

**RAPIDD workshop on Generation and Maintenance of Immune Memory:
Immunological Models and Epidemiological Consequences**

Agenda

The workshop's first morning will be devoted to short talks on immune memory from the immunological and epidemiological perspectives. Following this, we will spend the first afternoon and the beginning of the second day examining lessons learned from vaccines and from studies of paradigmatic infections (influenza, measles, LCMV, pertussis). This will be followed by discussions on the mechanistic basis of immune memory and a discussion of what we can learn from persistent infections. We will wrap up with a forward-looking discussion of avenues for further progress and collaborations.

Monday March 7, 2011	
Plenary Session (Pelton Auditorium)	
9:00am	Introductory remarks
9:10	Aaron King : Epidemiological models with memory
9:45	Mark Slifka: Immunological Memory to Viruses and Vaccines
10:20	Sue Kaech: Immunological Memories--Remembrance of things past
10:55	<i>Break</i>
11:10	Alan Perelson: Control of size and diversity of lymphocyte populations
11:45	Diane Griffin: Measles
12:20	Ending remarks
1:00 pm	<i>Lunch Break (1616 Eastlake)</i>
Symposium Sessions (Orca Room, 1616 Eastlake E., LE 4203/4211)	
Perspective on the problems: what have we learned from trying to make vaccines to current infections?	
2:00	Ira Longini (Vaccine efficacy)
2:30	Steve Self
3:00	Discussion
3:30pm	<i>Break</i>
Acute infections with long-lasting immunity - discussion on measles and LCMV	
3:45	Bryan Grenfell/Diane Griffin (virology/epidemiology)
4:15	Mark Slifka/Sue Kaech (immunology)
4:45	Discussion
6:00pm	<i>Reception (Hutch Atrium)</i>
6:30pm	<i>Dinner (Hutch Atrium)</i>
Tuesday March 8, 2011	
Immunological aspects of long-term memory	
9:00am	Martin Prilic (T cell memory - between endless youth and senescence)
9:30	Rustom Antia (Modeling immunological memory)
10:00	Joseph Blattman (Vaccination-induced pathology)
10:30	Discussion
10:45am	<i>Break</i>
Acute infections with waning immunity - influenza	
11:00	Andreas Handel (Modeling influenza infections)
11:30	Beth Kochin (One the roles of resource limitation and innate immunity in the control of infections)

11:45	Will Ince
12:00pm	<i>Lunch</i>
Acute infections with waning immunity - pertussis	
1:30	Jennie Lavine
1:50	Discussion on waning immunity
2:15pm	<i>Break</i>
Persistent infections	
2:30pm	Josh Schiffer (Immunity to HSV)
3:00	Mary Poss
Closing	
3:30	Discussion and summing up

Participants

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