

Curriculum Vitae

BRITTANY NACKLEY

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EDUCATION

Virginia Polytechnic Institute and State University **Blacksburg, VA**
Doctoral Student in Biological Psychology, August 2017 - present
Advisor: Dr. Bruce Friedman

University of Maryland **College Park, MD**
Master's in Clinical Psychological Science, 2014
Research: *Physiological Cycling in Exposure Therapy*

MIT Sloan School of Management **Cambridge, MA**
Master's in Business Administration, 2000

Pomona College **Claremont, CA**
Bachelor of Arts in Economics, 1992

RESEARCH EXPERIENCE

Graduate Member

8/17 – present Virginia Polytechnic Institute and State University

Mind-Body Lab, Department of Psychology

Participate in psychophysiological research, including cardiac interoception, emotional response in cardiac cycle timing, cardiovascular responsivity to caffeine, and the impact of stress on physiological response patterns. Methods used include impedance cardiography (ICG), electrocardiography (ECG), and facial electromyography (EMG). Measures used include pre-ejection period (PEP), left ventricular ejection time (LVET), and eyeblink startle reflex.

2/18 – present Virginia Polytechnic Institute and State University

Physiology, Affect, NeuroDevelopment, and Autism Lab, Department of Psychology

Graduate co-leader of a multi-disciplinary project examining physiological linkage across two interacting people as a measure of social reciprocity and interpersonal dynamics.

Project examines both typically-developing samples and those with autism spectrum disorder.

Research Assistant

8/16 – 5/17 Virginia Polytechnic Institute and State University

Mind-Body Lab, Department of Psychology

Assisted with psychophysiological research. Placed electrodes for ICG and ECG, collected data, cleaned and analyzed ICG data. Developed software system to streamline ICG data analysis.

Research Assistant

9/13– 5/14 Shepherd University

Shepherdstown, WV

Department of Psychology

Assisted with design and implementation of a randomized, controlled trial testing the efficacy of mindfulness and autonomic nervous system clinical interventions.

PROFESSIONAL EXPERIENCE

Graduate Teaching Assistant

8/17 – present Virginia Polytechnic Institute and State University

Blacksburg, VA

Department of Psychology

Instructor of Record

Lab in Physiological Psychology

Fall 2018

Spring 2019

Teaching Assistant

Physiological Psychology

Fall 2018

Spring 2019

Introductory Psychology

Fall 2017

Spring 2018

Grant Specialist / Budget Manager

9/16 - 5/17 Virginia Tech Center for Autism Research

Blacksburg, VA

Department of Psychology

Assisted with the development and submission of grant proposals for research funding. Coordinated with faculty and their collaborators to prepare budget and documentation. Managed the financial activity of the center.

PUBLISHED ABSTRACTS

Nackley, B., Lewis, M.W., Huskey, A., & Friedman, B.H. (2018). Is high-frequency heart rate variability always a marker for adaptive responding? *Psychophysiology*, 55 (Suppl. 1), S131.

Nackley, B., Lewis, M.W., Huskey, A., & Friedman, B.H. (in press). What's blood got to do with it? Cardiac response to startle and fear conditioning in blood phobia [abstract]. *Psychophysiology*, (Suppl. 1).

Yang, X., Nackley, B., & Friedman, B.H. (2018). Physical and psychosocial stress differentially affect feedback-based learning. *Psychophysiology*, 55 (Suppl. 1), S76.

COLLOQUIA AND INVITED LECTURES

Defense Cascade and The Physiology of Behavior. Department of Psychology, Virginia Tech, March 2018.

The Physiology of Stress: The Highs and Lows of Heart Rate Variability. Department of Psychology, Virginia Tech, August 2018.

Is High-Frequency Heart Rate Variability Adaptive? Department of Psychology, Virginia Tech, November 2018.

Psychophysiology and the Mind-Body Lab Presented to the Biomedical Club, Department of Biological Systems Engineering, Virginia Tech, March 2019.

GRANTS

2019: Institute for Creativity, Arts, and Technology (ICAT) Student Grant for Science, Engineering, Arts, and Design (SEAD): "Wireless Psychophysiological Recording in the Augmented Reality Environment." Role: *Principal Investigator*. Total costs: \$2,246

PROFESSIONAL DEVELOPMENT

Bayesian Statistical Modeling – Short Course, University of Maryland, June 6-8, 2018.

Conflict of Interest and Commitment Training: Collaborative Institutional Training Initiative, November 2018

Graduate Teaching Assistant Workshop, Virginia Tech, August 2017.

Virginia Tech Human Subjects Protections Tutorial, August 2016

PROFESSIONAL ASSOCIATIONS

Society for Psychophysiological Research

Virginia Tech Academy for Graduate Teaching Assistant (GTA) Excellence

RELEVANT TRAINING

Quantitative Coursework

Regression

ANOVA

Structural Equation Modeling

Imaging Certifications

Certified as "MRI Researcher", Virginia Tech Carillion Research Institute, 8/19/2016

ACADEMIC SERVICE

Graduate Representative – Biological Psychology

8/18 – present Virginia Polytechnic Institute and State University