

Jordan A. Taylor

Curriculum Vitae

August 2017

Contact Information

Department of Psychology
Princeton University
429 Peretsman-Scully Hall
Princeton, New Jersey 08544

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Academic Appointments

Associated Faculty Princeton Neuroscience Institute, Princeton University	2013-
Assistant Professor Department of Psychology, Princeton University	2012-
Postdoctoral Fellow Department of Psychology, University of California, Berkeley	2008-2012

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 Institute of Neurological Disorders and Stroke (5R01NS084948) National Institutes of Health Title: A model system to study the interaction of multiple processes for motor learning (Role: PI) Total amount: \$1,708,321	2013-2018
National Institute of Neurological Disorders and Stroke (5R01NS092079) National Institutes of Health Title: Embodied decision making: the influence of action errors on reinforcement learning (Role: Co-Investigator) Total amount: \$192,339	2015-2017
Princeton Neuroscience Innovation Fund Princeton University Title: Identification and modulation of neural regions associated with implicit and explicit learning (Role: PI) Total amount: \$145,948	2014-2016

National Institute of Neurological Disorders and Stroke (F32NS064749) 2009-2012
Title: Neural correlates of strategic control and recalibration during
motor learning (Role: PI)
Total amount: \$145,948

Awards & Fellowships

Lawrence S. Brodie University Preceptorship in Psychology 2015-2018
Princeton University
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 2005
The Hebrew University of Jerusalem
Cognitive, Computational, Systems Neuroscience Fellowship 2004
McDonnell Higher Brain Center, Washington University
Orla K. Harlan Scholarship, Purdue University 2001

Publications

36. Bond K.M., & Taylor J.A. (2017). Structural learning in a visuomotor adaptation task is explicitly accessible. *eNeuro*, in press.
35. Cesanek E., Campagnoli C., Taylor J.A., & Domini F. (2017). Does visuomotor adaptation contribute to illusion-resistant grasping. *Psychonomic Bulletin & Review*, in press.
34. 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*, in press.
33. Butcher P.A., & Taylor J.A. (2017). Decomposition of a sensory-prediction error signal for visuomotor adaptation. *Journal of Experimental Psychology: Human Perception and Performance*, in press.
32. McDougale S.D., Bond K.M., & Taylor J.A. (2017). Implications of plan-based generalization in sensorimotor adaptation. *Journal of Neurophysiology*, 118(1): 383-393.
31. 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.
30. 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.
29. 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.

28. 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.
27. 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.
26. 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.
25. 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.
24. 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.
23. McDougle S.D., Bond K.M., & Taylor J.A. (2015). Explicit and implicit processes constitute the fast and slow processes of sensorimotor learning. *The Journal of Neuroscience*, 35(26):9568-9579.
22. 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.
21. Taylor J.A., Krakauer J.W., & Ivry R.B. (2014). Explicit and implicit contributions to learning in a sensorimotor adaptation task. *The Journal of Neuroscience*, 34(8): 3023-3032.
20. 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.
19. Taylor J.A., & Ivry R.B. (2013). Context-dependent Generalization. *Frontiers in Human Neuroscience*, 7:171.
18. Taylor J.A., & Ivry R.B. (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.
17. Taylor J.A., Hieber L.L., & Ivry R.B. (2013). Feedback-dependent generalization. *Journal of Neurophysiology*, 109(1):202-215.
16. Fan J.E., Turk-Browne N.B., & Taylor J.A. (2013). Feedback driven tuning of statistical summary representations. *Visual Cognition*, 21(6):685-689.
15. 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.
14. 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.

13. 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.
12. Norris S.A., Hathaway E., Taylor J.A., & Thach W.T. (2011). Cerebellar inactivation impairs memory of learned prism gaze-reach calibrations. *The Journal of Neurophysiology*, 105,2248-2259.
11. Morehead J.R., Butcher P.A., & Taylor J.A. (2011). Does fast learning depend on declarative mechanisms? *The Journal of Neuroscience*, 31(14):5184-5185.
10. Taylor J.A., & Ivry R.B. (2011). Flexible strategies during motor learning. *PLoS Computational Biology*, 7(3):e10001096.
9. 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.
8. 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.
7. 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.
6. 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.
5. Taylor J.A., & Thoroughman K.A. (2008). Motor adaptation scaled by the difficulty of secondary cognitive task. *PLoS ONE*, 3(6):e2485.
4. Taylor J.A., & Thoroughman K.A. (2007). Divided attention impairs motor adaptation but not feedback control. *Journal of Neurophysiology*, 98(1):317-32.
3. 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.
2. Thoroughman K.A. & Taylor J.A. (2005). Rapid reshaping of human motor generalization. *The Journal of Neuroscience*, 25(39):8948-895.
1. 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.

Peer-reviewed Conference Proceedings

- 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*.

Conference Presentations

- McDougle S.D., & Taylor, J.A. (May, 2017). Between zero and one: evidence for an analog computation in the re-planning of movements. *The Society for the Neural Control Movement Annual Meeting*. Dublin, Ireland.
- Bond K.M., & Taylor J.A. (November, 2016). Exploring structure-specific knowledge in a visuomotor adaptation task. *The Society for Neuroscience Annual Meeting*. San Diego, CA.
- McDougle S.D., & Taylor J.A. (November, 2016). Recalibration, heuristics, and learning de novo: On the multiple processes of sensorimotor learning and the role of the medial temporal lobe. *The Society for Neuroscience Annual Meeting*. San Diego, CA.
- Parvin D., Bogess M.J., McDougle S.D., Taylor J.A., & Ivry R.B. (November, 2016). Reinforcement learning is not directly modulated by sensorimotor prediction errors. *The Society for Neuroscience Annual Meeting*. San Diego, CA.
- Taylor J.A., & McDougle S.D. Assessing explicit strategies (or knowledge?) in force field adaptation experiments. (November, 2016). *The Society for Neuroscience Annual Meeting*. San Diego, CA.
- Bond K.M., & Taylor J.A. (April, 2016). Examining the contribution of explicit knowledge to structural learning in a visuomotor adaptation task. *The Society for the Neural Control Movement Annual Meeting*, Montego Bay, Jamaica.
- McDougle S.D., Bond K.M., & Taylor J.A. (April, 2016). The computational and behavioral implications of aim- and reach-based generalization. *The Society for the Neural Control Movement Annual Meeting*, Montego Bay, Jamaica.
- Bond K.M., & Taylor J.A. (October, 2015). Explicit aiming strategies are fundamental to learning in a visuomotor adaptation task. *The Society for Neuroscience Annual Meeting*. Chicago, IL.

- Butcher P.A., Osborne T.G., Lee T.G., & Taylor J.A. (October, 2015). Movement kinematics while choking under pressure. *The Society for Neuroscience Annual Meeting*. Chicago, IL.
- Graeupner D., Butcher P.A., & Taylor J.A. (October, 2015). Implicit motor learning in the absence of sensory-prediction errors. *The Society for Neuroscience Annual Meeting*. Chicago, IL.
- Lieu S.L., Thompson T., Ramirez J., Butcher P.A., Taylor J.A., & Celnik P. (October, 2015). Difficulty of visual transformation modulates the contributions of explicit and implicit learning with and without tDCS. *The Society for Neuroscience Annual Meeting*. Chicago, IL.
- McDougle S.D., Bond K., & Taylor J.A. (October, 2015). Spontaneous rebound in implicit sensorimotor learning can occur in the absence of sensory prediction errors. *The Society for Neuroscience Annual Meeting*. Chicago, IL.
- Morehead J.R., Taylor J.A., & Ivry R.B. (October, 2015). Reaching for a good aiming strategy in people with cerebellar degeneration. *The Society for Neuroscience Annual Meeting*. Chicago, IL.
- Wong A.L., Taylor J.A., & Krakauer J.W. (October, 2015). Learning a visuomotor adaptation task without adaptation when the arm is visible. *The Society for Neuroscience Annual Meeting*. Chicago, IL.
- McDougle S.D., Crossley M.J., Ivry R.B., & Taylor J.A. (August, 2015). A role for cerebellar processing in human reinforcement learning. *Cerebellum Gordon Research Conference*. Lewiston, Maine.
- Butcher P.A., Ivry R.B., Kuo S.H., Rydz D., Krakauer J.W., & Taylor J.A. (August, 2015). Cerebellar degeneration disrupts aiming strategies and motor adaptation in a sensorimotor learning task. *Cerebellum Gordon Research Conference*. Lewiston, Maine.
- Bond K.M., & Taylor J.A. (July, 2015). Structural learning manifests in visuomotor rotation task aiming strategies. *Progress in Motor Control X*. Budapest, Hungary.
- McDougle S.D., Bond K.M., & Taylor J.A. (July, 2015). The role of reward, punishment, and movement directions on implicit sensorimotor learning. *Progress in Motor Control X*. Budapest, Hungary.
- Bond K.M., & Taylor J.A. (April, 2015). Explicit and implicit learning combine to support learning in visuomotor adaptation tasks. *The Society for the Neural Control of Movement Annual Meeting*. Charleston, SC.
- Butcher P.A., & Taylor J.A. (April, 2015). Error direction, but not magnitude, is critical for motor adaptation. *The Society for the Neural Control of Movement Annual Meeting*. Charleston, SC.
- McDougle S.D., & Taylor J.A. (April, 2015). Explicit aiming strategies and implicit forward model adaptation underlie the fast and slow components of motor learning. *The Society for the Neural Control of Movement Annual Meeting*. Charleston, SC.

- McDougle S.D., Ivry R.B., & Taylor J.A. (November, 2014). Sensory prediction errors affect reinforcement learning? *The Society for Neuroscience Annual Meeting*. Washington, D.C.
- Butcher P.A., & Taylor J.A. (November, 2014). What's in an error signal for sensorimotor adaptation? *The Society for Neuroscience Annual Meeting*. Washington, D.C.
- Liew S.L., Ramirez J.J., Butcher P.A., Taylor J.A., & Celnik P.A. (November, 2014). Anodal tDCS of dorsolateral prefrontal cortex and cerebellum enhance different aspects of motor learning in a visuomotor adaptation task. *The Society for Neuroscience Annual Meeting*. Washington, D.C.
- Butcher P.B., & Taylor J.A. (June, 2014). Decomposition of an error signal for sensorimotor learning. *Tenth Computational Motor Control Workshop*. Ben Gurion University, Israel.
- Morehead J.R., Taylor J.A., & Ivry R.B. (June, 2014). Intact savings in patients with cerebellar degeneration. *Tenth Computational Motor Control Workshop*. Ben Gurion University, Israel.
- Brudner S.N., Ivry R.B., & Taylor J.A. (April, 2014). Dissociation of the temporal correlation between sensory-prediction and reward-prediction errors. *The Society for the Neural Control of Movement Annual Meeting*. Amsterdam, The Netherlands.
- Berliner J.S., Brudner S.N., & Taylor J.A. (October, 2013). Left-hand adaptation at the cost of right-hand adaptation. *The Society for Neuroscience Annual Meeting*. San Diego, CA.
- Brudner J.S., Berliner S.N., Ivry R.B., & Taylor J.A. (October, 2013). Relative timing of sensory- and reward-prediction errors affects motor learning. *The Society for Neuroscience Annual Meeting*. San Diego, CA.
- Berliner J.S., Botvinick M.M., & Taylor J.A. (October, 2013). Assessing structure learning in motor tasks. *Reinforcement Learning and Decision Making Meeting*. Princeton, NJ.
- Taylor J.A., Burney M.A., Wilson J.L., Krakauer J.W., & Ivry R.B. (October 2012). Direct assessment of multiple processes during visuomotor adaptation. *The Society for Neuroscience Annual Meeting*. New Orleans, LA.
- Morehead J.R., Taylor J.A., Qasim S., & Ivry R.B. (October, 2012). Contingency of task performance cues modulates degree of learning in visuomotor rotation. *The Society for Neuroscience Annual Meeting*. New Orleans, LA.
- Stark-Inbar A., Lim P.S., Taylor J.A., & Ivry R.B. (October, 2012). Measures of learning in visuomotor adaptation and sequence learning show intra-task reliability but lack inter-task correlation. *The Society for Neuroscience Annual Meeting*. New Orleans, LA.
- Butcher P.A., Chen R.H., Taylor J.A., & Ivry R.B. (October, 2012). TMS to M1 following reward trials disrupts learning in a visuomotor task. *The Society for Neuroscience Annual Meeting*. New Orleans, LA.

- Taylor J.A., Burney M.A., Wilson J.L., Krakauer J.W., & Ivry R.B. (April, 2012). Trial-by-trial assessment of separate learning processes during motor adaptation. *The Society for the Neural Control of Movement Annual Meeting*. Venice, Italy.
- Taylor J.A., Hieber L.L., Brayanov J., Smith M.A., & Ivry R.B. (November, 2011). Context-dependent generalization. *The Society for Neuroscience Annual Meeting*. Washington, D.C.
- Taylor J.A., Hieber L.L., Brayanov J., Smith M.A., & Ivry R.B. (April, 2011). Strategic generalization during visuomotor adaptation. *The Society for the Neural Control of Movement Annual Meeting*. San Juan, Puerto Rico.
- Taylor J.A., Wojaczynski G.J., Gee C.S., & Ivry R.B. (June, 2010). Intermanual transfer of adaptation is independent of cognitive awareness. *ZiF Conference and Summer School for Perception and Action*. Bielefeld, Germany.
- Taylor J.A., Wojaczynski G.J., Gee C.S., & Ivry R.B. (October, 2010). The effect of error awareness on intermanual transfer of adaptation. *The Society for Neuroscience Annual Meeting*. San Diego, CA.
- Taylor J.A., Schlerf J.E., & Ivry R.B. (July, 2009). Updating an explicit cognitive strategy for a visuomotor rotation. *Progress in Motor Control VII*. Marseille, France.
- Taylor J.A., Schlerf J.E., & Ivry R.B. (April, 2009). Misapplication of an explicit cognitive strategy during a visuomotor rotation. *The Society for the Neural Control of Movement Annual Meeting*. Kona, HI.
- Taylor J.A., & Thoroughman K.A. (October, 2007). Divided attention impairs fast processes but not slow processes in motor adaptation. *The Society for Neuroscience Annual Meeting*. San Diego, CA.
- Taylor J.A., & Thoroughman K.A. (April, 2007). Motor adaptation scaled by the difficulty of a secondary cognitive task. *The Society for the Neural Control of Movement Annual Meeting*. Seville, Spain.
- Taylor J.A., & Thoroughman K.A. (October, 2006). Trial-by-trial executive control interaction with the adaptive control of arm. *The Society for Neuroscience Annual Meeting*. Atlanta, GA.
- Semrau, J.A., Taylor J.A., Dajles D., & Thoroughman K.A. (October, 2006). Error generalization in trial-by-trial adaptation to visuomotor perturbations. *The Society for Neuroscience Annual Meeting*. Atlanta, GA.
- Fine M.S., Taylor J.A., & Thoroughman K.A. (March, 2006). Learning to learn: motor adaptive strategies change with environmental experience. *Computation and Systems Neuroscience Meeting*. Salt Lake City, UT.
- Taylor J.A., & Thoroughman K.A. (November, 2005). The effect of attention on the feedback and adaptive control of arm movements. *The Society for Neuroscience Annual Meeting*. Washington, D.C.
- Taylor J.A., & Thoroughman K.A. (November, 2005). The effect of attention on the feedback and adaptive control of arm movements. *Computational Cognitive Neuroscience Conference*. Washington, D.C.

- Taylor J.A., & Thoroughman K.A. (March, 2005). Rapid reshaping of human motor adaptation. *School of dendrites*. Hebrew University. Institute of Advanced Studies. Jerusalem, Israel.
- Norris S.A., Taylor J.A., & Thach W.T. (October, 2004). Cerebellar inactivation impairs gaze-reach memory of both learned prism and familiar non-prism calibration. *The Society for Neuroscience Annual Meeting*. San Diego, CA.
- Taylor J.A. & Thoroughman K.A. (October, 2004). Effects of generalization when learning complex dynamic environments. *The Society for Neuroscience Annual Meeting*. San Diego, CA.

Talks & Colloquia

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| Individual or group patterns of human sensorimotor control and learning?
When the whole may not be greater than the sum of its parts.
The Society for Neuroscience Annual Meeting, Washington, DC. | 2017 |
| Computational Cognitive Neuro-Psychiatry Seminar, Rutgers University
Piscataway, NJ | 2017 |
| Perception and Action Seminar, Brown University, Providence, RI | 2016 |
| Neuromotor Control Laboratory, Harvard University, Cambridge, MA | 2016 |
| The Annual Meeting of New Champions, World Economic Forum
Tianjin, China | 2016 |
| Symposium on The Cognitive and Neural Architecture of Sensorimotor
Behaviors, Society for the Neural Control of Movement
Montego Bay, Jamaica | 2016 |
| Department of Rehabilitation & Movement Science Colloquia
Rutgers University, Newark, NJ. | 2014 |
| Cognitive Computational and Systems Neuroscience Program Colloquia
Washington University in St. Louis, St. Louis, MO | 2014 |
| Northwestern Sensory Motor Performance Program Colloquia
Rehabilitation Institute of Chicago, Chicago, IL | 2014 |
| Movement Disorders Division Colloquia, Columbia Medical Center
Columbia University, New York, NY | 2014 |
| Tenth Computational Motor Control Workshop
Ben Gurion University, Israel | 2014 |
| Symposium on Human Learning: Feedback, Reinforcement, and Reward
Society for Neuroscience Annual Meeting. San Diego, CA | 2013 |
| Brain, Learning, Animation, and Movement Lab, Dept. of Neurology
Johns Hopkins University, Baltimore, MD | 2013 |
| Department of Biomedical Engineering Colloquia
Washington University in St. Louis, St. Louis, MO | 2013 |
| Center for the Translational Neuroscience of Alcoholism Colloquia
Yale University, New Haven, CT | 2012 |

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

Carlo Campagnoli	2017-
Eugene Poh	2017-
Peter Butcher	2013-

Graduate Students

Andrew Wilson, Secondary Advisor	2017-
Sarah Hutter, Primary Advisor	2016-
Samuel McDougale, Primary Advisor	2013-
Judith Fan, Secondary Advisor Currently a postdoctoral fellow at Stanford University, Palo Alto, CA.	2012-2016
Jonathan Berliner, Secondary Advisor Currently at Uber Technologies Inc., San Francisco, CA.	2012-2015
Clarice Robenalt, Secondary Advisor Currently at Infer, Inc., Mountain View, CA	2012-2014

Research Assistants & Associates

Kristy Snyder Currently a graduate student at Vanderbilt University	2016-2017
Alyssa Bangel Currently a graduate student at the University of the Sciences in Philadelphia	2014-2015
Priya Mans Currently an undergraduate at The College of New Jersey	2014-2015
Nikhit Kethidi Currently an undergraduate at Rutgers University	2013-2015
Krista Bond Currently a graduate student at Carnegie Mellon University	2013-2017
Samuel Brudner Currently a graduate student at Duke University	2012-2014

Dissertation Defense Committees

Natalia Cordova, Princeton Neuroscience Institute, Committee	2017
Mathew Yarrosi, Rehab & Movement Sciences, Rutgers University	2017
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 Holoiien, Psychology, Oral Committee	2013
Matthew Johnson, Psychology, Oral Committee	2013
Jonathan White, Psychology, Reading Committee	2013
<i>Dissertation Proposal Committees</i>	
Ben Deverret, Princeton Neuroscience Institute	2017
Samuel McDougale, Psychology	2017
Mathew Yarrosi, Rehab & Movement Sciences, Rutgers University	2016
Nathan Parker, Princeton Neuroscience Institute	2016
Judith Fan, Psychology	2014
<i>General Exam Committees</i>	
Jonathan Berliner, Psychology	2017
Jeremy Borjon, Psychology	2014
Samuel McDougale, Psychology	2014
Clarice Robenalt, Psychology	2014
Taylor Webb, Psychology	2014
Judith Fan, Psychology	2013
<i>Senior Theses</i>	
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), Instructor	S2015, F2015
From Molecules to Systems to Behavior (NEU502), Module	S2015, S2016, S2017
Proseminar: Cognitive Psychology, (PSY501), Instructor	F2013, F2015, F2017
Research Seminar in Cognitive Psychology (PSY543), Co-Instructor	F2013, S2014
Motor Control and Learning (PSY412/NEU412), Instructor	S2013, S2014

University Service

George Miller Memorial Prize Committee	2017
Princeton Alumni Association, Montreal Chapter	2017
Princeton Ideas Lab, World Economic Forum, Tianjin China	2016
Psychology Department Colloquium Committee Chair	2015-
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	2013-
Research Mentor, Laboratory Learning Program	2013-
Faculty Adviser, Senior Thesis Writing Group	2013

Other Academic Service

Associate Editor, The Journal of Cognitive Neuroscience
Editorial Board, Frontiers in Human Neuroscience
External Advisory Board Member for the Cognitive Computational System
Neuroscience Pathway, Washington University in St. Louis
National Science Foundation Graduate Research Fellowship Panelist
Research Domain Criteria Matrix Panel, National Institute of Mental Health

Ad Hoc Reviewer, Granting Agencies

French National Research Agency, Israel Science Foundation, National Science
Foundation Career Awards, The Flanders Research Foundation (Fonds
Wetenschappelijk Onderzoek), Wellcome Trust Senior Research Fellowships

Ad Hoc Reviewer, Journals

Attention, Perception, & Psychophysics, Behavioural Brain Research Cell Reports,
Cerebral Cortex, Cognitive, Affective, & Behavioral Neuroscience, Cognitive Science,

Consciousness and Cognition, Cosyne, Current Biology, Current Opinion in Biology, eLife, Experimental Brain Research, Frontiers in Human Neuroscience, Frontiers in Neuroscience, Frontiers in Psychiatry, Journal of Experimental Psychology: Human Perception & Performance, Journal of Experimental Psychology: Learning & Memory, Journal of Cognitive Neuroscience, Journal of Motor Behavior, Journal of Neurophysiology, Journal of Neuroscience, Motor Control & Motor Learning, Nature Communications, Neurobiology of Learning & Memory, Neuroimage, PLoS Computational Biology, PLoS One, Psychonomic Bulletin & Review, Scientific Reports, Proceedings of the National Academy of Science

Societies

American Physiological Society, Society for Neuroscience, The Neural Control of Movement Society, National Ataxia Foundation

Community Outreach

Lab Host, Science Mentors, Trenton Central High School of Communications	2016
Mentor, FIRST Robotics Competition Team 5666 Trenton STEM-to-Civics Charter High School	2016
Guest Lecturer, Princeton Adult School	2016
Guest Speaker, Pennsylvania Ataxia Support Group	2016
Guest Speaker, Robert Wood Johnson Parkinson's Disease Support Group	2015
Guest Speaker, STEM Club, New Brunswick High School	2014
Guest Speaker, Capital Health Parkinson's Disease Support Group	2014
Guest Speaker, New Jersey Ataxia Support Group	2014
Guest Speaker, Beth Israel Ataxia Support Group	2012, 2014
Guest Speaker, Northern California Ataxia Support Group	2012