

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

Board on Science Education
Division of Behavioral and Social Sciences and Education

Agenda

Graduate Training in the Social and Behavioral Sciences: A Workshop

Lecture Room, NAS Building
2101 Constitution Ave NW
Washington, DC 20418

DAY 1: Thursday, June 8th

- 8:00 *Registration, Breakfast and coffee*
- 9:00 **Welcome and Workshop Overview**
Heidi Schweingruber, Director, Board on Science Education
Robert Kaplan (Chair), Research Director, Clinical Excellence Research Center, Stanford University
- 9:15 **Plenary Speaker: *The Future of Graduate Training in the Social and Behavioral Sciences***
Alan Leshner, Chief Executive Officer Emeritus of the AAAS
- 10:00 **Framing Presentation: *Pipelines and Pathways for SBE Doctoral Recipients: PhD Production and Employment Patterns***
Fay Lomax Cook, Assistant Director, National Science Foundation; Director, Social, Behavioral & Economic Sciences Directorate, National Science Foundation
Robert Kaplan (Chair), Research Director, Clinical Excellence Research Center, Stanford University
- 10:45 **Interactive Break**
Using index cards write down some goals for revamping graduate programs
- 11:00 **Panel Discussion: *Reflections from Recent Doctoral Candidates***
Moderator: *Chris Chapman, Quantitative Experience Researcher, Google*
- Panelists:
- *Justin Hepler, Quantitative UX Researcher, Facebook*
 - *Fred Leach, Director, Marketing Science, Research & Development, Facebook*
 - *Dmitry Tumin, Director of Research, Department of Anesthesiology and Pain Medicine, Nationwide Children's Hospital; Adjunct Assistant Professor, Department of Pediatrics, The Ohio State University*
 - *Megan Walsh, Associate Manager, TV Panel Behavioral Methods Data Science, Nielsen*

12:00

Lunch

1:00

Breakout Session: *Brainstorm Solutions to Key Issues*

- Group 1: Interdisciplinary training
(Facilitator: Ellen Konar, *Chairman of the Board of Mindset Works*)
- Group 2: Statistical literacy
(Facilitator: Amanda Bayer, *Visiting Senior Advisor, Board of Governors of the Federal Reserve System; Professor of Economics, Swarthmore College*)
- Group 3: Methodological literacy
(Facilitator: Rachel Dwyer, *Associate Professor and Director of Graduate Studies, The Ohio State University*)
- Group 4: Team Science
(Facilitator: Kara Hall, *Director, Science of Team Science; Director, Theories Initiative, NIH*)
- Group 5: Preparation for non-university employment
(Facilitator: Peter Zandan, *Global Vice Chairman, Research+Data Insights*)

2:30

Panel Discussion: *Perspectives on the Future of Graduate Training from Academic Leaders*

Moderator: Amanda Bayer, *Visiting Senior Advisor, Board of Governors of the Federal Reserve System; Professor of Economics, Swarthmore College*

Panelists:

- Daniel Denecke, *Vice President, Best Practices and Strategic Initiatives, Council of Graduate Schools*
- Nicholas Dirks, *Chancellor, University of California, Berkeley*
- Chase Robinson, *President and Distinguished Professor of History, The Graduate Center of the City University of New York*
- Mark Wallace, *Dean of the Graduate School, Louise B. McGavock Endowed Chair, Professor of Hearing & Speech Sciences, Psychology and Psychiatry, Vanderbilt University*

3:30

Interactive Break

Using index cards identify ways that programs could be innovative in tackling issues of inequality

3:45

Panel Discussion: *Preparation for Careers across Sectors*

Moderator: Ellen Konar, *Chairman of the Board of Mindset Works*

Panelists:

- Hal Varian, *Chief Economist, Google*
- David Yokum, *Director, The Lab @ DC; Senior Policy Advisor, Office of the City Administrator, Government of the District of Columbia*
- Rachel Kleinfeld (virtually), *Senior Fellow, Democracy and Rule of Law Program, Carnegie Endowment for International Peace*

4:45 **Open Discussion:** *What should be the priorities for funding? How can public and private agencies assure the development of the next generation of well-prepared behavioral and social scientists?*

Facilitator: Robert Kaplan (Chair), *Research Director, Clinical Excellence Research Center, Stanford University*

5:15 **Wrap up and Major Messages Summary**

Robert Kaplan (Chair), *Research Director, Clinical Excellence Research Center, Stanford University*

5:30 **Adjourn**

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DAY 2: Friday, June 9th

- 8:30 *Breakfast and coffee available*
- 9:00 **Welcome, Day 1 Overview, and Preview of Day 2**
Robert Kaplan (Chair), *Research Director, Clinical Excellence Research Center, Stanford University*
- 9:15 **Outcomes from Interactive Breaks: Goals for Graduate Programs and Innovative Solutions to Address Inequality**
Discussant: Amanda Bayer, *Visiting Senior Advisor, Board of Governors of the Federal Reserve System; Professor of Economics, Swarthmore College*
- 9:30 **Panel discussion: Preparation for Available Pathways and Trajectories**
Moderator: Rachel Dwyer, *Associate Professor and Director of Graduate Studies, The Ohio State University*
- Panelists:
- Nancy Cooke, *Professor and Program Chair, Human Systems Engineering, Arizona State University*
 - Carol Fierke, *Dean of Rackham Graduate School; Vice Provost for Academic Affairs, University of Michigan, Ann Arbor*
 - John Jackson, Jr., *Richard Perry University Professor; Dean, School of Social Policy & Practice (SP2), University of Pennsylvania*
 - Arthur 'Skip' Lupia, *Research Professor, Center for Political Studies; Hal R. Varian Professor, Department of Political Science, University of Michigan*
 - Keith Whitfield, *Provost, Wayne State University*
- 11:00 **Coffee Break**

- 11:15 **Panel Discussion: *Data Analytics and the Social/Behavioral Science Professional***
Moderator: Peter Zandan, *Global Vice Chairman, Research+Data Insights*
- Panelists:
- Christopher Bail, *Douglas and Ellen Lowey Associate Professor of Sociology and Public Policy, Duke University*
 - Michelle Gill (virtually), *Senior Data Scientist, Metis*
 - Sehreen Noor Ali, *VP of Business Development & Corporate Partnerships, Metis*
 - William Riley, *Associate Director, Behavioral and Social Sciences Research; Director, Office of Behavioral and Social Sciences Research, National Institutes of Health*
- 12:00 **Lunch**
- 1:00 **Report out from Day 1 Breakout Groups**
One member from each group report back main bullet points followed by open discussion
- 1:30 **Open Discussion: *What should the curriculum of the future look like? Imagine it is 2025, is current curriculum the right one? What does the curriculum need to look like for 2031?***
Facilitator: Ellen Konar, *Chairman of the Board of Mindset Works*
- 2:15 **Reflections from Sponsoring Agencies**
Facilitator: Robert Kaplan (Chair), *Research Director, Clinical Excellence Research Center, Stanford University*
- Fay Lomax Cook, *Assistant Director, National Science Foundation; Director, Social, Behavioral & Economic Sciences Directorate, National Science Foundation*
 - William Riley, *Associate Director, Behavioral and Social Sciences Research; Director, Office of Behavioral and Social Sciences Research, National Institutes of Health*
 - William Klein, *Associate Director, Behavioral Research Program, Division of Cancer Control and Population Sciences, National Cancer Institute*
- 2:45 **Wrap up Major Messages**
Robert Kaplan (Chair), *Research Director, Clinical Excellence Research Center, Stanford University*
- 3:00 **Adjourn**