

# 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	<b>Ph.D.   Systems Neuroscience</b> (Started 2024) German Primate Center - Leibniz Institute, University of Göttingen (Göttingen, Germany)
2023	<b>M.S.   Applied Cognition &amp; Neuroscience</b> University of Texas at Dallas (Richardson, TX) Cumulative GPA: 3.3
2021	<b>B.S.   Neuroscience</b> University of Texas at Dallas (Richardson, TX) Major GPA: 3.3 Cumulative GPA: 2.9
2017	<b>A.S.   Applied Science</b> Dallas County Community College (Dallas, TX) Cumulative GPA: 3.4

## Research Experience

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

## Presentations

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2023 Summer	<b>Invited Talk – taVNS &amp; Executive Function</b> <u>D'Mello Lab, UT Southwestern</u>
2018-2022	<b>Outreach Presentations</b> Neuroscience Student Association, available at <a href="http://utdnsa.org">utdnsa.org</a>

## Teaching Experience

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2022 Fall	<b>Teaching Assistant</b> School of Behavioral and Brain Sciences, <i>UT Dallas</i> <u>Neurophysiology</u> , NSC 4356, Dr. Rukhsana Sultana
2022 Summer	<b>Volunteer Teacher</b> <u>Science Mentorship Institute (Sci-MI)</u> , <a href="http://sci-mi.github.io">sci-mi.github.io</a> Lecture Topic: Journal Clubs, Reading Scientific Literature Tutor: Cognitive, Clinical, Comp., & Molecular Neuro

## Leadership & Outreach Experience

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2021–2023	<b>Auxiliary Officer</b>   Neuroscience Student Association, <i>UT Dallas</i>
2022 Summer	<b>Mentor</b>   Science Mentorship Institute (Sci-MI), <a href="http://sci-mi.github.io">sci-mi.github.io</a>
2020-2021	<b>President</b>   Neuroscience Student Association, <i>UT Dallas</i>
2019-2020	<b>Vice-President</b>   Neuroscience Student Association, <i>UT Dallas</i>

## Relevant Skills

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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

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### 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