

Kati Kish Bar-On

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

AOC: Philosophy of AI; Philosophy of Science

ACADEMIC APPOINTMENTS

Boston University <i>MetaScience and AI Postdoctoral Fellow, Philosophy department</i>	2025 - 2027 Boston, MA
◦ Harvard Business School , visiting postdoctoral fellow, <i>AI Institute</i>	2025 - 2027
◦ Northeastern University , lecturer, <i>College of Social Sciences and Humanities</i>	2024 - present
Massachusetts Institute of Technology <i>Postdoctoral Fellow, Science, Technology and Society (STS) program</i>	2022 - 2025 Cambridge, MA

EDUCATION

Ph.D., History and Philosophy of Science <i>Tel Aviv University</i>	2016 - 2022
M.A., Philosophy <i>Tel Aviv University (magna cum laude)</i>	2012 - 2014
B.A., Economics and Philosophy <i>Tel Aviv University (magna cum laude)</i>	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 Mathematics and AI

[2] Kish Bar-On, Kati and Michael Friedman. (2026). **Big AI-Based Mathematics and the Redistribution of Epistemic Labor**, *Social Studies of Science* 1-25

[3] Friedman, Michael and Kish Bar-On, Kati. (2026). **Rethinking Mathematical Intuition in the Age of AI**, *Math Intelligencer*, 1-9

[4] 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

[5] 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.

[6] 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.

[7] Kish Bar-On, Kati. (2022). **From Philosophical Traditions to Scientific Developments: Reconsidering the Response to Brouwer's Intuitionism**. *Synthese*, 200, 521.

[8] Kish Bar-On, Kati. (2021). **Towards a new philosophical perspective on Hermann Weyl's turn to intuitionism**. *Science in Context*, 34(1): 51-68.

Peer-reviewed Articles: Philosophy of Psychology

[9] 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.

[10] Kish Bar-On, Kati. (2024). **Beyond Binary Group Categorization: Towards a Dynamic View of Human Groups.** *Philosophical Psychology*, 1-28.

[11] 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.

[12] 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.

[13] 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

[14] 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.

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)
- Boston University, Between Mathematical Logic and Computer Science: Celebrating Assaf Kfoury’s career (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>	2024 - 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 - 2027
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

2013 - 2016

ForcePoint, Israel

◦ Programming languages: Python, JAVA, JavaScript, ExtJS

HTML and CSS developer

2010 - 2011

Check Point, Israel

System Storage Architect

2007 - 2008

MindU, Israel

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; Philosophy of Science; Social Epistemology

Guest Editor: PNAS Nexus

REFERENCES

1. **Prof. Juliet Floyd**
Boston University
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2. **Prof. Amit Goldenberg**
Harvard Business School
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3. **Prof. David Kaiser**
Massachusetts Institute of Technology
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4. **Dr. Michael Friedman**
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5. **Prof. Yphtach Lelkes**
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ylelkes@upenn.edu
6. **Prof. Dirk Schlimm**
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7. **Prof. Daniel Aldrich (teaching)**
Northeastern University
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