RESEARCH STATEMENT

My research interests are on structural volumetrics and connectivity between regions of the brain involved in socioemotional information processing, such as those in the basal ganglia and limbic system, using magnetic resonance and diffusion tensor imaging. I am particularly interested in adult age and sex differences of the structures and their functional impact, particularly in the context of pain experience and the effects of oxytocin on pain perception.

EDUCATION

May 2020  PhD Psychology, University of Florida
anticipated
Concentrations: Developmental Psychology, Cognitive and Behavioral Neuroscience

May 2018  M.S. Psychology, University of Florida
Thesis: Age-Differential Effects of Intranasal Oxytocin on Resting-State Functional Connectivity in Women

April 2013  B.A. Psychology, Ashford University, magna cum laude

PUBLICATIONS


CONFERENCE PRESENTATIONS

(*indicates undergraduate presenter)

Oxytocin vs Placebo Administration Modulation of Amygdala and Accumbens Volume. Poster presentation at the Annual Meeting of the Organization for Human Brain Mapping, Singapore 2018


FELLOWSHIPS, HONORS AND AWARDS

2015 Graduate School Fellowship Program Award, University of Florida, College of Liberal Arts and Sciences and Department of Psychology

2013 Magna Cum Laude, Ashford University, Department of Psychology

RESEARCH EXPERIENCE

2015 - present University of Florida, Graduate Student Research Assistant, Department of Psychology, Gainesville, FL, USA

2013 - 2015 Seattle Children’s Research Institute, Clinical Research Associate, Child Health, Behavior and Development, Seattle, WA, USA

2012 – 2015 University of Washington Medical Center, Research Assistant, Radiology Department, Integrated Brain Imaging Center, Seattle, WA, USA

TEACHING EXPERIENCE

Spring 2018 Teaching Assistant, Introduction to Psychology, University of Florida, (online) undergraduate course (Dr Dorey)

Fall 2017, Spring 2016 & 2017 Teaching Assistant, Developmental Psychology, University of Florida, (online) undergraduate course (Dr Marina Klimenko)
Fall 2015 & 2016 Teaching Assistant, University of Florida, Developmental Psychology, undergraduate course (Dr Natalie Ebner)

MENTORSHIP

Rachna Sannegowda, University of Florida, University Scholars Program (USP) Biomedical Engineering senior thesis, Spring 2018

Rita Hayes, University of Florida, Biology senior thesis, Spring 2018

Elisha Myers, University of Florida, Psychology senior thesis, Spring 2018

TALKS AND LECTURES

2018 Lussier, D. Scripting with Unix Shell. University of Florida, Developmental Colloquium, Gainesville, FL, USA


2014 Gulliford, D. Updates in Autism: New Research and the DSM. Pierce College Fort Steilacoom, Abnormal Psychology class, Lakewood, WA, USA

2013 Gulliford, D. An Introduction to Neuroimaging. Pierce College Fort Steilacoom, Introduction to Psychology class, Lakewood, WA, USA

2013 Gulliford, D. Neuroimaging and Developmental Disorders. Pierce College Fort Steilacoom, Abnormal Psychology class, Lakewood, WA, USA


WORKSHOP PARTICIPATION

2017 Montreal Artificial Intelligence and Neuroscience: Machine Learning with NiLearn and Scikit, Centre de Recherches Mathématiques, Université de Montréal, Montreal, QC, Canada 2017 (Dr Gaël Varoquaux)

2017 Montreal Artificial Intelligence and Neuroscience: Tensorflow for Deep Learning in Neuroimaging, Centre de Recherches Mathématiques, Université de Montréal, Montreal, QC, Canada (Dr Robb Brown)
2017 **Reproducible Neuroimaging (Repronim) training**, ReproNim: Center for Reproducible Neuroimaging Computation, Washington, DC, USA (Dr J Bates, Dr S Ghosh, Dr J Grethe, Dr Y Halchenko, Dr C Haselgrove, Dr S Hodge, Dr D Jarecka, Dr D Keator, Dr D Kennedy, Dr M Martone, Dr N Nichols, Dr S Padhy, Dr JB Poline, Dr N Preuss, Dr M Travers)

**METHODS AND TECHNOLOGY**

*Neuroimaging Methods*
DTI, fMRI, MRI, MRS

*Software*
FSL, CONN, Freesurfer, Slicer3D, RStudio, SPM, SPSS, Matlab, Presentation, Eprime

*Programming Languages*
Unix shell, R, Python, C, SDL, PCL, html, JavaScript

*Operating Systems*
Linux (Debian, Ubuntu), Windows (XP, 7, 10)

*Server Experience*
Ngnix, Apache - Debian 8, Debian 9, Ubuntu 16.04

**PROFESSIONAL AFFILIATIONS**

2013- present Organization for Human Brain Mapping (OHBM), junior/student member