

MADELYN K. SANDONE, B.A.

Senior Research Coordinator
Boston, MA

EDUCATION

Bachelor of Arts, Psychology

The University of Tampa, Tampa, FL
Advisor: Michael Stasio, Ph.D.

December 2022

RESEARCH EXPERIENCE

Senior Research Coordinator

June 2024 – **Present**

Tufts University – Center for Applied Brain and Cognitive Science

Manages all aspects of experimental development and execution for a variety of projects, including utilizing non-invasive neuromodulation and immersive VR systems to improve stress reactivity and human performance across cognitive, physical, and emotional domains.

- * Soldier and Small Unit Ambulatory Virtual Environments Lab (PI: Tad Brunyé, Ph.D., Kana Okano Ph.D., Gregory Hughes Ph.D.)
- * Physical Activity and Brain Lab (PI: Julie Cantelon Ph.D., Grace Giles Ph.D.)
- * Soldier Tactical Augmented Reality Lab (PI: Aaron Gardony Ph.D., Mitch Petrimoult M.S.)

Post Graduate Research Assistant

March 2023 – May 2024

University of Tampa – Orban Lab

- * Manuscript and poster preparation and submission
- * Poster presentation at the April 2023 Southeastern Psychological Association Conference

Independent Study Research Project

January 2022 – December 2022

University of Tampa – Orban Lab

Independent exploration of ADHD and boredom in college students through the study *Predictors of Boredom in College Students With and Without ADHD*.

- * Administering cognitive tasks (e.g., Span tasks, Flanker Deadline, Selective Visual Arrays, Sustained Attention-to-Cue) via E-Prime
- * Administering paper questionnaires (e.g., BAARS-IV, ASRS, WURS)
- * Collecting and analyzing participant motor activity data via actigraphy
- * Preparation, submission, and presentation of poster presentations

Psychology Student Researcher

January 2021 – December 2022

University of Tampa – Orban Lab

Undergraduate research assistant exploring executive functioning as it pertains to emotion regulation, media and smartphone usage, and boredom in college students.

- * Data collection through questionnaires, Qualtrics, E-Prime software, and actigraphy
- * Participant recruitment through the SONA system
- * Data entry and analysis in SPSS and Microsoft Excel
- * Training undergraduate research assistants in experimental protocol
- * Poster preparation, submission, and presentation; and manuscript composition and submission

PUBLICATIONS

Brunyé, T.T., Okano, K., McIntyre, J., **Sandone, M.K.**, Townsend, L.N., Lee, M.M., Smith, M., Hughes, G.I. (2025). Inferring Mental States via Linear and Non-Linear Body Movement Dynamics: A Pilot Study. *Sensors*, 25(22), 6990. doi: 10.3390/s25226990.

Okano, K., Lee, M.M., Hart-Pomerantz, H., Smith, M., **Sandone, M.K.**, Harvey, T., Brunyé, T.T. (2025). Effects of Repeated Cranial Electrotherapy Stimulation on Physiological and Behavioral Responses to Acute Stress: A Double-Blind Randomized Clinical Trial. *Frontiers in Human Neuroscience*, 19. doi: 10.3389/fnhum.2025.1641801.

Orban, S.A., Blessing, J.S., **Sandone, M.K.**, Conness, B., Santer, J. (2025). Why are individuals with ADHD more prone to boredom? Examining attention control and working memory as mediators of boredom in young adults with ADHD traits. *Journal of Attention Disorders*, 1-15. doi: 10.1177/10870547251356723.

Lee, M.M., Goring, S.A., Nadler, S.M., **Sandone, M.K.**, Ivanova, K., Walker, N.F., Schueller, B.A.J., Datta, A., Brunyé, T.T. (under review) A Systematic Review of Reporting Practices and the Transparency in Transcranial Electrical Stimulation (trans-tES) Framework. *Journal of Cognitive Enhancement*.

Lee, M.M., Goring, S.A., Nadler, S.M., **Sandone, M.K.**, Datta, A., Brunyé, T.T. (under review). Stimulating New Standards: A Framework for Reporting Noninvasive Transcranial Electrical Stimulation Research. *Brain Stimulation*.

Orban, S.A., Rosa, I., **Sandone, M.K.**, (under review). An examination of ADHD symptoms and nomophobia as predictors of objectively measured smartphone use frequency in college students. *Psychology of Popular Media*.

POSTER PRESENTATIONS

Nadler, S.M., Goring, S.A., Lee, M.M., **Sandone, M.K.**, Taylor, H.A., Ward, N., Brunyé, T.T. (2026). *Cognitive and Motor Effects of Consumer tES Devices: A Meta-Analysis*. Presented at the Annual Meeting of the Psychonomic Society, San Diego, CA.

Goring, S.A., Lee, M.M., **Sandone, M.K.**, Nadler, S.M., Brunyé, T.T. (2025). *Use and efficacy of commercially available tES devices: A systematic review and meta-analysis*. Presented at the Cognitive Neuroscience Society Conference, Boston, MA.

Orban, S.A., Conness, B., **Sandone, M.**, Santer, J. (2023). *Predictors of Boredom in College Students with ADHD Symptoms*. Presented at the Southeastern Psychological Association Annual Conference, New Orleans, LA.

Sandone, M., Conness, B., Santer, J. (2022). *Apathy in ADHD: Predictors of Boredom in College Students with Attention Deficit Hyperactivity Disorder*. Presented at the College of Social Sciences, Mathematics and Education Undergraduate Research Conference, University of Tampa, FL.

Orban, S.A., Barall, A., & **Sandone, M.** (2021). *Media-multitasking in young adults: Exploring ADHD symptoms and executive functioning*. Presented at the American Psychological Association Annual Convention, Virtual Conference.

Orban, S.A., Rosa, I., **Sandone, M.**, & Barall, A. (2021). *The relation between inattention, impulsivity, and smartphone use among college students*. Presented at the American Psychological Association Annual Convention, Virtual Conference.

Barall, A., **Sandone, M.**, Bhargava, S., & Orban, S.A. (2021). *The role of executive functions in emotion regulation*. Presented at the Office of Undergraduate Research and Inquiry Symposium, University of Tampa, FL.

CLINICAL EXPERIENCE

Guest Special Education Assistant, Lansdale, PA

January 2024 – May 2024

North Penn School District

District-wide substitute special education assistant in the North Penn School District for all grade levels (K-12).

- * Adhering to IEP and behavior plans while working one-on-one or with a small group of students
- * Utilizing ABA techniques under the supervision of the special education teacher (e.g., positive reinforcement, modeling, prompting, and chaining)
- * Providing consistent supervision to students throughout their routines (e.g., during provided classroom assignments, at recess, at lunch, and during class changes)
- * Adapting to a unique classroom environment daily while managing classroom and student safety in the absence of the regular assistant

Behavioral Health Technician, Sellersville, PA

July 2023 – October 2023

St. Luke's Penn Foundation Recovery Center

Direct care provider for a drug and alcohol inpatient setting, assisting up to 55 clients across the lifespan in learning and implementing daily living skills.

- * Providing clients with consistent, direct care while monitoring behaviors and safety
- * Facilitating psychoeducation and recovery group sessions
- * Collecting and maintaining confidential client data and implementing client treatment plans
- * Serving as a liaison between clients and the rest of their care team (e.g., clinicians, psychiatrists, case workers, and nurses)

MENTORING & TEACHING EXPERIENCE

Guest Teacher - North Penn School District

December 2023 – May 2024

Substitute teacher in the North Penn School District for all grade levels (K-12) across all district buildings.

- * Adapting to a unique classroom environment daily and adhering to provided lesson plans
- * Managing a classroom effectively in the absence of the regular teacher
- * Supervising students throughout their routines (e.g., during provided classroom assignments, at recess, and during class changes)

First-Year-Experience (FYE) Lead Mentor - The University of Tampa

August 2021 – August 2022

Advisor to peer mentors.

- * Supervising and training peer mentors
- * Hiring new mentors and professor/mentor pairing
- * Maintaining a database of mentor lesson plans and course materials
- * Collaborating with the FYE team to curate, advertise, and facilitate freshmen events

First-Year-Experience (FYE) Peer Mentor - The University of Tampa

August 2020 – August 2022

Peer mentor and student lecturer for the freshman courses First-Year Seminar I and II (BAC 101/102).

- * Presenting lectures on essential academic and life skills
- * Assisting a university professor in preparing course materials and lesson plans
- * Resolving academic and social challenges students face

MEMBERSHIPS, CERTIFICATIONS, AWARDS, & LANGUAGES

Memberships & Certifications

Psi Chi: The International Honor Society in Psychology Membership

CITI Program Course: Social, Behavioral, and Educational Researcher Certification

American Heart Association Basic Life Support Provider Certification

PADI Open Water Diver Certification

Honors & Awards

Exemplary Performance, Tufts University

July 2024 – July 2025

CSSME Undergraduate Research Conference Second Place Poster

April 2022

Benjamin A. Gilman International Scholarship

Spring 2022

The University of Tampa Dean's Scholarship

August 2019 – December 2022

Language Learning

Showa Boston Institute, Jamaica Plain, MA

January 2025 – July 2025

Japanese Language Courses: J-101, JCE01

The University of Tampa, Tampa, FL

January 2020 – May 2021

Japanese Language Courses: JPN 101, JPN 102

POST-GRADUATE & UNDERGRADUATE EMPLOYMENT

Mermaid Performer & Ocean Conservation Ambassador

Wands and Wishes Mermaids, *Various Locations Nationwide*

June 2026 – **Present**

Freelance mermaid performer, traveling to various aquariums around the country to portray mermaids in aquatic exhibits. Responsibilities include interacting with children and their families while maintaining a friendly and cheerful attitude; swimming in aquarium exhibits while being mindful of sea life; and maintaining ocean conservation messaging during and after performances.

Character Performer

Ever After Storybook Entertainment, *New Bedford, MA*

April 2025 – **Present**

A Dash of Magic Events, *Philadelphia, PA*

September 2023 – May 2024

Freelance children's entertainer, portraying face characters and mascots at birthday parties and community events. Responsibilities include interacting with children and their families while maintaining a friendly and cheerful attitude; singing, dancing, balloon twisting, face painting, and facilitating child-friendly, age-appropriate games; and collaborating with other performers to provide a positive and memorable experience for all guests.

Founder and President of UTJAC

The UT Japanese Animation Club – The University of Tampa, *Tampa, FL*

Fall 2021

Founder of UTJAC. Responsible for curating, organizing, advertising, and hosting meetings and events; managing the club's social media pages (e.g., Instagram and Discord); and fielding questions from club members via email and social media messaging.