

SESSION I

Cultivating Transparent Reporting in Biomedical Research

Moderator

Alexa T. McCray, Harvard Medical School

*Enhancing Scientific Reproducibility through Transparent Reporting
The National Academies of Sciences, Engineering, Medicine
A Workshop
September 25-26, 2019*

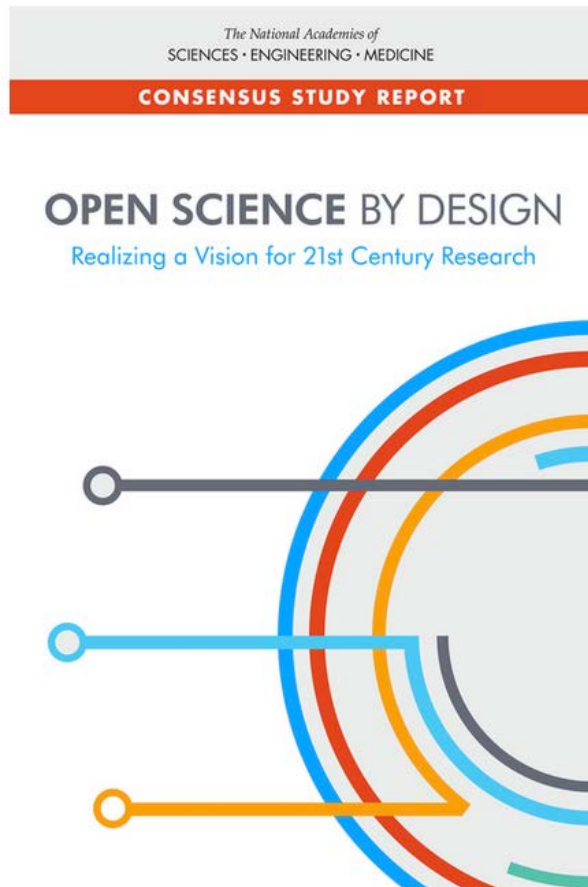
Speakers

- Yarimar Carrasquillo, National Institutes of Health
- Brian Nosek, Center for Open Science
- Arturo Casadevall, Johns Hopkins
- Carrie Wolinetz, National Institutes of Health

Session Objectives

- Highlight efforts by **researchers, institutions, funders, and journals** to increase transparency in proposing and reporting pre-clinical biomedical research
- Discuss the **incentives, disincentives, challenges, and opportunities** for researchers when it comes to transparent reporting of pre-clinical biomedical research
- Discuss experience with **implementation of policies** to encourage transparent reporting in pre-clinical biomedical research
- Consider the role of stakeholders in **supporting a cultural shift** towards transparent reporting

Overcoming Cultural Barriers to Open Science

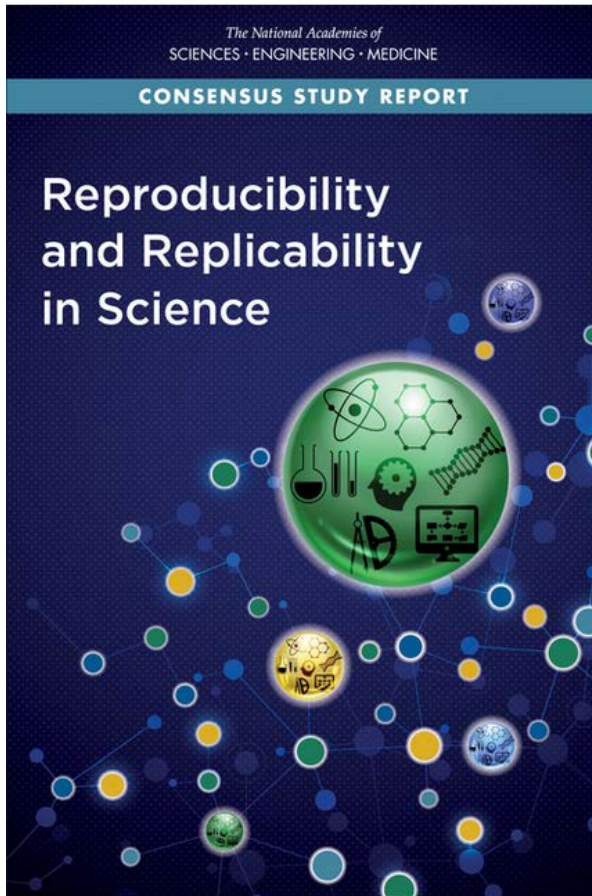


*A set of principles and practices that fosters openness throughout the **entire research life cycle**.*

- Research institutions should work to create a culture that actively supports Open Science by Design by better rewarding and supporting researchers engaged in open science practices.
- Research funders should provide explicit and consistent support for practices and approaches that facilitate this shift in culture and incentives.

National Academies of Sciences, Engineering, and Medicine. 2018. *Open Science by Design: Realizing a Vision for 21st Century Research*. Washington, DC: The National Academies Press. doi: <https://doi.org/10.17226/25116>.

Overcoming Cultural Barriers to Transparency



- Foster a culture that values and rewards openness and transparency
- Some current efforts
 - Guidelines that promote openness
 - Badges and prizes that recognize openness
 - Changes in policies to ensure transparent reporting
 - New approaches to publishing results
 - Direct support for replication efforts