**Bridgette Holland**

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**Education**

Bachelor of Science in Neuroscience, GPA: 3.63 May 2020 Minor in Creative Writing

Bucknell University, Lewisburg, PA

# Experience

Program Coordinator, Brain Stimulation Lab, MUSC February 2021-Present Working under Mark George, MD

* The MOOD study – external Combined Occipital and Trigeminal Nerve Stimulation (eCOT-NS) for the treatment of Major Depressive Disorder (MDD) – Lead Coordinator

PI: Mark George, MD

* + Lead study coordinator and certified rater responsible for participant assessment, treatment, and communication
  + Coordinated successfully in multi-site trial
* Clinical Feasibility of Low Intensity Focused Ultrasound Pulsation for the Treatment of Generalized Anxiety Disorder – Lead Coordinator
  + PI: Mark George, MD
  + Coordinator and treater, using neuronavgation to target and treat patients with severe anxiety using novel ultrasound device
* Validation of Early Prognostic Data for Recovery Outcome after Stroke for Future, Higher Yield Trials
  + PI: Kirstin-Friederike Heise, PhD
  + TMS operator for in-patient stroke participants, using a MagStim TMS device with EMG to evaluate muscle activity
* MPFC Theta Burst Stimulation as a Treatment Tool for Alcohol Use Disorder: Effects on Drinking and Incentive Salience

PI: Lisa McTeague, PhD

* + Treated participants with alcohol use disorder using TMS to investigate efficacy
  + administered behavioral measures including MOCA, alcohol cue task, safety measures, etc.
* Safety and Efficacy of an Accelerated Protocol of Intermittent Theta Burst Transcranial Magnetic Stimulation (TMS) to Enhance Performance and Promote Resilience in Astronauts (TRISH BRASH)

PI: Donna Roberts, MD

* + Ran accelerated theta burst TMS protocol in healthy adults
  + Spearheaded patient recruitment, screening, and communication
  + Presented poster at 4th International Brain Stimulation Conference
* Neuromodulation of Cognitive Control Neurocircuits for Stroke Rehabilitation PI: Lisa McTeague, PhD
  + Administered accelerated theta burst protocol in chronic stroke patients
  + Presented poster at MUSC’s Student Research Day
* Brain Stimulation Lab Program Coordinator Department head: Mark George, MD
  + Primary logistical coordinator responsible for planning, communication, and implementation of the biannual TMS CME course in conjunction with administrative team
  + Cataloged and implemented new tracking documentation system for equipment
  + COBRE coordinator serving as communication and information facilitator between COBRE for Stroke Recovery and the BSL
* National Center of Neuromodulation for Rehabilitation
  + Organized and planned monthly Speaker Series with Lisa McTeague within the educational outreach goal of NM4R
  + Served as Brain Stimulation lab contact and trainer for annual Introductory Workshop, Spring Training Workshop, and Advanced TES workshop

**Undergraduate Experience**

Undergraduate Research, Psychology Department, Bucknell University Spring 2016-Fall 2019 Worked under Anna Baker, Ph.D.

* Transition & Adjustment to a University Setting for Students with Chronic Illnesses
  + Performed analysis and organization of data within Qualtrics and Microsoft Excel resulting in usable data and poster presentation
  + Created survey questions and structured test administration
* Risk and Health Behavior
  + Participated in design and organization of the study
  + Instructed and supervised students participating in survey to gather data
  + Aided in IRB writing and submission
* Systematic Review of Food Allergy and Social Impact on School-Age Children, in progress
  + Lead Development of a systematic review protocol
  + Meticulous practice and notation of methodology
  + Extensive review of current literature, with consolidation and analysis of over 2000 studies
  + Designed and presented poster of results

SURE Program, Department of Psychiatry, University of Mississippi Medical Center Summer 2019 Worked under James Shaffery, D. Phil

* Assisted in small animal surgery for EEG implantation
* Administered behavioral testing and performed data analysis resulting in a poster of results
* Participated in graduate-level seminars in sleep and addiction
* Analyzed EEG data resulting
* Designed and presented a poster of results

# Undergraduate Appointments

Division I Volleyball, Team Captain Fall 2016-2020

*Skills*

* Ability to accept and apply constructive criticism
* Experience working within and leading a team towards a common goal
* Consistent practice performing under pressure
* Working with variable personalities successfully

*Awards*

* Patriot League Rookie of the Week, twice
* Nominated to All-Tournament Team, four times

Alpha Lambda Delta Honor Society Spring 2016-2020

* Volunteer involvement at local community garden

Bucknell Athletics Leadership Institute Fall 2017-2020

* Volunteer involvement at local food bank

## Awards

* Dean’s List Fall 2016, Fall 2017-Spring 2020
* Alpha Lambda Delta Honor Society Fall 2016
* Emerging Scholars in Psychology Summer 2017
* Emerging Scholars Fellowship Summer 2018