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