Academic Appointments

Assistant Professor 2020-
Department of Psychology, Yale University

Program Faculty:
Interdepartmental Neuroscience Program, Yale University 2020-
Cognitive Science Program, Yale University 2020-
Wu Tsai Institute, Yale University 2021-

Postdoctoral Fellow 2018-2020
Advisers: Anne G.E. Collins, Richard B. Ivry
Helen Wills Neuroscience Institute, University of California, Berkeley

Education

Ph.D., Psychology & Neuroscience. Princeton University 2013-2018
Adviser: Jordan A. Taylor

B.A., Neuroscience & Behavior. Vassar College 2005-2009

Research Interests

The psychological processes and neural substrates of learning and memory; cognitive contributions to motor learning, control, and memory; mental representations of complex skills; automaticity; neural correlates of motor cognition; subcortical contributions to cognition

Research Funding

National Institute for Health, R01NS132926 (PI; $1,250,000) Generalized Prediction Errors in the Human Cerebellum 2023-2028

Wu Tsai Institute Innovation Grant (co-PI; $150,000) Domain-general Neural Algorithms for Motion Detection 2022-2024

Yale University Seesel Endowed Award for Postdoc Recruitment (PI; $75,000) The Role of the Cerebellum in Reward-Based Learning: Implications for Neural Computation 2022-2023
Fellowships, Awards, & Honors

Elected Board Member, The Society for the Neural Control of Movement 2022-2025
Ruth L. Kirschstein National Research Service Award, National Institutes of Health 2019
Young Researcher Award, Karniel Computational Motor Control Workshop 2017
Chair, Gordon Research Seminar: Cerebellum 2017
Graduate Research Fellowship (GRFP), National Science Foundation 2015-2018
Centennial Scholar Fellowship, Princeton University 2013-2017
General Honors, Vassar College 2009
Inducted Member, Psi Chi International Honor Society in Psychology 2008

Research Positions

Visiting Scholar
Adviser: Richard B. Ivry, University of California, Berkeley 2016

Research Technician
Adviser: Javier F. Medina, University of Pennsylvania 2009-2011

Preprints

Sami R. Yousif & Samuel D. McDougle
Oblique Biases: An Instance of Domain- and Modality-General Spatial Representation
PsyArXiv, link: https://psyarxiv.com/wxya3/

Juliana E. Trach, Megan T. deBettencourt, Angela Radulescu, & Samuel D. McDougle
Reward Prediction Errors Modulate Attentional Vigilance
PsyArXiv, link: https://psyarxiv.com/c8zq7

Eugene Poh, Naser Al-Fawakhiri, Rachel Tam, Jordan A. Taylor, & Samuel D. McDougle
Generalization of Motor Learning in Psychological Space
bioRxiv, DOI: 10.1101/430542

Publications

Christopher L. Hewitson, Naser Al-Fawakhiri, Alexander D. Forrence, &
Samuel D. McDougle (2023)
Metacognitive Judgments during Visuomotor Learning Reflect the Integration of Error History
Journal of Neurophysiology, [Accepted]

Ashleigh V. Rutherford, Samuel D. McDougle, & Jutta Joormann (2023)
“Don’t [Ruminatel], be Happy”: A Cognitive Perspective Linking Depression and Anhedonia
Clinical Psychology Review, 101:102255
Olivia A. Kim, Alexander D. Forrence, & Samuel D. McDougle (2022)
Motor Learning without Movement
*Proceedings of the National Academy of Sciences*, 119(30): e2204379119

Guy Avraham, Jordan A. Taylor, Assaf Breaks, Richard B. Ivry, & Samuel D. McDougle (2022)
Contextual Effects in Sensorimotor Adaptation Adhere to Associative Learning Rules
eLife, 11: e75801

Juan A. Gallego, Tamar R. Makin, & Samuel D. McDougle (2022)
Going Beyond Primary Motor Cortex to Improve Brain–Computer Interfaces
*Trends in Neurosciences*, 45(3): 176-183

Samuel D. McDougle*, Jonathan Tsay*, Benjamin Pitt, Maedbh King, William Saban, Jordan A. Taylor, & Richard B. Ivry (2022)
Continuous Manipulation of Mental Representations is Compromised in Cerebellar Degeneration
*Brain*, 145(12): 4246-4263 *co-authors

Samuel D. McDougle, Ian C. Ballard, Beth Baribault, Sonia J. Bishop & Anne G.E. Collins (2022)
Executive Function Assigns Value to Novel Goal-Congruent Outcomes
*Cerebral Cortex*, 32(1): 231-247

Samuel D. McDougle, Sarah A. Wilterson, Nicholas B. Turk-Browne, & Jordan A. Taylor (2022)
Revisiting the Role of the Medial Temporal Lobe in Motor Learning
*Journal of Cognitive Neuroscience*, 34(3): 532-549

Samuel D. McDougle (2022)
Post-error Slowing During Instrumental Learning is Shaped by Working Memory-based Choice Strategies
*Neuroscience*, 486: 37-45

Faisal Mushtaq, Samuel D. McDougle, Matt P. Craddock, Darius E. Parvin, Jack Brookes, Alexandre Schaefer, Mark Mon-Williams, Jordan A. Taylor, & Richard B. Ivry (2022)
Distinct Processing of Selection and Execution Errors in Neural Signatures of Outcome Monitoring
*Journal of Cognitive Neuroscience*, 34(5): 748–765.

Anne G.E. Collins & Samuel D. McDougle (2021)
Context is Key for Learning Motor Skills
*Nature*, 600: 387-388 [News & Views]

James W. Antony, Thomas H. Hartshorne, Ken Pomeroy, Todd M. Gureckis, Uri Hasson, Samuel D. McDougle, & Kenneth A. Norman (2021)
Behavioral, Physiological, and Neural Signatures of Surprise during Naturalistic Sports Viewing
*Neuron*, 109: 377-390
Samuel D. McDougle & Anne G.E. Collins (2021)
Modeling the Influence of Working Memory, Reinforcement, and Action Uncertainty on Reaction Time and Choice during Instrumental Learning
*Psychonomic Bulletin & Review, 28: 20-39*

Lisa Langsdorf, Jana Maresch, Mathias Hegele, Samuel D. McDougle*, & Raphael Schween* (2021)
Prolonged Response Time Helps Eliminate Residual Errors in Visuomotor Adaptation
*Psychonomic Bulletin & Review, 28: 834–844*  *co-senior authors*

Milena Rmus, Samuel D. McDougle, & Anne G.E. Collins (2020)
The Role of Executive Function in Shaping Reinforcement Learning
*Current Opinion in Behavioral Sciences, 38: 66-73*

Raphael Schween, Samuel D. McDougle, Mathias Hegele, & Jordan Taylor (2020)
Assessing Explicit Strategies in Force Field Adaptation
*Journal of Neurophysiology, 123: 1552-1565*

Samuel D. McDougle, Peter A. Butcher, Darius Parvin, Fasial Mushtaq, Yael Niv, Richard B. Ivry, & Jordan A. Taylor (2019)
Neural Signatures of Prediction Errors in a Decision-Making Task are Modulated by Action Execution Failures
*Current Biology, 29: 1606-1613*

Samuel D. McDougle & Jordan A. Taylor (2019)
Dissociable Cognitive Strategies for Sensorimotor Learning
*Nature Communications, 10(1), 40*

Darius E. Parvin, Samuel D. McDougle, Jordan A. Taylor, & Richard B. Ivry (2018)
Credit Assignment in a Motor Decision Making Task is Influenced by Agency and not Sensorimotor Prediction Errors
*Journal of Neuroscience, 38(19): 4521-4530*

Samuel D. McDougle, Krista M. Bond, & Jordan A. Taylor (2017)
Implications of Plan-based Generalization in Sensorimotor Adaptation
*The Journal of Neurophysiology, 118(1): 383-393*

Samuel D. McDougle, Matthew J. Boggess, Matthew J. Crossley, Darius Parvin, Richard B. Ivry, & Jordan A. Taylor (2016)
Credit Assignment in Movement-Dependent Reinforcement Learning
*Proceedings of the National Academy of Sciences, 113(24): 6797-6802*

Samuel D. McDougle, Richard B. Ivry, & Jordan A. Taylor (2016)
Taking Aim at the Cognitive Side of Learning in Sensorimotor Adaptation Tasks
*Trends in Cognitive Sciences, 20(7): 535-544*

Samuel D. McDougle, Krista M. Bond, & Jordan A. Taylor (2015)
Explicit and Implicit Processes Constitute the Fast and Slow Processes of Sensorimotor Learning
*Journal of Neuroscience, 35(26): 9568-9579*
Selmaan N. Chettih, Samuel D. McDougle, Luis I. Ruffolo, & Javier F. Medina (2011)
Adaptive Timing of Motor Output in the Mouse: The Role of Movement Oscillations in Eyelid Conditioning
*Frontiers in Integrative Neuroscience*, 5(72)

**Peer-Reviewed Conference Proceedings**

Juliana E. Trach & Samuel D. McDougle (2022)
Climbing the Tree: Structured Hierarchical Representations in Visuomotor Maps
*Proceedings of the 44th Annual Conference of the Cognitive Science Society*

Sami R. Yousif & Samuel D. McDougle (2022)
Common Coordinate Systems for Perception and Action
*Vision Sciences Society Annual Meeting*

Juliana E. Trach, Jed Burde, Megan T. deBettencourt, Angela Radulescu, & Samuel D. McDougle (2022)
Reward Prediction Error Modulates Sustained Attention
*Proceedings of the 5th Multidisciplinary Conference on Reinforcement Learning & Decision Making*

Flora Zhang, Samuel D. McDougle, & Julia A. Leonard (2022)
Thinking about Doing: Representations of Skill Learning
*Proceedings of the 44th Annual Conference of the Cognitive Science Society*

Sami R. Yousif, Samuel D. McDougle, & Robb B. Rutledge (2022)
A Task-general Model of Human Randomization
*Proceedings of the 44th Annual Conference of the Cognitive Science Society*

Olivia A. Kim, Alexander D. Forrence, & Samuel D. McDougle (2021)
Sensory Prediction Errors are Sufficient for Implicit Adaptation of Withheld Movements
*Motor Learning & Motor Control 2021*

Samuel D. McDougle & Jordan A. Taylor (2016)
Mental Rotation as a Behavioral and Neural Model of Explicit Aiming During Visuomotor Learning
*Motor Learning & Motor Control 2016*

**Book Chapters**

Jordan A. Taylor & Samuel D. McDougle (2019)
Visuomotor Adaptation Tasks as a Window into the Interplay Between Explicit and Implicit Cognitive Processes
*The Cognitive Neurosciences, 6th edition* (ed. Michael S. Gazzaniga)
Invited Talks (selected)

Samuel D. McDougle (2023)
A Broader View of Motor Adaptation
The 8th CiNet Conference: Beyond Motor Control
Center for Information and Neural Networks (CiNet), Osaka, Japan

Samuel D. McDougle (2022)
The Cerebellum and “Mental Kinematics”
Johns Hopkins Cerebellum Seminar, Johns Hopkins University, Baltimore, MD

Samuel D. McDougle (2021)
Space and Time in Movement Planning and Sensorimotor Adaptation
University College London, Gatsby Computational Neuroscience Unit, London, UK

Samuel D. McDougle (2021)
What’s in a Learning Curve?
World Wide Neuro: The Learning Salon

Samuel D. McDougle (2021)
Executive Function Assigns Value to Abstract Reward Outcomes
Neuroeconomics Forum, Yale University, New Haven, CT

Samuel D. McDougle (2020)
Strategic Processes in Human Motor Skill Learning
University of Birmingham Centre for Human Brain Health Seminar, Birmingham, UK

Samuel D. McDougle (2020)
The Cognitive-Motor Interface
Biological Sciences Training Program at Yale Psychiatry, New Haven, CT

Samuel D. McDougle (2020)
Cognitive Representations in Visuomotor Learning
University of Leeds Research Colloquium, Leeds, UK

Samuel D. McDougle (2019)
Cerebellar Contributions to Visuomotor Cognition
Neural Control of Movement 2019, Toyama, Japan

Samuel D. McDougle (2018)
The Steep Part of the Curve: Cognitive Representations in Human Learning
Yale Psychology, New Haven, CT

Samuel D. McDougle (2018)
Dynamics of Working Memory Reinforcement Learning Interactions
Stanford Psychology Cognition and Neuroscience Seminar Series 2018, Palo Alto, CA

Samuel D. McDougle (2018)
Parametric and Discrete Representations in Motor Learning
Berkeley Neuroscience Retreat 2018, Richmond, CA
Samuel D. McDougle (2018)
Dissociable Roles for Working Memory in Sensorimotor Learning
Berkeley Cognition and Computation Colloquium 2018, Berkeley, CA

Samuel D. McDougle (2017)
Analog Computations Drive Strategic Re-aiming of an Intended Movement
Karniel Computational Motor Control Workshop 2017, Beer-Sheva, Israel

Samuel D. McDougle (2016)
Mental Rotation as a Behavioral and Neural Model of Explicit Aiming during Visuomotor Learning
Motor Learning and Motor Control 2016, San Diego, CA

Samuel D. McDougle (2015)
Examining the Various Processes Driving Sensorimotor Learning
Gordon Research Conference, Cerebellum: Circuit Physiology, Computation and Disease 2015, Lewiston, ME

Chaired Conference Symposia and Workshops

The Cerebellum Beyond Motor Control: Insights Into Health and Disease
(November, 2022) Society for Neuroscience. Minisymposium. Co-chair: Caroline Nettekoven

Cerebellar Function and Pathology: Progress on Cellular, Behavioral and Computational Principles (July, 2017) Gordon Research Seminar, Cerebellum. Co-chair: Lauren McElvain

Conference Presentations (selected)

Juliana Trach & Samuel D. McDougle (2023)
Hierarchical Action Selection
Neural Control of Movement 2023, Victoria, Canada

Hanna Hillman, Tabea Botthof, Alexander D. Forrence, & Samuel D. McDougle (2023)
Interference in Motor Working Memory
Neural Control of Movement 2023, Victoria, Canada

Naser Al-Fawakhiri & Samuel D. McDougle (2023)
Instrumental-motor Transfer
Neural Control of Movement 2023, Victoria, Canada

Hanna Hillman, Tabea Botthof, & Samuel D. McDougle (2022)
Evidence for Dual Processes in Motor Working Memory
Society for Neuroscience 2022, San Diego, CA

Juliana Trach, Megan deBettencourt, Angela Radulescu, & Samuel D. McDougle (2022)
Reward Prediction Errors Modulate Attentional Vigilance
Society for Neuroscience 2022, San Diego, CA
Alexander D. Forrence & Samuel D. McDougle (2022)
Does Human Motor Adaptation Require Conscious Awareness of Errors?
Society for Neuroscience 2022, San Diego, CA

Benjamin Parrell, Chris Naber, Olivia A. Kim, Caroline Nizolek, & Samuel D. McDougle (2022)
Sensory Errors Drive Speech Adaptation even in the Absence of Overt Movement
Society for Neuroscience 2022, San Diego, CA

Sami Yousif & Samuel D. McDougle (2022)
Common Coordinate Systems for Perception and Action
Vision Sciences Society 2022

Hanna Hillman & Samuel D. McDougle (2022)
Two Components of Motor Working Memory
Neural Control of Movement 2022, Dublin, Ireland

Olivia A. Kim, Alexander D. Forrence, & Samuel D. McDougle (2021)
Sensory Prediction Errors are Sufficient for Implicit Adaptation of Withheld Movements
Neural Control of Movement 2021

Guy Avraham, Jordan A. Taylor, Richard B. Ivry, & Samuel D. McDougle (2019)
Is Visuomotor Adaptation Classical Conditioning?
Neural Control of Movement 2019, Toyama, Japan

Samuel D. McDougle, Sonia Bishop, & Anne G.E. Collins (2019)
Behavioral and Neural Signatures of Reinforcement Learning with Arbitrary Pseudo-rewards
Society for Neuroscience 2019, Chicago, IL

William Ryan, Samuel D. McDougle, & Anne G.E. Collins (2019)
Working Memory Contributions to Probabilistic Reinforcement Learning
RLDM 2019, Montreal, Canada

James W. Antony, Samuel D. McDougle, Tom Harthshorne, Todd Gureckis, Uri Hasson, & Kenneth A. Norman (2019)
March Madness: Behavioral, Physiological, and Neural Effects of Continuously Updated Surprise and Suspense
Society for Neuroscience 2019, Chicago, IL

Samuel D. McDougle & Anne G.E. Collins (2019)
Uncertainty in Choice Policy Explains Reaction Time: Toward a Unified Account of Set Size, Repetition, Delay, and Learning Effects on Choice Reaction Time
Cognitive Neuroscience Society 2019, San Francisco, CA

Samuel D. McDougle, Peter A. Butcher, Darius Parvin, Fasil Mushtaq, Yael Niv, Richard B. Ivry, & Jordan A. Taylor (2018)
Neural Signatures of Reward Prediction Errors in a Decision-Making Task are Modulated by Action Execution Failures
Society for Neuroscience 2018, San Diego, CA
Samuel D. McDougle & Jordan A. Taylor (2018)
Parametric Versus Discrete Working Memory Representations in Sensorimotor Learning
Neural Control of Movement 2018, Santa Fe, NM

Samuel D. McDougle, Richard B. Ivry, & Jordan A. Taylor (2017)
Dissociable Effects of Cerebellar Degeneration on Continuous versus Discrete Working Memory Transformations
Gordon Research Conference: Cerebellum 2017, Lewiston, ME

Samuel D. McDougle & Jordan A. Taylor (2017)
Leveraging the Motor System to Reveal Intermediate Cognitive States
Society for Neuroscience 2017, Washington D.C.

Samuel D. McDougle & Jordan A. Taylor (2017)
Between Zero and One: Evidence for an Analog Computation in the Re-planning of Movements
Neural Control of Movement 2017, Dublin, Ireland

Samuel D. McDougle, Nicholas B. Turk-Browne, & Jordan A. Taylor (2016)
Recalibration, Heuristics, and Learning de novo: On the Multiple Processes of Sensorimotor Learning and the Role of the Medial Temporal Lobe
Society for Neuroscience 2016, San Diego, CA

Samuel D. McDougle, Krista M. Bond, & Jordan A. Taylor (2016)
The Consequences of Aim-Based Generalization on Visuomotor Adaptation
Neural Control of Movement 2016, Montego Bay, Jamaica

Samuel D. McDougle, Matthew J. Crossley, Matthew B. Boggess, Richard B. Ivry, & Jordan A. Taylor (2015)
Credit Assignment in Movement-Dependent Reinforcement Learning
Learning & Memory 2015, Austin, TX

Samuel D. McDougle, Krista M. Bond, & Jordan A. Taylor (2015)
The Role of Reward, Punishment, and Movement Direction on Implicit Sensorimotor Learning*
Progress in Motor Control 2015, Budapest, Hungary *(Best Poster award)

Samuel D. McDougle, Krista M. Bond, & Jordan A. Taylor (2015)
Explicit and Implicit Processes Underlie Fast and Slow Processes of Motor Learning
Neural Control of Movement 2015, Charleston, SC

Peter A. Butcher, Richard B. Ivry, Samuel D. McDougle, Sheng-Han Kuo, David Rydz, John W. Krakauer, & Jordan A. Taylor (2015)
Cerebellar Degeneration Disrupts Aiming Strategies and Motor Adaptation in a Sensorimotor Learning Task
Gordon Research Conference, Cerebellum: Circuit Physiology, Computation and Disease 2015, Lewiston, ME

Samuel D. McDougle, Richard B. Ivry, & Jordan A. Taylor (2014)
Sensory Prediction Errors Affect Reinforcement Learning
Society for Neuroscience 2014, Washington D.C.
Charlotte Arlt, Farzaneh Najafi, Samuel D. McDougle, Samuel S.-H. Wang, Ilker Ozden, & Javier F. Medina (2010)
Eyeblink Conditioning and In Vivo Calcium Imaging in Mice Walking on a Floating-Ball Apparatus
Society for Neuroscience 2010, San Diego, CA

Teaching

Yale
Primary Instructor: Introduction to Psychology (Yale University)
Primary Instructor: Learning & Memory (Yale University)
Primary Instructor: Cognitive Psychology (Yale University)
Primary Instructor: Human Skill Learning (Yale University)
Primary Instructor: The Science and Culture of Memory (Yale University, selected by FAS Dean’s office in a competitive cross-divisional course proposal call; Psychology + English Department)

Co-Instructor: Psychology Graduate Proseminar (Yale University)
Guest Instructor: Foundations of Neuroscience: Biological Bases of Human Behavior (Yale University)
Guest Instructor: Seminar in Cognitive Science (Yale University)

Other
Primary Instructor: The Cerebellum & Cognition (Yale University/UC Berkeley, online course)
Primary Instructor: Introduction to Psychology (Yale Prison Education Initiative)
Lead Lecturer: Introduction to Psychology (Princeton Prison Teaching Initiative)
Teaching Assistant: Cognitive Psychology (Princeton University)

Private Tutor: Math and Biology (Bespoke Education, New York City)

Mentoring

Research Lab Mentorship
Graduate Students, Postdocs, and RAs
Zekun Sun (2023-), postdoc (Yale)
Christopher Hewitson (2021-), postdoc (Yale)
Olivia Kim (2020-2022), visiting postdoc (Princeton/Yale) [*Now Assistant Professor at Bates*]
Hanna Hillman (2020-), graduate student (Yale)
Juliana Trach (2020-), graduate student (Yale)
Sami Yousif (2020-2022), co-advised graduate student (Yale) [*Now postdoc at UPenn*]
Liang Zhou (2022-), visiting graduate student (UCL/Yale)
Naser Al-Fawakhir (2022-2023), research assistant (Yale)
Alexander Forrence (2020-), research assistant (Yale)
Eivinias Butkus (2020-2021), visiting research assistant (Yale) [*Now PhD student at Columbia*]

Undergraduate RAs
Liz Pandolpho (2023-), undergraduate (Yale)
Stephanie Hu (2023-), undergraduate (Yale)
Taylor McClure (2023-), undergraduate (Yale)
Tolu Adanri (2022-), undergraduate (Yale)
Ophelia Pilkinton (2022-), undergraduate (Yale)
Samantha Goodcase (2022-), undergraduate (Yale)
Sarosh Kayani (2022-), undergraduate (Yale)
Addison Beer (2021-), undergraduate (Yale)
Tal Boger (2021-), undergraduate (Yale)
Katherine Chou (2021-), undergraduate (Yale)
Parisa Vaziri (2021-), undergraduate (Yale)
Sabrina Santos De-Leon (2022), visiting undergraduate (University of Puerto Rico)
Michael Irias (2021-22), undergraduate (Yale) [*Now Psychology PhD student (U. of Florida)*]
Tabea Buthof (2021-22), undergraduate (Yale) [*Now professional hockey player (Sweden)*]
Jed Burde (2021-2022), undergraduate (Yale)
Cameron Berg (2021-2022), undergraduate (Yale) [*Now software engineer at Meta*]
Eddie Yu (2020-2021), undergraduate (Yale)
David Zheng (2020-2021), undergraduate (Yale)

Pre-Yale Mentees
Eliana Shaulson (2019), undergraduate (Berkeley)
Ham Huang (2018-2019), undergraduate (Berkeley) [*Now research assistant at UPenn*]
Helen Lu (2018-2019), undergraduate (Berkeley) [*Now research scientist at GIT*]
Seo Yoon Oh (2018), undergraduate (Berkeley)
Mitashee Das (2017), undergraduate (Princeton)
André Belarmino (2015), undergraduate (Princeton) [*Now resident MD at UCLA*]
Krista Bond (2014-2017), research assistant (Princeton) [*Now PhD student at CMU*]

Dissertation Committees
Kathryn Graves, Yale Psychology (Committee Chair)
Sami Yousif, Yale Psychology (Committee Chair)
Emory Richardson, Yale Psychology
Lena Skalaban, Yale Psychology
Michael Lopez-Brau, Yale Psychology
Ashleigh Rutherford, Yale Psychology
Siqi Fan, Yale Psychology

Prospectus and Theme Essay Reader
Amanda Royka, Yale Psychology
Erica Busch, Yale Psychology
Prabaha Gangopadhyay, Yale Psychology
Ashleigh Rutherford, Yale Psychology
Hanna Hillman, Yale Psychology
Juliana Trach, Yale Psychology

Interdepartmental Neuroscience Program
Marie McCusker (Quals)
Neil Savalia (Quals)

Undergraduate Academic Advising
Santiago Calderon (Yale ’24), Psychology
Daniela Naumov (Yale ’24) Neuroscience
Samantha Goodcase (Yale ’24), Neuroscience
Derek Song (Yale ’25), Neuroscience
Owen Hacker (Yale ’26)
Anjal Jain (Yale ’26)
Modupe Karimi (Yale ’26)
Hugo Lehrach (Yale ’26)

Senior Thesis Advising
Cameron Berg, Yale Cognitive Science ('22 Glushko prize winning thesis)
Tal Boger, Yale Psychology
Tabea Botthof, Yale Psychology
Ophelia Pilkinton, Yale Neuroscience
Aparajita Chauhan, Yale Psychology
Addison Beer, Yale Cognitive Science
Yehia Elkersh, Yale Cognitive Science
Sarosh Kayani, Yale Neuroscience
Patrick Brown, Yale Neuroscience
Alex Lance, Yale Psychology
Sonia Lingos-Utley, Yale Cognitive Science
Sam Ryan, Yale Psychology
Arielle Tessier, Yale Psychology

Service & Outreach

Yale
Co-chair, Committee for Racial Equity & Justice (CREJ) (Yale Psychology) 2022-2023
Instructor and initiator of YPEI’s psychology curriculum, Yale Prison Education Initiative (Yale) 2021-
Organizer, Current Works in Developmental & Cognitive Psychology (Yale) 2021-2022

Member, Psychology Neuroscience Area Search Committee (Yale) 2022
Member, Psychology Open Area Search Committee (Yale) 2021
Member, Committee for Racial Equity & Justice (Psychology dpt.) (Yale) 2020-
Member, Student Awards Committee (Yale) 2020-
Member, Psychology Dpt. Hiring Reading Group (Yale) 2020-2022
Member, Wu Tsai Institute Speaker Series Committee (Yale) 2023
Member, Wu Tsai Institute Conference Committee (Yale) 2023

Reader, Senior Essays (Psychology) (Yale) 2021-
Reader, Senior Essays (Cognitive Science) 2021-
Reader, Senior Theses (Neuroscience) 2021-

Reviewer, Yale College Dean's Summer Research Fellowship 2023
Judge, Spring Minorities Symposium 2022
Judge, Angier Prize (Psychology Essays) 2021
Judge, Senior Showcase 2020
Panelist, Yale Postgrad Research Symposium 2022

Other
Faculty Advisor, Innovators in Cognitive Neuroscience Organizing Committee 2022-2023
Instructor & Group Leader, Princeton Prison Teaching Initiative (Princeton) 2014-2016
Ad Hoc Reviewing

Journals

Behavioral Neuroscience
Cerebral Cortex
Cognition
Cognitive, Affective, and Behavioral Neuroscience
Consciousness & Cognition
COSYNE
Current Biology
Current Opinion in Behavioral Sciences
eLife
eNeuro
Experimental Brain Research
Journal of Cognitive Neuroscience
Journal of Experimental Child Psychology
Journal of Experimental Psychology: General
Journal of Experimental Psychology: Human Perception & Performance
Journal of Mathematical Psychology
Journal of Neurophysiology
Journal of Neuroscience
Journal of Vision
Motor Learning & Motor Control
Nature Communications
Nature Human Behavior
Neural Computation
NeuroImage
Neuroscience
Neuroscience and Biobehavioral Reviews
npj Science of Learning
PLoS Computational Biology
PLoS ONE
PNAS
Psychonomic Bulletin and Review
Quarterly Journal of Experimental Psychology
Scientific Reports
Trends in Cognitive Sciences

Granting Agencies

Domestic
NIH: Learning, Memory, and Decision Neuroscience study section (panelist)
NSF/NIH: Collaborative Research in Computational Neuroscience Program (panelist)
NSF (ad hoc reviewer)

International
Wellcome Trust, UK (ad hoc reviewer)
Israel Science Foundation (ad hoc reviewer)
Editing

*eLife* (Guest Reviewing Editor)

Other Activities

*Science Writer/Contributor*: Wrote pieces for media outlets including *The Atlantic*, *Motherboard (Vice Media)*, and *The World Science Festival* (2011-2014)

*Editorial Consultant*: Worked for Samsung (via Razorfish LLC) developing a tech and culture mobile app (2012)

*Musician/Music Educator*: Competition fiddler/mandolinist/guitarist: Roxbury Fiddle Contest (Blue ribbon in band competition; Red ribbons in old-time fiddle and mandolin); Charlie Poole Music Festival (Red ribbon in old-time fiddle; Red ribbon in bluegrass guitar); Former member (fiddle/guitar) of musical groups "The Powder Kegs" and “Tumbling Bones;” European and US touring at folk festivals and venues, including an appearance on American Public Media’s *A Prairie Home Companion* (2007) where we were winners of the “Band’s in their Twenties” competition; private fiddle/mandolin/guitar instructor (2009-2012); Current member, “Audrey Mae” (CT-based bluegrass band).