(864) 350-2677 Athens, GA CJ.Petty@UGA.edu

# Christopher Petty

## GRADUATE RESEARCH ASSISTANT

## About

Graduate research assistant in the University of Georgia Neuroscience PhD program studying the connection between nutrition and the brain in the Noble lab.

## Education

2024 - Present **University of Georgia**
**Doctor of Philosophy, Neuroscience**

2020 - 2024 **Furman University**
**Bachelor of Science, Neuroscience**

## Honors and awards

July 2023 **Janet Hysinger Cover Award**
Monetary award for the best oral presentation at the Furman University Conference for Summer Research in Psychology and Neuroscience.

May 2020 **Palmetto Fellows Recipient**
Merit-based scholarship given to the most academically talented high school seniors to encourage them to attend college in-state.

May 2020 **AP Scholar Award**
Award given for students who demonstrate outstanding college-level achievement in AP-level classes.

## Research experience

Under Dr. Onarae Rice, I planned, executed, and analyzed behavioral neuroscience on post-traumatic stress disorder in rodent models. Focus on the dopamine $D_3$ receptor as a mechanism of action for the development of PTSD. Transitioned to a laboratory under Dr. Linnea Freeman investigating the connection between the gut microbiome and hedonic feeding with an emphasis on sex differences in food consumption. Currently investigating the role of neuronal primary cilia under Dr. Emily Noble and how GPCR recruitment to primary cilia is influenced by circulating hormones related to feeding.

2024 - Present **Graduate Research Assistant** University of Georgia, Athens, GA
Advisor: Dr. Emily Noble

2024 - 2024 **Laboratory Technician** Furman University, Greenville, SC
Advisor: Dr. Linnea Freeman

- Effects of the gut microbiome on palatable food seeking in male and female Sprague-Dawley rats

2023-2024 **Thesis** Furman University, Greenville, SC
Advisors: Onarae Rice, David Hollis

2022-2023 **Furman University Behavioral Neuroscience Lab Greenville, SC**
Researcher, Onarae Rice

- Tone versus olfaction as a neutral stimulus for fear conditioning models of PTSD
- Predator scent exposure compared to single-prolonged-stress as a model of PTSD
- Effects of a selective dopamine $D_3$ antagonist on Male C57 mice after predator scent exposure
- Effects of a selective dopamine $D_3$ antagonist when given post-traumatic experience
- Agonizing the $D_3$ receptor to measure the magnitude of hypervigilance in male Sprague Dawley rats
- Western blotting

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## Presentations and invited lectures

2025 **Poster Presenter**
"Impact of leptin on the neural control of energy balance." Obesity Research Initiative.

2023 **Poster Presenter (Main floor)**
"Effects of dopamine D3 antagonist SB-277011A on the acquisition of post-traumatic stress disorder in male C57 mice." Society for Neuroscience (SfN).

2023 **Poster and Oral Presenter**
"Blocking the acquisition of PTSD in Male C57 Mice." Summer research conference for psychology and neuroscience (Awarded Janet Hysinger Cover Award for oral presentation).

2022 - 2023 **Poster and Oral Presenter**
"Effects of a selective dopamine $D_3$ antagonist when administered post-traumatic exposure." Furman Engaged.

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