Correlation and Causation of Life Sciences Systems

2023 Fall Board Meeting of the Board on Life Sciences

AGENDA
MONDAY, OCTOBER 30, 2023

1:00pm–2:30pm EDT

Correlation and Causation of Life Sciences Systems

The purpose of this discussion is to understand the current capabilities and future application of computational analyses, modeling, and design in life sciences research. This discussion will bridge the theoretical knowledge from computer, social, and mathematical sciences to practical application in the life sciences research and its translation to policy and decision-making. Within this context, the discussion will consider questions about uncertainty and bias in the data and validation of results using more digital data or experimental data. Examples of application and challenges of applying these concepts for health and ecosystem research also will be discussed. This discussion will be live webcast.

Facilitator
Sudip Parikh, American Association for the Advancement of Science

Speakers
Ben Rottman, University of Pittsburgh
Elias Bareinboim, Columbia University
Jose Zubizarreta, Harvard Medical School
Eleanor (Ellie) Murray, Boston University
Rebecca Safran, University of Colorado
Wenying Shou, University College London