International Workshop

The Problem of Irreproducibility in Scientific Experimentation: Is there a “Replication Crisis”?

The Jacques Loeb Centre for the History and Philosophy of the Life Sciences, Ben-Gurion University of the Negev, March 14, 2022

Ilse Katz Institute for Nanoscale Science and Technology (Bldg. 51)
Ben Gurion University of the Negev, Marcus Family Campus, Beer Sheva

10:10 - 10:30  Welcoming, Introductory Words

10:30 - 11:15  Gerd Gigerenzer – Max Planck Institute for Human Development
“The Replication Crisis and How We Got There”

11:15 - 12:00  Harry Collins - Cardiff University
“The Inevitability of the Replication Crisis and Why the Solution Is Different for Different Kinds of Science”

12:00 - 12:30  Coffee Break

12:30 - 13:00  Ute Deichmann - Ben-Gurion University of the Negev
“Irreproducibility and Scientific Truth”

13:00 - 13:30  Anat Ben Zvi – Ben Gurion University of the Negev
“Data Variability Can Sometimes Be New Data Hiding in Plain Sight”

13:30 - 14:30  Lunch

14:30 - 15:00  Sebastian Kozuch – Ben Gurion University of the Negev
“Is Quantum Computational Chemistry Reproducible?”
15:00 - 15:30  Yonatan Dubi - Ben Gurion University of the Negev
“War and Pieces of Metal: Tale from the Scientific Front”

15:30 - 16:00  Gabriel Frank - Ben Gurion University of the Negev
“The Einstein from Noise Problem: Model Bias and Resolution Criteria in single-particle cryo-EM”

16:00 - 16:15  Coffee Break

16:15 - 16:45  Nadav Davidovich – Ben Gurion University of the Negev
“From Science to Health Policy: Historical and Sociological Reflection on Public Health Research from Smallpox to COVID-19”

16:45 - 17:15  Klodian Coko - Ben-Gurion University of the Negev
“Replication or Triangulation? Towards a More Nuanced Evaluation of Scientific Findings”

17:15 - 18:00  John P. A. Ioannidis - Stanford University
Are Reproducibility and Transparency Improving and Biases Decreasing across Diverse Scientific Fields?

18:00 - 18:30  Roundtable

18:30 - 19:30  Reception