

Stephen L. P. Lippi, Ph.D.

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Education

George Mason University, Fairfax, VA

- Ph.D., Psychology (Spring 2018), 3.98 GPA
 - Concentration in Cognitive & Behavioral Neuroscience
 - Dissertation title: *Characterization of a Novel hAPP/Tau Mouse Model of Alzheimer's Disease: Exploring the Impact of Zinc Supplementation*
- M.A., Psychology (Summer 2014), 4.0 GPA
 - Concentration in Cognitive & Behavioral Neuroscience
 - Thesis title: *The effect of mild copper deficiency on fear extinction and motor functioning*
- B.S., Psychology (Spring 2013), Magna Cum Laude, 3.86 GPA
 - Minor in Chemistry

Professional Experience

Angelo State University: Department of Psychology & Sociology

August 2018 – Present

Assistant Professor, Tenure-Track

- Graduate level:
 - **PSY 6317 – Evolutionary Psychology** (graduate elective course): F18
 - **PSY 6366 - Multivariate Design & Analysis** (graduate requirement for MS in Experimental Psychology): S19
 - **PSY 6341 - Advanced Learning** (elective graduate course in the MS in Applied Psychology program): S19 (online)
- Undergraduate level:
 - **PSY 2321 – Research Methods & Statistics** (required course for B.A. and B.S. Psychology majors): F18, S19
 - **PSY 4309 – Cognition** (required course for B.A. and B.S. Psychology majors): F18
 - **PSY 4313 – Behavioral Neuroscience** (required course for B.A. and B.S. Psychology majors): F18, S19

George Mason University: Department of Psychology

August 2013-July 2018

Graduate Teaching Assistant (GTA)

- Instructor for **PSYC 100 – Basic Concepts in Psychology** (lecture course required for B.A. & B.S. Psychology majors and minors in Psychology): focus on introduction of Psychology as a science and covering the basic areas of Psychology including abnormal, biological, cognitive, developmental, social, and learning & memory (F15, Summer16, Summer 17(online), Summer 18(online))
- Instructor for **PSYC 300 – Statistics in Psychology** (lecture course required for B.A. & B.S. Psychology majors): focus on descriptive and inferential statistics in design, analysis, and interpretation of psychological research (descriptive statistics, hypothesis testing, T-tests, ANOVAs, regression, non-parametric tests and SPSS are highlighted and explored)

- Instructor for **PSYC 372 - Physiological Psychology** (lecture course required for B.S. and B.A. Psychology majors): focus on neuroanatomy, neurophysiology, sensory systems, and relations between brain and behavior (S14, Summer14, F14, S15, F15, S16, F16, F17)
- Instructor for **PSYC 373 – Physiological Psychology Laboratory** (lab course required for B.S. Neuroscience and B.S. Psychology majors): focus on neurophysiology and neuroanatomy through use of sheep brain and eye dissections (F13, S14, S15, F17)
- Instructor for **PSYC 375 – Brain & Sensory Processes** (lecture course required for B.S. Neuroscience majors): focus on neurophysiology, neuroanatomy, and an in-depth focus on the sensory systems (F14, Summer15, Summer16, Summer17(online), Summer18(online))
- Instructor for **PSYC 461 – Special Topics in Psychology, Disorders in the brain** (elective lecture course covering topics such as drugs and addiction, stress, inflammation, Parkinson & Huntington disease, Traumatic Brain Injury, and Alzheimer’s disease). (F16)

University of Mary Washington: Department of Psychological Science

Spring 2018

Adjunct Faculty

- Instructor for **PSYC 100 – General Psychology** (lecture course required for Psychology majors): fundamental principles of human behavior; history, research methods, the nervous system, learning & memory, personality, psychological disorders, therapy, social behavior, and careers in Psychology

Publications

Lippi, SLP, Craven, KM., Hernandez, CM., Grant, GM., & Flinn, JM. (2018). Perfusion alters free zinc levels in the rodent brain. *Journal of Neuroscience Methods* (in press), [https://doi: 10.1016/j.jneumeth.2018.12.018](https://doi.org/10.1016/j.jneumeth.2018.12.018)

Lippi, SLP, Smith, ML, & Flinn, JM (2018). A novel hAPP/htau mouse model of Alzheimer’s disease: Inclusion of APP with tau exacerbates behavioral deficits and zinc administration heightens tangle pathology. *Front. Aging Neurosci.*, doi: 10.3389/fnagi.2018.00382

Publications (in progress)

Neely, C. L. C., **Lippi, S. L. P.**, Lanzirrotti, A., & Flinn, J. M. (2019, in preparation). Localization of free and bound metal species through X-ray synchrotron fluorescence microscopy in the rodent brain and its relation to behavior.

Honors and Awards

- Dissertation Completion Grant, Spring 2018 semester - **\$10,000**
- Osher Lifelong Learning Institute Scholarship - **\$500**
- 2016 American Psychological Association Dissertation Research Award - **\$1,000**
- 2016 Phi Kappa Phi Love of Learning Award - **\$500**
- Department of Psychology Outstanding Graduate Student Instructor, 2016
- Office of Student Scholarship, Creative Activities, and Research (OSCAR) Fellow (2014-2015)
 - A representative of the GMU OSCAR office; helped to promote the growth of undergraduate scholarship and research on campus
- Undergraduate Research Scholars Program (URSP) award recipient: Spring13, Summer13
 - Awarded through the OSCAR program
 - S13 - **\$1,500** towards research
 - Summer13 - **\$5,000** towards research

- Department of Psychology Outstanding Undergraduate Researcher, Spring 2013
- Department of Psychology Outstanding Senior Award, Spring 2013
- George Mason University, Dean's List: Fall 2010, Spring 2011, Fall 2011, Spring 2012, Fall 2012, Spring 2013

Select Presentations

Lippi, S. L. P., Craven, K. M., Smith, M. L., Sobeski, M. A., & Flinn, J. M. (2018, November). Assessment of brain pathology in a novel hAPP/Tau mouse model of Alzheimer's disease: Effects of zinc supplementation. Poster presented at the annual Society for Neuroscience (SfN) Conference, San Diego, CA.

Sobeski, M., **Lippi, S. L. P.**, & Flinn, J. M. (2018, November). Analysis of inflammatory biomarkers in a novel mouse model of Alzheimer's disease. Poster presented at the annual Society for Neuroscience (SfN) Conference, San Diego, CA.

Coschigano, N., Craven, K., **Lippi, S.**, & Flinn, J. M. (2018, November) The effect of repetitive mild traumatic brain injury on Alzheimer's mice containing mutations for amyloid precursor protein and tau. Poster presented at the annual Society for Neuroscience (SfN) Conference, San Diego, CA.

Lippi, S. L. P., Smith, M. L., Dimopoulos, T. T., Wood, J. M., Booth, A., & Flinn, J. M. (2017, November). Characterization of a novel APP/tau transgenic mouse model of Alzheimer's disease. Poster presented at the annual Society for Neuroscience (SfN) Conference, Washington, D. C.

Smith, M. L., **Lippi, S. L. P.**, Wood, J. M., Dimopoulos, T. T., & Flinn, J. M. (2017, November). Impairments in activities of daily living and wheel running behavior in a novel APP/tau mouse model of Alzheimer's disease. Poster presented at the annual Society for Neuroscience (SfN) Conference, Washington, D.C.

Lippi, S. L. P., Craven, K., & Flinn, J. M. (2017, August). The effects of perfusion on free zinc levels in the rodent brain. Poster presented at the APA annual convention, Washington, D. C.

Craven, K., Kochen, W., **Lippi, S. L. P.**, & Flinn, J. M. (2016, November). The effects of zinc on expression of phosphorylated tau and zinc fluorescence. Poster presented at the annual Society for Neuroscience (SfN) Conference, San Diego, CA.

Lippi, S. L. P. (2016, September). The effects of an online program and test format on student performance. Poster presented at the Innovations in Teaching & Learning (ITL) Conference, George Mason University, Fairfax, VA.

Lippi, S. L. P., Cerri, D. D. & Flinn, J. M. (2015, October) Zinpyr-1 in flash frozen tissue can be used to show increased Zn fluorescence in the dentate gyrus and CA3 region of the hippocampus. Poster presented at the annual Society for Neuroscience (SfN) Conference, Chicago, IL.

Neely, C.*, **Lippi, S. L. P.***, Wilkins, S. & Flinn, J. M. (2014, November) The effects of mild copper deficiency on fear extinction and motor behavior. Poster presented at the annual Society for Neuroscience (SfN) Conference, Washington, D. C. (* Primary co-authors)

Mentored research Presentations

Sobeski, M., **Lippi, S. L. P.**, & Flinn, J. M. (2018, November) Analysis of inflammatory biomarkers in a novel mouse model of Alzheimer's disease. Poster presented at the annual Society for Neuroscience (SfN) Conference, San Diego, CA.

Professional Activities

- Journal Manuscript Reviewer
 - Scholarship of Teaching and Learning in Psychology (STL) - 2018
- Textbook Reviewer
 - Flatworld – *Biopsychology: Fundamentals, Contemporary Issues, and the Future* review - (Summer 2018)
 - Sinauer Associates, Inc. Publishers Textbook Reviewer (Behavioral Neuroscience, Eighth edition, *Breedlove*) - (Summer 2018)
 - Oxford University Press USA Textbook Reviewer (Biological Psychology, *Kelly Lambert*) - (Summer 2017)
 - SAGE Publications Textbook Reviewer (Brain and Behavior: The Essentials and Beyond) - (Summer 2016)
- Educational Testing Service: College Board
 - 2017-2018
 - AP Psychology Exam Reader
 - Served as a reader at the AP Psychology Exam grading event in Tampa, FL. Duties included careful inspection of test materials and grading exams based on rubrics to ensure reliability for students taking the AP Psychology exam.
- George Mason University Students in Neuroscience (SiN), 2013-2018
 - Vice President, 2016-2017
 - Secretary, 2015-2016
 - Webmaster, 2013-2014
- George Mason University, Cure Mental Illness Chapter
 - Secretary, 2016-2017

Affiliations/Memberships

- Society for Neuroscience (SfN), Graduate Student Member, 2013-*Present*
 - Conference attendee; attendee at workshops and talks for professional development
 - Poster presenter, 2013-2015, 2017-*Present*
- American Psychological Association (APA), 2014-*Present*
 - Experimental Psychology Division
 - Teaching of Psychology Division
- Association for Psychological Science (APS), 2016 - 2018
- The Honor Society of Phi Kappa Phi, 2016 - 2017
- Golden Key International Honour Society, 2016-*Present*
- Psi Chi: The International Honor Society in Psychology, 2012 - *Present*
- Alpha Lambda Delta: Freshman Honor Society, 2011-*Present*

Professional Development/Conferences Attended

- Society for Neuroscience (SfN) (2013-*present*)
- PROV 701: Preparing for Careers in the Academy (Fall 2017-Spring 2018 cohort)
- Innovations in Teaching & Learning Conference, George Mason University (2015 – 2017)

- APA Annual Convention (2017)

Skills / Certifications

- Programming for Everybody (Getting Started with Python) by University of Michigan on Coursera. Certificate earned on July 3, 2017.
- Proficient in statistical software
 - SPSS
 - GraphPad Prism
- Proficient in Microsoft Office (Word, Excel, PowerPoint)

Research Experience

George Mason University: Department of Psychology, Cognitive & Behavioral Neuroscience (CBN)
Fall 2013- Summer 2018

- Completed doctoral program in the CBN program under Dr. Jane Flinn investigating the role of biometals (Zinc) in a novel double transgenic mouse model of Alzheimer's disease (expressing mutated APP and tau)
- **Animal Handling & Behavioral testing**
 - Animal health and care (rats and mice), Fear conditioning, Fear Extinction, Accelerating Rotarod, Burrowing, Nesting, Morris Water Maze, Odor Habituation, Barnes Maze, Elevated Plus/Zero Maze, Forced Swim and respective software
- **Histology, Slicing, Post-mortem studies**
 - Experience in slicing brain tissue on both cryostat and vibratome
 - Histological stains including Cresyl Violet, Thionin, Luxol-Fast Blue, Rhodanine, and Golgi Cox, tracing neurons with use of the NeuroLucida computer program
 - Analysis of brain tissue through use of Zinpyr-1 staining of brain tissue (Zinc fluorescence), and Western Blotting to analyze protein levels in postmortem tissue

George Mason University: Science & Technology Campus
Spring 2016

- **Intensive laboratory techniques course** covering primary cell culture, toxicity assays, qPCR, and Western Blotting in A549 lung alveolar epithelial cells.