

# Kati Kish Bar-On

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## ACADEMIC APPOINTMENTS

### Boston University

MetaScience and AI postdoctoral fellow, Philosophy department

2025 - 2027

Boston, MA

◦ Visiting Scholar, **Harvard Business School**, Digital Data Design Institute

01/2026 – 07/2026

◦ Lecturer, **Northeastern University**, 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

### Journal Articles

- [2] Kish Bar-On, Kati. (forthcoming). **Navigating Moral Cognition Under Uncertainty** (Commentary on "Resource-rational Contractualism: A triple theory of moral cognition"), *Behavioral and Brain Sciences*
- [3] 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
- [4] 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.
- [5] Kish Bar-On, Kati. (2024). **Beyond Binary Group Categorization: Towards a Dynamic View of Human Groups.** *Philosophical Psychology*, 1-28.
- [6] 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.
- [7] 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.
- [8] 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.
- [9] 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
- [10] Kish Bar-On, Kati. (2022). **From Philosophical Traditions to Scientific Developments: Reconsidering the Response to Brouwer's Intuitionism.** *Synthese*, 200, 521.
- [11] Kish Bar-On, Kati. (2021). **Towards a new philosophical perspective on Hermann Weyl's turn to intuitionism.** *Science in Context*, 34(1): 51-68.
- [12] 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

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

## SELECTED INVITED TALKS

<b>University of Würzburg</b> , Colloquium Logicum (2026)
<b>Ohio State University</b> , Annual Distinguished Lecture on AI Law, Policy and Governance (2026)
<b>Chapman University</b> , Association for the Philosophy of Mathematical Practice (2026)
<b>Weizmann Institute of Science</b> , Department of Science Teaching (2025)
<b>Ohio State University</b> , Philosophy Sees the Algorithm workshop (2025)
<b>United Nations System Staff College</b> , Nelson Mandela Global Academy for Social Change (2025)
<b>Archives Henri-Poincaré</b> , Purity of Mathematical Language workshop (2025)
<b>University of California, Berkeley</b> , Embodied Design Research Laboratory (2025)
<b>Chapman University</b> , World Logic Day Workshop (2024)
<b>Harvard University</b> , Department of History of Science (2024)
<b>CFCUL Lisbon</b> , The Sciences of Ethics and Political Philosophy group (2024)
<b>University of Pittsburgh</b> , Center for Philosophy of Science (2023)
<b>Stanford</b> , Program in History and Philosophy of Science (2023)
<b>Harvard Business School</b> , Negotiation, Organizations and Markets Unit (2023)
<b>New York University</b> , Social Identity and Morality Lab (2023)
<b>University of Cambridge</b> , Department of History and Philosophy of Science (2023)
<b>University of Toronto</b> , International Society for the History, Philosophy and Social Studies of Biology (2023)
<b>MIT</b> , The History, Anthropology, and Science and Technology Studies program seminar (2023)
<b>Princeton</b> , MIT-Harvard-Princeton conference in the history of the physical sciences (2023)
<b>University of Pennsylvania</b> , Penn Center for Social Norms and Behavioral Dynamics (2022)
<b>University of Cambridge</b> , 15th Annual Graduate Conference on the Philosophy of Mathematics and Logic (2022)
<b>PSA (Baltimore)</b> , 27th Biennial Meeting of the Philosophy of Science Association (2021)
<b>University of Edinburgh</b> , Universals' Locales workshop (2020)

## TEACHING EXPERIENCE

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

## CERTIFICATIONS

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

## ORGANIZED WORKSHOPS AND READING GROUPS

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

## RESEARCH EXPERIENCE

<b>Research Assistant, School of Economics</b>	2018 - 2022
<i>Tel-Aviv University (Prof. Itzhak Gilboa)</i>	
◦ Decision theory; game theory; notions of rationality	
<b>Research Assistant, School of Management</b>	2017
<i>Tel Aviv University (Prof. Chaim Fershtman)</i>	
◦ Sociological aspects in economics; Social choice theory	

## INDUSTRY EXPERIENCE

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

## PROFESSIONAL MEMBERSHIPS

<b>National Postdoctoral Association</b>	August 2024 - Present
◦ Special Interest Summit working group member	
<b>Diversity of Mathematical Research Cultures and Practices (DMRCP)</b>	January 2024 - Present
<b>Philosophy of Science Association</b>	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

## REFERENCES

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1. **Prof. David Kaiser**  
Massachusetts Institute of Technology  
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2. **Prof. Juliet Floyd**  
Boston University  
jfloyd@bu.edu
3. **Dr. Michael Friedman**  
Bonn University  
friedman@math.uni-bonn.de
4. **Prof. Amit Goldenberg**  
Harvard Business School  
agoldenberg@hbs.edu
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  
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