

# KERI GLADHILL

## EDUCATION

---

<b>Doctor of Philosophy in Psychology</b> Concentration in Cognitive and Behavioral Neuroscience	George Mason University Fairfax, VA
<b>Master of Science in Psychology</b> Graduated May 2018	Saint Joseph's University Philadelphia, PA
<b>Bachelor of Arts in Psychology</b> Graduated Summa Cum Laude May 2016	Shippensburg University Shippensburg, PA
<b>Associates of Applied Science in Business Administration</b> Graduated February 2010	Kaplan University Hagerstown, MD

## TECHNICAL SKILLS

---

**APPLICATIONS:** Microsoft Office (Word, Excel, PowerPoint, Publisher), IBM SPSS Statistics, MATLAB, EEGLAB, PsychoPy, RStudio, BrainVision Recorder, Qualtrics

**TECHNIQUES:** Electroencephalogram (EEG), Transcranial magnetic stimulation (TMS), magnetic resonance imaging (MRI)

## RESEARCH EXPERIENCE

---

**NSF Research Traineeship (NRT)** 2020 to present

**Improving Messaging between Patients And their Care Team in Parkinson's Disease (IMPACT-PD)**

**Center for Adaptive Systems of Brain-Body Interactions (CASSBI)** – George Mason University

PI: Siddhartha Sikdar

- ▶ Interdisciplinary program in disability-related research
- ▶ Participating in community-engaged STEM graduate training
- ▶ Collaborating through a multidisciplinary team to better understand Parkinson's disease and care team communication
- ▶ Communicating with community stakeholders including neurologists, patients, and caregivers

**Research Assistant** 2018 to present

**Investigations of Movement Parameters on Timing and Perception**

**Spatial Temporal Action Representation (STAR) lab** – George Mason University

PI: Martin Wiener, PhD

**Sensorimotor Integration lab** – University of California, Davis

PI: Wilsaan Joiner, PhD

- ▶ Collaborating across labs to investigate effects of movement on time perception
- ▶ Conducting experiments using a robotic manipulandum (UCD) and a modified non-robotic manipulandum (GMU)
- ▶ Including neurological measures such as TMS (transcranial magnetic stimulation) and EEG (electroencephalogram)

### **fMRI Investigations of Temporal and Spatial Reproduction**

**Spatial Temporal Action Representation (STAR) lab** – George Mason University

PI: Martin Wiener, PhD

- ▶ Established standard protocols for pre-screening and scanning participants
- ▶ Performed pre-screen appointments with potential participants to verify that eligibility requirements were met and the task was understood prior to scanning
- ▶ Worked with MRI technologist to scan participants while performing our task
- ▶ Assisted with data analysis and assisting with writing a manuscript

### **Electrophysiological Indices of Emotional Faces on Time Perception**

**Spatial Temporal Action Representation (STAR) lab** – George Mason University

PI: Martin Wiener, PhD; Postdoc: Giovanna Mioni, PhD

- ▶ Reviewed literature and designed an experiment using PsychoPy
- ▶ Collected data using ActiCAP slim 64 channel EEG
- ▶ Collected and analyzed data using EEGLAB and MATLAB
- ▶ Presented research at Timing Research Forming (TRF) 2 conference
- ▶ In the process of writing a manuscript of the results

### **Master's Thesis Research**

2016 to 2018

#### **Context Effects in Visual Working Memory (VWM)**

**Sensation and Perception Lab** – Saint Joseph's University

PI: Patrick Garrigan, PhD

- ▶ Reviewed literature, designed various experiments using MATLAB, collected and analyzed data
- ▶ Successfully completed written and oral defense of thesis

### **Undergraduate Research**

2015 to 2016

#### **Emotion Regulation and Pain Medication Use**

**Sensation and Perception Lab** – Saint Joseph's University

PI: Robert Hale, PhD

- ▶ Reviewed literature, collected heart rate variability using a Finger Pulse Transducer (ADInstruments), conducted a survey using the DERS (Difficulties in Emotion Regulation Scale), and collected self-reported medication usage
- ▶ Conducted statistical analysis using SPSS, wrote thesis, and presented research at conferences

## CONFERENCES/PRESENTATIONS

---

**Keri A. Gladhill**, G. Mioni, M. Wiener. "Electrophysiological Indices of Emotional Faces on Time Perception". Timing Research Forum 2. October 17, 2019. Queretaro, Mexico. doi 10.17605/osf.io/pkajt.

**Keri A. Gladhill**, P. Garrigan. "Context Effects in Visual Working Memory". 13th Annual Philadelphia Psi Chi Research Day. February 27, 2018. Philadelphia, PA.

**Keri A. Gladhill**, R. L. Hale. "Emotion Regulation and Pain Medication Use". Association for Psychological Science (APS) Conference. May 27, 2016. Chicago, IL.

**Keri A. Gladhill**, R. L. Hale. "Emotion Regulation and Pain Medication Use". Minds@Work Conference. April 15, 2016. Shippensburg, PA.

## PUBLICATIONS/PREPRINTS

---

### Publications:

- ▶ Mioni, G., Shelp, A., Stanfield-Wiswell, C. T., Gladhill, K. A., Bader, F., & Wiener, M. (2020). Modulation of Individual Alpha Frequency with tACS shifts Time Perception. *Cerebral Cortex Communications*.  
<https://doi.org/10.1093/texcom/tgaa064>

### Preprints:

- ▶ Gladhill, K. A., Mioni, G., & Wiener, M. (2020). Dissociable Effects of Emotional Stimuli on Perception and Decision-Making for Time. bioRxiv doi: 10.1101/2020.4.24.059717

## TEACHING EXPERIENCE

---

**George Mason University**, Fairfax, VA

Fall 2018-Spring 2019

**Teaching Assistant (online)**: manage course on BlackBoard, grade assignments

- ▶ PSYC 300: Statistics Lab (Spring 2019)

**Grading Teaching Assistant**: manage course on BlackBoard, grade assignments

- ▶ PSYC 461: The Brain in Books and Film (Fall 2018)

## HONORS, AWARDS, AND MEMBERSHIPS

---

**Undergraduate Research Grant** (2015); **Undergraduate Research Award** (2016); **Certificate of Student Research Achievement** (2016); **American Psychology Association (APA)** (2016-present); **Students in Neuroscience (SiN)** (2018-present); **NSF Research Traineeship (NRT) Interdisciplinary Program in Disability-related Research funding award** (2020-present)