

# Debbie M. Yee

## *Curriculum Vitae*

March 2026

### Contact

Cognitive & Psychological Sciences Department  
Brown University  
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### Academic Appointments

2026-Present    Assistant Professor, University of Iowa  
Department of Psychology  
Iowa Neuroscience Institute

2019-2026    Postdoctoral Research Associate, Brown University  
Advisors: Amitai Shenhav (Primary), Steven Rasmussen (Secondary), Laura Stroud (Secondary)

### Education and Training

2013-2019    Ph.D. in Psychological & Brain Sciences, Washington University in St. Louis  
Advisor: Todd Braver  
*Dissertation*: “Neural Mechanisms of Motivational Incentive Integration and Cognitive Control”

2013-2015    M.A. in Psychological & Brain Sciences, Washington University in St. Louis

2007-2011    B.S. in Brain & Cognitive Sciences, Massachusetts Institute of Technology

### Honors and Awards

2026    Career Development Institute of Psychiatry, *Fellow*

2026    Society of Biological Psychiatry Early Career Travel Fellowship Award

2025    The Brain Prize and FENS Travel Stipend, Principles of the Adaptive Mind Brain Conference

2025    Brown Postdoctoral Excellence Award for Community

2024-2029    NIH Pathway to Independence Award (K99/R00)

2022-2024    NIH Advancing Research Careers of Women and PEERs in Brain Science Award

2021-2023    NIH Computational Psychiatry Training Fellowship (T32)

2019    Teaching Citation, Washington University

2019    Mentorship/Collaboration Award, Scientific Research Network on Decision Neuroscience & Aging

2017    Outstanding Teaching Assistant Award, Psychological & Brain Sciences Dept, WashU

2017    Summer School in Social Neuroscience and Neuroeconomics Fellow

2016    Kavli Summer Institute for Cognitive Neuroscience Fellow

2015, 2017    Reinforcement Learning & Decision-Making Student Travel Fellowship

2017-2019    NIH National Research Service Award Pre-Doctoral Fellowship (F31)

2016    NIH Aging and Development Training Fellowship (T32)

2014-2016    NIH Cognitive, Computational & Systems Neuroscience Training Fellowship (T32)

2014, 2015    National Science Foundation Graduate Research Fellowship, *Honorable Mention*

2010    MIT Undergraduate Research Opportunities Program Direct Funding

2007    Intel Science Talent Search, *Semifinalist*

2005    Siemens Competition, *Semifinalist*

## Research Grants (Active)

NIMH/NIH – K99/R00 Pathway to Independence Award  
*Neurocomputational mechanisms of serotonin, sustained stress, and mental effort allocation*  
Dates: 09/2024–08/2029; Total Direct Costs: \$981,196  
Role: PI (K99-MH133912)

## Research Grants (Completed)

NINDS/NIH – Advancing Research Careers of Women and PEERs in Brain Science Award  
*Investigating the role of serotonin in aversive motivation and mental effort allocation*  
Dates: 03/2022–03/2024; Direct Costs: \$25,000  
Role: ARC Scholar (on R25-NS124530; MPIs: Lipscombe and Aizenman)

Brown University – Office of the Vice President Research Seed Award  
*Dissociating neurocomputational mechanisms underlying positive and negative motivations for cognitive effort persistence*  
Dates: 6/1/2020–6/30/2022; Direct Costs: \$49,000  
Role: Co-PI (PI: Shenhav)

Mallinckrodt Institute Radiology/Washington University  
*Dopaminergic and neural mechanisms of incentive integration and motivated cognitive control*  
Dates: 12/2017–12/2018; Direct costs: \$22,749  
Role: Co-wrote grant, planning/coordinating PET-MR pilot study and data collection (PI: Braver)

NIA/NIH – Scientific Research Network on Decision Neuroscience and Aging Pilot Award  
*Interactions of motivational incentives and cognitive control in older adult decision-making*  
Dates: 6/1/2017–8/31/2018; Direct Costs: \$30,000  
Role: Subaward PI (on R24-AG054355; PI: Samanez-Larkin)

NIDA/NIH – F31 National Research Service Individual Predoctoral Fellowship  
*Neural mechanisms of incentive integration and motivated cognitive control*  
Dates: 01/01/2017–08/31/2019  
Role: PI (F31-DA042574)

## Recent Preprints / Forthcoming

\*denotes shared first authorship

1. **Yee, D.M.**, Prater Fahey, M., Leng, X., Tarlow, M., Kim, J., Mundy, K., Nevin, S., Shenhav, A. Neurocomputational mechanisms underlying the distinct motivational influences of reward and punishment on cognitive control. *bioRxiv*. <https://www.biorxiv.org/content/10.1101/2025.10.17.682886v2>

## Publications

\*denotes shared first authorship

<sup>§</sup>denotes trainee

1. Morningstar, M., Gravelle, M., Dickstein, D.P., Silk, J.S., Dahl, R.E., Nelson, E.E., **Yee, D.M.**, Stroud, L.R. Reduced amygdala habituation to anticipated social rejection in youth with major depressive disorder. *Under revision at Journal of Affective Disorders*.
2. Weber L., **Yee D.**, Small D., Petzschn F. (2025). The interoceptive origin of reinforcement learning. *Trends in Cognitive Sciences*.
3. \*Prater Fahey, M., \***Yee, D.M.**, Leng, X., Tarlow, M., Shenhav, A. (2025). Motivational context determines the impact of aversive outcomes on mental effort allocation. *Cognition*.
4. **Yee, D.M.** Neural and Computational Mechanisms of Motivation and Decision-making. (2024). *Journal of Cognitive Neuroscience*.
5. **Yee, D.M.**, Crawford, J.L., Braver, T.S. (2022). An fMRI Protocol for Scanning with Liquid Incentives in Humans. *STAR Protocols*.

6. \*Vilgis, V., \*Yee, D.M., Silk, T., Vance, A. (2022). Distinct Neural Profiles of Verbal vs. Spatial Working Memory in Boys with ADHD and Boys with Persistent Depressive Disorder. *Cognitive, Affective, Behavioral Neuroscience*.
7. Yee, D.M., Leng, X., Shenhav, A., Braver, T.S. (2022). Aversive Motivation and Cognitive Control. *Neuroscience and Biobehavioral Reviews*. 133 (104493).
8. Leng, X., Yee, D., Ritz, H., Shenhav, A. (2021). Dissociable influences of reward and punishment on adaptive cognitive control. *PLOS Computational Biology*.
9. Yee, D.M., Crawford, J.L., Lamichhane, B., Braver, T.S. (2021). Dorsal Anterior Cingulate Cortex Encodes the Integrated Incentive Motivational Value of Cognitive Task Performance. *Journal of Neuroscience*. 41(16):3707-3720.
10. Crawford, J., Yee, D.M., Hallenbeck, H.W., Naumann, A., Shapiro, K., Thompson, R.J., Braver, T.S. (2020). Dissociable effects of monetary, liquid, and social incentives and cognitive control. *Frontiers in Psychology*.
11. Yee, D.M., Adams, S., Beck, A., Braver, T.S. (2019). Age-Related Differences in Motivational Integration and Cognitive Control. *Cognitive, Affective, Behavioral Neuroscience*. 19(3):692-714.
12. Yee, D.M., Braver, T.S. (2018). Interactions of Motivation and Cognitive Control. *Current Opinion in Behavioral Sciences*. 19:83-90.
13. Yee, D.M., Krug, M.K., Allen, A.Z., Braver, T.S. (2016). Monetary and Liquid Incentives Combine to Motivate Cognitive Task Performance. *Frontiers in Psychology*. 6:2037.
14. Solway, A., Diuk, C., Cordova, N., Yee, D., Barto, A., Niv, Y., Botvinick, M.M. (2014). Optimal Behavioral Hierarchy. *PLoS Computational Biology*. 10(8)
15. Blackburne, L.K., Eddy, M., Kalra, P., Yee, D., Sinha, P., Gabrieli, J.D.E. (2014). Neural Correlates of Letter Reversal in Children and Adults. *PLoS ONE*. 9(5)

### Book Chapters

1. Yee, D.M., Braver T.S. (2023). Neurocomputational Models of Cognitive Control. In R. Sun (Ed.), *The Cambridge Handbook of Computational Cognitive Sciences*. Cambridge University Press.
2. Yee, D.M., Braver, T.S. (2020). Computational Models of Cognitive Control: Past and Current Approaches. In P. Series (Ed.), *Computational Psychiatry: A Primer* (pp. 83-104). MIT Press.

### Manuscripts in Prep

\*denotes shared first authorship

1. \*Yee, D.M., \*Hallenbeck, H.W., Thompson, R. Towards an integrative computational model of affect and decision-making: predictions and implications for major depressive disorder.
2. Mundy, K.M., Yee, D.M., Prater Fahey, M., Leng, X., Shenhav, A. Learning from Reward and Negative Outcomes to Drive Mental Effort: Subjective and Objective Measures.
3. Yee, D.M., Wilson, R. Beyond Computational Behaviorism: Past, Present, and Future of Computational Cognitive and Affective Aging.

### Chaired Conference Symposia / Workshops

- 2026 Jun Computational modeling of reward and punishment as transdiagnostic processes in psychopathology.  
*European Society for Cognitive and Affective Neuroscience*. (Rome, Italy).
- 2025 Jun Representational Alignment and Aging  
*Multi-Disciplinary Conference on Reinforcement Learning and Decision Making*. (Dublin, Ireland).

Talk Title: *Bridging the gap: How do we facilitate representational alignment of socioemotional function in human and artificial intelligence?*

- 2022 *Apr* Neurocomputational Mechanisms of Motivational Influences on Decision-Making  
*Cognitive Neuroscience Society Meeting*. (San Francisco, CA).  
Talk Title: *Reward and aversive motivation influence distinct effort strategies for cognitive control allocation.*

### Conference Talks

- 2026 *Aug* Neural and computational mechanisms of motivation, affect, and cognitive control.  
*International Conference on Motivational and Cognitive Control*. (Helsinki, Finland).
- 2026 *Jun* Neural and computational mechanisms of motivation, affect, and cognitive control.  
*European Society for Cognitive and Affective Neuroscience*. (Rome, Italy).
- 2025 *Oct* Investigating the role of serotonin in stressor controllability and mental effort allocation.  
*Principles of the Adaptive Mind Brain Conference*. (Crete, Greece).
- 2024 *Aug* Neurocomputational mechanisms of motivational influences on mental effort  
*Computational Cognitive Neuroscience Conference*. (Cambridge, MA).
- 2024 *May* Motivational context determines the strategic allocation of aversive outcomes on cognitive control  
*European Society for Cognitive and Affective Neuroscience Meeting*. (Ghent, BE).
- 2022 *Jul* Reward and aversive motivation influence distinct effort strategies for cognitive control allocation.  
*European Society for Cognitive and Affective Neuroscience Meeting*. (Vienna, AT).
- 2021 *Apr* Psychiatric Symptom Dimensions are Associated with Positive and Negative Influences on Mental Effort.  
*Society for Affective Science Conference*. (Online)
- 2020 *Mar* Interactions Between Motivation and Cognitive Control in Older Adult Decision-Making.  
*Scientific Research Network on Decision Neuroscience and Aging Conference*. (Honolulu, HI).
- 2019 *Mar* Neural Mechanisms of Motivational Incentive Integration and Cognitive Control.  
*Cognitive Neuroscience Society Data Blitz*. (San Francisco, CA).
- 2018 *Nov* Neural mechanisms of motivational integration and cognitive control: Implications for healthy aging.  
*48<sup>th</sup> Annual Meeting for the Society for Neuroscience*. (San Diego, CA)

### Conference Papers

1. **Yee, D.M.**, Prater Fahey, M., Leng, X., Cheng, Z., Tarlow, M., Kim., J., Mundy, K., Nevins, S., Shenhav, A., Neurocomputational mechanisms of motivational influences on mental effort. *Computational Cognitive Neuroscience* (Cambridge, MA, Aug 2024).
2. Grahek, I., Leng, X., Prater Fahey, M., **Yee, D.M.**, Shenhav, A. Empirical and Computational Evidence for Reconfiguration Costs during Within-Task Adjustments in Cognitive Control. *Cognitive Science Society*. (Toronto, Canada, July 2022).
3. **Yee, D.M.**, Leng, X., Prater Fahey, M., Tarlow, M., Shenhav, A. Psychiatric Symptom Dimensions are Associated with Positive and Negative Influences on Mental Effort. *Society for Affective Science*. (Online, April 15-17, 2021).
4. Leng, X., Ritz, H., **Yee, DM.**, Shenhav, A. Dissociable influences of reward and punishment on adaptive cognitive control. *Cognitive Science Society*. (Toronto, Canada, July 2020).

## Conference Posters (Selected)

\*denotes shared first authorship

‡denotes trainee

1. **Yee, D.**, El Nemer, T., LeBlanc, G., Rasmussen, S., Shenhav, A. Investigating the Role of Serotonin in Stressor Controllability and Mental Effort Allocation. *Computational Psychiatry Conference*. (New Haven, CT, Jul 14-16, 2026).
2. ‡El Nemer, T., Shenhav, A., **Yee, D.** Learning and generalization of stressor controllability for mental effort allocation. *Computational Psychiatry Conference*. (New Haven, CT, Jul 14-16, 2026).
3. ‡LeBlanc, G., El Nemer, T., Rasmussen, S., Shenhav, A., **Yee, D.** Investigating Heart Rate as a Physiological Measure of Stressor Controllability and Mental Effort Allocation. *Mind Brain Research Day*. (Providence, RI, Mar 26, 2026).
4. ‡El Nemer, T., Shenhav, A., **Yee, D.** Learning and generalization of stressor controllability for mental effort allocation. *Society of Biological Psychiatry Annual Meeting*. (New York, NY, Apr 30-May 2, 2026).
5. **Yee, D.**, El Nemer, T., Rasmussen, S., Shenhav, A. Investigating the Role of Serotonin in Stressor Controllability and Mental Effort Allocation. *Society of Biological Psychiatry Annual Meeting*. (New York, NY, Apr 30-May 2, 2026).
6. **Yee, D.**, El Nemer, T., Rasmussen, S., Shenhav, A. Investigating the role of serotonin in stressor controllability and mental effort allocation. *Principles of the Adaptive Mind Brain Conference*. (Crete, Greece, Oct 27-31, 2025).
7. Cheng, Z., **Yee, D.**, Brooks, H., Tarlow, M., Kim, J., Leng, X., Prater Fahey, M., Shenhav, A. Distinct neurocomputational signatures of mental effort when motivated by success vs. failure. *Society for Neuroscience Meeting*. (San Diego, CA, Nov 15-19, 2025).
8. **Yee, D.**, El Nemer, T., Rasmussen, S., Shenhav, A. Computational Mechanisms of sustained stressor controllability and cognitive control allocation. *Neurobiology of Psychedelics Gordon Research Conference*. (Smithfield, RI, July 13-18, 2025).
9. **Yee, D.**, El Nemer, T., Rasmussen, S., Shenhav, A. Developing a Novel Experimental Probe to Investigate the Mechanisms of Stressor Controllability and Cognitive Control Allocation. *Society of Biological Psychiatry Annual Meeting*. (Toronto, CA, April 24-26, 2025).
10. Overmeyer, R., Förster Ribet C., **Yee, D.**, Endrass T. Disentangling the effect of valence and magnitude on feedback processing in a Flanker task. *Society for Psychophysical Research Meeting*. (Prague, CZE, Oct 23-26, 2024).
11. **Yee, D.M.**, Prater Fahey, M., Leng, X., Tarlow, M., Kim, J., Mundy, K., Nevins, S., Shenhav, A. Decomposing the neurocomputational mechanisms of reward and aversive motivation on mental effort allocation. *Society for Neuroscience Meeting*. (Washington D.C., Nov 11-15, 2023).
12. ‡Mundy, K., **Yee, D.M.**, Leng, X., Prater Fahey, M., Shenhav, A. Age-Related Differences in the Influence of Positive and Negative Incentives on Mental Effort. *Society for Affective Science Meeting*. (Virtual, April 2022).

## Invited Articles

Weston, SJ, **Yee, D.** Why You Should Become a User: A Brief Introduction to R. *The Observer* (29)3, Association for Psychological Science. (March 2017).

## Open Datasets

Etzel, J., **Yee, D.**, Lamichhane, B., Jeffers, M., Di Rosa, E., Crawford, J., An, H., Braver, T. (2018). Multiband Acquisition Dataset. <https://openneuro.org/datasets/ds001399/versions/00002>

## Invited Talks & Colloquia (Selected)

- 2026 *Feb* Alzheimer's Disease Research Center, University of Southern California (Los Angeles, CA; *Virtual*)
- 2026 *Feb* Department of Psychiatry and Behavioral Health, Stony Brook University (Stony Brook, NY)
- 2026 *Feb* Department of Psychology, George Mason University (Fairfax, VA)
- 2026 *Jan* Department of Psychology, Arizona State University (Tempe, AZ)
- 2025 *Dec* Department of Psychological and Brain Sciences, University of Iowa (Iowa City, IA)
- 2025 *Dec* Department of Neuroscience, American University (Washington DC)
- 2025 *Nov* Department of Psychology, Wesleyan University (Middletown, CT)
- 2025 *Nov* Department of Neuroscience, Bowdoin College (Brunswick, ME)
- 2025 *Oct* Center for Psychedelic & Consciousness Research, Johns Hopkins Medicine (Baltimore, MD)
- 2025 *Sept* B4 / Cognitive Brown Bag Talk Series, Dartmouth University (Hanover, NH)
- 2025 *May* Neurochemistry and Cognition Lab (PI: Berry), Brandeis University (Waltham, MA)
- 2025 *May* Center of Excellence in Computational Cognition, Georgia Tech (Atlanta, GA)
- 2025 *Jan* Department of Psychology, University of California Los Angeles (Los Angeles, CA)
- 2024 *Oct* Aging Interest Network Talk, Stony Brook University (Stony Brook, NY)
- 2024 *Mar* Webinars by Early Career Investigators in Addiction Neuroscience, NIDA (Bethesda, MD; *Virtual*)
- 2023 *Jun* Center for Cognitive Neuroscience Seminar, Ghent University (Ghent, BE)
- 2023 *Jun* Computational NeuroPsychiatry Seminar, Donders Institute Radboudumc (Nijmegen, NL)
- 2023 *Feb* Motivation and Social Neuroscience Lab & Social Neuroscience Lab (PIs: Apps, Lockwood), University of Birmingham (Birmingham, UK; *Virtual*)
- 2022 *Dec* Department of Psychology, Tufts University (Medford, MA)
- 2022 *Oct* Cognition, Brain, and Behavior Research Seminar, Harvard University (Cambridge, MA)
- 2022 *Jan* Neuroscience Research Group, University of Denver (Denver, CO; *Virtual*)
- 2021 *Oct* Cognitive Colloquium, Purdue University (West Lafayette, IN; *Virtual*)
- 2021 *Sept* Cognitive / Cognitive Neuroscience Seminar, University of Michigan (Ann Arbor, MI; *Virtual*)
- 2020 *Oct* Cognitive & Affective Neuroscience Lab (PI: Kensinger), Boston College (Boston MA)
- 2019 *Sept* Social and Cognitive Seminar, Brown University (Providence, RI)
- 2018 *May* Cognitive, Computational, and Systems Neuroscience Retreat (St. Louis, MO)
- 2017 *Oct* Shenhav Lab Meeting, Brown University (Providence, RI)
- 2017 *Nov* Washington University Neuroscience Retreat (St. Louis, MO)

## Teaching Experience and Certifications

- 2019 Completed Teaching Citation at Washington University
- 2014-17 Co-Instructor, Annual Introductory R & Advanced R workshops
- 2016-17 Teaching Assistant, Psych 5066 & 5067: Graduate Quantitative Methods I & II (WashU)
- 2018 *Fall* Guest Lecturer, Cognitive Neuroscience (WashU)
- 2019 *Spring* Guest Lecturer, Advanced Cognitive Neuroscience (WashU)
- 2022 *Spring* Guest Lecturer, Maladaptive Decision Making: Circuits and Mechanisms (WashU)
- 2023 *Spring* Guest Facilitator, Motivation and Effort (Brown)
- 2023 *Summer* Co-Organizer & Instructor, Carney Computational Modeling Workshop (Brown)
- 2024 *Summer* Organizer & Instructor, SRNDNA Computational Modeling Workshop (Penn)
- 2025 *Summer* Guest Lecturer, Carney BRAINSTORM Computational Modeling Workshop (Brown)

## Mentoring

### Master's Students

2025- Tvisha Shah (*Electrical and Computer Engineering*)

### Undergraduate Research Assistants

<sup>§</sup>denotes undergraduate honors thesis or independent study

#### Washington University in St. Louis

2014-2015 Harold Lee (*Mind Brain Behavior Program*)

2015-2016 <sup>§</sup>Jessica Weiss

*Thesis Title:* "Utilizing Measures of Impulsivity, Reward Processing, and Cognitive Control to Validate the Two-Factor Structure of Psychopathy."

*Post position:* Research Assistant at Washington University in St. Louis (PI: Todd Braver)

2015-2016 <sup>§</sup>Carolyn Dean Wolf

*Capstone Title:* Thesis Title: "Humans Integrate Primary Avoidance Behavior and Secondary Approach Behavior to Modulate Motivation and Cognitive Performance."

*Post position:* Lab Manager at Brown University (PI: Amitai Shenhav)

2015-2016 Rachel Lilenbaum

2015-2018 <sup>§</sup>Katie Shapiro (*SURA Awardee*)

*Capstone Title:* "Adolescent Motivation and Cognitive Control."

*Post position:* Research Assistant at Northwestern University School of Medicine

2016-2017 Marisa Gong (*Mind Brain Behavior Program*)

*Post position:* Bachelor of Nursing, University of Pennsylvania School of Nursing

2017-2018 <sup>§</sup>Aaditya Manirajan (*SURA Awardee*)

*Thesis Title:* "Pavlovian-Instrumental Transfer Study with Monetary and Liquid Incentives"

2017 Sarah Finlay

2018 Casey Mason (*SURA Awardee*)

2018 Sara Hendrix

#### Brown University

2020-2023 <sup>§</sup>Kaitlyn Mundy (*UTRA Awardee*)

*Thesis title:* "The Influence of Learned Positive and Negative Motivational Incentives on Cognitive Control"

(Awarded Cognitive Neuroscience premium for research excellence)

*Post position:* Lab Manager at Columbia University (PI: Meghan Meyer)

2021-2023 Sam Nevins

*Post position:* Fulbright Scholar in Uruguay

2023-2026 <sup>§</sup>Tony El Nemer (*UTRA & Advanced Undergraduate Research Fellowship Awardee*)

*Thesis Title:* Learning and generalization of stressor controllability and mental effort allocation

## Professional Memberships

Association for Psychological Science • Association for Women in Science • Cognitive Neuroscience Society • Psychonomics • Society for Affective Science • Society for Neuroeconomics • Society for Neuroscience • Society for Biological Psychiatry • Society for Affective Science • Computational Cognitive Neuroscience

## Organization of Scientific Meetings

2020, 2022 Organizer, Growing Up in Aging Neuroscience Symposium, Brown University

## Guest Editor

2025 The Journals of Gerontology, Series B: Psychological Sciences and Social Sciences  
*Special Issue: Decision Neuroscience on Aging*

2024 Journal of Cognitive Neuroscience  
*Special Focus: Neurocomputational Mechanisms of Motivation and Decision-Making*

## Ad Hoc Journal Reviewer

**Neuroscience** Proceedings of the National Academy of Sciences • PLOS Computational Biology • Brain and Behavioral Sciences • BRAIN • Cognitive Affective & Behavioral Neuroscience • Social Cognitive and Affective Neuroscience • Developmental Cognitive Neuroscience • Frontiers in Human Neuroscience • Frontiers in Behavioral Neuroscience • Journal of Psychiatry & Neuroscience • Neurobiology of Learning and Memory • NeuroImage • Neuroscience and Biobehavioral Review • Journal of Cognitive Neuroscience • Scientific Reports • eNeuro • Brain and Cognition • Cerebral Cortex\* • Nature Communications • Journal of Neuroscience • eLife

**Psychology / Cognitive Science** Affective Science • Collabra • International Journal of Developmental Sciences • Journal of Experimental Psychology: General • Journal of Gerontology • Motivation and Emotion • Emotion • Neuropsychologia • PLOS One • Psychological Research • Psychology and Aging • Psychonomic Bulletin & Review • Social and Personality Compass • Quarterly Journal of Experimental Psychology • Cognitive Science

**Clinical** Biological Psychiatry: Cognitive Neuroscience and Neuroimaging

## Ad Hoc Grant Reviewer

National Science Foundation

## Additional Training

2023 Stress and Cognition Summer School, Radboud University, *Nijmegen, NL*

2022 Mental Effort Workshop, *Brown University, Providence, RI*

2020 Carney Computational Modeling Workshop, *Brown University, Providence, RI*

2019 Harmonization Workshop, Scientific Research Network on Decision Neuroscience and Aging,  
*Miami, FL*

2018 Computational Psychiatry Workshop, *San Diego, CA*

2017 AFNI Bootcamp

2016 Computational Psychiatry Course, *Translational Neuromodeling Unit, Zurich, CH*

2013-2014 Cognitive, Computational, & Systems Neuroscience Pathway, *WUSTL, St. Louis*

## University and Community Service

2025-2027 Computational Cognitive Neuroscience Meeting, *Technical Program Committee*

2024 Carney Institute for Brain Science Postdoc Retreat, *Co-Organizer*

2022-2024 Brown Neuro Cognitive and Systems Neuroscience Journal Club, *Co-Organizer*

2021 CLPS Dept “How to Join a Research Lab”, *Panelist*

2021-2024 Carney Brain Science External Postdoc Seminar, *Speaker Selection Committee (Co-Chair)*

2021 CLPS Professional Development Series: The Postdoc, *Panelist*

2020-2021 CLPS Diversity & Inclusion Plan Committee, *Dept Culture Subcommittee Chair*

2017 Washington University NIH Fellowship Writing Workshop Mentor

2015-2018 Cognitive Computational Systems Neuroscience, *Steering Committee*

2014-2016 Psychology Grad Student Association, *Diversity Committee*

2014-2017 Association for Women in Science – St. Louis Chapter, *President*

2011-2018 MIT Educational Counselor (*Regional Chair from 2015-2018*)

## Advisory Boards

2022-2027 *Advisory Board Committee*, Scientific Research Network on Decision Neuroscience and Aging

## Public Outreach

2018 Teen Science Café Network Conference Panel: Understanding the Motivations of Scientist-Presenters, *Panelist* (2018)

2018 Teen Science Cafe, *St. Louis Science Center, Academy of Science STL, Cahokia HS*

## Press Releases & Media

“Federal science funding: it made my dreams come true”, *Commentary in Newsday* (March 2025)

“How we decide to love”, *Carney Conversations* (Feb 2022)

“Sum of incentives dictate efforts”, *Washington University Newsroom* (April 2021)

## Pre-Doctoral Research Experiences

2011-2013 Research Specialist, Princeton University (PI: Matthew Botvinick)

2009-2010 Research Assistant, Massachusetts Institute of Technology (PI: John Gabrieli)

## Other Skills

**Programming:** R (expert), Matlab (expert), bash/tcsh (expert), Python (intermediate)

**Neuroimaging:** fMRIPrep (expert), AFNI (expert), SPM (intermediate), Multiband Sequence Development for MRI Acquisition (expert), XNAT (expert)

**Computational Modeling:** Drift Diffusion Models (intermediate), Reinforcement Learning (intermediate)

**Languages:** English (native), French (beginner, conversational), Cantonese Chinese (conversational)

## References

Amitai Shenhav	<i>Associate Professor of Neuroscience at UC Berkeley</i>	(amitai@berkeley.edu)
Michael Frank	<i>Professor of CoPsy and Neuroscience at Brown</i>	(michael_frank@brown.edu)
Frederike Petzschnner	<i>Assistant Professor of CoPsy at Brown</i>	(frederike_petzschner@brown.edu)
Todd Braver	<i>Professor of Psychological &amp; Brain Sciences at WUSTL</i>	(tbraver@wustl.edu)
Laura Stroud	<i>Professor of Psychiatry &amp; Human Behavior at Brown</i>	(laura_stroud@brown.edu)
Deanna Barch	<i>Professor of Psychological &amp; Brain Sciences at WUSTL</i>	(dbarch@wustl.edu)
Steven Rasmussen	<i>Professor of Psychiatry &amp; Human Behavior at Brown</i>	(steven_rasmussen@brown.edu)
Duke Han	<i>Professor of Psychology, Family Medicine, Neurology, Gerontology</i>	(dukehan@usc.edu)