Jordan A. Taylor

Curriculum Vitae
June 2024

Contact Information

Department of Psychology
Princeton University
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Princeton, New Jersey 08544

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Professional Appointments

Professor 2024-
Department of Psychology, Princeton University

Associate Professor 2018-2024
Department of Psychology, Princeton University

Associate Editor, The Journal of Cognitive Neuroscience 2016-

Associated Faculty 2013-
Princeton Neuroscience Institute, Princeton University

Assistant Professor 2012-2018
Department of Psychology, Princeton University

Postdoctoral Fellow 2008-2012
Department of Psychology, University of California, Berkeley

Education

Ph.D.	Washington University in St. Louis, Biomedical Engineering	2007
M.S.	Washington University in St. Louis, Biomedical Engineering	2006
B.S.	Purdue University, Aeronautical and Astronautical Engineering	2003

Research Grants

National Institutes of Health (1R01NS1315520-01) 2024-2029
National Institute of Neurological Disorders and Stroke
Title: Approaching sensorimotor learning from another angle: Exploring and leveraging different cognitive strategies for improving motor performance
Role: PI

New Ideas in the Natural Sciences 2023-2025
Office of the Dean for Research, Princeton University
Title: Representational change in motor skills: New insights from music performance
Role: PI

J. Insley Blair Pyne Fund 2021-2024
SEAS Innovation Research, Princeton University

Title: Making virtual reality meet perception: Harnessing the potential of VR applications for research and industry
Role: PI

New Jersey Alliance for Clinical and Translational Science (TR003017) 2020-2022
Rutgers and Princeton University
Title: A dynamic functional splint to restore hand function in children with cerebral palsy
Role: Co-PI

Department of Defense (N00014-18-1-2873) 2018-2023
Office of Naval Research, Science and Technology
Title: Structured deep learning for modeling and controlling high-dimensional dynamical systems
Role: Co-PI

National Science Foundation (1827550) 2018-2022
Division of Behavioral and Cognitive Sciences
Perception, Action, and Cognition
Title: The intertwined roles of vision and sensorimotor adaptation on reach-to-grasp movements: redefining the functional differences between perception and action
Role: Co-PI

National Science Foundation (1838462) 2018-2021
Division of Behavioral and Cognitive Sciences
Science of Learning
Title: An exploration of a psychological space for human motor generalization between perception and action
Role: PI

National Institutes of Health (5R01NS092079) 2015-2021
National Institute of Neurological Disorders and Stroke
Title: Embodied decision making: the influence of action errors on reinforcement learning
Role: Co-I

Princeton Neuroscience Innovation Fund 2014-2016
Princeton Neuroscience Institute, Princeton University
Title: Identification and modulation of neural regions associated with implicit and explicit learning
Role: PI

National Institutes of Health (5R01NS084948) 2013-2019
National Institute of Neurological Disorders and Stroke
Title: A model system to study the interaction of multiple processes for motor learning
Role: PI

National Institute of Neurological Disorders and Stroke (F32NS064749) 2009-2012
Title: Neural correlates of strategic control and recalibration during motor learning
Role: PI

Publications

Tsay J.S., Kim H.E., McDougle S.D., Taylor J.A., Haith A., Avraham G., Krakauer J.W., Collins A.G.E., & Ivry R.B. (2024). Strategy Processes in Sensorimotor Learning: Reasoning, Refinement, and Retrieval. *eLife*, in press.

Al-Fawakhiri N., Ma A., Taylor J.A., & Kim O.A. (2023). Exploring the role of task success in implicit motor adaptation. *Journal of Neurophysiology*, 130(2):332-344.

Annes C.K., Taylor J.A., & Hallock R.M. (2023). The effect of workspace tidiness on schoolwork performance of high school students. *Journal of Emerging Investigators*, 6:1-5.

McDougle S.D., Tsay J., Pitt B., King M., Saban W., Taylor, J.A., & Ivry, R.B. (2022). Continuous manipulation of mental representations is compromised in cerebellar degeneration. *Brain*, 145(12):4246-4263.

Avraham G., Taylor J.A., Breaks A., Ivry R.B., & McDougle, S.D. (2022). Contextual effects in sensorimotor adaptation adhere to associative learning rules. *eLife*, 11:e75801.

Mushtaq F., McDougle, S.D., Craddock, M.P., Parvin, D.E., Brookes, J., Schaefer, A., Mon-Williams, M., Taylor, J.A., & Ivry, R.B. (2022). Distinct processing of selection and execution errors in neural signatures of outcome monitoring. *Journal of Cognitive Neuroscience,* 34(5):748-765.

McDougle, S.D., Wilterson, S.A., Turk-Browne, N.B., & Taylor, J.A. (2022). Revisiting the role of the medial temporal lobe in motor learning. *Journal of Cognitive Neuroscience,* 34(3):532-549.

Wang T., & Taylor J.A. (2021). Implicit adaptation to mirror reversal is in the correct coordinate system but the wrong direction. *Journal of Neurophysiology*, 126(4):1478-1489.

Forano M., Schween R., Taylor J.A., Hegele M., & Frankin D.W. (2021). Direct and indirect cues can enable dual-adaptation, but through different learning processes. *Journal of Neurophysiology,* 126(5):1490-1506.

Wilterson S.A., & Taylor J.A. (2021). Implicit visuomotor adaptation remains limited after several days of training. *eNeuro*, 8(4).

Campagnoli C., Domini F., & Taylor J.A. (2021). Taking aim at the perceptual side of motor learning: exploring how explicit and implicit learning encode perceptual error information through depth vision. *Journal of Neurophysiology*, 126(2): 413-426.

Cesanek E., Taylor J.A., & Domini F. (2021). Persistent grasping errors produce depth cue re-weighting in perception. *Vision Research*, 178:1-11.

Taylor J.A., & McDougle S.D. (2020). Visuomotor adaptation tasks as a window into the interplay between explicit and implicit cognitive processes. In Poeppel D., Mangun G.R., & Gazzaniga M.S. (Eds.), *The Cognitive Neurosciences 6th Edition (pp. 549-557).* MIT Press.

Schween R., McDougle S.D., Hegele M., & Taylor J.A. (2020). Assessing explicit strategies in force field adaptation. *Journal of Neurophysiology*, 123(4):1552-1565.

Cesanek E., Taylor J.A., & Domini F. (2020). Sensorimotor adaptation and cue reweighing compensate for distorted 3D shape information, accounting for paradoxical perception-action dissociation. *Journal of Neurophysiology*, 123(4): 1407-1419.

Schween R., Langsdorf L.M., Taylor J.A., & Hegele M. (2019). How different effectors and action effects modulate the formation of separate motor memories. *Scientific Reports*, 9(1):17040.

Poh E., & Taylor J.A. (2019). Generalization via superposition: Combined effects of mixed reference frame representations for explicit and implicit learning in a visuomotor adaptation task. *Journal of Neurophysiology*, 121:1953-1966.

McDougle S.D., Butcher P.A., Parvin D., Mustaq F., Niv Y., Ivry R.B., & Taylor J.A. (2019). Neural signatures of prediction errors in a decision-making task are modulated by action execution failures. *Current Biology*, 29:1-8.

Wong A.L., Marvel C.L., Taylor J.A., & Krakauer J.W. (2019). Can patients with cerebellar disease switch learning mechanisms to reduce their adaptation deficits? *Brain*, 142:662-673.

McDougle S.D., & Taylor, J.A. (2019). Dissociable cognitive strategies for sensorimotor learning. *Nature Communications*, 10(1):40.

Hutter S.A., & Taylor J.A. (2018). Relative sensitivity of explicit re-aiming and implicit motor adaptation. *Journal of Neurophysiology,* 120:2640-2648.

Schween R., Taylor J.A., & Hegele M. (2018). Plan-based generalization shapes local implicit adaptation to opposing visuomotor transformations. *Journal of Neurophysiology,* 120:2775-2787.

Liew S.L., Thompson T., Ramirez J., Butcher P.A., Taylor J.A., & Celnik P.A. (2018). Variable neural contributions to explicit and implicit learning during visuomotor adaptation. *Frontiers in Neuroscience,* 12:610.

Parvin D., McDougle S.D., Taylor J.A., & Ivry R.B. (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.

Butcher P.A., & Taylor J.A. (2018). Decomposition of a sensory-prediction error signal for visuomotor adaptation. *Journal of Experimental Psychology: Human Perception and Performance*, 44(2):175-194.

Cesanek E., Campagnoli C., Taylor J.A., & Domini F. (2018). Does visuomotor adaptation contribute to illusion-resistant grasping. *Psychonomic Bulletin & Review*, 25(2):827-845.

Bond K.M., & Taylor J.A. (2017). Structural learning in a visuomotor adaptation task is explicitly accessible. *eNeuro*, 4(4).

Butcher P.A., Ivry R.B., Kuo S.H., Rydz D., Krakauer J.W., & Taylor J.A. (2017). The cerebellum does more than sensory-prediction error-based learning in sensorimotor adaptation tasks. *Journal of Neurophysiology*, 118(3):1622-1636.

McDougle S.D., Bond K.M., & Taylor J.A. (2017). Implications of plan-based generalization in sensorimotor adaptation. *Journal of Neurophysiology*, 118(1): 383-393.

Morehead J.R., Taylor J.A., Parvin D., & Ivry R.B. (2017). Characteristics of implicit sensorimotor adaptation revealed by task-irrelevant clamped feedback. *Journal of Cognitive Neuroscience*, 29(6):1061-1074.

Stark-Inbar A., Mehr R., Taylor J.A., & Ivry R.B. (2017). Individual differences in implicit motor learning. *Journal of Neurophysiology*, 117(1):412-428.

Poh E., Carroll T.J., & Taylor J.A. (2016). Effect of coordinate frame compatibility on the transfer of implicit and explicit learning across limbs. *Journal of Neurophysiology*, 116(3):1239-1249.

McDougle S.D., Ivry R.B., & Taylor J.A. (2016). Taking aim at the cognitive side of learning in sensorimotor adaptation tasks. *Trends in Cognitive Sciences*, 20(7): 535-544.

McDougle S.D., Boggess M.J., Crossley M.J., Parvin D., Ivry R.B., & Taylor J.A. (2016). Credit assignment in movement-dependent reinforcement learning. *Proceedings of the National Academy of Sciences*, 113(24):6797-6802.

Day K.A., Roemmich R.T., Taylor J.A., & Bastian A.J. (2016). Motor learning generalizes around the intended movement. *eNeuro*, 3(2) e0005-16.2016, 1-12.

Brudner S.N., Kethidi N., Graeupner D., Ivry R.B., & Taylor J.A. (2016). Delayed feedback during sensorimotor learning selectively disrupts adaptation, but not strategy use. *Journal of Neurophysiology*, 115(3):1499–1511.

Fan J.E., Turk-Browne N.B., & Taylor J.A. (2016). Error driven learning in statistical summary perception. *Journal of Experimental Psychology: Human Perception and Performance*, 42(2):266–280.

McDougle S.D., Bond K.M., & Taylor J.A. (2015). Explicit and implicit processes constitute the fast and slow processes of sensorimotor learning. *Journal of Neuroscience*, 35(26):9568-9579.

Bond K.M., & Taylor J.A. (2015). Flexible explicit learning, but rigid implicit learning in sensorimotor learning tasks. *Journal of Neurophysiology*, 113(10):3836-3849.

Taylor J.A., Krakauer J.W., & Ivry R.B. (2014). Explicit and implicit contributions to learning in a sensorimotor adaptation task. *Journal of Neuroscience*, 34(8):3023-3032.

Taylor J.A., & Ivry R.B. (2014). Cerebellar and prefrontal cortex contributions to adaptation, strategies, and reinforcement learning. *Progress in Brain Research: Cerebellum and Memory Formation: Structure, Computation, and Function*, 210: 217-253.

Taylor J.A., & Ivry R.B. (2013). Context-dependent Generalization. *Frontiers in Human Neuroscience*, 7:171.

Taylor J.A., & Ivry RB. (2013). Implicit and explicit processes in motor learning. In W. Prinz, M. Beisert, A. Herwig (Eds.). *Action Science: Foundations of an Emerging Discipline* (pp. 63-87). Cambridge, MA: MIT Press.

Taylor J.A., Hieber L.L., & Ivry R.B. (2013). Feedback-dependent generalization. *Journal of Neurophysiology*, 109(1):202-215.

Fan J.E., Turk-Browne N.B., & Taylor J.A. (2013). Feedback driven tuning of statistical summary representations. *Visual Cognition*, 21(6):685-689.

Taylor J.A., & Ivry R.B. (2012). The role of strategies in motor learning. *Annals of the New York Academy of Sciences*, *The Year in Cognitive Neuroscience*, 1251:1-12.

Taylor J.A., Wojaczynski G.J., & Ivry R.B. (2011). Trial-by-trial analysis of intermanual transfer of adaptation. *Journal of Neurophysiology*, 106(6):3157-3172.

Prinzmetal W., Taylor J.A., Myers L.B., & Nguyen-Espino J. (2011). Contingent capture and inhibition of return: a comparison of mechanisms. *Experimental Brain Research*, 214(1):47–60.

Norris S.A., Hathaway E., Taylor J.A., & Thach W.T. (2011). Cerebellar inactivation impairs memory of learned prism gaze-reach calibrations. *Journal of Neurophysiology*, 105,2248-2259.

Morehead J.R., Butcher P.A., & Taylor J.A. (2011). Does fast learning depend on declarative mechanisms? *Journal of Neuroscience*, 31(14):5184-5185.

Taylor J.A., & Ivry R.B. (2011). Flexible strategies during motor learning. *PLoS Computational Biology*, 7(3):e10001096.

Stoloff R.H., Taylor J.A., Xu J, Ridderikhoff A., & Ivry R.B. (2011). Effect of reinforcement history on hand choice in an unconstrained reaching task. *Frontiers in Neuroscience*, 5:41.

Taylor J.A., Klemfuss N.M., & Ivry R.B. (2010). An explicit strategy prevails when the cerebellum fails to compute movement errors. *Cerebellum*, 9(4):580-6.

Reid E.K., Norris S.A., Taylor J.A., Hathaway E.N., Smith A.J., Yittri E.A., & Thach W.T. (2010). Is the parvocellular red nucleus involved in cerebellar motor learning? *Current Trends in Neurology*, 3:15-22.

Wang X., Xu R., Abernathey G., Taylor J.A., Alzghoul M.G., Hannon K., Hockerman G.H., & Pond A.L. (2008). Kv11.1 channel subunit composition included MinK and varies developmentally in mouse cardiac muscle. *Developmental Dynamics*, 237(9):2430-7.

Taylor J.A., & Thoroughman K.A. (2008). Motor adaptation scaled by the difficulty of secondary cognitive task. *PLoS ONE*, 3(6):e2485.

Taylor J.A., & Thoroughman K.A. (2007). Divided attention impairs motor adaptation but not feedback control. *Journal of Neurophysiology*, 98(1):317-32.

Thoroughman K.A., Fine M.S., & Taylor J.A. (2007). Trial-by-trial motor adaptation: window into elemental neural computation. *Progress in Brain Research*, 165: 373-382.

Thoroughman K.A. & Taylor J.A. (2005). Rapid reshaping of human motor generalization. *Journal of Neuroscience*, 25(39):8948-895.

Taylor J.A., Babbs C.F., Alzghoul M.B., Olsen A., Latour M., Pond A.L., & Hannon K (2004). Optimization of ectopic gene expression in skeletal muscle through DNA transfer by electroporation. *BMC Biotechnology*, 4:11.

Preprints

Velazquez-Vargas C.A.,& Taylor J.A. (2024). Working memory constraints for visuomotor retrieval strategies. *bioRxiv*.

Velazquez-Vargas C.A., Daw N.D., & Taylor J.A. (2023). Learning generalizable visuomotor mappings for *de novo* skills. *bioRxiv*.

Poh E., Al-Fawakhiri N., Tam R., Taylor J.A., & McDougle S.D. (2022). Top-down effects in motor generalization. *bioRxiv*.

Conference Proceedings

Falcone S., & Taylor J.A. (2024). The impact of spatiotemporal calibration on sense of embodiment and task performance in teleoperation. *Proceedings of the 46th Annual Conference of the Cognitive Science Society*.

Velazquez-Vargas C.A.,Christian I.R., Taylor J.A., & Kumar S. (2024). Learning to abstract visuomotor mappings using meta-reinforcement learning. *Proceedings of the 46th Annual Conference of the Cognitive Science Society*.

Velazquez-Vargas C.A., Vikranth R. Bejjanki, & Taylor J.A. (2023). Precision and capacity limitations of retrieval strategies for visuomotor adaptation. *Advances in Motor Control and Motor Learning 2023*.

Velazquez-Vargas C.A., & Taylor J.A. (2023). Exploring human learning and planning in grid navigation with arbitrary mappings. *Proceedings of the 45th Annual Conference of the Cognitive Science Society*.

Campagnoli C., & Taylor J.A. (2019). Specific visual features of a novel tool specify different physics priors. *Perception*, 48:162.

Campagnoli C., & Taylor J.A. (2019). Visuomotor adaptation is influenced by perceived depth. *Perception*, 48:117.

Campagnoli C., & Taylor J.A. (2018). Visuomotor adaptation is sensitive to perceptual changes in depth information. *Journal of Vision,* 18(10): 61.

McDougle S.D., & Taylor J.A. (2016). Mental rotation as a behavioral and neural model of explicit aiming during visuomotor learning. *Advances in Motor Control and Motor Learning 2016*.

Butcher P.A., Krakauer J.W., Kuo S.H., Rydz D., Ivry R.B., & Taylor J.A. (2014). Cerebellar degeneration disrupts adaptation and strategy use in sensorimotor learning. *Advances in Translational and Computational Motor Control 2014*.

Morehead J.R., Taylor J.A., Parvin D., Marrone E., & Ivry R.B. (2014). Implicit adaptation via visual error clamp. *Advances in Translational and Computational Motor Control 2014*.

Taylor J.A., Krakauer J.W., & Ivry R.B. (2012). Multiple learning processes operate continuously throughout learning. *Advances in Computational Motor Control XI*.

Taylor J.A., & Ivry R.B. (2011). Feedback-dependent generalization of visuomotor adaptation. *Advances in Computational Motor Control X*.

Taylor J.A., Ghorayshi A., & Ivry R.B. (2009). The Cost of Strategic Control: Attenuation of Adaptation. *Advances in Computational Motor Control VIII*.

Taylor J.A., & Thoroughman K.A. (2007). Divided attention during motor memory formation affects specifically fast adaptive processes and alters mid-movement feedback control. *Advances in Computational Motor Control VI*.

Thoroughman K.A., & Taylor J.A. (2004). Experience-dependent adaptation of the spatial generalization of human motor adaptation. *Advances in Computational Motor III*.

Talks & Colloquia

Cognitive Control of Action Workshop — 2024
Princeton University

Plasticity Seminar — 2023
MRC Cognition and Brain Sciences Unit, Cambridge University, UK

Psychology Talk — 2023
Hamilton College

Interdisciplinary Neuroscience Program Seminar — 2023
University of Delaware

Advances in Motor Learning Symposium — 2022
Enschede, The Netherlands

Kinesiology and Sport Management Meeting — 2022
Texas A&M University

ITRG Brain in Action Seminar Series — 2021
Toronto, Canada

Progress in Motor Control XIII — 2021
Auckland, New Zealand

KAAP Seminar Series — 2020
University of Delaware

BIRS Optimal Neuroethology of Movement and Motor Control — 2019
Banff International Research Station, Banff, Canada

Psychology Seminar Series — 2019
New York University, Abu Dhabi, United Arab Emirates

Institute of Cognitive Neuroscience Seminar — 2019
University College London, London, UK

Perception, Cognition, and Action Seminar Series — 2019
University of Birmingham, Birmingham, UK

Neuromechanics and Motor Control Meeting — 2018
Technical University of Munich and University of Giessen
Raitenhaslach, Germany

Mind, Machine, and Motor Nexus, National Science Foundation 2018
Point Reyes, CA

Summer Institute in Cognitive Neuroscience 2018
Lake Tahoe, CA

The Society for Neuroscience Annual Meeting 2017
Washington, D.C.

Computational Cognitive Neuro-Psychiatry Seminar, 2017
Rutgers University, Piscataway, NJ

Perception and Action Seminar 2016
Brown University, Providence, RI

Neuromotor Control Laboratory 2016
Harvard University, Cambridge, MA

The Annual Meeting of New Champions, World Economic Forum 2016
Tianjin, China

Symposium on The Cognitive and Neural Architecture of Sensorimotor 2016
Behaviors, Society for the Neural Control of Movement
Montego Bay, Jamaica

Department of Rehabilitation & Movement Science Colloquia 2014
Rutgers University, Newark, NJ.

Cognitive Computational and Systems Neuroscience Program Colloquia 2014
Washington University in St. Louis, St. Louis, MO

Northwestern Sensory Motor Performance Program Colloquia 2014
Rehabilitation Institute of Chicago, Chicago, IL

Movement Disorders Division Colloquia, Columbia Medical Center 2014
Columbia University, New York, NY

Tenth Computational Motor Control Workshop 2014
Ben Gurion University, Israel

Symposium on Human Learning: Feedback, Reinforcement, and Reward 2013
Society for Neuroscience Annual Meeting. San Diego, CA

Brain, Learning, Animation, and Movement Lab, Dept. of Neurology 2013
Johns Hopkins University, Baltimore, MD

Department of Biomedical Engineering Colloquia 2013
Washington University in St. Louis, St. Louis, MO

Center for the Translational Neuroscience of Alcoholism Colloquia 2012
Yale University, New Haven, CT

Moss Rehabilitation Research Institute, Elkins Park, PA 2012

OMNI, Veterans Administration Clinic, Martinez, CA 2012

International Computer Science Institute, Berkeley, CA 2010

Mentoring

Postdoctoral Fellows

Mohan Gupta 2024-

Yiyu Wang 2024-

Olivia Kim 2020-2023
Assistant Professor, Bates College, ME

Carlo Campagnoli 2017-2021
Lecturer, University of Leeds, Leeds, UK

Eugene Poh 2016-2018
Lecturer, Macquarie University, Sydney, Australia

Peter Butcher 2013-2017
Principal Data Scientist, Comcast Labs Silicon Valley, CA

Graduate Students

Yifei Chen, Primary Advisor 2024-

Hoi Kan, Primary Advisor 2024-

Jonathan Daniels, Primary Advisor 2021-

Carlos Velazquez-Vargas, Primary Advisor 2019-

Sarah Wilterson, Primary Advisor 2016-2021
Data and Insights Consultant, Denver, CO

Andrew Wilterson, Secondary Advisor, 2016-2020
Product Development Manager, Chadwick Martin Bailey, Denver, CO

Jonathan Berliner, Primary Advisor 2013-2017
JSB Machine Learning Consulting, Brooklyn, NY

Samuel McDougle, Primary Advisor 2013-2018
Assistant Professor at Yale University, New Haven, CT

Judith Fan, Secondary Advisor 2012-2016
Assistant Professor at Stanford University, Palo Alto, CA

Research Specialists

Hoi Kan 2023-2024
Princeton University

Chandra Greenberg 2017-
Princeton University

Kristy Colling 2016-2017
Human Factors Scientist, Exponent, Phoenix, AZ

Alyssa Bangel 2014-2015
Occupational Therapist, Rising Ground

Krista Bond 2013-2017
Postdoctoral Fellow, Yale University

Jonathan Berliner 2013-2017
JSB Machine Learning Consulting, Brooklyn, NY

Samuel Brudner 2012-2014
Postdoctoral Fellow, Yale University

Dissertation Committees

Sara Falcone, External Reader 2023
University of Twente, Enschede, The Netherlands

Xiaofang Yang, Psychology, Oral Committee 2023

Abdul-Rahim Deeb, Cognitive Linguistic & Psychological Sciences, 2023
Brown University, External Committee Member

Abigail Novick Hoskin, Psychology, Oral Committee 2022

Sarah Wilterson, Psychology, Reading and Oral Committee 2021

Samatha Floyd, Psychology, Reading Committee 2021

Andrew Wilterson, Psychology, Reading Committee 2020

Brandy Briones, Psychology, Reading Committee 2020

Felicia Zhang, Psychology, Reading Committee 2020

Clare Choi, Psychology, Oral Committee 2019

Benjamin Deverett, Neuroscience, Reading Committee 2019

Nathan Parker, Neuroscience, Reading Committee 2019

Sherry Wu, Psychology, Reading Committee 2019

Thomas Pisano, Neuroscience, Oral Committee 2019

Evan Cesanek, Cognitive Linguistic & Psychological Sciences, 2019
Brown University, External Committee Member

Joel Finkelstein, Psychology, Reading Committee 2018

Gary Kane, Psychology, Oral Committee 2018

Samuel McDougle, Psychology, Reading and Oral Committee 2018

Taylor Webb, Psychology, Reading Committee 2018

Natalia Cordova, Princeton Neuroscience Institute, Committee 2017

Mathew Yarrosi, Rehabilitation & Movement Sciences, 2017
Rutgers University, External Committee Member

Jeremy Borjon, Psychology, Reading Committee 2017

Judith Fan, Psychology, Reading Committee 2016

Andra Geana, Psychology, Reading Committee 2015

Darshana Narayan, Psychology, Reading Committee 2015

Kathi Seidl-Rathopf, Psychology, Oral Committee 2015

Brooke MacNamara, Psychology Reading Committee 2014

Jeffery Meirer, Psychology, Oral Committee 2014

Anna Schapiro, Psychology, Oral Committee 2014
Alec Solway, 2014, Princeton Neuroscience Institute, Committee 2014
Deborah Holoien, Psychology, Oral Committee 2013
Matthew Johnson, Psychology, Oral Committee 2013
Jonathan White, Psychology, Reading Committee 2013

Senior Theses

Haley Hariri, Psychology 2024
Naser Al-Fawakhiri, Psychology 2022
Thea Diampeles, Psychology 2021
Kasey Bowyer, Neuroscience 2021
Patrick D'Arcy, Psychology 2020
Barbara Gruszka, Neuroscience 2020
Logan MacDonnell, Psychology 2020
Stephen Craig, Neuroscience 2019
Stephen Chen, Psychology 2019
Kyle Lang, Psychology 2019
Erin Berl, Psychology 2017
Chris Chang, Psychology 2017
Elizabeth Maine, Psychology 2016
Rachel Newman, Psychology 2016
Sara Ronde, Psychology 2016
Andre Belarmino, Psychology 2015
Tyler Osborne, Psychology 2015
Trocon Davis, Psychology 2014
Caroline Franke, Psychology 2014
Jordan Metro, Psychology 2014

Teaching

Cognitive Psychology (PSY255)	S2015, F2015, S2018, F2018, F2019, F2022, S2024
From Molecules to Systems to Behavior (NEU502)	S2015-S2020
Cognitive Psychology Proseminar (PSY501)	F2013, F2015, F2017, F2019, S2024
Research Seminar in Cognitive Psychology (PSY543)	F2013, S2014
Motor Control and Learning (PSY412/NEU412)	S2013, S2014

University Service

Princeton University Committee on Discipline	2019-
Princeton University Internal Review Board Member	2019-2022
George Miller Memorial Prize Committee	2017, 2021
Princeton Alumni Association, Montreal Chapter	2017
Princeton Ideas Lab, World Economic Forum, Tianjin China	2016
Psychology Department Colloquium Committee Chair	2015-2020
Robotic and Intelligent Systems Program Committee	2015-
Academic-Athletic Fellow, Squash	2015-
Edward E. Jones Memorial Prize Committee	2015
Academic Adviser, Whitman College	2013-
Faculty Fellow, Whitman College	2013-
Academic-Athletic Fellow, Football, Defensive Backs	2013-
Research Mentor, Laboratory Learning Program	2013-
Faculty Adviser, Senior Thesis Writing Group	2013

Awards & Fellowships

Lawrence S. Brodie University Preceptorship in Psychology Princeton University	2015-2018
National Research Service Award, National Institutes of Health	2014-2016
The Society for the Neural Control of Movement Scholarship	2007, 2011
Advances in Computational Motor Control Travel Award	2007, 2011
School of Dendrites Travel Award, Institute of Advanced Studies The Hebrew University of Jerusalem	2005
Cognitive, Computational, Systems Neuroscience Fellowship McDonnell Higher Brain Center, Washington University	2004
Orla K. Harlan Scholarship, Purdue University	2001