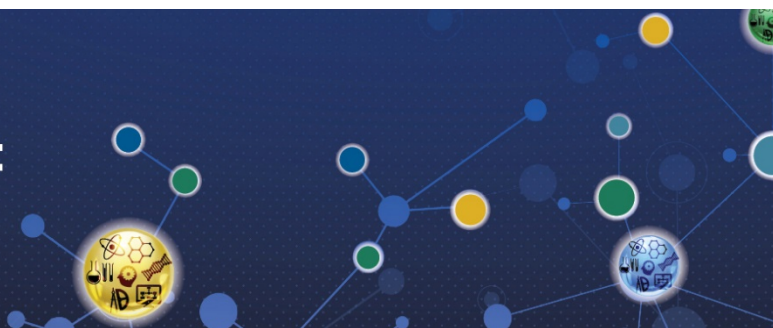


Reproducibility and Replicability in Science: Next Steps Symposium



September 24, 2019
National Academy of Sciences Building
Lecture Room
2101 Constitution Ave. NW, Washington, DC 20418

All Times Are Eastern Time Zone

8:30 AM Coffee and Light Breakfast available outside of the Lecture Room

9:00 AM Call to Order

*Harvey V. Fineberg, Symposium chair**
Chair of the Reproducibility and Replicability in Science study
President of the Gordon and Betty Moore Foundation

Welcome

Marcia McNutt
President, National Academy of Sciences

9:15 AM Panel 1: Actions and Responsibilities of Agencies and Scientific Leaders to Promote Confidence in Scientific Results, 90 minutes

Moderator: Daniel L. Goroff, Vice President and Program Director, Alfred P. Sloan Foundation

Panelists:

France A. Córdova, Director, National Science Foundation (NSF)
Kelvin K. Droegemeier, Director, White House Office of Science and Technology Policy
Richard Gallagher, President and Editor-in-Chief, Annual Reviews
Michael Lauer, Deputy Director for Extramural Research at the National Institutes of Health

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10:45 AM Break

11:00 AM Panel 2: Replicability: What It Means to Replicate a Study, 90 minutes

Moderator: Xiao-Li Meng, Whipple V. N. Jones Professor of Statistics, Harvard

Panelists:

*David Donoho, Anne T. and Robert M. Bass Professor of Humanities and Sciences
Professor of Statistics, Stanford University*

*Constantine A. Gatsonis, Henry Ledyard Goddard University Professor, Department of
Biostatistics, Brown University School of Public Health**

*Victoria Stodden, Associate Professor, University of Illinois at Urbana-Champaign*¹*

Ronald L. Wasserstein, Executive Director of the American Statistical Association

12:30 PM LUNCH – boxed lunches available

1:30 PM Call to Order

Harvey V. Fineberg

**Panel 3: Reproducibility: What Is Needed to Enable Computational
Reproducibility? 90 minutes**

*Moderator: Lorena A. Barba, Associate Professor, The George Washington University**

Panelists:

*Juliana Freire, Computer Science and Engineering and Data Science, New York
University**

C. Suzanne (Suzi) Iacono, Head of the Office of Integrative Activities (OIA), NSF

*Brian Nosek, Professor, University of Virginia and Co-founder and Executive Director,
Center for Open Science*

*Karthik Ram, Senior Data Scientist, Berkeley Institute for Data Science, and Project Lead,
rOpenSci*

3:00 PM Break

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3:15 PM Panel 4: Moving Forward on Improving Science: Are we at an inflection point in how science is conducted? -- Actionable advice from recent Academies' reports, 90 minutes

Moderator: Steven Goodman, Professor of Medicine and Epidemiology, Stanford University

Panelists:

Marcia McNutt, President, National Academy of Sciences

Harvey V. Fineberg, President of the Gordon and Betty Moore Foundation and Chair of the [Reproducibility and Replicability in Science](#) report

Alexa T. McCray, Professor of Medicine, Harvard Medical School and Chair of the [Open Science by Design](#) report

C. K. Gunsalus, Director, National Center for Professional and Research Ethics

@ncprenews, University of Illinois Urbana-Champaign and committee member of the [Fostering Integrity in Research](#) report

4:45 PM Summary Comments – and highlights for the event tomorrow

Harvey V. Fineberg

5:00 PM ADJOURN to reception in the East Court

7:00 PM Event ends

***Member of the Committee on Reproducibility and Replicability in Science and Engineering.**

¹Member of the Committee on Fostering Integrity in Science.



We are thankful to our sponsors: the Alfred P. Sloan Foundation and the National Science Foundation.

Special thanks to the Alfred P. Sloan Foundation for the food and drink provided to symposium attendees.