

COURTNEY R. BURTON

Clinical and Cognitive Neuroscience Laboratory ▪ University of Georgia
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EDUCATION

- In Progress: Ph.D.** in Neuroscience
University of Georgia, Biomedical & Health Sciences Institute
Advisor: Dr. Jennifer McDowell
Expected May 2019
Athens, GA
- B.S.** in Psychology/Behavioral Neuroscience
Washington College
Summa Cum Laude, First Honor Graduate, Departmental Honors
Thesis: Assessing Free-running Rodent Circadian Rhythms Induced by
Constant Light of Different Wavelengths: An Animal Model of Depression
GPA: 4.0/4.0
Advisor: Dr. Michael Kerchner
May 2012
Chestertown, MD

HONORS AND AWARDS

- Franklin Foundation Travel Award
June 2016
- Michael H. Kernis Research Award (best first-year presentation)
April 2016
- Graduate School Travel Award
July 2015
- Scholars of Excellence Fellowship
Fall 2014-Spring 2015
- Early Graduate Recruiting Fellowship
Fall 2014-Spring 2015
- Psychology Department Outstanding Achievement Award
May 2012
- Outstanding Community Service Recognition
May 2012
- Phi Beta Kappa Honor Society
February 2012
- Douglass Cater Society of Junior Fellows (campus research society)
October 2011
- Visitors and Governors Medal (awarded to junior with highest average)
September 2011
- Psi Chi Honor Society
April 2011

MANUSCRIPTS

- Schaeffer, D.J., Rodrigue, A.L., **Burton, C.R.**, Pierce, J.E., Unsworth, N., Clementz, B.A., & McDowell, J.E.
(2015). White matter structural integrity differs between people with schizophrenia and healthy groups as a
function of cognitive control. *Schizophrenia Research*, 169, 62-68.

MANUSCRIPTS IN SUBMISSION

- Schaeffer, D.J., Rodrigue, A.L., **Burton, C.R.**, Pierce, J.E., Murphy, M.N., Clementz, B.A., & McDowell, J.E.
(Submitted). White matter fiber integrity of the saccadic eye movement network differs between
schizophrenia and healthy groups.

PRESENTATIONS

- “Introduction to Brain Imaging Techniques and Applications.” NOGGINS Conference, University of Georgia,
Athens, GA, April 2016.
- “White Matter Differences in Aniridia.” Department of Psychology, University of Georgia, Athens, GA,
October 2015.

POSTER PRESENTATIONS

Burton, C.R., Schaeffer, D.J., Bobilev, A.M., Pierce, J.E., Rodrigue, A.L., Krafft, C.E., Clementz, B.A., Lauderdale, J.D., & McDowell, J.E. Decreased white matter integrity in visual tracts in people with aniridia. To be presented at the Annual Conference of the Society for Neuroscience, San Diego, CA, November 2016.

Burton, C.R., Elbich, D., Ginty, A., Yeh, F-C., & Verstynen, T. Reward circuits and food cues: structural and functional relationships. Annual Symposium of the Multimodal Neuroimaging Training Program, Pittsburgh, PA, July 2015.

Fletcher, M.A., Low, K.A., Tan, C., Kong, T., Zimmerman, B., Schneider-Garces, N., Mathewson, K.E., **Burton, C.R.**, Sutton, B.P., Chiarelli, A.M., Maclin, E., Gratton, G., & Fabiani, M. The effects of fitness on subcortical brain anatomy and cognition across the life span. Annual Conference of the Society for Neuroscience, Washington, DC, November 2014.

Mathewson, K.E., Low, K.A., Schneider-Garces, N., Chiarelli, A., Tan, C.H., Kong, T.S., **Burton, C.R.**, Fletcher, M.A., Zimmerman, B., Sutton, B.P., Maclin, E.L., Fabiani, M., & Gratton, G. Retinotopic visual mapping of brain oxygenation and neuronal activity using simultaneous fast and slow near-infrared optical brain imaging in humans. Annual Conference of the Vision Sciences Society, St. Pete Beach, FL, May 2014.

Burton, C.R., Snover, S., Sughrue, E., & Littlefield, L. Investigating working memory: correlations, concussions, and calisthenics. Annual Conference of the Eastern Psychological Association, Pittsburgh, PA, March 2012.

Patel, E., **Burton, C.R.**, & Siemen, J. The cardiovascular effects of nicotine and oral contraceptives in young adults. Annual Conference of the Eastern Psychological Association, Pittsburgh, PA, March 2012.

Smoter, V., Barry, I., **Burton, C.R.**, Ellison, A., Finnegan, J., Parikh, P., Streeter, M., & Gibson, C. Behavioral and histological effects of traumatic brain injury on rats genetically predisposed to depression. Annual Conference of the Eastern Psychological Association, Pittsburgh, PA, March 2012.

RESEARCH EXPERIENCE

Graduate Assistant, Clinical and Cognitive Neuroscience Laboratory, August 2014-present
University of Georgia
Dr. Jennifer McDowell: white matter structure in psychiatric and healthy groups

Visiting Research Specialist, Cognitive Neuroimaging Laboratory, Sept 2012-July 2014
Beckman Institute for Science & Technology, University of Illinois at Urbana-Champaign
Dr. Monica Fabiani, Dr. Gabriele Gratton: opacity measures in diffuse optical tomography

Research Assistant, Graduate School of Biomedical Sciences, June-August 2011
University of Massachusetts Medical School
Dr. Hong-Sheng Li: neuronal signaling in visual phototransduction of *Drosophila melanogaster*

TEACHING EXPERIENCE

Teaching Assistant , Department of Psychology, University of Georgia Psychopharmacology	Spring 2016
Course Mentor, Peer Tutor , Office of Academic Skills, Washington College General Chemistry & General Psychology	Fall 2010-Spring 2012

WORKSHOPS

Multimodal Neuroimaging Training Program , Center for the Neural Basis of Cognition, University of Pittsburgh/Carnegie Mellon University Dr. Timothy Verstynen: Diffusion-Weighted Imaging	June-July 2015
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ADDITIONAL EXPERIENCE

Kent County Behavioral Health , Chestertown MD, student intern	August-Dec 2011
Illinois Summer Neuroscience Institute , University of Illinois at Urbana-Champaign	May 2011

PROFESSIONAL AFFILIATIONS

Society for Neuroscience , student member	2016
American Psychological Association , student affiliate	2011-2013
Eastern Psychological Association , associate member	2011-2013