Krista M. Bond

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CONTACT INFORMATION	436D Baker Hall Department of Psychology Carnegie Mellon University Pittsburgh, PA 15213
INTERESTS	Structural learning; learning rates; complementary learning systems

EDUCATION

Carnegie Mellon University &
Center for the Neural Basis of Cognition, Pittsburgh, Pennsylvania

PhD*
Cognitive Neuroscience, expected in 2022
Advisor: Tim Verstynen, Ph.D.

University of Alabama, Huntsville, Alabama

Bachelor of Science, *Cum laude*
Psychobiology, August 2012

FELLOWSHIPS

National Institutes of Health (NIH) Behavioral Brain Research Training Fellowship (2017 - present)

PEER-REVIEWED PUBLICATIONS

Bond K.M. and Taylor J.A. Structural learning in a visuomotor adaptation task is explicitly accessible. eNeuro. August; 10.1523/eneuro.0122-17.2017.

Bond K.M. and Taylor J.A. Flexible explicit but rigid implicit learning in a visuomotor adaptation task. The Journal of Neurophysiology. March; 10.1152/jn.00009.2015.

McDougle S.M., **Bond K.M.**, and Taylor J.A. Implications of plan-based generalization in sensorimotor adaptation. The Journal of Neurophysiology. April; 10.1152/jn.00974.2016.

McDougle S.M., **Bond K.M.**, and Taylor J.A. Explicit and implicit processes constitute the fast and slow processes of sensorimotor learning. The Journal of Neuroscience. July; 10.1523/jneurosci.5061-14.2015.

RESEARCH EXPERIENCE

Intelligent Performance and Adaptation Lab
Princeton University, Princeton, New Jersey

May 2014 - July 2017
Lab Manager | Advisor: Jordan Taylor, Ph.D.
March 2013 - May 2014
Research Assistant

Lifelong Learning Lab
University of Alabama, Huntsville, Alabama

May 2010 - May 2012
Research Assistant | Advisor: Jodi Price, Ph.D.

CONFERENCE PRESENTATIONS

Bond K., Taylor, J. (2016). Exploring structure-specific knowledge in a visuomotor adaptation task. Poster presentation at the Society for Neuroscience 46th annual conference.

Bond K., Taylor, J. (2016). Examining the contribution of explicit knowledge to structural learning in a visuomotor adaptation task. Poster presentation at the Neural Control of Movement 26th annual conference.

Bond K., Taylor, J. (2015). Explicit and implicit learning combine to support learning in visuomotor adaptation tasks. Poster presentation at the Neural Control of Movement 25th annual conference.

Bond K., Taylor, J. (2015). Explicit aiming strategies are fundamental to learning in a visuomotor adaptation task. Poster presentation at the Society for Neuroscience 45th annual conference.

Bond K., Taylor, J. (2015). Structural learning manifests in visuomotor rotation task aiming strategies. Poster presentation at the Progress in Motor Control X conference.

Bond K., Taylor, J. (2015). Explicit and implicit learning combine to support learning in visuomotor adaptation tasks. Poster presentation at the Neural Control of Movement 25th annual conference.

Taylor, J., **Bond, K.**, Krakauer, J., Ivry, R. (2013). A taxonomy of different motor learning processes. Poster presentation at the Society for Neuroscience 43rd annual conference.

Wright, B. J., **Bond, K.**, Taylor-Moody, B., Berry, J., Iqbal, F., Joseph, R., McElroy, K., Price, J. (2012). The role of agenda-based and habitual processes in self-regulated learning. Poster presentation at the Psychonomic Society 53rd annual conference.

Wright, B. J., Clement, L., Atkins, D., Park, M., **Bond, K.**, Price, J., Neuschatz, J. (2012). Feedback's impact on younger and older adults' number estimation performance. Poster presentation at the Psychonomic Society 53rd annual conference.

Wright, B.J., Atkins, D., Sledge, T., Berry, J. J., Lindsey, S., **Bond, K.**, Joseph, R., Clement, L., Ferguson, B., Iqbal, F., Tucker, A., Price, J. (2012). Does feedback improve older adults' numerosity estimation accuracy and confidence? Poster presentation at the Georgia Undergraduate Research Psychology 11th annual conference.

Clement, L., Park, M., McLemore, E., Richardson, B., **Bond, K.**, English, B., Price, J. (2011). Examining the impact of feedback on numerosity estimation. Paper presentation at the Southeastern Psychological Association 58th annual conference.

Clement, L., Atkins, D., Mann, E., **Bond, K.**, Price, J., Neuschatz, J. (2011). Manipulations that enhance integration do not reduce retrieval-induced forgetting. Poster presentation at the Psychonomic Society 52nd Annual Scientific Meeting.

Mueller, M., Meacham, S., Mann, E., Youngblood, C., Berry, J., **Bond, K.**, Price, J. (2010). Do points and presentation format affect learning of Chinese characters? Poster presentation at the Southeastern Psychological Association 57th annual conference.

PROGRAMMING LANGUAGES	MATLAB [fluent]	HTML/CSS [basic]
	Python [mid-level]	LaTeX [basic]
	R [mid-level]	

SCIENTIFIC OUTREACH & ADVISING	Trenton STEM-to-Civics Charter School | Science Outreach Volunteer (2017)
	Hopewell Elementary School | Science Fair Judge (2017)

Advised Jadelyn Flores, New Brunswick High School student participating in the Princeton Laboratory Learning Program (2015) | now: undergraduate at Princeton University

CERTIFICATIONS   Level II certification to operate Siemens 3T Skyra and Prisma Magnetic Resonance Imaging scanner.