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## Brandon P. Miller, M.S., M.A.

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Department of Applied Behavioral Science  
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### EDUCATION

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- Present     **Ph.D., Behavioral Psychology** (ABAI Accredited)  
Department of Applied Behavioral Science, University of Kansas, Lawrence, KS  
Advisor(s): Michael Amlung, Ph.D.
- 2023     **M.A., Behavioral Psychology** (ABAI Accredited)  
Department of Applied Behavioral Science, University of Kansas, Lawrence, KS  
Thesis: *Examining the effect of cannabis-related drug cues on demand for cannabis in sleep, driving, and typical drug-use contexts* ([view in ProQuest](#))  
Advisor(s): Michael Amlung, Ph.D.
- 2020     **M.S., Clinical Behavioral Psychology**  
Department of Psychology, Eastern Michigan University, Ypsilanti, MI  
Advisor(s): Thomas J. Waltz, Ph.D., Ph.D. & Claudia Drossel, Ph.D., Ph.D.
- 2018     **B.A., Psychology**  
Department of Psychology, Coe College, Cedar Rapids, IA  
Study Abroad: London, United Kingdom, May 2016  
Advisor(s): Benjamin Tallman, Ph.D.

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### HONORS AND AWARDS

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- 2024     **CPA Travel Award**, American Psychological Association (APA) Division 50 – Society of Addiction Psychology
- 2023     **1st Place Poster Award**, Kansas Association for Behavior Analysis (KansABA)
- 2023     **Cannabis Research Travel Award**, Substance Use Research Event (SURE), University of Kentucky
- 2019     **Graduate Student Travel Award**, Office of Graduate Studies, Eastern Michigan University
- 2019     **Departmental Travel Award**, Department of Psychology, Eastern Michigan University
- 2018     **Richard H. Bahwell Prize in Psychology**, Department of Psychology, Coe College
- 2016 – 2018     **Dean's List**, College of Arts and Sciences, Coe College
- 2014 – 2018     **Daniel Coe Scholarship**, Coe College

2014 – 2018 **Crimson and Gold Legacy Scholarship**, Coe College

**RESEARCH FUNDING**

(Lifetime Awarded: \$6,500 USD)

**Current Funding**

05/01/24 – 04/30/24 **Hawks for Hope Graduate Student Grant** (PI: Miller)  
 Funding Agency: Cofrin Logan Center for Addiction Research and Treatment  
 Direct Costs: \$4,000 (USD)  
 Title: “Contextual Factors and Person-level Factors that Influence Cannabis Use in the Natural Environment”  
 Institution: University of Kansas  
 Role: Principal Investigator

**Completed Funding**

06/01/22 – 05/31/23 **Innovative Student Research, Master’s Thesis Grant** (PI: Miller)  
 Funding Agency: Society for the Advancement of Behavior Analysis (SABA)  
 Direct Costs: \$2,500 (USD)  
 Title: “Examining the Effect of Cannabis-Related Cues on Demand for Cannabis in Everyday Drug-Use Contexts”  
 Institution: University of Kansas  
 Role: Principal Investigator

**PUBLICATIONS**

Google Scholar		
	All	Since 2019
Citations	10	10
h-index	2	2
i10-index	0	0

**Peer-Reviewed Journal Articles**

(2024)-----

5. **Miller, B. P.**, Aston, E. R., Davis, W., Berey, B. L., Dowd, A. N., & Amlung, M. (2024). Examining the effect of cannabis cues on cannabis demand in sleep, driving, and typical drug use contexts. *Drug and Alcohol Dependence*, 254, 111057. <https://doi.org/10.1016/j.drugalcdep.2023.111057>
4. Davis, W., **Miller, B. P.**, & Amlung, M. (2024). Perceptions and attitudes related to driving after cannabis use in Canadian and U.S. adults. *Substance Use & Addiction Journal*, 45(1), 144-123. <https://doi.org/10.1177/29767342231208521>

(2023)-----

3. Weinsztok, S. C., Reed, D. D., **Miller, B. P.**, & Amlung, M. (2023). Adaptation of commodity purchase tasks to identify substitutable substance-free alternative activities for alcohol use. *Experimental & Clinical Psychopharmacology*. Advance online publication. <https://doi.org/10.1037/pha0000697>
2. **Miller, B. P.**, Reed, D. D., & Amlung, M. (2023). Reliability and validity of behavioral-economic measures: A review and synthesis of discounting and demand. *Journal of the Experimental Analysis of Behavior*, 120(2), 263-280. <https://doi.org/10.1002/jeab.860>
1. **Miller, B. P.**, Murphy, J. G., MacKillop, J., & Amlung, M. (2023). Next-day responsibilities attenuate demand for alcohol among a crowdsourced sample of community adults. *Experimental & Clinical Psychopharmacology*, 31(3), 633-642. <https://doi.org/10.1037/pha0000609>

### Book Chapters

(2024)-----

1. Weinsztok, S. C., **Miller, B. P.**, Aston, E. R., & Amlung, M. (in press). Human research methods for studying operant demand. In D. D. Reed, B. A. Kaplan, & S. P. Gilroy (Eds.), *Handbook of operant behavioral economics*. Elsevier.

### Periodicals (newsletter, magazine, etc.)

1. **Miller, B.** (2022). The role of cannabis-related drug cues on behavioral economic demand. *Inside Behavior Analysis*. <https://iba.abainternational.org/2022/10/28/the-role-of-cannabis-related-drug-cues-on-behavioral-economic-demand/>

### Manuscripts Submitted or In Progress

4. **Miller, B. P.**, & Haddock, J. N. (in progress). Toward molecular and molar theories of workplace burnout: Implications and recommendations from the basic and applied literature.
3. **Miller, B. P.**, Aston, E. R., & Amlung, M. (in progress). Pass the keys: Using behavioral economics to examine factors influencing driving after cannabis use.
2. **Miller, B. P.**, Weinsztok, S. C., Csolle, K., Lester, A., Chen, C., Aston, E. R., & Amlung, M. (under review). Exploring the suitability of cannabis use with next-day responsibilities. A behavioral economic and qualitative study. *Journal of the Experimental Analysis of Behavior*.
1. **Miller, B. P.**, & Briggs, A. M. (in progress). Assessment-informed behavioral interventions for increasing self-control in impulsive children: A brief review.

## CONFERENCE ACTIVITY

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† = chaired/co-chaired symposium

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### Oral Presentations

- (2024)-----
5. **Miller, B. P.**, Aston, E. R., & Amlung, M. (2024, May 23-27). The effect of cannabis cues on cannabis demand in a sleep context: Results from a study of adults who use cannabis. In E. Varon (Chair), *The behavioral economics of sleep: Novel ways of understanding sleep via commodity purchase tasks* [Symposium]. Symposium to be presented at the 50<sup>th</sup> Annual Convention of the Association for Behavior Analysis International, Philadelphia, PA, United States.
  4. †**Miller, B. P.** (2024, May 23-27). *Recent advancements in behavioral economic applications* [Symposium]. Symposium to be presented at the 50<sup>th</sup> Annual Convention of the Association for Behavior Analysis International, Philadelphia, PA, United States.
  3. †**Miller, B. P.**, Weinsztok, S. C., & Amlung, M. (2024, April 11-13). The marijuana purchase task and the effect of next-day responsibilities on cannabis demand. In **B. P. Miller** (Chair), *Recent laboratory and survey research on cannabis demand: Novel methods and clinical implications* [Symposium]. Symposium to be presented at the 2024 Annual Collaborative Perspectives on Addiction Conference, Denver, CO, United States.
- (2023)-----
2. **Miller, B. P.**, Murphy, J. G., MacKillop, J., & Amlung, M. (2023, May 25-29). Individually tailoring hypothetical purchase tasks in the context of next-day responsibilities. In S. R. Lawyer (Chair), *Hypothetical purchase tasks and public health concerns: Sleep, substance-use, and the impact of alternative reinforcers* [Symposium]. 49<sup>th</sup> Annual Convention of the Association for Behavior Analysis International, Denver, CO, United States.
- (2019)-----
1. **Miller, B.**, Snyder, R., Humiston, T., & Waltz, T. J. (2019, May 23-27). Contingency management for opioid use. In T. J. Waltz (Chair), *Introduction to clinical behavioral analysis for common mental health presentations: Part 2* [Symposium]. 45<sup>th</sup> Annual Convention of the Association for Behavior Analysis International, Chicago, IL, United States.

### Poster Presentations

- (2024)-----
14. **Miller, B. P.**, Chen, C., Lester, A., Csölle, K., Weinsztok, S., Amlung, M. (2024, April 11-13). *Compatibility of next day activities with cannabis use: A behavioral economic and qualitative study* [Poster presentation]. Poster to be presented at the 2024 Annual Collaborative Perspectives on Addiction Conference, Denver, CO, United States.

- (2023)-----
13. **Miller, B. P.**, Aston, E. R., & Amlung, M. (2023, May 25-29). *A preliminary within-subject analysis of cannabis demand in driving, sleep, and typical drug-use contexts* [Poster presentation]. 49<sup>th</sup> Annual Convention of the Association for Behavior Analysis International, Denver, CO, United States.
  12. **Miller, B. P.**, Reed, D. D., & Amlung, M. (2023, May 25-27). *Reliability and validity of behavioral economic measures in addiction research: A comprehensive review and future directions* [Poster presentation]. 45<sup>th</sup> Annual Society for the Quantitative Analysis of Behavior Conference, Denver, CO, United States.
  11. **Miller, B. P.**, Aston, E. R., & Amlung, M. (2023, April 24). *How driving, sleep, and typical drug-use situations impact demand for cannabis: A preliminary analysis* [Poster presentation]. 5<sup>th</sup> Annual Substance Use Research Event, Lexington, KY, United States.
  10. **Miller, B. P.**, Aston, E. R., & Amlung, M. (2023, April 22). *Exploring the impact of everyday situations on cannabis demand: Preliminary results from a within-subject analysis* [Poster presentation]. 2023 Annual Kansas Association for Behavior Analysis Conference, Overland Park, KS, United States.
  9. Davis, W., **Miller, B. P.**, Haney, A., McCarthy, D., & Amlung, M. (2023, March 23-25). *Perceptions and attitudes related to driving after cannabis use in US and Canadian adults* [Poster presentation]. 2023 Annual Collaborative Perspectives on Addiction Conference, Albuquerque, NM, United States.
  8. **Miller, B. P.**, Aston, E. R., & Amlung, M. (2023, March 23-25). *The effect of driving, sleep, and typical contexts on demand for cannabis: A preliminary analysis* [Poster presentation]. 2023 Annual Collaborative Perspectives on Addiction Conference, Albuquerque, NM, United States.
- (2022)-----
7. **Miller, B. P.**, Murphy, J. G., MacKillop, J., & Amlung, M. (2022, October 20-22). *Next-day responsibilities affect demand for alcohol in a community adult sample* [Poster presentation]. 2022 Annual Mid-American Association for Behavior Analysis Conference, St. Louis, MO, United States.
  6. **Miller, B. P.**, Murphy, J. G., MacKillop, J., & Amlung, M. (2022, May 26-30). *Next-day responsibilities alter the reinforcing value of alcohol among community adults* [Poster presentation]. 48<sup>th</sup> Annual Convention of the Association for Behavior Analysis International, Boston, MA, United States.
  5. **Miller, B. P.**, Murphy, J. G., MacKillop, J., & Amlung, M. (2022, April 9). *The effect of next-day responsibilities on demand for alcohol in a crowdsourced sample of adults* [Poster presentation]. 2022 Annual Kansas Association for Behavior Analysis Conference, Overland Park, KS, United States.

**(2021)**-----

4. Zohr, S. J., Rinna, K., **Miller, B. P.**, Dwyer, M. J., Drossel, C., & Waltz, T. J. (2021, May 27-31). *Comparing undergraduate demand for imaginary and stimulant drugs* [Poster presentation]. 47<sup>th</sup> Annual Convention of the Association for Behavior Analysis International, San Francisco, CA, United States.
3. **Miller, B. P.**, Zohr, S. J., Rinna, K., Dwyer, M. J., Drossel, C., & Waltz, T. J. (2021, May 27-31). *Demand for specific stimulant effects across college students that are drug naïve, and substance experienced* [Poster presentation]. 47<sup>th</sup> Annual Convention of the Association for Behavior Analysis International, San Francisco, CA, United States.

**(2018)**-----

2. **Miller, B.**, Craig, K., Coxhead, E., Gooding-Lord, E., Golwitzer, A., Young, T., & Tallman, B. (2018, April 16). *Nurses' perceptions and attitudes towards the management of patients' pain* [Poster presentation]. 29<sup>th</sup> Annual Coe College Psychology Research Symposium, Cedar Rapids, IA, United States.

**(2017)**-----

1. Bulawa, S., Curry, T., Kornacker, K., Lacina, A., **Miller, B.**, Sweeney, W., & Baker, M. (2017, November 1). *Extraneous stimulus effects on sensitization of methamphetamine-induced motor activity in female chicks* [Poster presentation]. 27<sup>th</sup> Annual Tri-State Undergraduate Psychology Research Conference, Cedar Rapids, IA, United States.

## CAMPUS OR DEPARTMENTAL TALKS

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1. **Miller, B. P.** (2022, September 2). *It's all about the situation: Understanding the larger context surrounding substance use*. Cofrin Logan Center for Addiction Research and Treatment Fall 2022 Brown Bag Series, Lawrence, KS, United States.

## TEACHING EXPERIENCE

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### University of Kansas – Course Evaluations

Course Title and Format	U/G	Term	Class (N)	Evaluation
Drugs, Addiction, and Behavior [F2F]	U	Spring 2024	40	N/A

*Note.* F2F = face-to-face; U = undergraduate; G = graduate. Mean evaluations refer to the effectiveness of the instructor.

### Eastern Michigan University – Course Evaluations

Course Title and Format	U/G	Term	Class (N)	Evaluation
General Psychology Laboratory [F2F]	U	Fall 2019b	22	4.3/5.0
General Psychology Laboratory [F2F]	U	Fall 2019a	19	3.8/5.0
General Psychology Laboratory [F2F]	U	Summer 2019	22	4.5/5.0
General Psychology Laboratory [F2F]	U	Winter 2019	21	4.5/5.0
General Psychology Laboratory [F2F]	U	Fall 2018b	22	4.6/5.0
General Psychology Laboratory [F2F]	U	Fall 2018a	22	4.1/5.0

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*Note.* F2F = face-to-face; U = undergraduate; G = graduate. Mean evaluations refer to the effectiveness of the instructor. Letters next to terms indicate multiple sections of the course were taught during the same semester.

### Teaching Assistantships

- 2023 – **Instructor of Record/Graduate Teaching Assistant**, Drugs, Addiction, and Behavior, University of Kansas, Lawrence, KS.
- 2018 – 2019 **Instructor of Record/Graduate Teaching Assistant**, General Psychology Laboratory, Eastern Michigan University, Ypsilanti, MI.

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### RESEARCH EXPERIENCE

- 2021 – **Graduate Research Assistant**, Behavioral Economics and Addiction Neuroscience (BEAN) Lab, University of Kansas, Lawrence, KS.  
Project(s): National Institute on Alcohol Use and Alcoholism (NIAAA) funded projects (R01AA027255) using neuroeconomics to examine contextual influences on alcohol use.  
Supervisor(s): Michael Amlung, Ph.D.
- 2018 – 2021 **Research Assistant**, Aging and Behavioral Health in Context Lab, Eastern Michigan University, Ypsilanti, MI.  
Project(s): Examining the influence of experimenter-induced aversive stimuli on physiological stress markers; Comparing demand for stimulants and imaginary drugs in college students across several midwestern universities.  
Supervisor(s): Thomas Waltz, Ph.D., Ph.D. & Claudia Drossel, Ph.D., Ph.D.
- 2019 – 2020 **Research Assistant**, Acceptance and Commitment Therapy and Illness (ACTWELL) Lab, Eastern Michigan University, Ypsilanti, MI.  
Project(s): Examining the effect of brief mindfulness interventions on the allocation of behavior among concurrently available healthy and unhealthy foods.  
Supervisor(s): Tamara Loverich, Ph.D.
- 2017 – 2018 **Research Assistant**, Unity Point Health – St. Luke’s Hospital, Cedar Rapids, IA.  
Project(s): Pilot testing a novel functional pain assessment tool to improve upon and replace the commonly used Faces of Pain Scale in local hospitals.  
Supervisor(s): Benjamin Tallman, Ph.D.
- 2017 **Research Assistant**, Behavioral Pharmacology Lab, Coe College, Cedar Rapids, IA.  
Project(s): Examining the influence of extraneous stimuli on methamphetamine-induced motor activity in female chickens as a preclinical model of prenatal methamphetamine exposure in humans.  
Supervisor(s): Michael Baker, Ph.D.



## PROFESSIONAL SERVICE

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### Services to Regional, National, and International Organizations

- 2023      **Ad Hoc Reviewer**, Conference Poster Submissions, 2024 Collaborative Perspectives on Addiction (CPA) Conference
- 2023      **Discussant**, May 28<sup>th</sup>, 2023 Experimental Analysis of Behavior Poster Session, 49<sup>th</sup> Annual Convention of the Association for Behavior Analysis International (ABAI)
- 2023 –     **Student Representative**, Society for the Quantitative Analysis of Behavior (SQAB)
- 2023      **Subcommittee Member**, Logo Development Subcommittee, American Psychological Association (APA) Division 28 – Society for Psychopharmacology and Substance Use
- 2023      **Student Volunteer**, Registration, 2023 Annual Collaborative Perspectives on Addiction (CPA) Conference
- 2022 –     **Committee Member**, Social Media Committee, American Psychological Association (APA) Division 28 – Society for Psychopharmacology and Substance Use
- 2022 –     **Student Committee Member**, Finance and Budget Committee, American Psychological Association (APA) Division 50 – Society of Addiction Psychology
- 2019      **Ad Hoc Reviewer**, Forrest J. Files Student Paper Competition, 2019 Annual Mid-American Association for Behavior Analysis (MABA) Conference
- 2017      **Student Conference Chair**, 27<sup>th</sup> Annual Tri-State Undergraduate Psychology Research Conference

### Services to Institutional and Departmental Units and Committees at KU

- 2023 –     **Committee Member**, Diversity, Equity, and Inclusion (DEI) Committee, Department of Applied Behavioral Science
- 2023 –     **Treasurer**, Graduate Student Organization (GSO), Department of Applied Behavioral Science

## EDITORIAL SERVICE

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### Ad Hoc Reviewer

*American Journal on Addictions*



*Journal of the Experimental Analysis of Behavior*  
*Perspectives on Behavior Science* (formerly *The Behavior Analyst*)

## **LICENSES, CERTIFICATIONS, AND PROFESSIONAL TRAINING**

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2020 – 2022 **Master’s Limited Psychologist – Temporary Educational Limited License**  
 (License Number: 6362009083), Michigan Board of Psychology

## **RESEARCH TOOLS, SOFTWARE, AND APPS**

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1. **Miller, B. P.**, & Waltz, T. J. (in development). *Demand Genie XL* (Version 0.7.1.8) [Microsoft Excel]. Compatible with Windows and Mac, planned Android release. Expected launch date: Q3 2024. <https://www.researchcares.com/projects/demand-genie>

## **CLINICAL EXPERIENCE**

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- 2020 – 2021 **Master’s Limited Psychologist**, Neuropsychology Partners PLLC, Ann Arbor, MI.  
 Setting: Private practice clinic providing outpatient neuropsychological assessment and therapy services to children and adults with various neurological and behavioral health problems.  
 Supervisor(s): Alfred Mansour, Ph.D., CBIS
- 2019 – 2020 **External Graduate Clinical Practicum Student**, Psychological Associates in Rehabilitation (PAR Rehab Services), Lansing, MI.  
 Setting: Private practice clinic providing outpatient neuropsychological assessment and therapy services to children and adults with various neurological and behavioral health problems.  
 Supervisor(s): Brooke VanBuren-Hay, Ph.D., JD & Tarsha Gibson, LPC
- 2017 **Clinical Psychology Intern**, Children’s Specialty Services, UnityPoint Health - St. Luke’s Hospital, Cedar Rapids, IA.  
 Setting: Outpatient hospital clinic providing group therapy services to children and teenagers with various mental health diagnoses.  
 Supervisor(s): Craig Meskimen, LISW
- 2016 – 2017 **Counseling Psychology Intern**, Common Road to Recovery, Cedar Rapids, IA.  
 Setting: Outpatient private practice therapy center providing court-mandated substance use services to teenagers and adults.  
 Supervisor(s): Daniel Tallman, CADC
- 2016 – 2017 **Youth Counselor**, Four Oaks Family and Children Services, Cedar Rapids, IA.  
 Setting: Inpatient and outpatient residential facility providing individual and group therapy services to children and teenagers with severe mental health diagnoses.

2016      **Behavior Analysis Intern**, Teaching Interventions to Empower and Strengthen Families (TIES), UnityPoint Health – St. Luke’s Hospital, Cedar Rapids, IA.  
Setting: Outpatient hospital center providing applied behavior analysis services to families with typically developing children displaying various problem behaviors.  
Supervisor(s): Caitlin Hauskins, LISW

## **PROFESSIONAL MEMBERSHIPS**

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2021 –      American Psychological Association (APA)  
2022 –      American Psychological Association (APA) Division 25 – Behavior Analysis  
2022 –      American Psychological Association (APA) Division 28 – Society for  
Psychopharmacology and Substance Use  
2022 –      American Psychological Association (APA) Division 50 – Society of Addiction  
Psychology  
2019 –      Association for Behavior Analysis International (ABAI)  
2022 –      Kansas Association for Behavior Analysis (KansABA)  
2022 –      Mid-American Association for Behavior Analysis (MABA)  
2023 –      Research Society on Marijuana (RSMj)  
2021 –      Society for the Quantitative Analyses of Behavior (SQAB)