

Amrita Lamba

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Department of Cognitive, Linguistic & Psychological Sciences (CLPS)
Brown University
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Education

Ph.D in Cognitive Science, Brown University 2017—2023 (expected)
Supervisors: Drs. Oriel FeldmanHall & Michael J. Frank

M.A. in Psychology, College of William & Mary 2017
Supervisor: Dr. Joanna Schug

B.Sc. Psychology & Neuroscience, University of Toronto 2014
Graduated with Honors and Distinction
Supervisor: Dr. Wil Cunningham

Peer-Reviewed Publications

FeldmanHall, O. & **Lamba, A.** (2022). *In press*. Using social learning algorithms to weigh competing moral motivations. Book Chapter in *Motivation & Morality: A Biopsychosocial Approach*.

Lamba, A., Frank, M. J., FeldmanHall, O. (2020). Anxiety impedes adaptive social learning under uncertainty. *Psychological Science*. DOI: <https://doi.org/10.1177/0956797620910993>

Manuscripts Submitted

Lamba, A., Nassar, M.R., FeldmanHall, O. (2022). Prefrontal cortex representations shape human credit assignment. DOI: [10.31234/osf.io/sezup](https://doi.org/10.31234/osf.io/sezup)

Manuscripts In Preparation

Lamba, A., Frank, M.J., FeldmanHall, O (2022). Pupil-linked arousal predicts reduced social learning in anxious individuals.

Lamba, A., Nassar, M.R., FeldmanHall, O. (2022). Amygdala and ventral striatum reward signals modulate the specificity of credit assignment mechanisms in adolescents.

Conference Presentations

Lamba, A., Nassar, M.R., FeldmanHall, O. Shared representational geometry across the frontal cortex supports credit assignment. RLDM (2022). Providence, RI. Poster & Extended Abstract.

Lamba, A., Nassar, M.R., FeldmanHall, O. Shared representational geometry supports credit assignment during social learning. CNS (2022). San Francisco, CA. Poster & Oral Presentation (Data Blitz).

Lamba, A., Frank, M.J., FeldmanHall, O. Blunted pupil-linked arousal predicts reduced social learning in anxious individuals. Winter Conference on Brain Research (2022). Snowmass, Colorado. Oral Presentation & Symposium Co-chair.

Lamba, A., Nassar, M.R., FeldmanHall, O. Amygdala-dependent reward prediction errors selectively guide social learning under uncertainty. CNS (2021). Poster & Oral Presentation (Virtual Data Blitz).

Lamba, A., Frank, M.J., FeldmanHall, O. Social uncertainty uniquely enhances dynamic learning and adaptive decision-making. CCN (2019). Berlin, Germany. Poster & Extended Abstract.

Lamba, A., Frank, M.J., FeldmanHall, O. Anxiety impedes adaptive social learning under uncertainty. The Multi-disciplinary. RLDM (2019). Montreal, Canada. Poster & Extended Abstract.

Lamba, A., Schug, J., McCauley, T. Simulating cooperative dynamics on static networks with stochastic modeling. HBES (2016). Vancouver, Canada. Poster.

Invited Presentations

Separable neural mechanisms of credit assignment guide social learning. (2021). The Morality Lab at Boston College. Oral Presentation.

Social uncertainty exacerbates learning impairments in individuals with anxiety. New England Research in Decision-Making (2018). Cambridge, MA. Oral Presentation.

Grants, Fellowships & Academic Honors

Carney Graduate Award in Brain Science, Brown University (\$60 000)	2022-2023
William and Mary Recruitment Fellowship Grant (\$4,000)	2015
Dean's List Honor, University of Toronto.	2014
Excellence Award in Natural Sciences and Engineering (NSERC) (\$5,625)	2013
University of Toronto President's Entrance Scholarship (\$2,000)	2010

Relevant Course Work

Bayesian and Structural Econometrics, Bayesian Statistical Methods, Computational Probability and Statistics, Structural Equation Modeling, Multivariate Statistics, Advances Statistics, Introductory Statistics, Functional Magnetic Resonance Imaging Methods, Computational Cognitive Neuroscience (Intro to Neural Network Modeling), Clinical Psychology, Psychopharmacology, Neural Computation in Learning and Decision-Making

Teaching

Social Psychology, TA, Brown University	2019
Neuroeconomics, Course Instructor, Summer at Brown	2019
Making Decisions, TA, Brown University	2019
Elementary Statistics, TA, Brown University	2018
Advanced Graduate Statistics, TA, William & Mary	2016—2017
Elementary Statistics, TA, William & Mary	2016

Departmental Service

Michael S. Goodman Seminar Series Organizer, Brown University	2019—2021
Climate and Diversity Committee, Brown University CLPS Dept.	2019—2021
Graduate Student Representative, Brown University CLPS Dept.	2018—2019
Diversity Committee, W&M Psychology Dept.	2017
Underrepresented Student Counselor, W&M Psychology Dept.	2016—2017
Graduate Research Symposium Organizing Committee, W&M.	2016—2017

Mentorship

Hugo Snijders, MA Rotation Student, University College Utrecht Current Position: Psychology PhD student at Radboud University	2021—2022
Eric Ingram, Undergraduate Teaching & Reward Award Recipient Current Position: Clinical Psychology PhD student at U. Kentucky	2018—2021

Ad Hoc Reviewer

Journal of Experimental Psychology: General (JEPG)
Proceedings of the National Academy of Sciences (PNAS)
Nature Communications
Developmental Cognitive Neuroscience