

The National Academies of
SCIENCES • ENGINEERING • MEDICINE
Innovation Policy Forum

**Workshop on Government Decision-Making to
Allocate Scientific Resources**

January 8-9, 2018

National Academies Keck Center
Room 100
500 Fifth Street, NW
Washington, DC

AGENDA

Monday, January 8, 2018

9:00 AM **Welcome:** *David Hart, co-chair, Innovation Policy Forum*

9:10 AM **Panel I: Scientific Labor Force**

Moderator: *William Bonvillian, Massachusetts Institute of Technology*

**A Research Agenda for Science of Broadening Participation: STEM Employment of
Individuals with Disabilities**

*Kaye Husbands Fealing, Georgia Institute of Technology, Paul Manuel Aviles Baker, Georgia Institute of
Technology, Connie L. McNeely, George Mason University, and Andrew Hanus, Georgia Institute of
Technology*

Student Visa Policy and the Scientific Workforce

Sarah Turner, University of Virginia

Efforts to Improve Non-Academic Career Outcomes among University Postdocs

*Marla Parker, California State University-Los Angeles, and Christopher Hayter, Arizona State
University*

10:40 AM Coffee Break

11:00 AM **Panel II: Interdisciplinary Research**

Moderator: *Jerry Lee, National Cancer Institute, National Institutes of Health*

Infrastructure for Interdisciplinarity

Erin Leabey, University of Arizona

Authors in italics will be attending the workshop.

Funding Team Science

Jonathon Cummings, Duke University

Groundwater Security Under Drought: Synthesis and Analysis of Information, and Recommendations to Address Knowledge Gaps

Amanda Fenzl, University of California-Davis, Ruth Langridge, University of California-Santa Cruz, and Linda Esteli Barrientos, University of California-Davis

12:30 PM **Working Lunch: Small Group Discussions**

1:30 PM **Panel III: Innovation**

Moderator: *William Colglazier, American Association for the Advancement of Science (AAAS)*

Regulation, Deregulation, and Technological Innovation

David Hart, George Mason University

The Use of Innovation Prizes in Government

Luciano Kay, University of California-Santa Barbara

Manufacturing Location & Technology Changes: Implications for Innovation and the Nature of Work

Kate Whitefoot, Christophe Combemale, and Erica Fuchs, Carnegie Mellon University

The Effects of Patents on Innovation, Diffusion, and Access

Bhaven Sampat, Columbia University (remote access)

3:15 PM Coffee Break

3:30 PM **Panel IV: Improving Policy Making**

Moderator: *Rebecca Keiser, National Science Foundation*

Advising the President on Science Policy and the Role of the President's Council of Advisors on Science and Technology

Kenneth M. Evans and Kirstin R.W. Matthews, Rice University

New Directions for Impact

J. Britt Holbrook, New Jersey Institute of Technology, and Robert Frodeman, University of North Texas

Facilitating the Use of Evidence in Science Policy Making

Kimberley Isett, Georgia Institute of Technology, and Diana Hicks, Georgia Institute of Technology

5:00 PM **Key Messages from Today's Meeting**

Deborah Stine, Carnegie Mellon University

Maryann Feldman, University of North Carolina at Chapel Hill

5:30 PM **Adjourn Day 1**

Authors in italics will be attending the workshop.

Tuesday, January 9

- 9:00 AM **Panel V: Entrepreneurship**
- Moderator: *Gary Anderson, National Science Foundation*
- Government Brokerage of Innovation Networks**
Andrew Schrank, Brown University, and Joshua Whitford, Columbia University
- Employee Non-compete Agreements**
Matthew Marx, Boston University
- 10:15 AM Coffee Break
- 10:30 AM **Panel VI: Big Science and Big Infrastructure Projects versus Small Projects in Portfolios**
- Moderator: *Troy Scott, RTI International*
- Institutional Innovation to Close the Infrastructure Knowledge-Action Gap**
Christine Kirchhoff, University of Connecticut, John Katzenberger, Aspen Global Change Institute, and James Arnott, Aspen Global Change Institute and University of Michigan
- The Use of Research Portfolios in Science Policy**
Nicholas Vonortas, George Washington University, and Ismael Rafols, Valencia Polytechnic University and Sussex University
- 12:00 PM **Key Takeaways from this Workshop**
Deborah Stine, Carnegie Mellon University
Maryann Feldman, University of North Carolina at Chapel Hill
- 12:30 PM **Adjourn Day 2**