at the website <u>www.AcademicMedicalEducation.com</u>.

Visitors of the website will have full access to:

- e-abstracts
- e-posters
- Meeting Reports
- Workshop Presentations

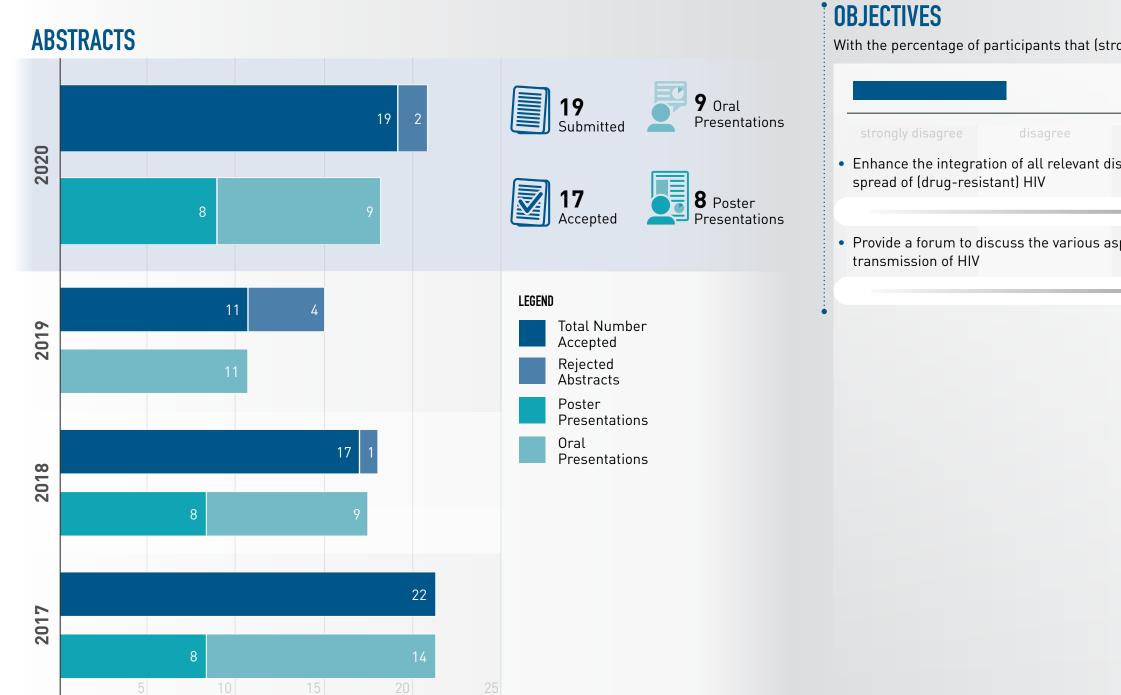
academic medical education

	11 December 2020
e US	Session 3 Cellular Targets for Transmission
: a	Early Cellular Targets of HIV Infection
t	Mucosal Involvement in Transmission
	Abstract 6: Lactic Acid Produced by an Optimal Vaginal Microbiota Promotes Cervicovaginal Epithelial Barrier Integrity: Implications for HIV Transmission
-1 in New	Abtsract 7: Evaluation of Antiretroviral Drug Exposure in the Penile Compartment
	Session 4 Animal Models for PrEP and Vaccine
rs	Macaque Modeling of Antiretroviral Prophylaxis for HIV Prevention
_	Potential Role for Tissue Resident Memory T Cells in a Protective Vaccine Against HIV
	Abstract 8:Transmitted Drug Resistance to Integrase Based First-line HIV Antiretroviral Treatment in the MeditRes HIV Collaboration
cine	Abstract 9: PK and PD Relationships of Vaginally Applied Integrase Inhibitors in Macaques
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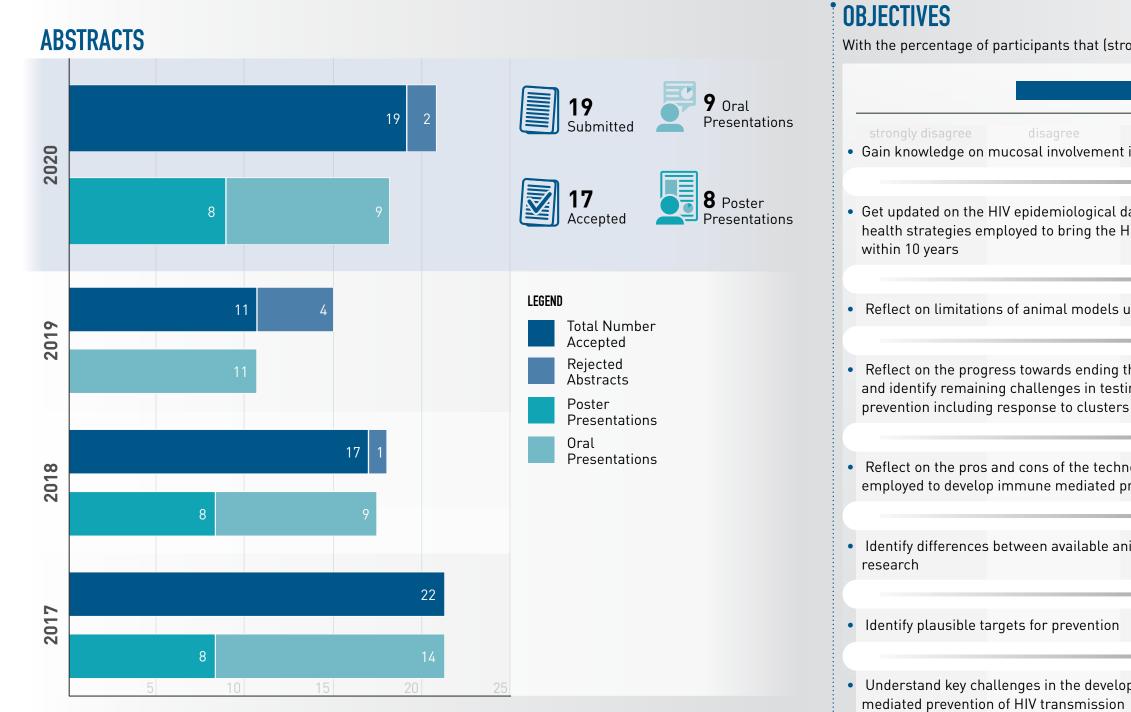
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WWW.ACADEMICMEDICALEDUCATION.COM

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PROSPECTUS INTERNATIONAL WORKSHOP ON HIV TRANSMISSION | 2021

CONTENT



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		94%	

OUR REACH

VIROLOGY EDUCATION

Since 1998, Virology Education has established itself as a leading provider of innovative scientific programs. The core of these internationally recognized meetings encompasses scientific discussion and knowledge sharing in the fields of infectious diseases, pharmacology, liver disease, and more, each with acute tailoring to the needs of healthcare professionals.

With the input of key opinion leaders in their respective areas of expertise, our live and online programs are known for their top-quality content with contemporary blends and delivery formats to enable discussion on the latest data.

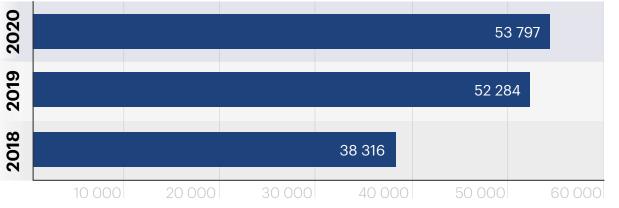
HIV TRANSMISSION 2020

Social Media Total Social Media Impressions	5.680
Newsletters	10.178
Subscribers	10.170

Top 3 Viewed Videos (YouTube)

- Introduction for Ending HIV Epidemic in the US: a Plan for America - John Brooks, MD
- Early Cellular Targets of HIV Infection Anthony Cunningham, AO, FAHMS, MD, FRACP, FRCPA
- Transmitted Drug Resistance to Integrase Based First-Line HIV Antiretroviral Treatment - F. Garcia

TOTAL NEWSLETTER SUBSCRIBERS



	Ð	Ø	in	C	Total
Total Social Impressions	92,925	2,851,147	1,022,971	1,075,722	5,042,765
Total Social Engagements	79,533 (reach)	9,814	-	50,678 (views) 4037.4 (watch time hours)	





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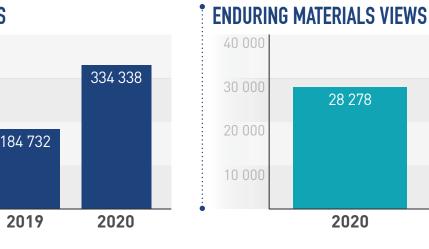
Continents 6

Countries **221**

Cities **14,648**

Top 10 Countries 2020

- 1. United States
- 2. Malaysia
- 3. United Kingdom
- 4. France
- 5. South Africa
- 6. India
- 7. Belgium
- 8. Netherlands
- 9. Philippines
- 10. Canada



SPONSOR OPPORTUNITIES

Hybrid workshops, such as the International Workshop on HIV Transmission, allow participants to experience our educational programs either in person or virtually and produces more opportunities for our supporters to interact with our audience. By supporting the International Workshop on HIV Transmission, you can connect with clinicians and researchers from academia, research institutes, and GOs/NGOs, both face-to-face and online. By merging in-person communication and virtual elements, the hybrid workshop format is an optimal solution in light of the current circumstances. We are pleased to provide the following opportunities and benefits to further your business. Get in touch with us to discuss a custom package or find out more about these support opportunities.

Sponsoring this program will give you the following benefits:

- REACH NEW AUDIENCES Gives you opportunities to network and share your company message with a broader audience via virtual or in-person participation
- PARICIPATE CONVENIENTLY Join and contribute to this educational initiative from home or in person
- MEET YOUR GOALS Interact with participants and organizations in your target audience from across the globe

Contribute to the program

- Opportunities to organize a symposium or event before, during, or after the workshop
- Complimentary attendance as a (virtual) participant and join in on discussions

Exhibition

- Opportunity to organize a virtual or physical exhibit
- Interact, chat, and share information through 1 on 1 conversations with participants using our virtual exhibition platform

Exposure

- Recognition via banner on high-traffic registration and workshop webpages
- Pre-event recognition via attendee email communications
- Acknowledgment prior to and during livestreamed sessions
- On-site recognition via banners, flyers, and in the program book
- Your logo on our monthly newsletters, delivered to thousands of opt-in subscribers
- Recognition on our social media channels
- Opportunities to produce video content embedded onto the workshop website to be viewed by our participants
- Logo recognition on (e-)conference bag
- Opportunity to organize a private dinner with workshop faculty

SCHOLARSHIPS

To make it possible for healthcare professionals from different regions, levels and backgrounds to be able to attend our workshops, we have developed a scholarship-based system through which we can independently support delegates. Through supporting our scholarship system, you and other pharmaceutical industry partners help us to ensure the selection of healthcare professionals that will most benefit from attending our workshops, and thereby guarantee a relevant audience and a higher impact of our workshops.

The scholarships are supported by the financial contributions allocated by our sponsors. A review committee of selected experts reviews scholarship applications in an independent and rigorous process. Priority is given to applicants who have actively participated in original research or scientific work that is being presented at the workshop and/or those who will profit most from participating in order to improve their daily clinical management.

The abovementioned items are subject to change. Please contact the conference secretariat for the full list of benefits for this program.



VIROLOGY EDUCATION

Since 1998, Virology Education has established itself as a leading provider of innovative scientific programs. The core of these internationally recognized meetings encompasses scientific discussion and knowledge sharing in the fields of infectious diseases, pharmacology, liver disease, and more, each with acute tailoring to the needs of healthcare professionals. With the input of key opinion leaders in their respective areas of expertise, our live and online programs are known for their top-quality content with contemporary blends and delivery formats to enable discussion on the latest data.

The International Workshop on HIV Transmission has made a significant contribution in shaping the research community that is committed to understanding molecular mechanisms underlying early events in HIV infection. The workshop has served as a premier platform for junior investigators to present their work, learn from and interact with senior inspirational leaders, and initiate collaborations with them. Since the inauguration of this workshop 15 years ago, we have driven the establishment of current leaders in the field. We are very proud of this achievement and look forward to continuing our mission to foster future generations of young investigators.

"SMALL, INTIMATE, ALLOWING INTERACTIONS BY PEOPLE INTERESTED IN A VERY FOCUSED AREA, HIGH QUALITY RESEARCH."

44 AN OPPORTUNITY TO PRESENT OR LEARN ABOUT THE **LATEST ADVANCES IN HIV TRANSMISSION RESEARCH** AND ITS RELEVANCE TO HIV PREVENTION."

CONTACT



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OUR IMPACT IN 2020

44 programs

14,070 participants

44% of participants were clinician/physicians

17% were researchers

11% were community representatives (NGO)

96% of the respondents agreed that attending our program increased their knowledge

88.3% of the respondents agreed that attending our program was beneficial for their patients

Prospectus Version: 05.02.2021

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