Christopher "Tyler" Short

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Objective: To contribute to the understanding of the neural mechanisms of social information encoding and decision-making. With a commitment to scientific integrity, I will use robust methods, rigorous design, and thoughtful analysis. I aim to leverage my skills in electrophysiology, data analysis, and coding to develop useful models of social behavior.

Education

Current	**Ph.D. | Behavior & Cognition (2024)** German Primate Center - Leibniz Institute, University of Göttingen (Göttingen, Germany)
2023	**M.S. | Applied Cognition & Neuroscience** University of Texas at Dallas (Richardson, TX) Cumulative GPA: 3.3
2021	**B.S. | Neuroscience** University of Texas at Dallas (Richardson, TX) Major GPA: 3.3 Cumulative GPA: 2.9
2017	**A.S. | Applied Science** Dallas County Community College (Dallas, TX) Cumulative GPA: 3.4

Research Experience

Jan 2024–July 2024	**Research Assistant** Padilla-Coreano Lab, *University of Florida* Dr. Nancy Padilla-Coreano 1. Pilot a mouse cooperation choice task 2. Characterize mouse ephys PFC dynamics during reward competition
Nov 2021–Dec 2023	**Research Assistant / Project Lead (2 Studies)** Filbey Lab, Center for Brain Health, *UT Dallas* Dr. Francesca Filbey 1. Transcutaneous Auricular Vagus Nerve Stimulation - Executive Function 2. Primary Motivations Behind Cannabis Use - Intents and Perspectives
Aug 2019–Jan 2020	**Research Assistant** PAIN Neurobiology Research Group, *UT Dallas* Dr. Theodore Price, Dr. Greg Dussor Transcriptomics of Dorsal Root Ganglia
Oct 2018–Aug 2019	**Grant Specialist Intern** Ted's Brain Science, Inc. Dr. Theodore Price, Dr. Greg Dussor Formulation & Efficacy of Analgesic Resveratrol (Department of Defense Grant)
Jul 2018–Aug 2019	**Research Assistant** Texas Biomedical Device Center, *UT Dallas* Dr. Crystal Engineer, Dr. Michael Kilgard, Dr. David Pruitt Vagus Nerve Stimulation Assisted Stroke Recovery in Rats

Presentations

2023 Summer — **Invited Talk – taVNS & Executive Function**
D'Mello Lab, *UT Southwestern*

2018-2022 — **Outreach Presentations**
Neuroscience Student Association, available at utdnsa.org

Teaching Experience

2022 Fall — **Teaching Assistant**
School of Behavioral and Brain Sciences, *UT Dallas*
Neurophysiology, NSC 4356, Dr. Rukhsana Sultana

2022 Summer — **Volunteer Teacher**
Science Mentorship Institute (Sci-MI), sci-mi.github.io
Lecture Topic: Journal Clubs, Reading Scientific Literature
Tutor: Cognitive, Clinical, Comp., & Molecular Neuro

Leadership & Outreach Experience

2021–2023 — **Auxiliary Officer** | Neuroscience Student Association, *UT Dallas*

2022 Summer — **Mentor** | Science Mentorship Institute (Sci-MI), sci-mi.github.io

2020-2021 — **President** | Neuroscience Student Association, *UT Dallas*

2019-2020 — **Vice-President** | Neuroscience Student Association, *UT Dallas*

Relevant Skills

Languages — Python | MATLAB | HTML | CSS

Software — Phy | SLEAP | Trodes | PsychoPy | E-Prime | REDCap | NIH Toolbox | Linux

Methodology — Single-Cell Electrophysiology | EEG | Cognitive Assessment | Mouse Tissue Dissection

Relevant Coursework

M.S. Applied Cognition & Neuroscience

MATLAB for Brain Sci. | Research Methods in Psych. | Brain & Language | Comp. Modeling: Brain & Behavior | Correlates of Cogn. | Social Development | Neuroeconomics | Cognitive Psych| Func. Neuroanatomy | Systems Neuro

B.S. Neuroscience

Neuro Lab Methods | Stats for Psych | Neurobio. of Learning & Mem. | Cognitive Neuro | Neurobio. of Emotion | Psych Assess. | Integrative Neuro | Sensory Neuro | Neuroanatomy | Cellular Neuro | Molecular Neuro

A.S. Applied Science

Spreadsheet Skills | General Psychology | Problem Solv. & Dec. Making | Ethics