

Rachael Slate
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EDUCATION

2013 – 2017 Bachelor of Science in Psychology
Michigan State University; East Lansing, Michigan

- Developed research and analytical skills, the ability to assimilate complex information and present it in a persuasive and clearly presented argument.
- Presented research findings to numerous groups of students and academics.

Spring 2016
University of Kent; Canterbury, England

- Was enrolled in Psychology modules incorporating the teaching style of graduate school

RESEARCH EXPERIENCE

- Project Coordinator/Lab Administrator
Department of Psychology
Michigan State University
Summer 2017-Summer 2019
 - **Responsibilities:**
I assisted Dr. Katharine Thakkar with numerous projects in her Clinical Neuroscience Lab. My specific responsibilities included recruiting participants from the community, administering SCIDs, symptom interviews and assessments, running participants, taking pupil light reflex measurements via Pupillometer®, analyzing data, corresponding with the NIMH and IRB, training new RAs, setting up equipment, and more.
- Research Assistant
Department of Psychology
Michigan State University
Summer 2016-Summer 2017
 - **Responsibilities:**
I assisted Dr. Jason Moser with numerous projects in his Clinical Psychophysiology Lab. My specific responsibilities included running

participants (both adults and children), training new RAs, setting up equipment, and cleaning equipment.

- Research Assistant
Department of Psychology
Michigan State University
Summer 2016-Summer 2017
 - **Responsibilities:**
I assisted Dr. Taosheng Liu with numerous projects in his Neuroimaging of Perception and Attention Lab. My specific responsibilities included running participants, scheduling/contacting participants, training new RAs, and setting up equipment.

PRESENTATIONS

- Slate, R. (September, 2018). *The pupil light reflex as a function of schizotypal traits*. Poster was presented at the Society for Research in Psychopathology at the Marriott Hotel, Indianapolis, IN
- Slate, R. (May, 2017). *Convergent Validity of ERN and Pe Across Flanker and Go/No-Go Tasks in Community Adults*. Poster was presented at the Association for Psychological Science at the Sheraton Boston Hotel, Boston, MA
- Slate, R. (April, 2017). *Convergent Validity of ERN and Pe Across Flanker and Go/No-Go Tasks in Community Adults*. Poster was presented at the University Undergraduate Research and Arts Forum at Michigan State University, East Lansing, MI

RELEVANT SKILLS & ACHIEVEMENTS

- **A skilled communicator** –
 - Recruited, scheduled, and kept in contact with community adults with diagnoses of Schizophrenia and Bipolar Disorder
 - This involved individuals who were at different stages of the diagnosis process; for example, some were considered First-Episode Psychosis, while others were considered chronic. Thus requiring language and approaches that were tailored to each individual.
 - Accompanied Dr. Thakkar for recruitment presentations at organizations such as Community Mental Health, Sparrow Hospital, NAMI, Charter House, etc.
 - Regularly in communication with the IRB and NIMH
 - Trained undergraduates who were brought on as research assistants

- Presented at numerous poster sessions
- **Interpersonal skills** –
 - A mentor at the Friendship Circle of Michigan and Walled Lake Western High School: using patience and listening skills to help children and teenagers with mental, emotional and physical disabilities learn communication skills along with other everyday abilities (eating, writing, washing up, etc.)
- **Used numerous neurological/pupillary research methods** –
 - fMRI
 - EEG
 - TMS
 - Eye tracking
 - Pupillometer®
- **Administered/scored numerous assessments** –
 - Structured Clinical Interview for DSM-5 (SCID-5)
 - Brief Psychiatric Rating Scale (BPRS)
 - Scale for Assessment of Negative Symptoms (SANS)
 - Scale for Assessment of Positive Symptoms (SAPS)
 - Young Mania Rating Scale (YMRS)
 - Hamilton Rating Scale for Depression (HRSD)
 - Scale for the assessment of passivity phenomena (SAPP)
 - Brief Adherence Rating Scale (BARS)
 - Chapman et al. Psychosis-Proneness Scales
 - Schizotypal Personality Questionnaire (SPQ)
 - The Inventory of Psychotic-Like Anomalous Self-Experiences (IPASE)
 - Social Functioning Scale (SFS)
 - Abnormal Involuntary Movement Scale (AIMS)
 - Wechsler Adult Intelligence Scale (WAIS-IV)
 - Wechsler Intelligence Scale for Children (WISC-V)
 - Wechsler Test of Adult Reading (WTAR)
 - Modified Edinburgh Questionnaire
 - Brief Norbeck Social Support Questionnaire
 - Demographic Intake
- **Over 200 clinical hours with direct patient contact**—comprised of diagnostic interviews, symptom rating interviews, questionnaires, cognitive examinations and demographic intake
- **Savvy in computer programs** – such as STATA, SPSS, MATLAB, MRICron, RedCap, Microsoft Office
- **Performed** –
 - Visual Processing in Schizophrenia and Bipolar Disorder: examines whether visual abilities are affected in individuals with schizophrenia, bipolar disorder, and first-degree relatives of individuals with schizophrenia and bipolar disorder
 - The Michigan Longitudinal Study: assessing the many factors that contribute to the origins of alcohol abuse and dependence, of mental health issues and other substance-abuse issues in people

with alcohol problems, and of behavior issues within children of alcoholics. It uses genetic, brain-imaging, behavioral, social, demographic and economic assessments

- The MSU Brain Cycle Study (BCS): investigates changes in brain activity, behavior and hormones over a woman's menstrual cycle
- Perceptual Decision Magnetic Stimulation Study: by using single-pulse transcranial magnetic stimulation (TMS), we hope to introduce transient lesions in parietal and frontal cortices at different times during the evidence accumulation process to identify dissociable roles of each cortical area
- Reward Learning and Attention Selection: understand how learning of the association between reward and a neutral object will change our perception and attention
- Emotion Regulation and Brain Activity Study: measure brain activity while participants view images and change their responses to a series of pictures
- Continuous vs. categorical representation of feature-based attentional priority in human frontoparietal cortex: we used a feature cueing paradigm to assess whether attentional priority signals vary continuously or categorically as a function of feature similarity
- Individual Differences in Performance and Brain Activity: measure brain activity while participant completes a series of tasks on the computer
- The Effects of Guided Instructions on Memory: an investigation into the association between being given guided instructions and memory. Guided instructions are not necessarily always presented in every situation—so I wanted to see whether giving detailed instructions truly had a significantly positive impact

- **Manuscripts in Preparation —**

- *The pupil light reflex as a function of schizotypal traits* (Slate, R., Ghermezi, L., Thakkar, K.): studying pupil dynamics as a function of schizotypal traits in healthy individuals

- **Professional Memberships—**

- Association for Psychological Science
- Society for Research in Psychopathology