

## CURRICULUM VITAE

**Jessica M. Smith**

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### EDUCATION

*Doctor of Philosophy*

Expected May 2017

Status: Pre-Doctoral Candidate

Neuroscience, Biomedical and Health Sciences Institute

University of Georgia, Athens, GA

GPA: 3.89 Overall

*Bachelor of Art*

May 2012

Psychology

Bloomsburg University, Bloomsburg, PA

GPA: 3.99 Overall/ 4.0 Major

### LABORATORY EXPERIENCE

Lab Member

University of Georgia, 04/13 – Present

Primary Investigator: Dr. Phillip V. Holmes

Focus: Behavioral Neuropharmacology

Laboratory Rotation

University of Georgia, 01/14 – 05/14

Primary Investigator: Dr. Jonathan Eggenschwiler

Focus: Neural Development

Laboratory Rotation

University of Georgia, 01/13 – 04/13

Primary Investigator: Dr. John J. Wagner

Focus: Neurophysiology and Pharmacology

Laboratory Rotation

University of Georgia, 08/12 – 01/13

Primary Investigator: Dr. Brian W. Haas

Focus: Genetic and Neural Correlates of Social Behavior

Research Assistant

Bloomsburg University, 05/11 – 08/11

Primary Investigator: Dr. Eric M. Stouffer

Focus: Learning and Memory

Research Assistant

Bloomsburg University, 05/10 – 06/10

Primary Investigator: Dr. Amy Covill

Focus: Application of Psychology to Teaching and Learning

### RESEARCH PUBLICATIONS

4. **Smith, J. M.**, Bhatti, D. L., & Holmes, P. V. (in preparation). Galanin suppresses consolidation and expression of fear conditioning and modulates cortical plasticity in rats.
3. Sciolino, N. R., **Smith, J. M.**, Freeman, K. G., Edwards, G. L., Stranahan, A. M., Weinshenker, D., & Holmes, P.V. (2015). Galanin mediates the neural and behavioral stress resilience afforded by exercise. *Neuropharmacology*, 89, 255-264. doi:10.1016/j.neuropharm.2014.09.029
2. Haas, B. W., Anderson, I. W., & **Smith, J. M.** (2013). Navigating the complex path between the oxytocin receptor gene (OXTR) and cooperation: an endophenotype approach. *Front. Hum. Neurosci.* 7(801).
1. **Smith, J. M.**, & Stouffer, E. M. (2013). Concord grape juice reverses the age-related impairment in latent learning in rats. *Nutritional Neuroscience*, 17(2), 81-87. doi:10.1179/1476830513Y.0000000064

### CONFERENCE PRESENTATIONS

6. Bhatti, D. L., **Smith, J. M.**, & Holmes, P. V. (2015). Galanin administration intra-vmPFC suppresses expression of conditioned contextual fear and modulates cortical plasticity in rats. Poster, Society for Neuroscience, Chicago, IL.
5. **Smith, J. M.**, Sciolino, N. R., Stranahan, A. M., & Holmes, P. V. (2013). Galanin and exercise block stress-induced reductions in prefrontal cortical dendritic spine density. Poster, Galanin Pre-SFN Meeting, San Diego, CA.
4. Sciolino, N. R., **Smith, J. M.**, Brewer, N., Walker, G. D., Freeman, K. G., Edwards, G. L., Weinshenker, D., & Holmes, P. V. (2013). Galanin and exercise confer behavioral resilience to stress and attenuate dopamine overflow in the frontal cortex. Poster, Society for Neuroscience, San Diego, CA.
3. **Smith, J. M.**, Sciolino, N. R., Stranahan, A. M., & Holmes, P. V. (2013). Galanin and exercise block stress-induced reductions in prefrontal cortical dendritic spine density. Poster, Southern Translational Education and Research Conference, Augusta, GA.
2. Stouffer, E. M., Barry, J. L., & **Smith, J. M.** (2012). The roles of endogenous and exogenous antioxidants in the onset and reversal of the middle age impairment in latent learning in rats. Poster, Society for Neuroscience, New Orleans, LA.
1. **Smith, J. M.**, & Stouffer, E. M. (2012). Reversal of the middle-age related impairments in latent learning using Concord grape juice. Poster, Eastern Psychological Association, Philadelphia, PA.

**TEACHING EXPERIENCE**

Instructor	01/15 – present	Psychopharmacology, University of Georgia, Athens, GA
Teaching Assistant	06/15 – 07/15	Psychopharmacology, University of Georgia, Athens, GA (Instructor: Dr. Richard Suplita)
Teaching Assistant	08/15 – 12/15	Research Design in Psychology, University of Georgia, Athens, GA (Instructor: Dr. Trina Cyterski)
Guest Lecturer	01/14	Physiological and Comparative Psychology, University of Georgia, Athens, GA (Instructor: Jessica Groves-Chapman)
Teaching Assistant	08/11 – 05/12	General Psychology, Bloomsburg University, Bloomsburg, PA (Instructor: Dr. Brett Beck)
Instructor	08/2011 – 05/12	GRE Preparation Program, Bloomsburg University, Bloomsburg, PA (Supervisor: Dr. Jennifer Johnson)

**HONORS AND AWARDS**

Biomedical Health and Sciences Institute Travel Award (\$1750), University of Georgia, Athens, GA, 2014  
 Ph.D. Scholars of Excellence Fellowship (\$38,000), University of Georgia, Athens, GA, 2012 - 2014  
 Top Honor Graduate of the College of Liberal Arts, Bloomsburg University, Bloomsburg, PA, 2012  
 Distinguished Student in Psychology, Bloomsburg University, Bloomsburg, PA, 2012  
 Ellen Barker Memorial Scholarship, Bloomsburg University, Bloomsburg, PA, 2011

**CERTIFICATIONS**

*Academic Honesty Panelist*, Student Academic Honesty Council, University of Georgia, 2014  
*Advanced Radiation Worker*, Environmental Safety Division, University of Georgia, 2013  
*Working with the Laboratory Rat*, Responsible Care & Use of Laboratory Animals Certification, 2013  
*Post-Procedure Care of Mice and Rats in Research: Minimizing Pain and Distress*, Responsible Care & Use of Laboratory Animals Certification, 2013  
*Staying Healthy while Working with Laboratory Animals*, Responsible Care & Use of Laboratory Animals Certification, 2012

**SCIENTIFIC AND ACADEMIC ASSOCIATIONS**

Student Academic Honesty Council, University of Georgia, 2013 - Present  
 Delta Epsilon Iota Academic Honor Society, October 2013 - Present  
 Society for Neuroscience (SFN), 2012 - Present  
 Phi Kappa Phi, Initiated April 2011  
 Eastern Psychological Association, 2011  
 Psi Chi, 2010 - Present

**GRADUATE COURSEWORK**

Neurophysiology, neuroanatomy, neural development, neuroscience seminar, psychopharmacology, foundations in pharmaceutical and biomedical sciences, responsible science, introduction to MRI physics, biological foundations of behavior, advanced experimental psychology, applied regression, pedagogy of writing in the disciplines

**RESEARCH SKILLS**

Stereotaxic brain surgery in rodents, behavioral pharmacology, *in situ* hybridization, densitometry, microinjections, gross brain dissections, cryostat sectioning, vibratome sectioning, enzyme-linked immunosorbent assay, golgi-cox impregnation, light microscopy, dendritic spine quantification, rodent behavioral testing, electrophysiology (limited experience), inkscape

**OTHER EXPERIENCE**

UGA Young Dawgs High School Internship Program, *Summer Dorm Counselor*, University of Georgia, Athens, GA, 2015  
 UGA Young Dawgs High School Internship Program, *Assistant Coordinator*, University of Georgia, Athens, GA, 2014 – present  
 UGA Young Dawgs High School Internship Program, *Presentation Judge*, University of Georgia, Athens, GA, 2014 - 2015  
 Academic Honesty Council Violation Court *Panel Member*, University of Georgia, Athens, GA, 2013 - present  
 Neuroscience School of Advanced Studies: Structural Plasticity in Neuropsychiatric Disorders, *Course Attendee*, Tuscany, Italy, 2014  
 Acute Partial Hospitalization Program, *Intern*, Sunbury, PA, 2011  
 Danville State Hospital, *Volunteer*, Danville, PA, 2010