9:00 – 10:15 AM† Bias and Scientific Research.* Prof. Brian Nosek (U.Va. and Center for Open Science) will discuss susceptibility to unconscious bias and how this issue may affect the conduct of science, with examples and counter-examples from a variety of disciplines.

10:15 -10:30 AM Break (light refreshments)

10:30 -12:00 PM Robust Science: Problems and Solution.* An interdisciplinary panel will explore the types of bias that may affect the conduct of science, and ways to prevent it. Panelists: Shai Silberberg (NIH); Geraldine Richmond, AAAS Chair and Presidential Chair in Science and Professor of Chemistry (University of Oregon); Maria Zuber (MIT and former Chair of National Science Board); Brian Nosek (U. Va. and Center for Open Science)

12:00 -12:45 PM Lunch (provided)

12:45 - 2:15 PM “Put the Ph. Back into the Ph.D.” and Other Novel Approaches to Scientific Training.* Arturo Casadevall (Johns Hopkins) will provide an overview of a new approach to graduate scientific education that focuses on critical thinking, creative problem solving, and rigorous research methodology; a panel of experts including Len Freedman (GBSI) and Melissa Begg (Columbia) plus others will follow-up with a discussion on scientific training.

2:15 - 2:30 PM Break (light refreshments)

2:45 - 4:15 PM Journal Editor Perspectives on Rigor and Bias.* Marcia McNutt** (former editor of Science and President of National Academy of Sciences) moderates a conversation among journal editors on regarding their perspectives on the role of scientific journals in promoting robust and transparent science. Panelists include Magdalena Skipper, Editor-in-Chief, Nature; Howard Bauchner, editor, JAMA; Veronique Kiermer (Executive Editor, PLOS)

4:15 - 5:00 PM Wrap up and Discussion*

5:00 - 7:00 PM Evening Cocktail Reception and Networking in Low Library Rotunda

† Keynote Presentation
*Tentative title
**Tentatively confirmed speaker