

*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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## Friday, May 30, 2008

8:10 a.m. - 8:45 a.m. **CONTINENTAL BREAKFAST AVAILABLE**  
Bloomberg Hall Biology Atrium

## 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**