**Lasyapriya Pidaparthi**

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**EDUCATION**

**Vanderbilt University, Nashville, TN**

# Ph.D. in Psychology (Cognitive Neuroscience Area) Aug 2022 – Present

* Advisor: Dr. Frank Tong
* Course Highlights: Scientific Computing, Statistical Inference, Computational Neuroscience of Human Vision, Experimental Design

**University of Virginia, Charlottesville, VA**

# Bachelor of Arts in Neuroscience, May 2020 GPA 3.97/4.0

* Course Highlights: Computational Neuroscience, Functional Neuroanatomy, Sensory Neurobiology, Genetics and Molecular Biology; experience with Python and Java
* Distinguished Major Thesis in Neuroscience (High Distinction): Examining a floor effect on the efficacy of exercise in reducing relapse vulnerability.

**RESEARCH EXPERIENCE**

**Tong Lab, Vanderbilt University, Nashville, TN** *Aug 2022 – Present*

# Graduate Student Research Assistant

* Advisor: Dr. Frank Tong
* Research focus: Studying the neural mechanisms underlying object-based attention and its temporal dynamics

**Vision and Cognitive Neuroscience Lab, Ohio State University, Columbus, OH** *Jul 2020 – Jul 2022*

# Lab Manager

* Advisor: Dr. Julie Golomb
* Course Highlights: Introduction to fMRI, Advanced fMRI Methods, Introduction to the ERP
* Research Skills: Matlab (toolboxes: Psychtoolbox, Memtoolbox, EEGLab, CONN), fMRI (BrainVoyager, FSL), eye-tracking, EEG

**Lynch Lab, Psychiatry and Neurobiological Sciences, Charlottesville, VA** *Oct 2017 – May 2020*

# Undergraduate Research Assistant

* Advisor: Dr. Wendy Lynch

**PUBLICATIONS**

Dube, B., Pidaparthi, L., and Golomb, J.D. (2022). Visual distraction disrupts category-tuned attentional filters in ventral visual cortex. *Journal of Cognitive Neuroscience, 1-13.*

Towers, E. B., Kilgore, M., Bakhti-Suroosh, A., Pidaparthi, L., Williams, I. L., Abel, J.M., Lynch, W. J. (2023). Sex Differences in the Neuroadaptations Underlying Incubated Cocaine-Craving: A Focus on the Dorsomedial Prefrontal Cortex, *Frontiers in Behavioral Neuroscience*, *16*, 520*.*

**MANUSCRIPTS IN PREPARATION**

Pidaparthi, L. and Tong, F. (in prep). Using eye-tracking to reveal the focus of object-based attention.

Pidaparthi, L., Chen, J., Leber, A.B., and Golomb, J.D. (in prep). Feature-binding errors induced by stimulus-driven attentional capture: Exploring the effects of distractor-target temporal dynamics.

Lynch W., Bakhti-Suroosh, A., and Pidaparthi, L. (in prep). Exercise during early withdrawal protects against later relapse vulnerability in male, but not female rats. *Psychopharmacology,* in preparation.

**CONFERENCE PRESENTATIONS AND ABSTRACTS**

Pidaparthi, L. and Tong, F. (May 2023). A novel eye-tracking paradigm to investigate the focus of object-based attention. Talk presented at Annual Meeting of the Vision Sciences Society.

Dube, B., Pidaparthi, L., and Golomb, J.D (May 2023). Spatial distraction reverses category-tuned attentional filters by disrupting both facilitation and suppression. Poster presented at Annual Meeting of the Vision Sciences Society.

Dube, B., Pidaparthi, L., and Golomb, J. D. (July 2022). The Filter Disruption Theory: Distraction disrupts filters for both attention and visual working memory*.* Talk presented at the Annual Meeting of the Canadian Society for Brain, Behaviour, and Cognitive Science, Halifax, Nova Scotia, Canada.

Pidaparthi, L., Chen, J., Leber, A.B., and Golomb, J.D (May 2022). Swapping and repulsion errors reveal independent temporal dynamics of attentional capture and disengagement. Poster presented at Annual Meeting of the Vision Sciences Society.

Pidaparthi, L., Dube, B., and Golomb, J.D. (Dec 2021). Visual distraction disrupts category-tuned attentional filters in ventral visual cortex. Talk presented at the Center for Cognitive and Behavioral Brain Imaging Annual Research Day.

Pidaparthi, L., Dube, B., and Golomb, J.D. (Nov 2021). Visual distraction disrupts category-tuned attentional filters in ventral visual cortex. Poster presented at Annual Meeting for Society of Neuroscience, presented virtually due to COVID-19.

Dube, B.,Pidaparthi, L., & Golomb, J. D. (Nov 2021). Distraction disrupts attentional filtering: Neural and behavioral evidence for the Filter Disruption Theory.Talk presented at the 62nd Annual Meeting of the Psychonomic Society, presented virtually due to COVID-19.

Pidaparthi, L., Chen, J., Leber, A.B., and Golomb, J.D (May 2021). Independent time courses for feature-binding errors after attentional capture and disengagement. Poster presented at Annual Meeting of the Vision Sciences Society, presented virtually due to COVID-19.

Pidaparthi, L., Davis, C., Bakhti-Suroosh, A., Lynch, W. (Dec 2019). Effects of acute exercise on relapse vulnerability in a rat model of cocaine addiction. Poster presented at the UVA Neuroscience Undergraduate Poster Session.

**AWARDS** **AND HONORS**

* Vanderbilt University Russell G. Hamilton Scholar
* Vanderbilt University Graduate Fellowship
	+ Awarded $5,000 per year for three years as supplemental stipend
* UVA Department Distinguished Major Project (High Distinction):
	+ Awarded high distinction for my thesis project titled “Examining a floor effect on the efficacy of exercise in reducing relapse vulnerability.” This project was conducted in Dr. Lynch’s laboratory as part of a larger project examining sex differences in the efficacy of exercise as an intervention for cocaine relapse.
* UVA Harrison Grant (Spring 2019)
	+ Awarded $4,000 for year-long independent study, focused on examination of the efficacy of exercise during abstinence in reducing relapse vulnerability in male rats
* UVA Intermediate Honors (Fall 2018)
* UVA Dean’s List (Fall 2016 – Spring 2017; Spring 2018 – Fall 2019)

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