Dr. Ethridge’s research explores the role of electroencephalography (EEG) as a midpoint in bench to bedside translational neuroscience research, with a focus on sensory processing abnormalities in autism spectrum disorders (ASD) and Fragile X Syndrome (FXS). Auditory hypersensitivity is a common concern in individuals with ASD and/or FXS. Collaborative translational studies using EEG in both individuals with FXS and FMR1 knockout mouse models can not only lead to better understanding of neural pathways contributing to sensory processing but also to potential treatment development and outcome monitoring.

This talk will highlight a series of studies starting with basic research in this area leading to current clinical trials in FXS using EEG as an outcome measure.

Thursday, January 16
4:00 - 5:00 p.m.
Hamilton College 322
*Space may be limited

Dr. Lauren Ethridge received her Ph.D. in neuroscience from the University of Georgia and completed her postdoctoral training at the Center for Autism and Developmental Disabilities at UT Southwestern Medical Center. She is currently faculty in Pediatrics at the University of Oklahoma Health Sciences Center and in Psychology at the University of Oklahoma. She is the Principal Investigator for the Brain and Biomarker lab, which centers on the use of dense-array EEG as a translational tool for learning more about brain function in neurodevelopmental disorders.

If you have any questions, please contact Nichole Mayberry at mayberrn@mailbox.sc.edu.