Megan T. deBettencourt

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Education & Employment

Senior Research Scientist, Ruby Neurotech, Redwood City, CA — 2023 - present

Consultant, Stanford University, Wu Tsai Human Performance Alliance — 2023 - 2024

Postdoctoral fellow, University of Chicago, Institute for Mind and Biology — 2016 - 2023
K99 BRAIN Initiative Advanced Postdoctoral Career Transition Award to Promote Diversity — 2022 - 2023
F32 NIMH Ruth L. Kirschstein National Research Service Award (NRSA) Postdoctoral Fellowship — 2018 - 2021

PhD Neuroscience, Princeton University, Princeton Neuroscience Institute — 2010 - 2016
National Science Foundation Graduate Research Fellowship (NSF GRFP) — 2012 - 2015

MA Neuroscience, Princeton University, Princeton Neuroscience Institute — 2010 - 2012

BS Applied Math *magna cum laude*, Columbia University, School of Engineering & Applied Sciences — 2016 - 2010

Research Interests

My research focuses on understanding how cognitive dynamics evolve over time and their profound impact on attention and memory. I specialize in developing brain-computer interfaces that predict and respond to attention lapses and memory failures in real time, including brain-based interventions such as neurofeedback and state-dependent triggering to address these challenges. My work leverages multiple cognitive neuroscience techniques, including EEG, fMRI, fNIRS, intracranial recordings, and pupillometry, together with adaptive experimental designs and machine learning algorithms, to enhance and optimize human cognitive performance.

Publications

student trainees are underlined
* indicates equal first authorship
§ indicates equal senior authorship

deBettencourt MT, Sakthivel S, Holmes EA, Chevillet M (submitted) AI-guided digital intervention with physiological monitoring reduces intrusive memories after experimental trauma. [Pre-print]

Corriveau A, Rosenberg MD, **deBettencourt MT** (submitted) Cognitive neurosience of attention and memory dynamics. [Pre-print]

Corriveau A, James AR Jr., **deBettencourt MT**, Rosenberg MD (in press) Sustained attentional state is a floodlight not a spotlight. *Journal of Experimental Psychology: General*. [Pre-print]

Trach JE, **deBettencourt MT**, Radulescu A, McDougle SD (2025). Rewards transiently and automatically enhance sustained attention. *Journal of Experimental Psychology: General*. [Pubmed]

Roberts BRT*, Pruin J*, Bainbridge WA, Rosenberg MD, **deBettencourt MT** (2024) Memory augmentation with an adaptive cognitive interfaces. *Psychonomic Bulletin Review*. [Pubmed]

Corriveau A*, Chao A*, **deBettencourt MT**§, Rosenberg MD§ (2024) Recognition memory fluctuates with sustained attention regardless of task-relevance. *Psychonomic Bulletin & Review* [Pubmed]

Tompary A, **deBettencourt MT**, Rouhani N (2024) Remembering Sarah DuBrow across All Contexts. *Journal of Cognitive Neuroscience* [Pubmed]

Turoman N, Fiave PA, Zahnd C, **deBettencourt MT**, Vergauwe E. (2024) Decoding the content of working memory in school-aged children. *Cortex* 171: 136-152. [Link]

deBettencourt MT, Bainbridge WA, Rosenberg MD (2023) Functional Neuroimaging. To appear in *APA Handbook of Research Methods in Psychology, 2nd Edition*. Eds: Drs. Harris Cooper, Abigail Panter, David Rindskopf, Kenneth Sher, Marc Coutanche, Linda McMullen. Copy available upon request.

Keene PA*, **deBettencourt MT***, Awh E, Vogel EK (2022). Pupillometry signatures of sustained attention and working memory. *Attention, Perception & Psychophysics*. 84(8): 2472-2482 [Pubmed]

Wakeland-Hart CD, Cao SA, **deBettencourt MT**§, Bainbridge WA§, Rosenberg MD§ (2022) Predicting visual memory across images and within individuals. *Cognition*. 227:105201 [Pubmed]

deBettencourt MT, Williams SD, Vogel EK, Awh E (2021) Sustained attention and spatial attention distinctly influence long-term memory encoding. *Journal of Cognitive Neuroscience*. [Pubmed]

Mennen AC, Turk-Browne NB, Wallace G, Seok D, Jaganjac A, Stock J, **deBettencourt MT**, Cohen JD, Norman KA, Sheline YI (2021) Cloud-based fMRI neurofeedback to reduce the negative attentional bias in depression: a proof-of-concept study. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging.* 6(4):490–497 [Pubmed]

Hakim N, **deBettencourt MT**, Awh E, Vogel EK (2020) Attention fluctuations impact ongoing maintenance of information in working memory. *Psychonomic Bulletin & Review*. 27(6): 1269–1278. [Pubmed]

deBettencourt MT, Keene PA, Awh E, Vogel EK (2019) Real-time triggering reveals concurrent lapses of attention and working memory. *Nature Human Behaviour*. 3: 808–816. [Pubmed]

deBettencourt MT, Turk-Browne NB, Norman KA (2019) Neurofeedback helps to reveal a relationship between context reinstatement and memory retrieval. *NeuroImage*. 200: 292–301. [Pubmed]
- Featured in BrainPost

Adam KCS* & **deBettencourt MT*** (2019) Fluctuations of attention and working memory. *Journal of Cognition*. [Pubmed] Invited commentary on Oberauer (2019).

deBettencourt MT, Norman KA, Turk-Browne NB (2018) Forgetting from lapses of sustained attention. *Psychonomic Bulletin & Review*. 25:605–611. [Pubmed]

deBettencourt MT & Norman KA (2016) Neuroscience: Incepting associations. *Current Biology*. 26(14): R673–5. [Pubmed]. Invited commentary on Amano et al. (2016) [Link]

Schnyer DM, Beevers CG, **deBettencourt MT**, Sherman SM, Cohen JD, Norman KA, Turk-Browne NB (2015) Neurocognitive therapeutics: from concept to application in the treatment of negative attention bias. *Biology of Mood & Anxiety Disorders*. 5: 1. [Pubmed]

deBettencourt MT, Cohen JD, Lee RF, Norman KA, Turk-Browne NB (2015) Closed-loop training of attention with real-time brain imaging. *Nature Neuroscience*. 18(3): 470 – 475. [Pubmed]
- Featured in News & Views, The Atlantic, The New York Times

Stoeckel L, Garrison KA, Ghosh S, Wighton P, Hanlon CA, Gilman JM, Greer S, Turk-Browne NB, **deBettencourt MT**, Scheinost D, Craddock C, Thompson T, Calderon V, Bauer CC, George M, Breiter HC, Whitfield-Gabrieli S, Gabrieli JD, LaConte SM, Hirshberg LM, Brewer JA, Hampson M, van der Kouwe A, Mackey S, Evins AE (2014) Optimizing real-time fMRI for neurotherapeutic discovery and development. *NeuroImage: Clinical*. 5: 245 – 255. [Pubmed]

Kalbfleisch ML, **deBettencourt MT**, Kopperman R, Banasiak M, Roberts JM, Halavi M (2013) Environmental influences on neural systems of relational complexity. *Frontiers in Psycholology*. 4: 631. [Pubmed]

deBettencourt MT, Goldman RI, Brown TR, Sajda P (2012) Adaptive thresholding to improve sensitivity in single-trial simultaneous EEG/fMRI. *Frontiers in Psychology*. 2: 91. [Pubmed]

Grants & Fellowships

BRAIN Initiative Advanced Postdoctoral Career Transition Award to Promote Diversity (K99/R00) 2022–2026
$966,836 total costs awarded, active for 1 year, Title: *Long-term consequences of visual working memory*

Ruth L. Kirschstein National Research Service Award Postdoctoral Fellowship (NRSA F32, NIMH) 2018–2021
$150,527 total costs, Title: *Real-time control of memory encoding*

National Science Foundation Graduate Research Fellowship (NSF GRFP) 2012–2015
$130,000 total costs

Honors & Awards

Trainee Professional Development Award, Society for Neuroscience 2021

Fellow, Institute for Mind and Biology, University of Chicago 2017–present

Post-doctoral Fellow Award, Cognitive Neuroscience Society, San Francisco CA	2019
Student Travel Award, Real-time Functional Imaging and Neurofeedback Conference, Gainesville, FL	2015
Summer Institute in Cognitive Neuroscience Fellowship, University of California, Santa Barbara	2014
Cognitive Science Society Best Student Presentation, Learning to Attend, Attending to Learn Workshop San Diego, CA	2013
Herbert Lewis Fellowship, The Graduate School, Princeton University	2011
Magna Cum Laude, School of Engineering and Applied Sciences, Columbia University	2010
Senior Marshal, School of Engineering and Applied Sciences, Columbia University	2010
Summer Undergraduate Research Fellowship, Department of Biological Sciences, Columbia University	2009
Summer Enhancement Fellowship Research Grant, Columbia University Scholars Program	2009
Wayne K. Kao Scholarship, School of Engineering and Applied Sciences, Columbia University	2007–2008
C. Prescott Davis Scholar, Columbia University Scholars Program	2006–2010

Talks & Presentations

Seminars & colloquia

Rice University, Cognitive Health Affective Tea, Houston TX	Mar. 2024
University of California San Francisco, Neuroscape Center, San Francisco CA	Apr. 2023
Stanford University, Department of Psychology, Stanford CA	Nov. 2022
Microsoft Research Lab, NYC NY	June 2022
Northeastern University, Center for Cognitive and Brain health, Boston MA (virtual)	Mar. 2022
University of Maryland, Department of Psychology, College Park MD (virtual)	Feb. 2022
Virginia Tech, Department of Psychology, Blacksburg VA (virtual)	Feb. 2022
Tulane University, Department of Psychology, New Orleans LA	Feb. 2022
Vanderbilt University, Biomedical Engineering & Vanderbilt Brain Institute, Nashville TN	Feb. 2022
Queen's University, Department of Psychology, Kingston ON (virtual)	Jan. 2022
Florida State University, Department of Psychology, Tallahassee Florida (virtual)	Jan. 2022
Purdue University, Department of Psychological Sciences, Cognitive Colloquium, West Lafayette IN (virtual)	Sept. 2021
Sabanci University, Department of Psychology, Istanbul Turkey (virtual)	May 2021
Leibniz Research Centre for Working Environment & Human Factors, Department of Ergonomics Dortmund Germany (virtual)	May 2021
University of California Los Angeles, Department of Psychology, Cognitive Forum, Los Angeles CA (virtual)	Feb. 2021
University of Toronto, Department of Psychology, Toronto ON (virtual)	Feb. 2021
Brown University, Department of Cognitive, Linguistic, and Psychological Sciences, Cognitive Seminar Providence RI (virtual)	Jan. 2021
University of California San Diego, Sensation and Perception Series, San Diego CA (virtual)	Jan. 2021
University of California Santa Barbara, Cognition, Perception & Cognitive Neuroscience Seminar Santa Barbara CA (virtual)	Dec. 2020
Carnegie Mellon University, Department of Psychology & Neuroscience, Pittsburgh PA	Feb. 2020
University of British Columbia, Cognition area workshop, Vancouver CA	Oct. 2019
University of Illinois, Urbana-Champaign, Cognitive brown bag, Champaign IL	Oct. 2019
Johns Hopkins University, Baltimore MD	May 2019
University of Chicago Medicine, Department of Neurology: Epilepsy, Chicago IL	Nov. 2017
Rutgers-Princeton Center for Computational Cognitive Neuropsychiatry, New Brunswick NJ	Feb. 2016
University of California Davis, Memory Group Meeting, Davis CA	Dec. 2015
National Institutes of Health, Bethesda MD	Apr. 2015

Workshop talks & presentations

Invited speaker & panelist, *Neuroethics and The Future of Reality Conference*, Princeton NJ [link] June 2023

Invited panelist, *The Attention Workshop: Bridging different perspectives on attention*, Neural Information Processing Systems (NeurIPS), New Orleans LA [link] Dec. 2022

Multivariate pattern analyses of EEG data, SwissMemDecoder, University of Geneva & University of Zurich Switzerland (virtual) Feb. 2021

Leveraging cognitive dynamics for real-time triggering From causality to enhancement—different methods for different goals, Real-time Functional Imaging and Neurofeedback, Maastricht, Netherlands Dec. 2019

Closing the loop: Tracking cognitive states in real time A Critical Examination of Real-Time fMRI Neurofeedback National Institutes of Health, Bethesda MD Mar. 2019

Conference talks

student trainees are underlined

Hakim N, **deBettencourt MT**, Padmanaban M, Xie T, Vogel EK, Awh E, Warnke. Single unit recordings in the human brain track sustained attention dynamics. Vision Sciences Society, St. Pete Beach, FL May 2022

deBettencourt MT, Vogel EK, Awh E. Multifaceted fluctuations of attention determine long-term memory Psychonomics Society, Austin, TX (virtual) Nov. 2020

Keene PA, **deBettencourt MT**, Awh E, Vogel EK. Real-time pupil triggering disentangles sustained attention from working memory. Object Perception, Attention & Memory conference, Austin, TX (virtual) Nov. 2020

deBettencourt MT, Keene PA, Awh E, Vogel EK. Fluctuations of attention and working memory. Psychonomics Society, Montreal, Canada Nov. 2019

deBettencourt MT, Keene PA, Awh E, Vogel EK. Concurrent fluctuations of attention and working memory. Society for Neuroscience, Chicago, IL Oct. 2019

deBettencourt MT, Keene PA, Awh E, Vogel EK. Real-time triggering reveals sustained attention and working memory lapse together. Vision Sciences Society, St. Pete Beach, FL May 2019

deBettencourt MT, Awh E, Vogel EK. Long-term consequences of working memory load. Society for Neuroscience, San Diego, CA Nov. 2018

deBettencourt MT, Williams SD, Awh E, Vogel EK. Manipulating attention influences memory encoding. Context and Episodic Memory Symposium, Philadelphia, PA May 2018

deBettencourt MT, Norman KA, Turk-Browne NB. Lapses of sustained attention cause later forgetting in visual long-term memory. Vision Sciences Society, St. Pete Beach, FL May 2016

deBettencourt MT, Turk-Browne NB, Norman KA. Using real-time fMRI neurofeedback to manipulate mental context. Context and Episodic Memory Symposium, Philadelphia, PA May 2015

deBettencourt MT, Cohen JD, Lee RF, Norman KA, Turk-Browne NB. Training sustained attention using real-time fMRI in healthy individuals. Association for Behavioral and Cognitive Therapies conference Philadelphia PA Nov. 2014

deBettencourt MT, Cohen JD, Lee RF, Norman KA, Turk-Browne NB. Closed-loop training of sustained attention with real-time fMRI neurofeedback. Society for Neuroscience, San Diego, CA Nov. 2013

Poster presentations

student trainees are underlined

Pruin J, Bainbridge WA, Rosenberg MD, **deBettencourt MT**. Memory augmentation with adaptive cognitive interfaces. Vision Sciences Society, St. Pete Beach, FL May 2022

Turoman N, Agbesi Fiave P, Zahnd C, **deBettencourt M**, Vergauwe E. Can we decode school-aged children's working memory contents? Our proof-of-concept study suggests so. Flux Society, Paris, France Sept. 2022

Trach JE, Burde J, **deBettencourt MT**, Radulescu A, McDougle S. Reward prediction error modulates sustained attention. Multidisciplinary Conference on Reinforcement Learning and Decision making (RLDM), Providence, RI June 2022

deBettencourt MT*, Hakim N*, Padmanaban M, Xie T, Vogel EK, Awh E, Warnke P. Direct recordings of sustained attentional state from the human brain. Society for Neuroscience, Chicago, IL Oct 2021

Wakeland-Hart CD, **deBettencourt MT**, Cao S, Bainbridge WA, Rosenberg MD. Building a comprehensive model of visual memory from images and individuals. Vision Sciences Society, St. Pete Beach, FL (virtual) May 2021

Wakeland-Hart CD, **deBettencourt MT**, Bainbridge WA, Rosenberg MD. Predicting memory from individual attentional state and image memorability. Object Perception, Attention & Memory conference (virtual) Nov. 2020

deBettencourt MT, Vogel EK, Awh E. Distinct temporal dynamics of sustained and spatial attention. Vision Sciences Society St. Pete Beach, FL (virtual) May 2020

Mennen A, Turk-Brown NB, Seok D, **deBettencourt MT**, Norman K, Sheline Y. Using closed-loop neurofeedback to help depressed patients escape negative states. Society of Biological Psychiatry New York, NY (canceled)	Apr. 2020
Hakim N*, **deBettencourt MT***, Awh E, Vogel EK, Warnke P. Examining sustained attention with subcortical recordings. Single Units and Human iEEG Conference, Birmingham UK (canceled)	Apr. 2020
Keene PA, **deBettencourt MT**, Awh E, Vogel EK. Pupillary signatures of attention and working memory fluctuations. Society for Neuroscience, Chicago, IL	Oct. 2019
deBettencourt MT, Keene PA, Awh E, Vogel EK. Monitoring fluctuations of attention in real time to influence memory. Context and Episodic Memory Symposium, Philadelphia, PA	May 2019
deBettencourt MT, Keene PA, Awh E, Vogel EK. Real-time triggering reveals that sustained attention and working memory lapse together. Cognitive Neuroscience Society, San Francisco, CA	Mar. 2019
deBettencourt MT, Awh E, Vogel EK. Predicting memory encoding by tracking attention. Real-time Functional Imaging and Neurofeedback conference, Nara, Japan	Nov. 2017
Mennen AC, Poppenk J, **deBettencourt MT**, Norman KA. Inhibiting scene memories through closed-loop modulation of retrieval strength. Real-time Functional Imaging and Neurofeedback conference, Nara, Japan	Nov. 2017
deBettencourt MT, Awh E, Vogel EK. Preparatory attentional control state influences later memory. Society for Neuroscience Washington, DC	Nov. 2017
Mennen AC, Poppenk J, **deBettencourt MT**, Norman KA. Inhibiting scene memories through closed-loop modulation of retrieval strength. Society for Neuroscience, Washington, DC	Nov. 2017
Suo D, Hutchinson J, **deBettencourt MT**, Mennen AC, Wang Y, Wilke T, Turk-Browne NB, Norman K, Cohen JD, Li K. Real-time fMRI analysis in the cloud. Society for Neuroscience , Washington, DC	Nov. 2017
deBettencourt MT, Turk-Browne NB, Norman KA. Enhanced perceptual processing of visual context benefits later memory. Vision Sciences Society, St. Pete Beach, FL	May 2017
deBettencourt MT, Turk-Browne NB, Norman KA. Externalizing the internal process of context reinstatement through closed-loop neurofeedback. Society for Neuroscience, San Diego, CA	Nov. 2016
Mennen AC, Poppenk J, **deBettencourt MT**, Norman KA. Weakening memories through closed-loop modulation of perceptual distraction. Society for Neuroscience, San Diego, CA	Nov. 2016
deBettencourt MT, Turk-Browne NB, Norman KA. Externalizing mental context reinstatement with closed-loop neurofeedback to support memory retrieval. International Conference on Memory, Budapest, Hungary	July 2016
deBettencourt MT, Turk-Browne NB, Norman KA. Reinstating mental context with closed-loop neurofeedback. Society for Neuroscience, Chicago, IL	Oct. 2015
deBettencourt MT, Norman KA, Turk-Browne NB. Relating sustained attention to visual long-term memory. Vision Sciences Society, St. Pete Beach, FL	May 2015
deBettencourt MT, Turk-Browne NB, Norman KA. Real-time fMRI neurofeedback of context to support memory retrieval. Real-time Functional Imaging and Neurofeedback conference, Gainesville, FL	Feb. 2015
Mukerji A, **deBettencourt MT**, Lewis-Peacock JA. Real-time neurofeedback of working memory usage during prospective remembering. Real-time Functional Imaging and Neurofeedback conference, Gainesville, FL	Feb. 2015
deBettencourt MT, Turk-Browne NB, Norman KA. Manipulating mental context in a memory task using real-time fMRI. Society for Neuroscience, Washington DC	Nov. 2014
Schnyer DM, **deBettencourt MT**, Beevers CG, Sherman S, Cohen JD, Norman KA, Turk-Browne NB. Development of real-time fMRI neurofeedback attention training for depression. Society for Neuroscience, Washington DC	Nov. 2014
Mukerji A, **deBettencourt MT**, Lewis-Peacock JA. Real-time neurofeedback of working memory usage during prospective remembering. Society for Neuroscience, Washington DC	Nov. 2014
Jackson-Hanen VE, Tompary A, **deBettencourt MT**, Turk-Browne NB. Training of visual categories through real-time fMRI neurofeedback. Context and Episodic Memory Symposium, Philadelphia, PA	May 2014
Jackson-Hanen VE, Tompary A, **deBettencourt MT**, Turk-Browne NB. Training of visual categories through real-time fMRI neurofeedback. Society for Neurosciences, San Diego, CA	Nov. 2013
deBettencourt MT, Cohen JD, Lee RF, Norman KA, Turk-Browne NB. Closed-loop training of sustained attention with real-time fMRI neurofeedback. Learning to Attend, Attending to Learn: Neurological, Behavioral and Computational Perspectives Workshop, San Diego, CA	Nov. 2013
deBettencourt MT, Lee RF, Cohen JD, Norman KA, Turk-Browne NB. Externalizing internal states with real-time neurofeedback to train visual attention. Vision Sciences Society, Naples, FL	May 2013
deBettencourt MT, Lee RF, Cohen JD, Norman KA, Turk-Browne NB. Decoding and training sustained attention with real-time fMRI. Society for Neuroscience, New Orleans, LA	Oct. 2012
deBettencourt MT, Lee RF, Cohen JD, Norman KA, Turk-Browne NB. Real-Time Decoding and Training of Attention. Vision Sciences Society, Naples, FL	May 2012
deBettencourt MT, Goldman RI, Brown TR, Sajda P. Adaptive Thresholding to Improve Sensitivity in Single-Trial Simultaneous EEG/fMRI. Organization of Human Brain Mapping, Barcelona, Spain	June 2010
deBettencourt MT, Halavi M, Banasiak ME, Roberts JL, Serpati L, Stoneham ET, Donohue ME, Sandford C, Kalbfleisch ML. The role of visual contrast in relational complexity. Organization of Human Brain Mapping, San Francisco, CA	June 2009
Stoneham ET, **deBettencourt MT**, Halavi M, Shaw A, Donohue M, Kopperman R, Serpati L, Roberts J, Kalbfleisch M. Neural systems of color relational complexity. Society for Neuroscience, Washington DC	Nov. 2008

Teaching

Previous teaching experience

Invited Speaker, Cognitive Psychology Proseminar, Yale University 2021

Guest Lecturer, Advanced Topics in Human Neuroimaging, University of Chicago 2020

Guest Lecturer, From Molecules to Systems to Behavior, Princeton University 2016

Guest Lecturer, Neurotechnologies for Analysis of Neural Dynamics, Princeton University 2015, 2016

Guest Preceptor, Memory and Cognition, Princeton University 2015

Guest Lecturer, Laboratory in Principles of Neuroscience, Princeton University 2014, 2015

Guest Lecturer, Biophysics & Computation in Neurons & Networks, Princeton University 2012, 2013

Teaching Assistant, From Molecules to Systems to Behavior, Princeton University 2012

Teaching assistant, Fundamentals of Neuroscience, Princeton University 2011

Teaching Assistant, Engineering Design Fundamentals Using Advanced Computational Technology 2007–2010
Columbia University

Pedagogical training in teaching

Teaching fellow, Center for Teaching and Learning, HHMI Summer Institute on Scientific Teaching, 2017–2018
I attended a two week summer institute on scientific teaching and inclusive learning practices. [NIST website]

Graduate Teaching Fellowship, McGraw Center for Teaching and Learning 2015–2016
I organized the multi-day teaching orientation for all first-time teaching assistants in neuroscience and psychology. [McGraw website]

Mentoring

Undergraduate students

Cheyenne Wakeland-Hart, 2020-2021, University of Chicago, Neuroscience major
Co-advised with Monica Rosenberg & Wilma Bainbridge
Awards: 2021 NSF GRFP; 2020 Computational Social Science fellowship; 2020 Micro-Metcalf fellowship
Publications: first author publication at *Cognition*
Posters: 2020 Object Perception Attention & Memory; 2021 Vision Sciences Society
Next: PhD student in Psychology with Mariam Aly at Columbia University

Paul Keene, 2018-2021, University of Chicago, Neuroscience & Psychology double major, Computer science minor
Awards: 2021 NSF GRFP honorable mention; 2019 Metcalf fellowship
Posters: 2019 SfN; 2019 Chicago Area Undergraduate Research Symposium; 2018 Midstates Consortium for Math and Science Undergraduate Symposium; 2018 UChicago Careers in STEM Undergraduate Research Symposium
Talks: 2020 Object Perception Attention & Memory conference
Publications: second author publication at *Nat. Hum. Behav.*, co-first author paper at *Attention, Perception & Psychophysics*
Next: RA with Brice Kuhl at University of Oregon

Maryam Bolouri, 2018–2019, University of Chicago, Biology major & Spanish minor
Awards: 2018-2019 Health policy scholars program; 2019 Katen Scholars Program

Stephanie Williams, 2017–2018, University of Chicago, Neuroscience major
Awards: 2021 DoD NDSEG fellowship; 2020 NSF GRFP honorable mention; Outstanding Poster at the 2018 Chicago Area Undergraduate Research Symposium
Posters: 2018 Chicago Area Undergraduate Research Symposium
Publication: second author publication at *J. Cogn. Neurosci.*
Next: RA, PhD student in Psychology with Laura Lewis at Boston University

Sahiba Singh, 2015-2016 Princeton University, Neuroscience major
Co-advised with Mariam Aly
Awards: Neuroscience thesis prize, Princeton University
Next: Software Engineer at Google

Dale Markowitz, 2014–2016, Princeton University, Computer science major
Next: Data scientist at OK Cupid

Post-graduate students

Julia Pruin, 2022-, University of Chicago, Instructional Assistant

Co-advised with Monica Rosenberg & Wilma Bainbridge
Poster: 2023 VSS

Alfred Chao, 2020-2022, University of Chicago, Masters of Arts in Computational Social Science
Co-advised with Monica Rosenberg

Steven Cao, 2019-2020, University of Chicago, Masters of Arts Program in the Social Sciences
Co-advised with Monica Rosenberg
Publication: second author publication at *Cognition*

Academic Service

Chair, Recall and Recognition Memory session, Psychonomics Society annual meeting 2020

Moderator, Virtual Working Memory Symposium 2020

Co-chair, Working memory neural mechanisms nanosymposium, Society for Neuroscience 2019

Panelist, Training grants & fellowships webinar, Society for Neuroscience 2018

Panelist, She Roars: Celebrating Women at Princeton conference 2018

Program Committee, Real-time Functional Imaging and Neurofeedback Conference 2017

Co-organizer, Manhattan Area Memory Meeting 2015

Faculty Curriculum Committee, Princeton Neuroscience Institute 2011–2012

Graduate Student Recruitment Coordinator, Princeton Neuroscience Institute 2011

Outreach

Volunteer, Application Statement Feedback Program 2021 –2023
The goal of this program is to provide fast, constructive feedback and editing support for the research and personal statements of PhD applicants in psychology, with an emphasis on underrepresented minorities. I have volunteered with the Appication Statement Feedback Program to provide feedback on personal statements for PhD applicants. [ASFP Website]

Volunteer, Científico Latino 2021 –2022
The goal of this program is to help undergraduate, graduate, and professional students by providing mentorship, open-access resources on scholarships, fellowships and blog posts on professional development. I have volunteered with Científico Latino to provide feedback on personal statements for PhD applicants. [Científico Latino Website]

Attendee, Meeting for those identifying as female or non-binary, Institute for Mind and Biology, UChicago 2019–2022
I attend quarterly meetings among the members of the Integrated Neuroscience PhD program and the Institute for Mind and Biology, including PhD students, post-docs and faculty, who identify as female or non-binary.

Attendee, Diversity. Equity, Inclusion & Justice Retreat, Biological Sciences Division, University of Chicago Apr. 2021
I attended and participated in the retreat, the goal of which was to deepen awareness and understanding of diversity, equity, inclusion and justice issues in the basic sciences, while designing collaborative and effective programming and policies that seek to enhance diversity and build strong connections with the South Side communities. [DEIJ Retreat Website]

Representative, Lab night, Psychology and Neuroscience Research, University of Chicago Feb. 2019
The goal is to introduce undergraduates to the variety of psychology-related research opportunities on campus, including paid research opportunities, in order to decrease participation barriers. I attended as the lab representative and presented about our research. [Website]

Panelist, Training grants & fellowships webinar, Society for Neuroscience Oct. 2018
The goal of this panel was to demystify the funding process for fellowship and career development wards. I was invited to be a panelist as a fellowship recipient. [Panel Website]

Panelist, She Roars: Celebrating Women at Princeton conference Oct. 2018
The goal of this panel was to celebrate, engage and connect Princeton's alumnae. I was invited to be a panelist as a female graduate alumna [She Roars Website]

Resident Graduate Student, Forbes College, Princeton University 2011–2014
I lived in an undergraduate residence hall for three years, serving as a mentor and helping coordinating programming. The goal of the RGS program is to enhance the residential college experience and help foster a fully integrated campus community. [Forbes College Website] [RGS Website]

Graduate Student Recruitment Coordinator, Princeton Neuroscience Institute 2011
I coordinated graduate student interview and recruitment weekend for prospective PhD students and created new initiatives (e.g., buddy pairings) to ensure students of all backgrounds would feel comfortable reaching out before and during the interview weekend the interview weekend.

Panelist, She Roars: Celebrating Women at Princeton conference 2011
The goal of this inaugural conference was to celebrate, engage and connect Princeton's alumnae. I was invited to be a panelist as a female graduate student.' [She Roars Website]

Reviewing

Editorial roles

Attention, Perception & Psychophysics, Consulting editor 2021–

Funding agencies, ad hoc reviewer

Iceland Research Fund
Israel Science Foundation
Medical Research Council United Kingdom
National Science Foundation
Swiss National Science Foundation

Academic journals, ad hoc reviewer

Attention, Perception, & Psychophysics
Brain Sciences
Cerebral Cortex
Current Biology
eLife
Frontiers in Behavioral Neuroscience
Frontiers in Human Neuroscience
Human Brain Mapping
IEEE Access
Journal of Cognitive Neuroscience
Journal of Experimental Psychology: General
Journal of Experimental Psychology: Learning, Memory, and Cognition
Journal of Neuroscience
Journal of Visualized Experiments
The Lancet Psychiatry
Memory & Cognition
Nature Neuroscience
NeuroImage
NeuroImage: Clinical
Neuron
Neuropsychologia
Neuroscience
Psychonomic Bulletin & Review
Psychological Science
Quarterly Journal of Experimental Psychology
Scientific Reports

Conferences

Gaze Meets ML, NeurIPS workshop

Fellowships

Graduate Women In Science (GWIS) National Fellowship Program

Languages

English: native
French: fluent