

Thursday

- 9:00 - 9:20am **Welcome Address**
- 9:20 - 10:00am **David Patrick:** *Mathematical Modeling: The View from Public Health Practice*
- 10:00 - 10:40am **Jan Medlock:** *Optimizing Influenza Vaccine Allocation*
- 10:40 - 11:10am Coffee Break
- 11:10 - 11:50am **Katia Koelle:** *The effect of vaccination on influenza's rate of antigenic drift*
- 11:50 - 1:00pm Lunch
- 1:00 - 1:40pm **Alan Perelson:** *Multiscale Modeling of Hepatitis C Virus Infection*
- 1:40 - 2:30pm **Free Discussion time**
- 2:30 - 3:00pm Coffee Break
- 3:05 - 3:30pm **Stanca Ciupe:** *Models of immune tolerance and activation in HBV infection*
- 3:30 - 4:10pm **Jane Heffernan:** *Vaccination Against Genital Herpes*
- 4:10 - 4:35pm **Joshua Schiffer:** *Rapid Localized Spread and Immunologic Containment Defines Herpes Simplex Virus-2 Reactivation in the Human Genital Tract*
- 4:30 - 4:45pm Break
- 4:45 - 5:30pm **Speed poster presentations (1 min, 1 slide)**
- 6:00 - 8:30pm **Reception and Poster Presentation**

Friday

- 9:00 - 9:40am **Rustom Antia:** *A cross-scale approach to determining measures of vaccine efficacy*
- 9:40 - 10:20am **Dennis Chao:** *Modeling mass vaccination and other interventions: An individual-based approach*
- 10:20 - 10:50am Coffee Break (ESB 5104)
- 10:50 - 11:30am **Elamin Elbasha:** *Modeling Hepatitis C Virus Transmission and treatment*
- 11:30 - 12:15pm **Focused discussion 1**
- 12:15 - 1:30pm Lunch
- 1:35 - 2:00pm **Libin Rong:** *CD8+ T cell-mediated killing of infected cells plays an essential role in the*
- 2:00 - 2:40pm **Jessica Conway:** *Stochastic modeling insights into early HIV infection*
- 2:40 - 3:10pm Coffee Break
- 3:10 - 3:50pm **Jamie K. Scott:** *Dynamics of the immune response to HIV infection and their implications for vaccine design*
- 3:50 - 4:30pm **David P. Wilson:** *Public Health Decision-Making in Global HIV/STIs*
- 4:30 - 4:45pm Break
- 4:45 - 5:45pm **Open Forum**

Saturday

- 9:00 - 9:40am **Timothy C Reluga:** Risk and Externalities of Adaptive Immune Systems
- 9:40 - 10:05am **Anuj Mubayi:** Combatting Neglected Disease Leishmaniasis in India: Identifying True Burden & Designing Efficient Control Policy
- 10:05 - 10:30am Coffee break
- 10:30 - 11:10am **Miles Davenport:** Using epidemiological data to understand within-host parasite dynamics of malaria infection.
- 11:10 - 11:45pm Focused discussion 3
- 11:45 - Noon Closing remarks & Poster awards