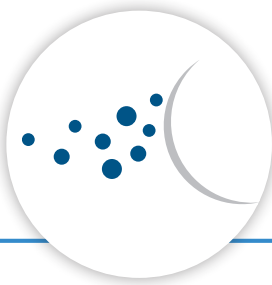


9TH INTERNATIONAL WORKSHOP ON

HIV TRANSMISSION

PRINCIPLES OF INTERVENTION

CAPE TOWN, SOUTH AFRICA • 25-26 OCTOBER 2014



INVITATION

PROGRAM COMMITTEE



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Eric Hunter, PhD

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Atlanta, GA, USA



**Carolyn Williamson, PhD -
guest chair 2014**

University of Cape Town
Cape Town, South Africa

MEETING OBJECTIVES

The main objective of this meeting is to provide a forum for basic scientists, clinicians, virologists, epidemiologists and public health officials to present and discuss the various aspects of the transmission of HIV. The ultimate goal of the meeting is the integration of efforts from all relevant disciplines in order to constrain the spread of (drug-resistant) HIV.

WORKSHOP TOPICS

- Modeling Transmission and Interruption by PrEP
- Factors affecting the bottleneck of Transmission
- Biology and Immunity of Early Transmission
- Sieving of Transmitted Viruses
- Changing Biology of Viral Phenotypes for Human and Cross-species Transmission

ABSTRACT SUBMISSION

Abstracts for the International HIV Transmission workshop may be co-submitted to the HIV Research for Prevention Meeting (HIV R4P) on 28-31 October 2014 in Cape Town, following the 9th International Workshop on HIV Transmission - Principles of Intervention. For more on this meeting, please visit: <http://hivr4p.org/>

Abstract submission deadline: 29 August 2014

Free registration for Young Investigators with accepted abstracts!

WORKSHOP SPONSORS

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Principal Supporter

Registration and information: www.virology-education.com



Preliminary Program

Saturday 25 October

12.00-14.00h Registration & lunch
14.00h Opening of the Workshop

Session 1 Modeling Transmission and Interruption by PrEP

14:15h **Next-generation PrEP in macaque models**
Gerardo García-Lerma, PhD - Centers for Disease Control and Prevention, USA

14:45h **Feasibility of PrEP in Africa**
Linda - Gail Bekker, MBChB, PhD - Desmond Tutu HIV Centre, South Africa (tbc)

15:15h Abstract driven presentations
15:45h Discussion

16:00h Coffee break

Session 2 Factors affecting the bottleneck of Transmission

16:30h **CD4+ T cell costimulation through $\alpha 4\beta 7$, the gut homing receptor, promotes viral replication**
James Arthos, PhD - National institute of Allergy and Infectious Diseases, USA

17:00h Abstract driven presentations

17:30h **Satellite slot**

18:30h **End of plenary sessions**

Sunday 26 October

Session 3 Biology and Immunity of Early Transmission

08:30h **The role of the transmitted virus in initiating a pathogenic state**
Eric Hunter, PhD - Emory University Atlanta, GA, USA

09:00h **Effect of environmental antigen exposure on the B cell repertoire to HIV envelope**
Larry Liao, MD, PhD - Duke Human Vaccine Institute, Durham, NC, USA

09:30h Abstract driven presentations

10:30h Coffee break & Poster viewing

Session 4 Sieving of Transmitted Viruses

11:30h **Invited lecture:**
Mario Roederer, PhD - Vaccine Research Center, NIAID, NIH, USA

12:00h **Utilizing NHP models to understand mucosal HIV transmission and dissemination**
Jake Estes, PhD - Frederick National Lab. for Cancer Research, USA

12:30h **Invited lecture:**
Cindy Derdeyn, PhD - Emory University Atlanta, GA, USA

13:00h Abstract

13:15h Lunch

Session 5 Abstract driven presentations

14:00-15:30h Abstract presentations

15:30h Coffee break

Session 6 Changing Biology of Viral Phenotypes for Human Cross-species transmission

16:00h Abstract presentations

17:00h Discussion

17:30h **End of plenary session**

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