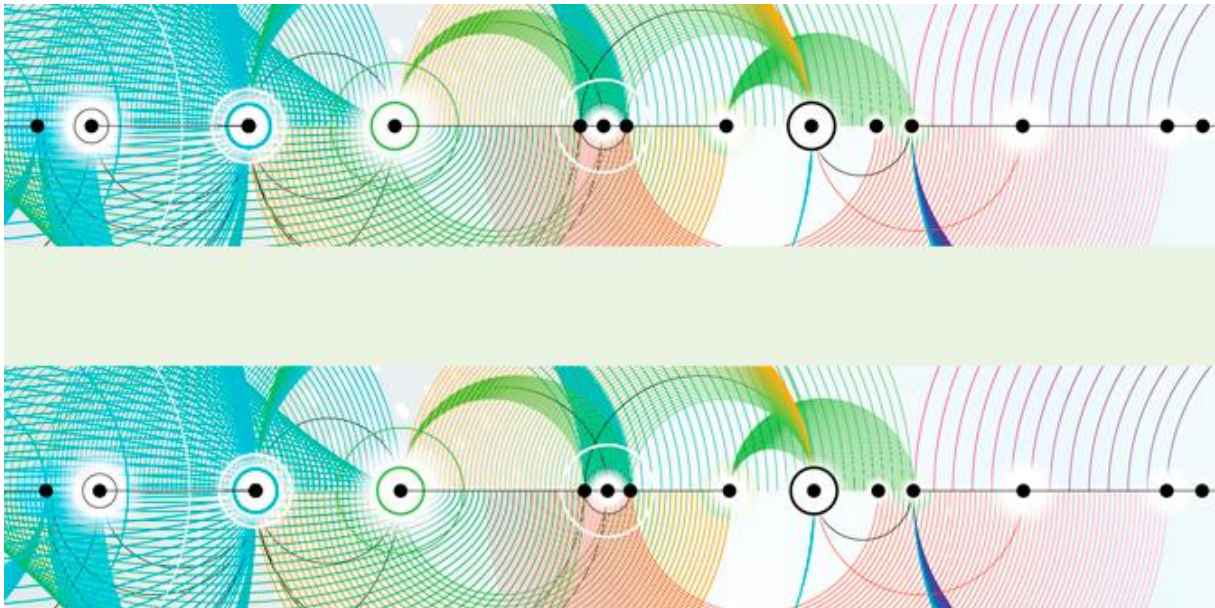


Arthur M. Sackler Colloquium

Advancing the Science and Practice of Science Communication: Misinformation about Science in the Public Sphere



The Colloquium on "Advancing the Science and Practice of Science Communication: Misinformation about Science in the Public Sphere" is devoted to the science of science communication. The papers found in this special issue demonstrate the critical role misinformation and bias play when communicating scientific results in the public sphere and how various actors have amplified misinformation and distorted scientific results that lead to polarizing views of science. This colloquium was designed as a step toward building a practitioner-informed research agenda that will galvanize deeper explorations of the causes and cures for misinformation and on how to effectively communicate science to inform actionable policy."

Showing 1-9 of 9 items.

- [Misinformation about science in the public sphere](#)

Dietram A. Scheufele, Andrew J. Hoffman, Liz Neeley, Czerne M. Reid
Journal Article | Proceedings of the National Academy of Sciences **Date:** 9-Apr-2021 **DOI:** 10.1073/pnas.2104068118

- [Misinformation and public opinion of science and health: Approaches, findings, and future directions](#)

Michael A. Cacciatore
Journal Article | Proceedings of the National Academy of Sciences **Date:** 9-Apr-2021 **DOI:** 10.1073/pnas.1912437117

- [Measuring the news and its impact on democracy](#)

Duncan J. Watts, David M. Rothschild, Markus Mobius

Journal Article | Proceedings of the National Academy of Sciences **Date:** 9-Apr-2021 **DOI:** 10.1073/pnas.1912443118

- [Misinformation in and about science](#)

Jevin D. West, Carl T. Bergstrom

Journal Article | Proceedings of the National Academy of Sciences **Date:** 9-Apr-2021 **DOI:** 10.1073/pnas.1912444117

- [Why the backfire effect does not explain the durability of political misperceptions](#)

Brendan Nyhan

Journal Article | Proceedings of the National Academy of Sciences **Date:** 9-Apr-2021 **DOI:** 10.1073/pnas.1912440117

- [The narrative truth about scientific misinformation](#)

Michael F. Dahlstrom

Journal Article | Proceedings of the National Academy of Sciences **Date:** 9-Apr-2021 **DOI:** 10.1073/pnas.1914085117

- [A scientific theory of gist communication and misinformation resistance, with implications for health, education, and policy](#)

Valerie F. Reyna

Journal Article | Proceedings of the National Academy of Sciences **Date:** 13-Apr-2021 **DOI:** 10.1073/pnas.1912441117

- [Emotion and humor as misinformation antidotes](#)

Sara K. Yeo, Meaghan McKasy

Journal Article | Proceedings of the National Academy of Sciences **Date:** 9-Apr-2021 **DOI:** 10.1073/pnas.2002484118

- [\(Mis\)informed about what? What it means to be a science-literate citizen in a digital world](#)

Emily L. Howell, Dominique Brossard

Journal Article | Proceedings of the National Academy of Sciences **Date:** 5-Apr-2021 **DOI:** 10.1073/pnas.1912436117