Aaron M. Bornstein

Updated: August 26, 2025

CONTACT aaron.bornstein@uci.edu http://aaron.bornstein.org/

Current

POSITION 2019- Assistant Professor, Department of Cognitive Sciences

Faculty, Institute for Mathematical Behavioral Sciences Fellow, Center for the Neurobiology of Learning and Memory

University of California, Irvine

Previous

MENTS

APPOINT- 2018 Associate Research Scholar, Princeton Neuroscience Institute

2013-2018 Postdoctoral Research Associate, Princeton Neuroscience Institute

2007-2013 Graduate researcher, New York University 2006 Research assistant, Deicken lab, UCSF/VA 2005-2007 Research assistant, Wagner lab, Stanford

EDUCATION

2013 Ph.D., Cognition & Perception, New York University

2003 S.B., Mathematics (additional concentration in Economics)

Massachusetts Institute of Technology

TEACHING/SERVICE

UC Irvine

Fall 2025 Resisting "Neuro-narratives" (Undergraduate)

Winter 2025 LIFTED UC Irvine Prison Education Program (Memory course)

Spring 2023- Memory (Undergraduate)

Spring 2023-24, Fall 2025- Decision making (Graduate)

Spring 2021-22 Decision making & Problem solving (Graduate; with Prof. Zygmunt

Pizlo)

Spring 2020 Topics in Reinforcement Learning (Graduate; with Prof. Mimi Liljeholm)

Spring 2019-22 Research in Exp Psych (Undergraduate; with Prof. Nadia Chernyak)

Winter 2019-22 Advanced Experimental Psychology (Undergraduate)

Other teaching/mentorship

Fall 2020 Neuromatch academy mentor

Summer 2020 Neuromatch academy group leader

Summer 2020 GSMI Cientifico Latino

2019 MEET alumni mentor

Summer 2018 Computational & Cognitive Neuroscience Summer School, Suzhou, China

2016-2018 Princeton Prison Teaching Initiative

Summer 2007,08 MIT Middle East Education through Technology (MEET), Jerusalem

University/Department service

2024- UCI Research Imaging Equipment Committee
2022-2025 Cognitive Sciences Colloquium committee, faculty advisor
2021- Irvine Faculty Association, Executive board member; 2023-2025 Treasurer; 2025Co-Chair
2020 CNLM "Evening to Remember" organizational committee
2019- First-Generation Faculty Initiative
2019- UCI Prison Education Program, advisory board, curriculum committee

Cognitive Sciences faculty search committee

Cognitive Sciences PhD admissions committee

Organizational/Field service

2019,23

2018, 20, 22, 24

2025- Justice, Diversity, Equity, and Inclusion Committee, Memory Disorders Research Society.

2025- Advisor, All People's Health Collective.

2024- Editorial board, Translational Neuroscience.

2023 UCI Conte Center annual symposium, organized with the Conte Center Team.

2022 NSF/Simons NeuroDataScience workshop, Co-Organizer (with Norbert Fortin and Babak Shahbaba)

2021 Center for Neurobiology of Learning and Memory Spring Meeting Co-organizer (with Lulu Chen)

2018 Princeton Neuroscience Institute "Inside-Out" seminar series Co-organizer (with Ahmed El Hady)

2018 "Goal-Directed Decision Making: Computations and Circuits" *Elsevier* Co-editor (with Richard Morris & Amitai Shenhav)

2015 COSYNE Workshop "Memory in action: The role(s) of the hippocampus in decisions for reward" Co-organizer (with G. Elliott Wimmer)