

JESSICA SIMON

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EDUCATION

Doctor of Philosophy – Neuroscience

July 2018- Current

Florida State University

GPA: 3.9

Bachelor of Arts - Psychology Honors Program

August 2014 – May 2018

University at Albany, State University of New York

GPA: 3.8 (Summa Cum Laude)

Honors Thesis: “Predictors and Consequences of Learning Management System Use Frequency”

Dean’s List, all semesters

PUBLISHED RESEARCH

Zheng, Y., You, Y., Farias, A. R., **Simon, J.**, Semin, G. R., Smeets, M. A., & Li, W. (2018). Human chemosignals of disgust facilitate food judgment. *Scientific reports*, 8(1), 17006.

Meynadasy, M., Clancy, K., Ke, Z., **Simon, J.**, Wu, W., & Li, W. (2019). Impaired early visual categorization of fear in social anxiety. *Psychophysiology*, e13509.

Clancy, K. J., Andrzejewski, J. A., **Simon, J.**, Ding, M., Schmidt, N. B., & Li, W. (2020). Posttraumatic Stress Disorder Is Associated with α Dysrhythmia across the Visual Cortex and the Default Mode Network. *Eneuro*, 7(4).

ORAL & POSTER PRESENTATIONS

Simon, J., Brown, J., Rademaker, M., Li, W. Peak-trough asymmetry in alpha oscillations: A novel marker of hyperacusis in anxiety. Poster presented at: Cognitive Neuroscience Society Annual Meeting; March 2021, Virtual.

Simon, J., Brown, J., Rademaker, M., Li, W. Peak-trough asymmetry in alpha oscillations: A novel marker of hyperacusis in anxiety. Poster presented at: Graduate Research Day (FSU); April 2021, Virtual.

Rademaker, M., **Simon, J.**, Carbello, D. What happens once may happen again: visual sensory gating of familiar stimuli. Florida Undergraduate Research Conference; February 2020, Florida State University

Carbello, D., **Simon, J.**, Rademaker, M. Visual signal detection of redundant stimuli Florida Undergraduate Research Conference; February 2019, Florida State University

Simon, J. & Randall, J. G. (2018, May). *What Motivates You? Predictors and consequences of learning management system use*. Presentation conducted at SUNY Albany’s Undergraduate Research Conference. Albany, NY.

RESEARCH EXPERIENCE

Graduate Research Assistant

Risk for Anxiety and Depression Laboratory (Tallahassee, Florida)

Department of Psychology

May 2021- Current

Greg Hajcak, Ph.D.

- Programming experimental paradigms using Presentation
- Brain Vision Analyzer for event-related potentials (ERP) extraction and data cleaning.

Graduate Research Assistant

Cognitive Affective Neuroscience Research Laboratory (Tallahassee, Florida)

Department of Psychology

July 2018- May 2021

Wen Li, Ph.D.

- Programming experimental paradigms, preprocessing, and data analysis using MATLAB.
- Preprocessing using EEGLAB.
- Fully Automatic Statistical Thresholding for EEG artifact Rejection (FASTER) for event-related potentials (ERP) extraction and data cleaning.
- Data collection: behavioral, electroencephalographic, and functional magnetic resonance imaging (fMRI).
- Preprocessing and Analysis of fMRI data using Statistical Parametric Mapping (SPM).
- Participant intake, cap preparation, and data acquisition using Brain Vision EEG system.
- Non-invasive Brain Stimulation (NIBS): Transcranial Alternating Current Stimulation (tACS).
- Exact Low-Resolution Brain Electromagnetic Tomography (eLORETA) source localization and connectivity.
- Statistical Analysis using SPSS and R.
- Questionnaire presentation using Qualtrics.
- Mentoring undergraduate directed individual studies and honors thesis students.

UNDERGRADUATE RESEARCH EXPERIENCE

Research Assistant

Behavioral Neuroscience Research Laboratory (Albany, New York)

Department of Psychology

May 2017- May 2018

Andrew Poulos, Ph.D.

- Quantified freezing behaviors in rodents.
- Quantified immediate early genes (c-fos).
- Quantified retrograde labeling of fluorogold.
- Training in the animal facilities including euthanasia training.
- Attended weekly lab meetings.
- Attended monthly department-wide meetings.
- Initiated pilot study.
- Extensive use of Excel and Paint.net.
- Histology.

Honors Thesis in Psychology

September 2016 – May 2018

Jason G. Randall Ph.D.

Project: Predictors and Consequences of Learning Management System Use Frequency.

Independent project revealing whether learning management system (LMS) use frequency mediated the relationship between motivational styles (i.e. performance approach, performance avoidance, mastery) and academic performance and stress. Longitudinal assessments were provided through Qualtrics survey site to assess students' performance and stress levels throughout the semester. I was involved in all aspects of this project.

- Conducted an extensive literature search on the subject of my thesis.
- Submitted research to the Institutional Review Board.
- Created hypotheses and scales.
- Worked with Qualtrics Survey site and SONA participant management system.
- Applied statistical techniques using SAS and SPSS.

Research Assistant

Industrial and Organizational Psychology Research Assistant (Albany, New York)

January 2016 – May 2018

Jason G Randall Ph.D.

- Proctored data collection sessions for an Air Traffic Control Task Training.
- Connected the laboratory with other on-campus researchers.
- Attended weekly lab meeting.
- Presented on scholarly articles.
- Learned data cleaning techniques.

Research Assistant

Cognitive Psychology Research Laboratory (Albany, New York)

Department of Psychology

September 2016– January 2016

Wilfred Trammell Neill Ph.D.

- Proctored data collection sessions.
- Evaluated statistics.
- Managed paperwork such as informed consent, demographic surveys, and debriefing forms.
- Attended weekly lab meetings.

TEACHING EXPERIENCE AND TRAINING

Undergraduate Physiological Psychology (Neuroanatomy) Lab Professor

Florida State University, Tallahassee, Florida

September 2019 – December 2019; Fall 2020 – Spring 2021

Three sections—64 students to date.

- Ensured adequate preparation of laboratory lecture slides, specimen, quizzes, and exams.
- Met with other graduate and undergraduate teaching assistants to prepare for instruction.

- Mentored undergraduate teaching assistant who facilitated review sessions and graded homework
- Assisted students with identifying structures during weekly labs.
- Other duties included grading and office hours.
- Moved course content to an online learning management system platform (Canvas) for remote instruction.

Guest Lecturer

Florida State University, Tallahassee, Florida

Brain and Behavior (Instructor of record: Orenda Johnson)

April 2021

- Expedited a lesson on neurobiological correlates of anxiety disorders.
- Facilitated classroom discussion, monitored student responses, and clarified key material using active learning strategies.

Teaching Practicum

Florida State University, Tallahassee, Florida

January 2021 – April 2021

- Attended weekly lessons to prepare for teaching an independent lecture course.
- Built undergraduate Abnormal Psychology course including course goals, specific learning outcomes, syllabi, and grading methods.
- Completed two micro-lectures (10, 25 minutes in duration) with feedback session
- Developed initial teaching philosophy and diversity statements.
- Formed and demonstrated skills and techniques for facilitating learning, with particular attention to evidence-based teaching and learning.

Mentorship

Florida State University Psychology Honors Thesis Mentees:

- Destiny Carbello, Honors Thesis: “Influence of Trait and State Anxiety on Visual Signal Detection”. Current position: Cognitive Neuroscience Graduate Student, University of Amsterdam
 - Carbello, D., **Simon, J.**, Rademaker, M. Visual signal detection of redundant stimuli Florida Undergraduate Research Conference; February 2019, Florida State University
- Mason Rademaker
 - Rademaker, M., **Simon, J.**, Carbello, D. What happens once may happen again: visual sensory gating of familiar stimuli. Florida Undergraduate Research Conference; February 2020, Florida State University

Professional Development

- Program for Instructional Excellence (PIE) Workshops Summer 2020:
 - Online Assessment: Exploring the intricacies of proctored testing and alternatives
 - Educational Media for Online Learning: Tips, Tools, and Resources
 - Fostering Student Engagement in the Online Classroom
 - Creating Realistic Course Objectives and Learning Outcomes & Setting up your Canvas Site
 - Designing Activities and Assessments to meet your course objectives
- PIE Workshops Fall 2020:
 - Enhancing Teaching using Virtual Reality
 - Designing and Facilitating Effective Group Projects
- PIE Workshops Spring 2021:

- Giving and Receiving Feedback: Improving Student Self-Regulation and Developing an Honest Classroom Culture.
- Let's Talk About Grading!
- Diversity Statement Workshop & DEI in the classroom
- How to create a teaching portfolio
- Supporting Students in Times of Stress
- Society for the Teaching of Psychology (STP) Workshops Fall 2020:
 - Creating Academic Experiences to increase skill confidence (Ciarocco, Strohmets)
 - Teaching as Alchemy 2.0: The Covid Variations (Halonen)
 - Big Teaching: transformative practices from the scholarship of teaching and learning (Hurney)
- Office of Distance Learning: Universal Design for Learning Training (Spring 2021)
- Teaching Brown Bag (Fall 2019- Current)
- Horizons by (John) Hopkins (November 12th, 2020)
- PIE Teaching Training Recognition (Fall 2018)
- Diversity & Inclusion in Research & Teaching Organization (DIRECTO) Conversation Series: Diversity Statements (Summer 2021)
- Neuroscience Teaching Conference (Summer 2021)

ASSOCIATION MEMBERSHIPS AND AWARDS

- Member of Cognitive Neuroscience Society (Spring 2019-2020)
- Sponsored Member of the American Association for the Advancement of Science through AAAS/Science Program for Excellence in Science (Spring 2019 – Spring 2020)
- Member of Psi Chi: Psychology Honor Society (2016-current)
- Undergraduate Research Opportunity Mentor (Fall 2019-Spring 2019)
 - Awarded \$250 grant for mentorship.
- Member of Congress of Graduate Students (Fall 2018-current)
 - Awarded \$200 for conference attendance.
- Member of Neuroscience Graduate Student Association (Fall 2018 – current)
- Member of Society for Teaching of Psychology (Fall 2020 – current)
- Grosslight Teaching Conference Scholarship Recipient (Fall 2020)

VOLUNTEERISM/ SERVICE

- Neuroscience Graduate Student Association President Elect (Summer 2021- Summer 2022) slated to be President in 2022-2023 academic year
- Neuroscience Graduate Student Association Outreach Coordinator (Summer 2020 – Summer 2021)
 - Organized graduate students for outreach events including North Florida Brain Bee, Brain Fair, and Society for Neuroscience Brain Awareness Week.
 - Mentored Outreach Coordinator Elect.
- FSU Program in Neuroscience Recruitment Chair (Summer 2020 – Summer 2021)
 - Assisted remote recruitment of a diverse pool of prospective graduate students.
- North Florida Brain Bee Coordinator: (Fall 2019)
 - Created lectures to prepare students for Brain Bee.
 - Student recruitment and hosting of high school neuroscience competition.
- Tallahassee Science Festival: Neuroscience Booth (October 2018, 2019)
 - Coordinated neuroanatomy booth and volunteers.
- FSU Neuroscience Publicity Committee Member (Fall 2020- current)

- Undergraduate President of To Write Love On Her Arms (Fall 2016- Spring 2018)
- Walk Chair of the Out of The Darkness: Suicide Prevention Walk (Spring Semester 2017), Vice Walk Chair (Spring 2018)
 - Raised \$20,000 toward suicide prevention efforts.
 - Promoting increased awareness, reduced stigma, and resources through campus advocacy.

PROFESSIONAL EXPERIENCE

Friendship House (Hackensack, New Jersey)

May 2016– August 2016

Mental Health Intern

- Facilitated Psychosocial and Psychoeducational groups.
- Worked hands-on in a workshop helping the members with tasks and training.
- Observed intakes into the facility.
- Worked with their online management system to write notes about members and their behavior throughout the day.
- Evaluated patients mental and medical history to get a comprehensive view of the member.
- Observed counseling sessions between members and licensed psychologists.

RELATED COURSE WORK

- Graduate
 - Analysis of Variance (ANOVA)
 - Regression
 - Cellular and Molecular Neuroscience
 - Systems and Behavioral Neuroscience
 - Neuroanatomy
 - Function Magnetic Resonance Imaging
 - Responsible Conduct of Research
 - MATLAB for Experimental Psychologists
 - Neuroscience Methods
 - Adult Development and Psychopathology
 - Affective Neuroscience
 - Teaching Practicum
- Undergraduate:
 - Statistical Methods in Psychology
 - Experimental Psychology
 - Behavioral Neuroscience
 - Advanced Behavioral Neuroscience
 - Personality Psychology
 - Child Developmental Psychology
 - Abnormal Psychology
 - Memory and Cognition
 - Industrial and Organizational Psychology
 - History of Psychology
 - Psychopharmacology
 - Clinical Methods