

Kati Kish Bar-On

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AOS: Philosophy of Mathematics; Philosophy of Psychology; Social Epistemology

AOC: Philosophy of AI; Philosophy of Science; Epistemology

ACADEMIC APPOINTMENTS

Boston University

MetaScience and AI Postdoctoral Fellow, Philosophy department

2025 - 2027

Boston, MA

◦ Harvard Business School, visiting postdoctoral fellow, AI Institute

2025 – 2026

◦ Northeastern University, lecturer, College of Social Sciences and Humanities

2025 - present

Massachusetts Institute of Technology

Postdoctoral Fellow, Science, Technology and Society (STS) program

2022 - 2025

Cambridge, MA

EDUCATION

Ph.D., History and Philosophy of Science

Tel Aviv University

2016 - 2022

M.A., Philosophy

Tel Aviv University (magna cum laude)

2012 - 2014

B.A., Economics and Philosophy

Tel Aviv University (magna cum laude)

2009 - 2012

PUBLICATIONS

Books

- [1] Kish Bar-On, Kati (2025). *Intuitionism Resocialized: Individuals, Communities, and the Evolution of Mathematical Knowledge*, Springer Nature

Peer-reviewed Articles: Philosophy of Psychology

- [2] Kish Bar-On, Kati. (2026). **Navigating Moral Cognition Under Uncertainty** (Commentary on "Resource-rational Contractualism: A triple theory of moral cognition"), *Behavioral and Brain Sciences*, 49:e135.
- [3] Kish Bar-On, Kati. (2024). **Beyond Binary Group Categorization: Towards a Dynamic View of Human Groups**. *Philosophical Psychology*, 1-28.
- [4] Kish Bar-On Kati, Eugen Dimant, Yphtach Lelkes, David G Rand. (2024). **Unraveling polarization: Insights into individual and collective dynamics**. *PNAS Nexus*, 3(10): pgae426.
- [5] Kish Bar-On Kati, Ehud Lamm. (2024). **Neither Human Normativity nor Human Groupness Are in Humanity's Genes (Commentary on Cecilia Heyes's "Rethinking Norm Psychology")**. *Perspectives on Psychological Science*, 19(1): 46-48.
- [6] Kish Bar-On Kati, Ehud Lamm. (2023). **The Interplay of Social Identity and Norm Psychology in the Evolution of Human Groups**. *Philosophical Transactions of the Royal Society B: Biological Sciences*, 378: 20210412
- [7] Kish Bar-On, Kati. (2020). **Obligations to whom, obligations to what? A philosophical perspective on the objects of our obligations** (Commentary on Michael Tomasello's "The moral psychology of obligation"). *Behavioral and Brain Sciences*, 43, E58.

Peer-reviewed Articles: Philosophy of Mathematics and AI

- [8] Kish Bar-On, Kati. (2025). **From Human Logic to Machine Reasoning: How AI Challenges and Expands the Constructivist Framework** (Commentary on "An Analysis of Necessity and Possibility in Formal Logic from a Constructivist Perspective"), *Constructivist Foundations*, 20(3): 250–252
- [9] Kish Bar-On, Kati. (2024). **Mathematics and Society Reunited: The Social Aspects of Brouwer's Intuitionism** *Studies in History and Philosophy of Science*, 108: 28-37.
- [10] Kish Bar-On, Kati. (2023). **Connecting the revolutionary with the conventional: Rethinking the differences between the works of Brouwer, Heyting, and Weyl**. *Philosophy of Science*, 90(3): 580–602.
- [11] Kish Bar-On, Kati. (2022). **From Philosophical Traditions to Scientific Developments: Reconsidering the Response to Brouwer's Intuitionism**. *Synthese*, 200, 521.
- [12] Kish Bar-On, Kati. (2021). **Towards a new philosophical perspective on Hermann Weyl's turn to intuitionism**. *Science in Context*, 34(1): 51-68.

FELLOWSHIPS AND AWARDS

Alfred P. Sloan MetaScience and AI Fellowship (\$250K) <i>Alfred P. Sloan Foundation</i>	2025 - 2027
Humane Studies Fellowship (\$8K) <i>Institute for Humane Studies, George Mason University</i>	2024/2025
IMPACT Fellowship <i>National Postdoctoral Association (non-stipend)</i>	2024 - 2025
Marie Skłodowska-Curie Actions Global Postdoctoral Fellowship (€200K) <i>European Commission Horizon Europe</i>	2023 - 2025
Lady Davis Postdoctoral Fellowship (waived) <i>Hebrew University of Jerusalem</i>	2023 - 2024
Edelstein Center for HPS, Technology, and Medicine Postdoctoral Fellowship (waived) <i>Hebrew University of Jerusalem</i>	2023 - 2024
Amos Funkenstein Prize (\$3K) <i>Tel Aviv University</i>	2023
Rothschild Fellowship (\$100K) <i>Yad Hanadiv</i>	2022 - 2023
Technion Post-Doctoral Fellowship (waived) <i>Technion – Israel Institute of Technology</i>	2022 - 2023
Best publication award (\$3K) <i>Tel Aviv University</i>	2021

SELECTED INVITED TALKS

University of Bergen , Mathematical Proof in the Age of AI (2026)
University of Würzburg , Colloquium Logicum (2026)
Collins Aerospace AI in aviation group (2026)
Boston University , Metaphysics, logic, and mathematics group (2026)
Ohio State University , Annual Distinguished Lecture on AI Law, Policy and Governance (2026)
Cornell University , Assessing and imagining the impact of Generative AI on Science (2026)
Boston University , Philosophical Problems of Logic and Mathematics seminar (2026)
Chapman University , Association for the Philosophy of Mathematical Practice (2026)
Weizmann Institute of Science , Department of Science Teaching (2025)
Ohio State University , Philosophy Sees the Algorithm workshop (2025)
United Nations System Staff College , Nelson Mandela Global Academy for Social Change (2025)
Archives Henri-Poincaré , Purity of Mathematical Language workshop (2025)
University of California, Berkeley , Embodied Design Research Laboratory (2025)
Chapman University , World Logic Day Workshop (2024)
Harvard University , Department of History of Science (2024)
CFCUL Lisbon , The Sciences of Ethics and Political Philosophy group (2024)
University of Pittsburgh , Center for Philosophy of Science (2023)
Stanford , Program in History and Philosophy of Science (2023)
Harvard Business School , Negotiation, Organizations and Markets Unit (2023)
New York University , Social Identity and Morality Lab (2023)
University of Cambridge , Department of History and Philosophy of Science (2023)
University of Toronto , International Society for the History, Philosophy and Social Studies of Biology (2023)
MIT , The History, Anthropology, and Science and Technology Studies program seminar (2023)
Princeton , MIT-Harvard-Princeton conference in the history of the physical sciences (2023)
University of Pennsylvania , Penn Center for Social Norms and Behavioral Dynamics (2022)
University of Cambridge , 15th Annual Graduate Conference on the Philosophy of Mathematics and Logic (2022)

TEACHING EXPERIENCE

Northeastern University (Department of Political Science) <i>POLS 7341: Security and Resilience Policy</i>	2025 - today
Massachusetts Institute of Technology (STS program, IAP Activity) <i>Polarization in the Wild: Understanding and Addressing Global Divides</i>	2025
Tel Aviv University <i>0659-2626-01: The historical development of mathematics: from the Greeks to Newton</i>	2022
Tel Aviv University, Youth Program <i>Introduction to programming languages and computer science</i>	2016
Tel Aviv University (Philosophy Department) <i>0618-2223-02: Indian Philosophy – Advanced course</i>	2013

CERTIFICATIONS

Leadership and Management in Action Program , MIT, Georgia Tech and Virginia Tech	2025
Research Mentoring Training Certificate , MIT Career Advising and Professional Development	2024
Grant Writing Training Certificate , MIT Career Advising and Professional Development	2024
Kaufman Teaching Certificate Program , MIT Teaching and Learning Lab	2023

ORGANIZED WORKSHOPS AND READING GROUPS

Algorithms, AI, and the Politics of Proof reading group <i>Boston University and Bonn University</i>	2025 - 2026
Drafts Club <i>Goldenberg lab, Harvard Business School</i>	2026
Directions of Polarization, Social Norms, and Trust in Societies workshop <i>MIT</i>	2025
Exploring the Intersection of Mathematics, AI, and Human Cognition reading group <i>MIT and Bonn University</i>	2024 - 2025
Emerging Trends in History, Philosophy and Sociology of Mathematics workshop <i>MIT</i>	2024
Mathematical Proof and the Sociology of Mathematics reading group <i>MIT and Tel Aviv University</i>	2023 - 2024
Directions of Polarization, Social Norms, and Trust in Societies workshop <i>MIT</i>	2023
Historical Axiomatics workshop <i>Stanford</i>	2023
Mathematical Knowledge, Understanding, and Means reading group <i>MIT and Tel Aviv University</i>	2022 - 2023
Mathematics, Culture, and Society reading group <i>Tel Aviv University</i>	2021 - 2022
Otherness, Responsibility, Equality and Solidarity symposium <i>Tel Aviv University</i>	2019

RESEARCH EXPERIENCE

Research Assistant, School of Economics <i>Tel-Aviv University (Prof. Itzhak Gilboa)</i> ◦ Decision Theory; Game Theory; Notions of Rationality	2018 - 2022
Research Assistant, School of Management <i>Tel Aviv University (Prof. Chaim Fershtman)</i> ◦ Sociological Aspects in Economics; Social Choice Theory	2017

INDUSTRY EXPERIENCE

Software Engineer <i>ForcePoint, Israel</i> ◦ Programming languages: Python, JAVA, JavaScript, ExtJS	2013 - 2016
HTML and CSS developer <i>Check Point, Israel</i>	2010 - 2011
System Storage Architect <i>MindU, Israel</i>	2007 - 2008

PROFESSIONAL MEMBERSHIPS

Association for the Philosophy of Mathematical Practice	January 2026 - Present
National Postdoctoral Association	August 2024 - Present
Diversity of Mathematical Research Cultures and Practices (DMRCP)	January 2024 - Present
Philosophy of Science Association	July 2023 - Present

ACADEMIC SERVICE

Reviewer for: Bloomsbury Books; Collabra: Psychology; International Studies in the Philosophy of Science; PNAS Nexus; Constructivist Foundations; Erkenntnis; History and Philosophy of Logic; Theoria; Humanities and Social Sciences Communications; Evolutionary Human Sciences; Politics and the Life Sciences

Guest Editor: PNAS Nexus

REFERENCES

1. **Prof. Juliet Floyd**
Boston University
jfloyd@bu.edu
2. **Prof. Amit Goldenberg**
Harvard Business School
agoldenberg@hbs.edu
3. **Prof. David Kaiser**
Massachusetts Institute of Technology
dikaiser@mit.edu
4. **Dr. Michael Friedman**
Bonn University
friedman@math.uni-bonn.de
5. **Prof. Yphtach Lelkes**
University of Pennsylvania
ylelkes@upenn.edu
6. **Prof. Dirk Schlimm**
McGill University
dirk.schlimm@mcgill.ca
7. **Prof. Daniel Aldrich (teaching)**
Northeastern University
d.aldrich@northeastern.edu