

Why do we not yet have an HIV vaccine?

May 29-30, 2008

Bloomberg Lecture Hall
Institute for Advanced Study, Princeton, New Jersey

Hosted by:

The Simons Center for Systems Biology
and
International AIDS Vaccine Initiative

With additional generous support from Merck & Co.

CONFERENCE SCHEDULE

Thursday, May 29, 2008

- 8:10 a.m. - 8:40 a.m.** CONTINENTAL BREAKFAST AVAILABLE
Bloomberg Hall Biology Atrium
- 8:40 a.m. - 8:45 a.m.** Arnold J. Levine, Institute for Advanced Study
- 8:45 a.m. - 8:50 a.m.** Seth Berkley, International AIDS Vaccine Initiative
- 8:50 a.m. - 9:00 a.m.** Adel A. F. Mahmoud, Princeton University
Chair & Introduction

Vaccines & Immunology

- 9:00 a.m. - 9:30 a.m.** Anthony S. Fauci, National Institutes of Health
HIV Vaccinology: An Historical Perspective and a Fresh Look
- 9:30 a.m. - 10:00 a.m.** Peter S. Kim, Merck Research Laboratories
A Perspective on HIV Vaccine Research
- 10:00 a.m. - 10:30 a.m.** John W. Shiver, Merck Research Laboratories
Merck's HIV-1 Vaccine: How Well Did the STEP Trial Test the CMI Hypothesis for a Prophylactic Vaccine?
- 10:30 a.m. - 11:00 a.m.** Bruce D. Walker, Massachusetts General Hospital,
Harvard Medical School & HHMI
Durable Control of HIV Replication
- 11:00 a.m. - 11:20 a.m.** COFFEE/TEA DISCUSSION BREAK
Bloomberg Hall Biology Atrium

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- 11:20 a.m. - 12:00 p.m.** **David Baltimore, California Institute of Technology**
A Different Approach
- 12:00 p.m. - 12:30 p.m.** **Philip R. Johnson, The Children's Hospital of Philadelphia
& University of Pennsylvania School of Medicine**
*Reverse Immunization: A Novel Model for In Vivo SIV
Neutralization*
- 12:30 p.m. - 2:00 p.m.** **LUNCH** - Available in Institute Dining Hall

Vaccines & Immunology (con't)

- 2:00 p.m. - 2:45 p.m.** **Alexander Y. Rudensky, University of Washington**
Regulatory T cells in Autoimmunity and Infection
- 2:45 p.m. - 3:15 p.m.** **Rino Rappuoli, Novartis Vaccines & Diagnostics,
Siena, Italy**
Knowledge and Knowledge Gaps
- 3:15 p.m. - 3:45 p.m.** **TEA** - Available in Fuld Hall Common Room
- 3:45 p.m. - 4:30 p.m.** **Ruslan Medzhitov, Yale University School of Medicine &
HHMI**
Innate Control of Adaptive Immunity

PANEL I – Vaccines

- 4:45 p.m. - 6:15 p.m.** **Adel A. F. Mahmoud, Princeton University - Chair**
Alan Bernstein, Global HIV Vaccine Enterprise
Dennis R. Burton, The Scripps Research Institute
Mark B. Feinberg, Merck & Co., Inc.
Wayne C. Koff, International AIDS Vaccine Initiative
Rino Rappuoli, Novartis Vaccines & Diagnostics

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8:10 a.m. - 8:45 a.m. **CONTINENTAL BREAKFAST AVAILABLE**
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Ecology and Natural History of the Virus

8:45 a.m. - 9:15 a.m. **Angela McLean, University of Oxford**
How Effective are CTL's in HIV and SIV Infections

9:15 a.m. - 9:45 a.m. **Neal Nathanson, University of Pennsylvania School of Medicine**
Nonhuman Primates: Partners in AIDS Vaccine Research

9:45 a.m. - 10:30 a.m. **Malcolm A. Martin, National Institute of Allergy and Infectious Diseases, National Institutes of Health**
A Protective HIV Vaccine Must Effectively Control the Acute Virus Infection

10:30 a.m. - 11:15 a.m. **Stephen P. Goff, College of Physicians and Surgeons, Columbia University & HHMI**
Virus Restriction Factors and Innate Immunity: ZAP and TRIM

11:15 a.m. - 11:30 a.m. **COFFEE/TEA DISCUSSION BREAK**
Bloomberg Hall Biology Atrium

11:30 a.m. - 12:00 p.m. **Harlan Robins, Fred Hutchinson Cancer Research Center**
Exploring the Diversity of the T-cell Repertoire

PANEL II - Where Do We Go From Here?

12:00 p.m. - 1:00 p.m. **Donald E. Ganem, UC San Francisco - Chair**
Michael Krasnitz, Institute for Advanced Study
Joshua B. Plotkin, University of Pennsylvania
Raúl Rabadán, Institute for Advanced Study

1:00 p.m. - 2:30 p.m. **LUNCH** - Available in Institute Dining Hall

2:30 p.m. - 3:30 p.m. **Wrap Up Session – Future Directions**
Biology Conference Room (BH 113)

End of Program