

EDUCATION

MS, PhD in Cognitive Psychology (Fall 2013 - Spring 2018)
University of Oklahoma - Norman, Oklahoma
Minor: Biology

BA Psychology - Behavioral Neuroscience (Fall 2010 - Summer 2013)
St. Edward's University - Austin, Texas
Minor: Biology

RESEARCH EXPERIENCE

OU Office of Academic Assessment

Graduate Research Assistant (Summer 2015 - Spring 2016)

Supervisors: Felix Wao, Ph.D. and Ryan Chung, Ph.D.

- Assisted in creation and administration of assessment tools
- Analyzed data collected from assessment tools, including structural equation modeling
- Created and conducted workshops and presentations

Cerebral Oxygenation and Memory Consolidation in Elders with and without Mild Cognitive Impairment

Graduate Research Assistant (Spring 2014 - Spring 2015)

Advisors: Barbara Carlson, Ph.D. and Michael J. Wenger, Ph.D.

- Created FCSRT-based memory consolidation paradigm with EEG integration using E-Prime software
- Co-developed protocol with interdisciplinary collaborators, set up and managed lab space, maintained IRB and HIPAA standards, trained research assistants and managed staffing/scheduling, collected and began analysis on preliminary data
- Utilized 64 channel high impedance electrode caps and cerebral oximetry sensors

Chemobrain and Aging in Breast Cancer Survivors

Graduate Research Assistant (Summer 2014 - Spring 2015)

Advisors: Melissa Craft, Ph.D.

- Adapted *Cerebral Oxygenation* protocol for new population and new research questions
- Co-developed screening and experiment administration protocols

Description of Cerebral Oxygenation and Cerebrovascular Reactivity in LBD and Amnesic MCI –Naps

Graduate Research Assistant (Summer 2014 - Spring 2015)

Advisors: Barbara Carlson, Ph.D. and Michael J. Wenger, Ph.D.

- Co-developed protocol for administration of low impedance electroencephalography as well as other physiological measures (cerebral oximetry, EKG, airflow with thermocouple, pulse oximetry, breaths)

OU Visual Neuroscience Laboratory, Graduate Research Assistant (Fall 2013 - Spring 2015)

Advisor: Michael J. Wenger, Ph.D.

- Assisted in data collection for a project comparing cognitive tests (including WAIS-IV and CANTAB) as well as projects utilizing high impedance 128 channel EEG nets
- Trained others in 128 channel EEG net administration
- Developed skills in data management and statistical analysis

OU Visual Neuroscience Laboratory, Undergraduate Research Assistant (Spring 2013 - Summer 2013)

Advisor: Michael J. Wenger, Ph.D.

- Assisted in processing of EEG data using MATLAB
- Developed materials and instructed others in the administration of WAIS-IV

Demographic Differences in the Bystander Effect Among Undergraduate Students (Fall 2012)

Advisor: Kelly E. Green, Ph.D.

- Developed and implemented an original survey study, including data collection, SPSS analysis, and a departmental presentation

Survey of Ant Diversity in Wild Basin Nature Reserve (Fall 2011 - Spring 2012)

Advisor: Alan Hook, Ph.D. (Deceased)

- Developed and implemented a field study in descriptive entomology, including methods design, specimen collection, pinning and tagging, identifying to genus

AWARDS AND HONORS

Neuroscience Scholars Program Associate - Program designed to enhance career development and professional networking opportunities for underrepresented and diverse graduate students and postdoctoral fellows in the field of neuroscience (2014-2016)

SEU Service Scholarship - For an exceptional number of volunteer/service hours (2012-2013)

BSS Charity and Faith Award - For exemplifying outstanding spiritual work through volunteer hours (2012-2013)

PRESENTATIONS

Conference

2015, Poster Presentation. L. R. Tate, M. J. Wenger, L.E. Murray-Kolb, & J. D. Haas. "Predicting changes in system-level energy expenditure from changes in electroencephalographic power spectra as a function of variations in cognitive workload." Nutrition Across the Lifespan: Nutrition, Neurobiology, Mood and Behavior Poster Session, Experimental Biology Annual Conference. March 31.

2014, Poster Presentation. L. R. Tate, M. J. Wenger, L.E. Murray-Kolb, & J. D. Haas. "Iron deficiency modulates behavioral, physiological, and cortical responses to variations in perceptual workload." Mechanisms of Attention Poster Session, Society for Neuroscience Annual Conference. November 18.

Invited

- 2015, Invited Speaker. R. Chung, L.R. Tate, and K. Golding-Ross. "Strategies for Assessing Student Learning." Teaching Assistant Orientation, University of Oklahoma. August 18. A presentation for incoming graduate students on the basics of student assessment, with a focus on rubrics.
- 2015, Panelist. S. Wallace, J. Davis, E. Bond, & L.R. Tate. "What is College?" Sooner Upward Bound, University of Oklahoma. July 16. A panel discussion for disadvantaged high school students' about how to apply to college, undergraduate life, and tips for academic success.
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SERVICE

OU Psychology Graduate Student Association, *Service Chair* - Organized group philanthropy events (2014-15, 2015-16)

Integrity Council, *Adjunct Counselor* - Acted as deliberator in academic misconduct hearings and Peer Educator in "Do You Understand Integrity?" courses (April 2015 - present)

LGBTQ Ally Program, *Faculty Ally Advisory Board GTA Member and Student Ally* - As a Board Member, advised the Women's Outreach Center on the Faculty Ally program, making it more relevant for GTAs. As an Ally, participated in training and registered as an Ally, an advocate for equality and advertise open-door for LGBTQ students in need (March 2015 - present)

Sexperts Program, *Educator* - Represented the Women's Outreach Center and provided sexual and reproductive health education workshops to OU undergraduate students (August 2015 - present)

TEACHING EXPERIENCE

Graduate Teaching Assistant - Introductory Psychology (Spring 2014)

- Developed skills in management of undergraduate TAs as well as teaching approaches in class sizes of 300+ students

Graduate Teaching Assistant - Research Methods (Fall 2013)

- Developed lesson plans from general guidelines, delivered lectures, instructed in experimental design and statistical analysis, directed multiple group projects, graded research papers and posters

Recovery Learning Center, Rescue Mission Ministries (Summer 2012)

- Basic Math Skills
- Taught basic arithmetic through the fundamentals of algebra and geometry

ASPIRE, Integral Care (Fall 2011 - Spring 2012)

- Intensive one-on-one tutoring of an at-risk HS dropout in reading and writing ability
- Included case management duties

Recovery Learning Center, Rescue Mission Ministries (Summer 2011)

- Science for GED Students
- Taught material from biology, chemistry, physics, mathematics, and environmental science

Private Tutor - General Chemistry (Fall 2010)