

# Annie Griffith

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## EDUCATION

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### Doctor of Philosophy in Cognitive Neuroscience

*expected May 2026*

University of Kentucky, Lexington, KY

### Master of Science in Cognitive Neuroscience

*May 2023*

University of Kentucky, Lexington, KY

*Thesis: Effect of Menstrual Cycle Phase on the Rewarding Properties of Alcohol in Women*

### Bachelor of Science in Neuroscience

*May 2021*

Davidson College, Davidson, NC

*Magna Cum Laude, Honors in Neuroscience*

*Thesis: Optimizing a Behavioral Assay to Assess Optic Nerve Regeneration in *Xenopus laevis**

## RESEARCH & PROFESSIONAL EXPERIENCE

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### Graduate Research Assistant, Clinical Laboratory for Alcohol Addiction

University of Kentucky, Lexington, KY

*Aug 2021 – Present*

- Conduct a nationally funded, controlled clinical trial studying alcohol use in young women
- Manage project timeline and execution while supervising a small research team
- Analyze clinical data and collaborate with other scientists on written manuscripts for publication
- Contribute to design of controlled clinical trials and drafting of protocols
- Coordinate large scale participant recruitment and retention efforts
- Evaluate behavioral and cognitive effects of alcohol using standardized performance assessments

### Clinical Operations Intern: Feasibility and Proposals

Medpace, Inc., Cincinnati, OH

*June 2024 – August 2024*

- Developed and implemented an optimized feasibility outreach strategy, then trained other team members to effectively apply the new approach
- Reviewed and finalized proposals for submission to sponsors in pharmaceutical and biotech industries
- Created informatics graphics for inclusion in proposals and presentations to sponsors

### Research Assistant, Developmental Neurobiology

Davidson College, Davidson, NC

*Jan 2020 – May 2021*

- Designed, conducted, and analyzed novel experiments to assess the influence of complex visual stimuli on regeneration of the optic nerve in *Xenopus laevis* tadpoles following surgical optic nerve injury
- Communicated findings through a thesis and oral presentations

### Research Assistant, Behavioral Pharmacology

Davidson College, Davidson, NC

*Jan 2019 – May 2020*

- Evaluated motor effects of interaction between a partial mu-opioid receptor agonist and d-amphetamine
- Examined the effects of access to a social partner on cocaine self-administration in rats
- Administered injections and behavioral testing to rats while also coordinating their care
- Contributed to data analysis and presented relevant findings from the projects

### Research Assistant, Biochemistry

University of Kentucky, Lexington, KY

*Jan 2016 – May 2017*

- Investigated protein binding affinity between the proteins calcineurin and bcl-2-associated death promoter using fluorescence spectroscopy on purified products from *E. coli*
- Presented findings at local symposia

## PUBLICATIONS

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- Griffith, A. K.** & Fillmore, M. T. (2024). Sex Differences in Acute Alcohol Tolerance. [In preparation]
- McGarrigle, W.J., **Griffith, A. K.**, Martel, M. M. & Fillmore, M. T. (2024). Menstrual Cycle Phase Affects Alcohol Impairment of Working Memory: Evidence from a Clinical Trial. [Under review]
- Griffith, A. K.**, Martel, M. M. & Fillmore, M. T. (2024). Attentional Bias to Alcohol-Related Cues: Effects of Menstrual Cycle Phase and Sex Differences. *Psychopharmacology*.
- Griffith, A. K.**, Martel, M. M. & Fillmore, M. T. (2023). Effect of Menstrual Cycle on Rewarding Properties of Alcohol Cues in Women. *Psychology of addictive behaviors*.
- Griffith, A. K.**, Martel, M. M., Eisenlohr-Moul, T., & Fillmore, M. T. (2023). Heightened sensitivity to the disinhibiting effect of alcohol in women during the late follicular phase of the menstrual cycle. *Experimental and clinical psychopharmacology*, 31(4), 839–848.
- Smith, M. A., Cha, H. S., **Griffith, A. K.**, & Sharp, J. L. (2021). Social Contact Reinforces Cocaine Self-Administration in Young Adult Male Rats: The Role of Social Reinforcement in Vulnerability to Drug Use. *Frontiers in Behavioral Neuroscience*, 15.
- Smith, M. A., Ballard, S. L., Ballesteros, C. F., Bonge, S. A., Casimir, A. T., Childs, L. M., Feinstein, M. A., **Griffith, A. K.**, Johansen, A. N., Lee, D., Mauser, A. C., Moses, C. M., Robertson, I. J., Robles, J. U., Strickland, J. C., Walters, M. E. & Yoo, S. J. (2021). Interactions Between Opioids and Dextroamphetamine on Locomotor Activity: Influence of an Opioid's Relative Efficacy at the Mu Receptor. *Frontiers in Psychiatry*, 12.

## PRESENTATIONS AT SCIENTIFIC CONFERENCES

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- “Attentional Bias Towards Alcohol-Related Cues Differs by Sex”  
*Yale Sex & Gender & Alcohol Meeting, 2024*
- “Sex Differences in Attentional Bias Towards Alcohol-Related Cues”  
*Research Society on Alcohol, 2024*
- “Attentional Bias to Alcohol-Related Cues Differs as a Function of Sex and Menstrual Cycle Phase”  
*Substance Use Research Event, 2024*
- “The Acute Rewarding Effect of Alcohol in Women is Intensified During Ovulation”  
*Research Society on Alcohol, 2023*
- “Effects of Menstrual Cycle Phase on Rewarding Properties of Alcohol-Related Cues in Women”  
*Substance Use Research Event, 2023*
- “The Disinhibiting Effect of Alcohol in Women is Intensified by Estradiol”  
*Research Society on Alcohol, 2022*
- “Women’s Attentional Bias Toward Alcohol is Increased When Estradiol is Elevated”  
*Substance Use Research Event, 2022*

## HONORS & AWARDS

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- Research Society on Alcohol: Sex & Gender Travel Award** (June 2024)  
*Financial award funded by Yale School of Medicine, granted based on merit of students’ research to be presented at the Research Society on Alcohol: Sex & Gender Satellite Meeting*
- National Institute of Health T32 Predoctoral Research Trainee** (June 2022 – May 2024)  
*Fellowship intended to enhance graduate training in the field of alcohol research. Involves completing specialized course work on alcohol-related topics, presenting research at national conferences and university-level conferences, and attending an annual research symposium specifically for trainees.*
- John M. Littleton Award for Outstanding Graduate Student Publication in the Alcohol Field** (April 2024)  
*Recognizes an exceptional first author graduate student publication in the alcohol field in the Psychology Department at the University of Kentucky*

**National Research Service Award F31 Grant Submission** (Submitted December 2023)  
*Fellowship intended to enable promising predoctoral students to develop into productive, independent research scientists and obtain mentored training while conducting dissertation research*  
Title: Menstrual Cycle Phase Effects on Alcohol-Impaired Driving and Risk Awareness  
Scored and under review by the National Institute of Alcohol Abuse and Alcoholism (NIAAA)

**Research Society on Alcohol Enoch Gordis Award Finalist** (June 2023)  
*Recognizes outstanding research on alcohol, and provides students with the opportunity to present their work at a national conference*

**Research Society on Alcohol Student Merit Award** (June 2022, 2023 & 2024)  
*Financial award funded by the National Institute on Alcohol Abuse and Alcoholism that is granted based on merit of students' research to be presented at the annual RSA conference*

**GlaxoSmithKline Women in Science Scholar** (May 2019 – May 2021)  
*Recognizes exceptional female students interested in pursuing a career in research science*

**Davidson Research Initiative Fellow** (May 2020 – July 2020)  
*Competitive funding for 10 weeks of student-designed summer research*