



Jacques Loeb Centre
for the History and Philosophy
of the Life Sciences
Prof. Ute Deichmann, Director

Ben-Gurion University of the Negev
P.O. Box 653, Beer-Sheva, 8410501, Israel
Building 39, Room -114 | Phone: +972-8-6472258
Email: jloebcentre@post.bgu.ac.il | Web: in.bgu.ac.il/en/loeb

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**