

THE NATIONAL ACADEMIES
Advisers to the Nation on Science, Engineering, and Medicine

**Issues Raised, Lessons Learned, and Paths Forward for Dual-Use
Research in the Life Sciences: The H5N1 Research Controversy**

A Workshop

National Academy of Sciences' Committee on Science, Technology, and Law

National Academy of Sciences' Board on Life Sciences

Institute of Medicine's Forum on Microbial Threats

20 F Street, NW Conference Center
Washington, DC 20001

Agenda

Tuesday, May 1, 2012

8:00 Continental Breakfast

8:30 Welcome: Harvey Fineberg, Institute of Medicine

8:35 Opening Remarks: Workshop Planning Committee Co-Chairs

David Relman, Stanford University
David Korn, Harvard University

8:40 Session 1: The Ongoing Revolution in the Life Sciences and Associated Technologies

Moderator: David Baltimore, California Institute of Technology

Speaker: Roger Brent, Fred Hutchinson Cancer Research Center
Background Reading: "[In the Valley of the Shadow of Death](#)"

Commentators:

Lawrence D. Kerr, National Counterproliferation Center, Office of the Director
of National Intelligence
Joe Palca, National Public Radio

9:30 *Discussion with Participants*

10:00 Break

10:15 Session 2: Two Case Studies from Conceptualization to Dissemination of Findings with Consideration of Plausible Points of Intervention and Decision-Making

Moderator: Alice Huang, California Institute of Technology

Speakers: 1918 Spanish Flu Reconstruction: Jeffrey K. Taubenberger, National Institute of Allergy and Infectious Diseases, National Institutes of Health
H5N1 Avian Influenza: Robert G. Webster, St. Jude Children's Research Hospital

11:15 *Discussion with Participants*

12:00 Lunch

1:15 Session 3: Roundtable Discussion on the Nature of the Social Contract

Moderator: Harold T. Shapiro, Princeton University

Speakers: Ruth L. Berkelman, Emory University
Christopher Chyba, Princeton University
Robert Cook-Deegan, Duke University
Gregory E. Kaebnick, The Hastings Center
Daniel J. Kevles, Yale University
Carl Zimmer, Frequent Contributor, *The New York Times*

2:15 *Discussion with Participants*

3:00 Break

3:15 Session 4: Roundtable Discussion on Governance, Oversight, and the Path Forward

Moderator: Lawrence O. Gostin, Georgetown University

Speakers: Ann Arvin, Stanford University
Anthony S. Fauci, National Institute of Allergy and Infectious Diseases, National Institutes of Health
David Franz, United States Army Medical Research Institute for Infectious Diseases (retired)
David Heymann, U.K. Health Protection Agency
Piers Millet, United Nations Office for Disarmament Affairs' Implementation Support Unit

4:15 *Discussion with Participants*

5:00 Wrap-Up: Workshop Planning Committee Co-Chairs

David Korn, Harvard University
David Relman, Stanford University

5:15 Adjourn