Christopher "Tyler" Short

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Objective: To improve 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 to develop and explain predictive models of social behavior.

Education

Current — **Ph.D. | Systems Neuroscience** (Started 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

Aug 2024–Current — **Ph.D. Researcher**
Báez-Mendoza Lab, *University of Göttingen*
Dr. Raymundo Báez-Mendoza
- Role of the Pulvinar-dmPFC Pathway in Adaptive Social Valuation in Marmosets

Jan 2024–July 2024 — **Research Assistant**
Padilla-Coreano Lab, *University of Florida*
Dr. Nancy Padilla-Coreano
- Characterize mouse prefrontal cortex 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
- Transcutaneous Auricular Vagus Nerve Stimulation - Executive Function
- Primary Motivations Behind Cannabis Use - Intents and Perspectives

Oct 2018–Aug 2019 — **Grant Writing & Submission 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

2025 March — **Poster Presentation – Neuronal Basis for Conformity & Individual Bias in a Prefrontal Circuit**
16th Meeting of the German Neuroscience Society (NWG), *Göttingen, Germany*

2023 July — **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 — PsychoPy | E-Prime | REDCap | NIH Toolbox | Linux | Phy | SLEAP | Trodes

Methodology — Electrophysiology | Marmoset Handling | EEG | Cognitive Testing | Rodent Surgery | Rodent Behavioral Assays

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