

**Twenty-Eighth Annual AAAS COLLOQUIUM ON
SCIENCE AND TECHNOLOGY POLICY**

April 10-11, 2003

The Washington Plaza Hotel Washington, DC

PRELIMINARY PROGRAM

[All speakers listed are confirmed unless otherwise noted.]

Thursday, April 10

- 8:00 a.m. Registration Opens
- 9:00 **Welcome:** Floyd E. Bloom, Chairman and Professor, Department of Neuropharmacology,
The Scripps Research Institute; and Chair, AAAS Board of Directors
- 9:15 **Keynote Address:** John H. Marburger, III, Director, White House Office of Science and Technology Policy
- 10:00 **BUDGETARY AND POLICY CONTEXT FOR R&D IN FY 2004 (Plenary Session)**
Moderator: Susan E. Cozzens, Chair, School of Public Policy, Georgia Institute of Technology; and Chair, AAAS Committee on Science, Engineering and Public Policy
- AAAS Overview of Federal Budget Proposals for R&D in FY 2004
Kei Koizumi, Director, R&D Budget and Policy Program, AAAS
 - The Five Wars of Globalization
Moisés Naím, Editor, *Foreign Policy Magazine*
 - National Science and Technology Priorities and Academic Institutions
Karen A. Holbrook, President, The Ohio State University
 - The NIH Vision
Elias A. Zerhouni, Director, National Institutes of Health
- 12:00 Noon **Luncheon**
Presiding: Alan I. Leshner, Chief Executive Officer, AAAS
Address: Richard D. Klausner, Executive Director, Global Health, The Bill and Melinda Gates Foundation
- 2:00 p.m. **MAJOR ISSUES IN SCIENCE AND TECHNOLOGY POLICY (Concurrent Sessions)**
- (A) **Universities and Their Aspirations: How Much Excellence Can We Afford?**

Institutional strategies for research competitiveness • Barriers and practical difficulties to moving up • Systemic effects: How can every university be in the Top 50? • Effects on graduate education • National policies affecting distribution of research funds

Moderator: Robert E. Barnhill, Vice Chancellor for Research and Public Service, University of Kansas; and Member, AAAS Committee on Science, Engineering and Public Policy

- An Overview of Current National Trends
Irwin Feller, Senior Visiting Scientist, AAAS; Professor Emeritus of Economics, Pennsylvania State University
- The Growing Research Competitiveness of U.S. Universities: Strategies for Moving Up
Lydia Villa-Komaroff, Vice President for Research and Chief Operating Officer, Whitehead Institute for Biomedical Research; and Member, AAAS Board of Directors
- The Moving Target: Actions by “Established” Universities
David Ward, President, American Council on Education
- The Effects on Graduate Education
Debra W. Stewart, President, Council of Graduate Schools
- The Realities of Distributing Federal R&D Funds
Dan Pearson, Minority Professional Staff Member, House Committee on Science

(B) The Internationalizing of Science and Technology: Implications for Policy

The increasing globalization of S&T • International flows of S&T talent • Cross-national industrial R&D programs • Biotech challenges from other nations • Regional S&T collaboration

Moderator: Kerri-Ann Jones, Director, International Programs Division, National Science Foundation

- The New World of Science and Technology
John Dodds, Founder, Dodds and Associates
- International Flows of Scientific Talent from a University Viewpoint
Joan F. Lorden, Associate Provost for Research, and Dean, The Graduate School, University of Alabama at Birmingham; and Council of Graduate Schools Dean-in-Residence, National Science Foundation
- Industry R&D Siting Decisions: The Worldwide Arena
Karin Bartels, Executive Director, Corporate Innovation Management, Degussa-Huls Corporation
- Challenges From Other Nations in Biotechnology
Judith A. Chambers, President, Emerging Market Solutions
- The Sixth Framework Programme as a Reflection of a More Integrated Europe
Alessandro Damiani, Minister-Counselor, Head of Science, Technology and Education, Delegation of the European Commission

(C) Developments in Homeland Security and S&T

Structure and plans for the Department of Homeland Security • Other agencies' roles in counter-terrorism R&D • Congressional perspectives on S&T in homeland security • Technology applications for security and the concerns they raise • Restrictions on foreign students and on the conduct and dissemination of S&T

Moderator: Jane A. Alexander, Executive Director of Science and Technology, Office of Naval Research, U.S. Department of Defense; and Member, AAAS Committee on Science, Engineering and Public Policy

- Congressional Views of S&T's Role in Homeland Security
William Bonvillian, Legislative Director, Office of Senator Joseph I. Lieberman (CT)
- The DHS's Structure and Plans for Science and Technology
Lawrence D. Kerr, Assistant Director for Homeland Security, White House Office of Science and Technology Policy
- The Contributions of Other Federal Agencies to Biodefense R&D
John Y. Killen, M.D., Assistant Director for Biodefense Research, National Institute of Allergy and Infectious Diseases, National Institutes of Health
- Design of the Total Information Awareness Project
Robert L. Popp, Deputy Director, Information Awareness Office, Defense Advanced Research Projects Agency, U.S. Department of Defense
- Restrictions on the Practice and Dissemination of S&T and on Foreign Students/Scientists
John C. Crowley, Vice President for Federal Relations, Massachusetts Institute of Technology

5:00 **Coffee Break**

5:45 **The William D. Carey Lecture (public invited)**

Presiding: Alan I. Leshner, Chief Executive Officer, AAAS

Address: "Standing on the Knife Edge: The Leadership Imperative"
Shirley Ann Jackson, President, Rensselaer Polytechnic Institute; and President-Elect,
AAAS

6:45 **Reception**

Friday, April 11

7:45 a.m. **Breakfast**

Presiding: To be announced
Address: Speaker to be announced

9:00 **WHO OWNS SCIENCE? ISSUES OF INTELLECTUAL PROPERTY (Plenary Session)**

Are IP laws fulfilling their public purpose? • Effects of the Bayh-Dole Law • “Research exemption” cases • Is the “knowledge commons” shrinking? • Effects of IPR in the international arena

Moderator: Reid G. Adler, General Counsel, J. Craig Venter Science Foundation; and Member, AAAS Committee on Science, Engineering and Public Policy

• Introduction

Reid G. Adler

• Ownership of and Access to Science and Technology, from Universities’ Perspectives

Robert P. Charrow, Partner, Greenberg Traurig LLP

Carl E. Gulbrandsen, Managing Director, Wisconsin Alumni Research Foundation

• Perspectives from Genomics Technology as a Case Study

Edward T. Lentz, Patent Attorney, Oneonta, New York

Mildred Cho, Co-Director, Center for Biomedical Ethics, Stanford University

• Outstanding Policy and Legislative Issues

Joseph P. Allen, President, Robert C. Byrd National Technology Transfer Center

Marie Thursby, Director, Technology and Innovation Program, The Dupree College of Management, Georgia Institute of Technology

12:00 Noon

Luncheon

Presiding: Lewis M. Branscomb, Professor *Emeritus*, John F. Kennedy School of Government, Harvard University

Address: Charles A. McQueary, Under Secretary for Science and Technology, U.S. Department of Homeland Security

1:45 p.m.

REGULATING THE NEW BIOLOGY: CLONING AND BIOETHICS (Plenary Session)

Reproductive and research cloning • Human embryonic stem cell research • Political considerations • Ethics and public policy

Moderator: Albert H. Teich, Director, Science and Policy Programs, AAAS

Speakers:

Eric Cohen, Resident Scholar, Ethics and Public Policy Center; and consultant, President’s Council on Bioethics

R. Alta Charo, Professor of Law and Bioethics, Schools of Law and Medicine; Associate Dean for Research and Faculty Development, Law School; University of Wisconsin

Kathy Hudson, Director, Genetics and Public Policy Center, Johns Hopkins University, Washington, DC

3:30 p.m.

Adjournment

4/1/03