

# Brittany Henry, BA

Curriculum Vitae

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Updated July 2024

## EDUCATION & TRAINING

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- 09/2021 - Current**      **University of California, Los Angeles (UCLA)**  
Ph.D Neuroscience  
Advisor: Lara A. Ray, Ph.D.
- 09/2016 - 06/2020**      **Northwestern University**  
B.A. Neuroscience
- 09/2020 – 06/2021**      **University of Chicago (UChicago)**  
Post-baccalaureate Research Education (PREP) Scholar  
Supervisors: Harriet de Wit, Ph.D., Elisa Pabon, Ph.D., Nancy B. Schwartz, Ph.D.

## HONORS AND AWARDS

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- 2023**      NIH/NIDA Research Supplement to Promote Diversity in Health-Related Research  
(PI: Cooper; R01 DA047296)
- 2022-2023**      NIH/NIDA, UCLA Translational Neuroscience on Drug Abuse Training Program (PI: London; T32DA024635)
- 06-08/2019**      Northwestern University Summer Undergraduate Research Grant
- 11/2018**      Northwestern Undergraduate Research Travel Grant Award
- 11/2018**      Annual Biomedical Research Conference for Minority Students Travel Grant Award, ABRCMS, Indianapolis IN
- 06-08/2018**      Northwestern University Summer Undergraduate Research Grant
- 06-09/2017**      Northwestern University Summer Internship Grant

## PEER-REVIEWED PUBLICATIONS

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- McManus, K., Venegas, A., **Henry, B.**, Cooper, Z., Grodin, E., Ray, L. (2023). The Role of Sex in Daily Levels of High-Risk Alcohol and Cannabis Co-Use. Drug and Alcohol Dependence Reports. <https://10.1016/j.dadr.2023.100203>
- Arvin M, Jin XT, Yan Y, Wang Y, Ramsey M, Kim V, Beckley N, **Henry B**, Drenan R. (2019), Chronic Nicotine Exposure Alters the Neurophysiology of Habenulo-Interpeduncular

## MANUSCRIPTS UNDER REVIEW

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1. Alayoubi, M., **Henry, B.**, Cahill, C., Cooper, Z. (Under Review). Exploring Novel Pharmacotherapy Candidates for Cannabis Use Disorder: Uncovering Promising Agents on the Horizon by Mechanism of Action. Submitted to *Drugs*.
2. Lake, S., Murray, C.H., **Henry, B.**, Strong, L., White, K., Kilmer, B., Cooper, Z. (Under Review). High-Potency Cannabis Use and Health: A Systematic Review of Observational and Experimental Studies. Submitted to *American Journal of Psychiatry*.

## RESEARCH EXPERIENCE

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**01/2024-current**      **UCLA, Department of Psychology, UCLA Addictions Laboratory**  
*Graduate Student Researcher*

*Supervisors: Lara Ray, Ph.D., Steven Nieto, Ph.D*

- Serve as a study coordinator on NIH study on the motivations to self-administer alcohol.
- Studying the effects of menstrual cycle phase and ovarian hormones on alcohol use using behavioral and physiological methods.
- Engage in weekly individual meetings with Drs. Ray and Nieto to discuss project development, data management, and statistical analysis plans.

**04/2022-12/2023**      **UCLA, Dept. of Psychiatry and Biobehavioral Sciences, Center for Cannabis and Cannabinoids**

*Graduate Student Researcher*

*Supervisor: Ziva Cooper, Ph.D*

- Involved in data collection, data management and analysis of cannabis and cannabinoid administration studies.
- Studied age-dependent effects of cannabis on subjective response, pharmacokinetics, analgesic effects and abuse liability in a within-subject, double-blind, placebo-controlled study.

**01/2022-03/2022**      **UCLA, Semel Institute for Neuroscience and Human Behavior**

*Graduate Student Researcher, First Year Rotation*

*Supervisors: Edythe London, Ph.D., Dara Ghahremani Ph.D.*

- Studied sex differences in nicotine withdrawal, craving and brain structures using neuroimaging techniques.

**09/2021-12/2021**      **UCLA, Department of Psychology, UCLA Addictions Laboratory**

*Graduate Student Researcher, First Year Rotation*

*Supervisors: Lara Ray, Ph.D., Erica Grodin, Ph.D, Steven Nieto, Ph.D*

- Studied sex differences in smoking motives using the Wisconsin Index of Smoking Dependence Motives (WISDM) questionnaire.

**06/2020-06/2021**      **UChicago, Department of Psychiatry and Behavioral Neuroscience,  
Human Behavioral Pharmacology Lab**

*Post-Baccalaureate Trainee*

*Supervisors: Harriet de Wit, Ph.D., Elisa Pabon, Ph.D., Nancy B. Schwartz, Ph.D.*

- Studied the impact of oral THC on impulsive action using the Go/No-Go task.

**06/2019-03/2020**      **Northwestern University, Department of Psychology**

*Lead Undergraduate Research Assistant*

*Supervisor: Caterina Gratton, Ph.D*

- Studied the learning effect in behavioral and fMRI tasks in active study participants.

**06/2018-09/2018**      **Northwestern University, Department of Pharmacology**

*Undergraduate Research Assistant*

*Supervisor: Ryan M. Drenan, Ph.D*

- Studied the subtypes of muscarinic receptors in the mesocorticolimbic system and habenular complex in mice for their role in nicotine reward and withdrawal using fluorescent in situ hybridization.

**06/2017-09/2017**      **Northwestern University, Department of Psychiatry and Behavioral  
Sciences**

*Undergraduate Research Assistant*

*Supervisor: Lei Wang, Ph.D*

- Studied the neurobiological development of the behavioral subvariant of frontotemporal dementia (bvFTD) and compared the development to schizophrenia for any related genetic links.

## **TEACHING EXPERIENCE**

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**09/2022-12/2022**      **Cannabis and Cannabinoids: From Pharmacology to Public Policy  
Teaching Assistant, Department of Psychiatry and Biobehavioral  
Sciences, UCLA**

*Supervisors: Ziva Cooper, PhD., Chris Evans, Ph.D*

- Monitored student attendance, fielded course related questions, graded homework assignments and proctored exams (Psychiatry 178).

## **GRANTS AND FELLOWSHIPS**

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**07/2023-12/2023**      **Research Supplement to Promote Diversity in Health-Related  
Research**

National Institute on Drug Abuse, National Institutes of Health  
“Age-Dependent Effects of Cannabis”

PI: Ziva Cooper, PhD

**07/2022-06/2023**      **Translational Neuroscience of Drug Abuse T32 Fellowship**

University of California, Los Angeles  
“Age-Dependent Effects of Cannabis”

PI: Ziva Cooper, PhD

- 06/2019-08/2019**      **Summer Undergraduate Research Grant**  
Northwestern University, Weinberg College of Arts and Sciences  
“Association Between Brain Network Variants and Individual Behavioral Differences”  
PI: Caterina Gratton, PhD
- 06/2018-09/2018**      **Summer Undergraduate Research Grant**  
Northwestern University  
“Identification of Muscarinic Receptors Present in the Ventral Tegmental Area and Interpeduncular Nucleus in Adult Mice”  
PI: Ryan M. Drenan, PhD
- 06/2017-09/2017**      **Summer Internship Grant**  
Northwestern University, Weinberg College of Arts and Sciences  
“Literary Comparison of Onset Frontotemporal Dementia and Schizophrenia”  
PI: Lei Wang, PhD

## POSTER PRESENTATIONS

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- 08/2018      **Henry, B.,** Ramsey, M., Beckley, N., & Drenan RM. (2018). Identification of Muscarinic Receptors Present in the Ventral Tegmental Area and Interpeduncular Nucleus in Adult Mice. Poster presented at the 2018 Northwestern University Undergraduate Neuroscience Symposium, Evanston, IL.
- 11/2018      **Henry, B.,** Ramsey, M., Beckley, N., & Drenan RM. (2018). Identification of Muscarinic Receptors Present in the Ventral Tegmental Area and Interpeduncular Nucleus in Adult Mice. Poster presented at the 2018 Annual Biomedical Research Conference for Minority Students, Indianapolis, IN.

## RELEVANT SKILLS

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### **Clinical Research Skills:**

*Behavioral Measures:* NIH Toolbox Cognition Measures, NIH Toolbox Emotion Measures, Timeline Follow-Back Measures, Clinical Institute Withdrawal Assessment,

*Trainings:* Collaborative Institute Training Initiative (CITI) – Biomedical Responsible Conduct Research, Human Research: Social and Behavioral Researchers and Staff, FDA Regulated Research, UCLA HIPPA, Human Research Biomedical,

*Certificates:* Keys to a Clinical Trial: Management and Operations

### **Data Management Skills**

*Proficient:* R, Microsoft Office Suite (Excel, Word, Powerpoint), SAS, SPSS