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Conference Program [Print](#) | [View meeting in 12 hr \(am/pm\) time](#)

The meeting will begin on Monday, May 1 with registration from 16:00 to 20:00 and a welcome mixer from 18:00 to 20:00. Conference events conclude on Thursday, May 4 with a closing plenary session from 17:00 to 19:00, followed by a social hour and entertainment. We recommend return travel on Friday, May 5 in order to fully experience the meeting.

MONDAY, MAY 1

16:00–20:00	Arrival and Registration	Hotel Lobby
18:00–20:00	Welcome Mixer No registration fees are used to fund alcohol served at this function.	Music Room

TUESDAY, MAY 2

07:30–08:30	Breakfast	MacGregor Ballroom
08:30–09:30	Welcome and Keynote Address Meeting has ended...abstracts no longer viewable online. * Alan S. Perelson, Los Alamos National Laboratory, USA Robert F. Siliciano, Johns Hopkins University School of Medicine, USA <i>Modeling HIV Infection: Insights into Treatment and the Possibility of Cure</i>	Concert Hall
09:30–12:00	HIV - Barriers to a Cure Meeting has ended...abstracts no longer viewable online. * Alan S. Perelson, Los Alamos National Laboratory, USA Sharon R. Lewin, University of Melbourne, Australia <i>Optimizing Latency Reversal to Eliminate HIV Persistence on Antiretroviral Therapy</i> Coffee Break Alison L. Hill , Harvard University, USA <i>Modeling the Dynamics of HIV Latency, Rebound, and Control</i> Miles P. Davenport , University of New South Wales, Australia <i>The Dynamics of HIV / SIV Latency</i> John Michael Murray, University of New South Wales, Australia <i>Short Talk: Perturbations of the Latent Reservoir to Achieve a Functional Cure</i> Audrey Fahrny, University Hospital Zurich, Switzerland <i>Short Talk: A HIV-1 Persistence Humanized Mouse Model for the Characterization of HIV-1 Reservoir Cells</i>	Concert Hall
12:00–17:00	On Own for Lunch	
12:00–13:00	Poster Setup	MacGregor Ballroom
13:00–22:00	Poster Viewing	MacGregor Ballroom
14:30–16:30	Workshop 1: Modeling HIV Infection * Roland R. Regoes, Integrative Biology, ETH Zurich, Switzerland Catherine A.A. Beauchemin , Ryerson University, Canada <i>Duration of SHIV Production by Infected Cells Is Not Exponentially Distributed: Implications for Estimates of Infection Parameters and Antiviral Efficacy</i> Erwing F. Cardozo-Ojeda, Los Alamos National Laboratory, USA <i>Dynamics of HIV-1 in Chronically Infected Individuals during Therapy with Raltegravir</i> Stanca M. Ciupe, Virginia Tech, USA <i>The Role of Antibody during SIV Infections in Rhesus Macaques</i> Jason M. Hataye, National Institutes of Health, USA <i>Rebound Establishment of HIV Dependent on Burst Size Breakthrough of a Growth Threshold</i> Vincent Madelain , INSERM, France <i>Modeling Viral Kinetics Predicts a Rapid Establishment of the</i>	Concert Hall

Cytotoxic Immune Response Targeting Distinct Infected Cell Compartments in SIV Controller Macaques

Angie Raad, York University, Canada
A Mathematical Model Predicting Restored T Cell Homeostasis as a Major Contributor to the Decay in HIV Persistence

Daniel Reeves, Fred Hutchinson Cancer Research Center, USA
Long-Term Antiretroviral Therapy Shifts the Mechanism of HIV Persistence toward Proliferating Latently Infected Cells

Robin N. Thompson, University of Oxford, UK
Accounting for Donor Viral Diversity Gives High Estimates of the Number of HIV Founder Virions among Recipients

16:30–17:00	Coffee Available	Concert Hall
17:00–19:00	Modeling Cellular Immune Responses Meeting has ended...abstracts no longer viewable online.	Concert Hall
	* Phillip D. Hodgkin , Walter and Eliza Hall Institute of Medical Research, Australia	
	Andrew J. McMichael , Oxford University, UK <i>Cell-Mediated Immune Responses to HIV</i>	
	Rob J. De Boer , Utrecht University, Netherlands <i>Broad CD8 Immune Responses to HIV</i>	
	Becca Asquith , Imperial College London, UK <i>KIRs, CD8+ T Cell Dynamics and Control of Chronic Viral Infection</i>	
	Lydie Trautmann , US Military HIV Research Program, USA <i>Short Talk: Immune Cell Dynamics in Lymph Node and Blood during Acute HIV Infection</i>	
19:00–20:00	Social Hour with Lite Bites No registration fees are used to fund alcohol served at this function.	MacGregor Ballroom
19:30–22:00	Poster Session 1	MacGregor Ballroom

WEDNESDAY, MAY 3

07:30–08:30	Breakfast	MacGregor Ballroom
08:30–11:45	Spatial Aspects of Infection Meeting has ended...abstracts no longer viewable online.	Concert Hall
	* Rob J. De Boer , Utrecht University, Netherlands	
	Scott N. Mueller , University of Melbourne, Australia <i>Dissecting the Dynamics of Antiviral Immunity and the Lymphoid Tissue Microenvironment</i>	
	Joshua T. Schiffer , Fred Hutchinson Cancer Research Center, USA <i>Thresholds of Protection for Tissue-Resident T-Cells</i>	
	Coffee Break	
	Ruy M. Ribeiro , University of Lisbon, Portugal <i>Spatial Aspects of Hepatitis C Virus Infection</i>	
	Jean-Pierre LeVraud , Institut Pasteur, France <i>Short Talk: From Whole-Body Imaging to Whole-Body Modeling of Viral Infection in Zebrafish</i>	
	Richard Beck , Leiden Academic Centre for Drug Research, Netherlands <i>Short Talk: Direct T Cell-Mediated Killing of Solid Tumours Is Insufficient to Explain Tumor Regression</i>	
11:45–17:00	On Own for Lunch	
11:45–13:00	Poster Setup	MacGregor Ballroom
13:00–22:00	Poster Viewing	MacGregor Ballroom
16:30–17:00	Coffee Available	Concert Hall
17:00–19:00	Modeling Viral Infection Meeting has ended...abstracts no longer viewable online.	Concert Hall
	* Jane Heffernan , York University, Canada	
	Thomas Hofer , Deutsches Krebsforschungszentrum, Germany <i>Dengue Virus Spread and Innate Immune Response at the Single-</i>	

Cell Level

Narendra M. Dixit, Indian Institute of Science, India
Viral Infection and Subversion of the Interferon Response

Amber M. Smith, University of Tennessee Health Science Center, USA
Modeling the Lethal Synergism of Influenza A Virus and Pneumococcal Coinfection

Frederik Graw, Heidelberg University, Germany
Short Talk: Towards Understanding Malaria Pathogenesis and Efficient Experimental Vaccination

19:00–20:00	Social Hour with Lite Bites No registration fees are used to fund alcohol served at this function.	MacGregor Ballroom
19:30–22:00	Poster Session 2	MacGregor Ballroom

THURSDAY, MAY 4

07:30–08:30	Breakfast	MacGregor Ballroom
08:30–11:30	Using Big Data to Understand Viral Infection Meeting has ended...abstracts no longer viewable online.	Concert Hall
	* Lars Kaderali , University Medicine Greifswald, Germany	
	Thierry Mora , École Normale Supérieure, France <i>Analyzing High-Throughput Sequence Data to Understand Immune Repertoire Diversity and Affinity</i>	
	Steven H. Kleinstein , Yale University School of Medicine, USA <i>Systems Immunology of Influenza Infection and Vaccination</i>	
	Coffee Break	
	Katia Koelle , Duke University, USA <i>Capturing the Roles of Cellular Coinfection and Viral Complementation in the Within-Host Dynamics of Influenza</i>	
	Thomas B. Kepler , Boston University, USA <i>Affinity Maturation in Humans: Immunization, Analysis and Modeling</i>	
	Florian Rubelt , Stanford University, USA <i>Short Talk: Distinctive Differences in T Cell Receptor Repertoire and Cell Frequencies Are Evident in Individual Immune Responses</i>	
11:30–17:00	On Own for Lunch	
14:30–16:30	Workshop 2: Modeling Other Virus Infectious and Immune Responses	Concert Hall
	* Vitaly V. Ganusov , University of Tennessee, USA	
	Ruian Ke , North Carolina State University, USA <i>Modeling the Mechanistic Action and Predicting the Impact of an Immunotherapeutic DART® Molecule in HIV 'Shock and Kill' Strategies</i>	
	Wen-Han Yu , Massachusetts Institute of Technology, USA <i>Multivariate Modeling of Immunological Profilings from HIV Vaccine Trials Cross-Predicts Vaccine Protection and Infers the Underlying Mechanisms</i>	
	Nathanael Hoze , ETH Zurich, Switzerland <i>Quantitative Delineation of Antibody Composition from Polyclonal Plasmas</i>	
	Shingo Iwami , Kyushu University, Japan <i>Optimizing Drug Combinations against Hepatitis C Virus Infection in Pre-Clinical Setting</i>	
	Christopher Dächert , German Cancer Research Center - DKFZ, Germany <i>Understanding the Fight by Looking at the Soldiers - A Quantitative Systems Biology Approach to Analyze the Dynamic Host-Virus-Interactions by the Example of Hepatitis C Virus</i>	
	Laura Liao , Ryerson University, Canada <i>Counting Defective Interfering Particles: Easy as 1, 2, 3 ...?</i>	
	Katharine Best , Los Alamos National Laboratory, USA <i>Modeling Zika Plasma Viral Dynamics in Non-Human Primates: Insights into Viral Pathogenesis and Antiviral Strategies</i>	
	Sanket Rane , Columbia University, USA <i>Age Is Not Just A Number - Time Since Thymic Export Influences</i>	

Homeostatic Fitness and Drives the Accumulation of Veteran Naïve T Cells in Mice

16:30–17:00	Coffee Available	Concert Hall
17:00–18:45	<p>Modeling Immune Regulation Meeting has ended...abstracts no longer viewable online.</p> <p>* Sebastian L. Bonhoeffer, ETH-Zentrum, Switzerland</p> <p>Phillip D. Hodgkin, Walter and Eliza Hall Institute of Medical Research, Australia <i>Formation of Effector and Memory Cells</i></p> <p>Rustom Antia, Emory University, USA <i>How Does Prior Immunity Affect the Dynamics of Immune Responses to New Strains of Influenza?</i></p> <p>Alan S. Perelson, Los Alamos National Laboratory, USA <i>Modeling Antibodies and HIV Cure</i></p>	Concert Hall
18:45–19:00	<p>Meeting Wrap-Up: Outcomes and Future Directions (Organizers) Meeting has ended...abstracts no longer viewable online.</p>	Concert Hall
19:00–20:00	<p>Social Hour with Lite Bites No registration fees are used to fund alcohol served at this function.</p>	MacGregor Ballroom
20:00–23:00	<p>Entertainment Entertainment is not subsidized by conference registration fees nor any U.S. federal government grants. Funding for this expense is provided by other revenue sources.</p>	MacGregor Ballroom

FRIDAY, MAY 5

Departure

*Session Chair †Invited, not yet responded.

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