

# Hannah Drew Fulenwider

• hf59103@uga.edu • (770) 539-3419 •

## EDUCATION

**University of Georgia, Athens, GA**

Expected May 2020

- *Doctor of Philosophy*, Interdisciplinary Neuroscience Program, Cumulative GPA: 3.40/4.0

**Presbyterian College, Clinton, SC**

May 2015

- *Bachelor of Arts, Spanish*, Cumulative GPA: 3.96/4.0, Summa cum laude

## PUBLICATIONS

Sequeira, MK, Nelson BS, **Fulenwider HD**, King CE, Nennig SE, Bohannon JB, Cheng K, Rice KC, Heilig H, Schank JR (2018). The neurokinin-1 receptor mediates escalated alcohol intake induced by multiple drinking models. *In press, Neuropharmacology*.

**Fulenwider HD**, Smith BM, Nichenko AS, Carpenter JM, Nennig SE, Rice KC, Schank JR (2018). Cellular and behavioral actions of lipopolysaccharide are dependent on neurokinin-1 receptor activation. *In press, Journal of Neuroinflammation*.

Nennig SE, **Fulenwider HD**, Chimberoff SH, Sequeira MK, Smith BM, Eskew JE, Karlsson C, Rehman F, Heilig M, Schank JR (2017). NFkB activity in the nucleus accumbens mediates alcohol reward. *In press, Neuropsychopharmacology*.

**Fulenwider HD**, Nennig SE, Price ME, Schank JR. Sex differences in aversion-resistant ethanol intake in mice. *Under revision, Alcohol and Alcoholism*.

Nelson BS, **Fulenwider HD**, Nennig, SE, Sequeira MK, Smith BM, Chimberoff SH, Bohannon JB, Harvey B, Rice KC, Heilig M, Schank JR. NK1R upregulation drives escalated alcohol self-administration and yohimbine-induced reinstatement of alcohol seeking. *Submitted to Addiction Biology*.

**Fulenwider HD**, Nennig SE, Price ME, Pravetoni M, Baruffaldi F, Manvich DF, Schank JR. Establishment of oral oxycodone self-administration in male and female Long Evans rats. *In prep*.

Nennig SE, **Fulenwider HD**, Price ME, Schank JR. Increased alcohol consumption following vicarious social defeat stress is mediated by IL-6 in the prefrontal cortex. *In prep*.

Nennig SE, Eskew JE, **Fulenwider HD**, Schank JR. NFkB in the central amygdala mediates the increased sensitivity to social defeat stress by chronic alcohol exposure. *In prep*.

## RESEARCH EXPERIENCE

**University of Georgia, Athens, GA**

January 2016 – Present

- *Graduate Research Assistant under Dr. Jesse Schank, College of Veterinary Medicine, Department of Physiology & Pharmacology*

Investigating sex differences in the neural circuitry mediating oral oxycodone self-administration and compulsive-like ethanol intake in mice and rats. Primary behavioral assays used include conditioned place preference, oral self-administration, stress-primed reinstatement, and two bottle choice. Cellular and molecular assays used include immunohistochemistry, in situ hybridization, and electrophoretic mobility shift assay. Additional responsibilities include training undergraduate researchers, management of chemical inventory, and maintenance of transgenic mouse lines.

**Presbyterian College, Clinton, SC**

August 2014 - May 2015

- *Undergraduate Research Assistant under Dr. Alicia Askew, Psychology Department*

Examined the effects of repeated social defeat on learned avoidance in male Syrian hamsters. Pilot testing of new behavioral scoring program.

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## PRESENTATIONS

- Fulenwider HD**, Nennig SE, Price ME, Schank JR (2018). Role of Circulating Sex Hormones in Aversion-Resistant Ethanol Intake. Research Society on Alcoholism; San Diego, CA.
- Fulenwider HD**, Nennig SE, Price ME, Schank JR (2018). Role of Circulating Sex Hormones in Compulsive Ethanol Intake. Organization for the Study of Sex Differences; Atlanta, GA.
- Fulenwider HD**, Nennig SE, Smith BM, Eskew JE, Nelson BS, Schank JR (2017). Sex Differences in Aversion-Resistant Ethanol Intake. Research Society on Alcoholism; Denver, CO.
- Fulenwider HD**, Smith BM, Nennig SE, Sequeira MK, Schank JR (2016). Effect of LPS on Ethanol-Induced Conditioned Place Preference. Research Society on Alcoholism; New Orleans, LA.

## MEETING ATTENDANCE

- Research Society on Alcoholism**; San Diego, CA June 2018
- Organization for the Study of Sex Difference**; Atlanta, GA May 2018
- Research Society on Alcoholism**; Denver, CO June 2017
- Research Society on Alcoholism**; New Orleans, LA June 2016

## COURSE ATTENDANCE

- Advanced Techniques in Molecular Neuroscience, Cold Spring Harbor Laboratories** July 2018

## GRANT SUPPORT

- Innovative and Interdisciplinary Research Grant, University of Georgia** Spring 2018

## AWARDS AND HONORS

- Cold Spring Harbor Course Scholarship (\$1000), National Institute of Mental Health** May 2018
- Student Merit Award (registration fee waiver, \$150), Research Society on Alcoholism** April 2018
- Graduate School Travel Award (\$500), University of Georgia** April 2018
- Graduate School Travel Award (\$1500), University of Georgia** March 2018

## TEACHING EXPERIENCE

- Teaching Assistant, College of Veterinary Medicine, University of Georgia** August 2017 – Present
- Responsibilities include grading, proctoring exams, assisting in labs
  - DVM Principles of Physiology I – Fall 2017
  - DVM Principles of Physiology II – Spring 2017
  - DVM Neuroanatomy Lab – Spring 2017

## CAMPUS & COMMUNITY ENGAGEMENT

- Graduate Students & Post-Docs in Science Event Volunteer, University of Georgia** August 2017 – Present
- Assist in management and organization of Career Symposium and Research Day events
- Graduate Students & Post-Docs in Science Vice President, University of Georgia** August 2016 – August 2017
- Assist in management of organization of 200+ graduate students and post-docs, plan annual Career Symposium and Research Day events, facilitate social networking between departments across campus.

## PROFESSIONAL SERVICE

- Reviewer, Translational Issues in Psychological Science, Special Issue: Animal Models**