

Curtis A. Bradley, Ph.D.

Assistant Professor of Psychology
Curriculum Vitae

EDUCATION

2018

Degree: Doctorate
Location: East Tennessee State University, Johnson City, Tennessee
Focus: Experimental Psychology – Associative & Neural Mechanisms of Substance Use

2013

Degree: Master of Arts
Location: James Madison University, Harrisonburg, Virginia
Major: Psychological Sciences (Behavior Analysis Concentration)

2009

Degree: Bachelor of Science
Location: Bridgewater College, Bridgewater, Virginia
Major: Psychology
Minor: Neuroscience

TEACHING EXPERIENCE

Location: James Madison University, Psychology Department
Courses: PSYC 203 – Research (current)
PSYC 385 – Biopsychology (current)

Location: Bridgewater College, Psychology Department
Courses: PSY 101 – General Psychology
PSY 210 – Introduction to Neuroscience (Biopsychology)
PSY 319 – Functional Neuroanatomy
PSY 360 – Psychopharmacology
PSY 390 – Sensation & Perception
PSY 425 – Neuroscience Methods
PSY 475E – Neuroethics
PSY 491 – Independent Research

RESEARCH EXPERIENCE

PROFESSIONAL AFFILIATIONS

Virginia Association for Psychological Sciences
Society for Neuroscience

AWARDS AND HONORS

2020 MARTIN Grant Recipient (with student Kynah Walston)

PUBLICATIONS

Palmatier, M. I., Smith, A. L., Odineal, E. M., Williams, E.A., Sheppard, A. B., & **Bradley, C. A.** (2020). *Nicotine self-administration with tobacco flavor additives in male rats*. *Nicotine and Tobacco Research*, 22(2), 224-231

Bradley, C. A., Palmatier, M. I. (2019). *Intravenous and oral caffeine self-administration in rats*. *Drug and Alcohol Dependence*, 203, 72-82.

INVITED PRESENTATIONS

Alum Adventures & Faculty Life at a Liberal Arts College. (January 2020).
Psychological Sciences Roundtable. James Madison University.

Introduction to Operant Learning. (May 2013). Behavioral Pharmacology
Research Unit Student Internship Program. Johns Hopkins University.

ORAL PRESENTATIONS

Bradley, C. A. (2021, April). *Investigating the reinforcement enhancing effects of caffeine on saccharin and ethanol self-administration in male C57BL/6J mice*. Oral presentation presented at ASPIRE 2021, Bridgewater, VA.

Palmatier, M. I. & **Bradley, C. A.** (2018, June). *Caffeine is self-administered for its pharmacological effect without being a primary reinforcer*. Oral presentation presented at the meeting of the International Study Group Investigating Drugs as Reinforcers, San Diego, CA.

Bradley, C. A., Sanders, E. M., Williams, E. A., Palmatier, M. I. (2016, June). *Caffeine self-administration in rats*. Oral presentation presented at the meeting of the College on Problems of Drug Dependence, Palm Springs, CA.

Bradley, C. A. & Palmatier, M. I. (2016, April). *Caffeine self-administration in the rat*. Oral presentation presented at the meeting of the Appalachian Student Research Forum, Johnson City, TN.

POSTER PRESENTATIONS (LAST TEN YEARS)

Brown, K., Cusack, A., Gibson, L., Grant, W., & **Bradley, C.** (2023, April). *Exercise and Isolation Effects on Depression in Anxiety and Mice*. Kacey Brown, Ann Cusack, Lauren Gibson, Walker Grant, & Curtis Bradley (advisor). Poster session for VAPS 2023, Alexandria, VA.

Martin, A., Knighton, G., Grant, W., Gibson, L., Cusack, A., Brown, K., & **Bradley, C.** (2023, April). *Effects of Caffeine on Sign- and Goal-Tracking in Mice*. Poster session for VAPS 2023, Alexandria, VA.

- Matthews, J., Woodson, H., Sharpes, K., Vaughan, R., Pierce, T., Nethercutt, D., Teixeira, M., & **Bradley, C.A.** (2022, April). *Caffeine, saccharin, and ethanol motivation in a self-administration paradigm*. Poster session for VAPS 2022, Staunton, VA.
- Walston, K., Listman, K., Will, A., Perez, K., Voegtly, E., Teixeira, M., Vaughan, R., & **Bradley, C. A.** (2021, April). *Saccharin potentiates oral ethanol self-administration in male C57BL/6J mice*. Poster session for ASPIRE 2021, Bridgewater, VA.
- Walston, K., Teixeira, M., Vaughan, R., Will, A., Voegtly, E., Perez, K., Listman, K., & **Bradley, C. A.** (2021, April). *Examining the effects of caffeine and saccharin on acute ethanol intake in male C57BL/6J mice*. Poster session for ASPIRE 2021, Bridgewater, VA.
- (CANCELLED – COVID) Salisbury, L., Walston, K., Shifflett, A., Wampler, S., McIntyre, S., Williams, K., Teixeira, M., & Bradley, C. A. (2020, April). *Caffeine and Ethanol Self-Administration in Male Mice*. Poster session for Appalachian Student Research Forum, Johnson City, TN.
- Good, S. D., Lilly, K. N., **Bradley, C. A.**, & Kelley, B. M. (2019, April). *Effects of Ortho Tri-Cyclen on weight and ethanol CPP in female mice*. Poster session presented at ASPIRE, Bridgewater, VA.
- Bradley, C. A.**, Patterson, A. K., Smith, A. L., Malone, S. G., Bailey, C. S., & Palmatier, M. I. (2017, November). *Mechanisms of the reinforcement enhancing effects of caffeine in rats*. Poster session presented at the Society for Neuroscience, Washington, D.C.
- Bailey, C. S., Patterson, A. K., **Bradley, C. A.**, Malone, S. G., & Palmatier, M. I. (2017, November). *Investigating the temporal relationship between chronic mild stress and alcohol intake in rats*. Poster session presented at the Society for Neuroscience, Washington, D.C.
- Smith, A. L., **Bradley, C. A.**, Patterson, A. K., Sanders, E. M., Golson, J. M., Bailey, C. S., Malone, S. G., & Palmatier, M. I. (2017, November). *Flavor conditioned reinforcers promote dependence-like behavior in rats self-administering nicotine*. Poster session presented at the Society for Neuroscience, Washington, D.C.
- Deehan, G. A., Patterson, A. K., Smith, A. L., **Bradley, C. A.**, Malone, S. G., Brown, R. W., & Palmatier, M. I. (2017, November). *The effect of flavor conditioned reinforcers and nicotine on extracellular dopamine levels in the nucleus accumbens following nicotine self-administration*. Poster session presented at the Society for Neuroscience, Washington, D.C.
- Malone, S.G., Golson, J. M., **Bradley, C. A.**, Brown, R. W., Bailey, C. S., & Palmatier, M. I. (2017, November). *Positive modulation of adenosine A2A receptors reduces nicotine self-administration in rats*. Poster session presented at the Society for Neuroscience, Washington, D.C.
- Bradley, C. A.**, E. M., Sanders, A. K., Patterson, Malone, S. G., Smith, A. L., & Palmatier, M. I. (2017, June). *Mechanisms of caffeine self-administration in rats*. Poster session presented at the College on Problems of Drug Dependence, Montreal, Quebec.

- Golson, J. M., Patterson, A. K., Sanders, E. M., Malone, S. G., **Bradley, C. A.**, & Palmatier, M. I. (2017, June). *Effect of adolescent caffeine self-administration on adult nicotine self-administration in rats*. Poster session presented at the College on Problems of Drug Dependence, Montreal, Quebec.
- Patterson, A. K., Smith, A. L., **Bradley, C. A.**, Sanders, E. M., Golson J. M., & Palmatier, M. I. (2017, June). *Flavor conditioned reinforcers promote nicotine self-administration in rats*. Poster session presented at the College on Problems of Drug Dependence, Montreal, Quebec.
- Bradley, C. A.**, Williams, E. A., & Palmatier, M. I. (2016, November). *Oral self-administration of caffeine in rats*. Poster session presented at the Society for Neuroscience, San Diego, CA.
- De Preter, C. C., Hernandez, L. J., Kirby, S. L., Campbell, R. B., Beaumont, E., **Bradley, C. A.**, Palmatier, M. I., & Brown, R. W. (2016, November). *Adolescent methylphenidate exposure alters nicotine self-administration and the accumbal firing response to nicotine*. Poster session presented at the Society for Neuroscience, San Diego, CA.
- Smith, A. L., Williams, E. A., **Bradley, C. A.**, Malone, S. G., Patterson, A. K., Sanders, E. M., & Palmatier, M. I. (2016, November). *Tobacco flavor additives established as conditioned reinforcers promote nicotine self-administration in rats*. Poster session presented at the Society for Neuroscience, San Diego, CA.
- Kirby, S. L., Burgess, K. C., Beuttel, L. A., Peterson, D. J., **Bradley, C. A.**, Zhu, M., Palmatier, M. I., & Brown, R. W. (2016, November). *Nucleus accumbens BDNF overexpression alters the behavioral response to nicotine*. Poster session presented at the Society for Neuroscience, San Diego, CA.
- Williams, E. A., **Bradley, C. A.**, Palmatier, M. A. (2016, June). *Silencing giant cholinergic interneurons in the nucleus accumbens with DREADDs reduces nicotine self-administration in rats*. Poster session presented at the meeting of the College on Problems of Drug Dependence, Palm Springs, CA.
- Kirby, S. L., Burgess, K. C., Beuttel, L. A., Dean, S., **Bradley, C. A.**, Palmatier, M. I., Meng-Yang, Z., & Brown, R. W. (2016, April). *Nucleus accumbens BDNF overexpression alters the behavioral response to nicotine*. Poster session presented at the meeting of the Appalachian Student Research Forum, Johnson City, TN.
- Williams, E. A., **Bradley, C. A.**, Palmatier, M. A. (2016, April). *Nicotine self-administration in rats is reduced by silencing giant cholinergic interneurons in the nucleus accumbens with designer receptors exclusively activated by designer drugs*. Poster session presented at the meeting of the Appalachian Student Research Forum, Johnson City, TN.
- Bradley, C. A.**, Brown, A. M., Williams, E. A., Swymer, C. N., & Palmatier, M. I. (2015, October). *Self-administration of caffeine in rats*. Poster session presented at the meeting of the Society for Neuroscience, Chicago, IL.

- Brown, A.M., Williams, E.A., **Bradley, C.A.**, Swymer, C.N., Palmatier, M.I. (2015, October). *Predatory behavior predicts high motivation to self-administer nicotine in rats*. Poster session presented at the meeting of the Society for Neuroscience, Chicago, IL.
- Brown, A.M., Williams, E.A., **Bradley, C.A.**, Swymer, C.N., Palmatier, M.I. (2015, October). *Predatory behavior predicts high motivation to self-administer nicotine in rats*. Poster session presented at the Society for Neuroscience, Chicago, IL.
- Bradley, C. A.**, Brown, A. M., Williams, E. A., Swymer, C. N., & Palmatier, M. I. (2015, April). *Intravenous self-administration of caffeine in rats*. Poster session presented at the meeting of the Appalachian Student Research Forum, Johnson City, TN.
- Williams, E.A., Kellicut-Jones, M.R., Brown, A.M., Swymer, C.N., **Bradley, C.A.**, Palmatier, M.I.(2015, April). *The effects of caffeine self-administration on oral alcohol consumption*. Poster session presented at the Appalachian Student Research Forum, Johnson City, TN.
- Kellicut-Jones, M.R., Williams, E.A., Brown, A.M., Swymer, C.N., **Bradley, C.A.**, Palmatier, M.I.(2015, April). *Oral self-administration of caffeine increases locomotor activity in rats*. Poster session presented at the Appalachian Student Research Forum, Johnson City, TN.
- Williams, E.A., Kellicut-Jones M.R., Brown A.M., Swymer C.N., **Bradley C.A.**, Palmatier M.I. (2015, March). *Caffeine increases responding for oral alcohol in rats*. Symposium for Young Neuroscientists and Professors of the SouthEast (SYNAPSE), Asheville, NC.
- Kellicut-Jones M.R., Williams E.A., Brown A.M., Swymer C.N., **Bradley C.A.**, Palmatier M.I., (2015, March). *Oral self-administration of caffeine increases locomotor activity in rats*. Poster session presented at the Symposium for Young Neuroscientists and Professors of the SouthEast (SYNAPSE), Asheville, NC.