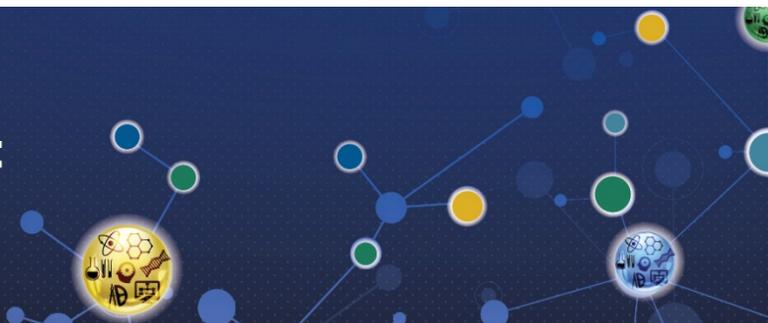


# Reproducibility and Replicability in Science: Next Steps Symposium



*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*

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**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**

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**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\*<sup>1</sup>*

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

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**12:30 PM LUNCH – boxed lunches available**

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**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*

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**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 Atrium**

**7:00 PM Event ends**

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

**<sup>1</sup>Member 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.**