

**CURRICULUM VITAE**

**ELIZABETH R. ASTON**

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## **CURRICULUM VITAE**

**ELIZABETH R. ASTON**

### **PERSONAL INFORMATION**

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### **EDUCATION**

2007 Bachelor of Arts: Behavioral Neuroscience, Minor: Art History; Purdue University  
2012 Doctor of Philosophy: Neuroscience; Wake Forest School of Medicine  
2012-2013 Postdoctoral Position: NIAAA, Department of Physiology and Pharmacology, Wake  
Forest School of Medicine  
2013-2015 Postdoctoral Research Fellow: NIAAA T32AA07459, Center for Alcohol and  
Addiction Studies, Department of Behavioral and Social Sciences, Brown University  
School of Public Health

### **ACADEMIC APPOINTMENTS**

2015- Assistant Professor, Department of Behavioral and Social Sciences, Brown  
University School of Public Health

### **HONORS AND AWARDS**

2011 NIAAA T32 Director's Meeting and Trainee Workshop Travel Award, Brown  
University, Center for Alcohol and Addiction Studies  
2011 American Psychological Association Dissertation Research Award, Science  
Directorate of the American Psychological Association  
2012 Wake Forest University Graduate School Annual Graduate Student and  
Postdoctoral Research Day Poster Award, Social Sciences Runner-Up  
2013 David K. Sundberg Award for Outstanding Students, Wake Forest School of  
Medicine, Department of Physiology and Pharmacology  
2014 Senior Fellow, Brown University School of Public Health, Center for Alcohol and  
Addiction Studies  
2015 Sharon Chauncey Fellowship Award, Brown University School of Public Health,  
Center for Alcohol and Addiction Studies  
2018-2019 Alcohol Medical Scholars Program Scholarship, Director: Marc Schuckit, MD

### **MEMBERSHIP IN SOCIETIES**

2009-2012 Western North Carolina Society for Neuroscience  
2010- Research Society on Alcoholism  
2010- American Psychological Association  
Division 50: Society of Addiction Psychology  
2013- College on Problems of Drug Dependence  
2021- Research Society on Marijuana

2022- Association for Behavior Analysis International

**DEPARTMENT, CENTER, AFFILIATED HOSPITAL, OR UNIVERSITY SERVICE**

2011-2013 Brain Awareness Council, Wake Forest School of Medicine, *Committee Coordinator*

2014- Center for Alcohol and Addiction Studies Rounds Committee, Brown University School of Public Health, *Committee Member*

2014-2015 Alcohol Research Center on HIV Training Workshop Committee, Brown University School of Public Health, *Committee Member*

2015- NIAAA T32 Postdoctoral Training Program for Alcohol Early Intervention and Treatment Research, Center for Alcohol and Addiction Studies, Brown University School of Public Health, *Training Faculty*

2016-2019 Center for Alcohol and Addiction Studies Postdoctoral Writing Group, Brown University School of Public Health, *Committee Coordinator*

2018- Data and Safety Monitoring Board, Computer-Assisted Brief Intervention Protocol for Marijuana Using Juvenile Offenders (R34DA042247; MPI: Spirito, Hernandez)

2019- T32 Training and Admissions Committee, Center for Alcohol and Addiction Studies, Brown University School of Public Health, *Committee Member*

2020, 2022 Salomon Award Grant Review, Office of the Vice President for Research, Brown University, *Grant Reviewer*

**NATIONAL OR INTERNATIONAL SERVICE**

**Grant Application Review Boards**

2019 Rehabilitation Research and Development Service (RRD4), Scientific Merit Review Board, *ad hoc Grant Reviewer*

2019 Centers for Disease Control and Prevention Special Emphasis Panel, Scientific Merit Review Board, *ad hoc Grant Reviewer*

2022 National Center for Complementary and Integrative Health Natural Product Early Phase Clinical Trial Award Special Emphasis Panel, Scientific Merit Review Board, *ad hoc Grant Reviewer*

**Editorial Responsibilities**

2020- Editorial Board Member, *Psychology of Addictive Behaviors*  
2020 *Top Reviewer*

2021- Editorial Board Member, *Experimental and Clinical Psychopharmacology*

**Journal Manuscript Reviewer**

*Addiction, Addictive Behaviors, Alcohol and Alcoholism, The American Journal of Drug and Alcohol Abuse, The American Journal on Addictions, Behavioural Processes, Canadian Journal of Addiction, Canadian Journal of Public Health, Cannabis, Current Addiction Reports, Drug and Alcohol Dependence, Drug and Alcohol Review, Health Psychology, Journal of Addiction Research and Therapy, Journal of Cannabis Research, Journal of Consulting and Clinical Psychology, Journal of the Experimental Analysis of Behavior, Journal of Research in Personality, Journal of Safety Research, The Journal of Sex Research, Journal of Studies on Alcohol and Drugs, Nicotine & Tobacco Research, PLOS ONE, Preventive Medicine, Substance*

*Abuse, Substance Abuse: Research and Treatment, Substance Use and Misuse, Translational Issues in Psychological Science*

### **Other Reviewer and Service Roles**

2016-2021 Collaborative Perspectives on Addiction, *Program Committee Member*  
2018-2019 Research Society on Alcoholism, *Program Committee Member*  
2018-2019 American Psychological Association Division 50 Student Research Grant Program, *Grant Reviewer*  
2018-2019 Collaborative Perspectives on Addiction, *Travel Award Selection Coordinator*  
2019 Society for Research on Nicotine and Tobacco, *Abstract Reviewer*  
2019-2021 Collaborative Perspectives on Addiction, *Program Co-Chair*

### **PUBLICATIONS IN PEER-REVIEWED JOURNALS**

\*mentee

†authors contributed equally to this work for joint first-authorship

1. Shannon, E. E., **Staniforth, E. R.**, McNamara, J., Bernosky-Smith, K. A., & Liguori, A. (2011). Response inhibition impairments predict alcohol-induced sedation. *Alcohol and Alcoholism*, 46(1), 33-38.
2. Bernosky-Smith, K. A., **Aston, E. R.**, & Liguori, A. (2012). Rapid drinking is associated with increases in driving-related risk-taking. *Human Psychopharmacology: Clinical and Experimental*, 27(6), 622-625.
3. **Aston, E. R.** & Liguori, A. (2013). Self-estimation of blood alcohol concentration: A review. *Addictive Behaviors*, 38(4), 1944-1951.
4. **Aston, E. R.**, Neiberg, R. H., & Liguori, A. (2013). Breath alcohol estimation training: Behavioral effects and predictors of success. *Alcohol and Alcoholism*, 48(4), 396-401.
5. **Aston, E. R.**, Shannon, E. E., & Liguori, A. (2014). Anxiety, sedation, and simulated driving in binge drinkers. *Psychology of Addictive Behaviors*, 28(2), 359-366.
6. Swift, R. M. & **Aston, E. R.** (2015). Pharmacotherapy for alcohol use disorder: Current and emerging therapies. *Harvard Review of Psychiatry*, 23(2), 122-133. Metrik, J.,
7. **Aston, E. R.**, Metrik, J., & MacKillop, J. (2015). Further validation of a marijuana purchase task. *Drug and Alcohol Dependence*, 152, 32-38.
8. **Aston, E. R.**, Kahler, C. W., Rohsenow, D. J., McGeary, J. E., & Knopik, V. (2015). Marijuana's acute effects on cognitive bias for affective and marijuana cues. *Experimental and Clinical Psychopharmacology*, 23(5), 339-350.
9. **Aston, E. R.**, Merrill, J. E., McCarthy, D., & Metrik, J. (2016). Risk factors for driving after and during marijuana use. *Journal of Studies on Alcohol and Drugs*, 77(2), 309-316.
10. Metrik, J., **Aston, E. R.**, Kahler, C. W., Rohsenow, D. J., McGeary, J., Knopik, V., & MacKillop, J. (2016). Cue-elicited increases in incentive salience for marijuana: craving, demand, and attentional bias. *Drug and Alcohol Dependence*, 167, 82-88.

11. **Aston, E. R.**, Metrik, J., Amlung, M., Kahler, C. W., & MacKillop, J. (2016). Interrelationships between marijuana demand and discounting of delayed rewards: Methodological convergence in behavioral economic analysis. *Drug and Alcohol Dependence*, *169*, 141-147.
12. Farris, S. G., **Aston, E. R.**, Zvolensky, M. J., Abrantes, A. M. & Metrik, J. (2017). Psychopathology and tobacco demand. *Drug and Alcohol Dependence*, *177*, 59–66.
13. Metrik, J., Farris, S. G., **Aston, E. R.**, & Kahler, C. W. (2017). Development and initial validation of a marijuana cessation expectancy questionnaire. *Drug and Alcohol Dependence*, *177*, 163-170.
14. **Aston, E. R.**, Farris, S. G., MacKillop, J., & Metrik, J. (2017). Latent factor structure of a behavioral economic marijuana demand curve. *Psychopharmacology*, *234*(16), 2421-2429.
15. Yurasek, A. M., **Aston, E. R.**, & Metrik, J. (2017). Co-use of alcohol and cannabis: A review. *Current Addiction Reports*, *4*(2), 184-193.
16. Farris, S. G., **Aston, E. R.**, Abrantes, A. M., & Zvolensky, M. J. (2017). Tobacco demand, delay discounting, and smoking topography among smokers with and without psychopathology. *Drug and Alcohol Dependence*, *179*, 247-253.
17. Metrik, J., Bassett, S., **Aston, E. R.**, Jackson, K., & Borsari, B. (2018). Medicinal versus recreational cannabis use among returning veterans. *Translational Issues in Psychological Science*, *4*(1), 6-20.
18. Morris, V., Patel, H., Vedelago, L., Reed, D. D., Metrik, J., **Aston, E. R.**, MacKillop, J., & Amlung, M. (2018). Elevated behavioral economic demand for alcohol in co-users of alcohol and cannabis. *Journal of Studies on Alcohol and Drugs*, *79*(6), 929-934.
19. Claborn, K. R., **Aston, E. R.**, Champion, J. & Guthrie, K. (2018). Prescribing opioids as an incentive to retain patients in medical care: A qualitative investigation into clinician awareness and perceptions. *The Journal of the Association of Nurses in AIDS Care*, *29*(5), 642-654.
20. Lawn, W., Freeman, T. P., East, K., Gaule, A., **Aston, E. R.**, Bloomfield, M. A. P., Das, R. K., Morgan, C. J. A., H., & Curran, H. V. (2018). The acute effects of a dopamine D3 receptor preferring agonist on motivation for cigarettes in dependent and occasional cigarette smokers. *Nicotine & Tobacco Research*, *20*(7), 800-809.
21. Amlung, M., Reed, D. D., Morris, V., **Aston, E. R.**, Metrik, J., & MacKillop, J. (2019). Price elasticity of illegal versus legal cannabis: a behavioral economic substitutability analysis. *Addiction*, *114*(1), 112-118.
22. Farris, S. G., **Aston, E. R.**, Leyro, T. M., Brown, L. A., & Zvolensky, M. J. (2019). Distress intolerance and smoking topography in the context of a biological challenge. *Nicotine & Tobacco Research*, *21*(5), 568-575.
23. **Aston, E. R.**, Farris, S. G., Metrik, J., & Rosen, R. K. (2019). Vaporization of marijuana among recreational users: A qualitative study. *Journal of Studies on Alcohol and Drugs*, *80*(1), 56-62.

24. **Aston, E.R.**, & Cassidy, R.N. (2019). Behavioral economic demand assessments in the addictions. *Current Opinion in Psychology*, 30, 42-47.
25. **Aston, E. R.**, Scott, B., & Farris, S. G. (2019). A qualitative analysis of cannabis vaporization among medical users. *Experimental and Clinical Psychopharmacology*, 27(4), 301-308.
26. \*Mercurio, A., **Aston, E. R.**, Claborn, K. R., Waye, K., & Rosen, R. K. (2019). Marijuana as a substitute for prescription medications: A qualitative study. *Substance Use and Misuse*, 54(11), 1894-1902.
27. Cassidy, R.N., **Aston, E.R.**, Tidey, J.W., & Colby, S.M. (2020). Behavioral economic demand and delay discounting are differentially associated with cigarette dependence and use in adolescents. *Addictive Behaviors*, 103.
28. **Aston, E. R.**, & Meshesha, L. (2020). Assessing cannabis demand: A comprehensive review of the marijuana purchase task. *Neurotherapeutics*, 17(1), 87-99.
29. †Merrill, J.E. & †**Aston, E. R.** (2020). Alcohol demand assessed daily: Validity, variability, and the influence of drinking-related consequences. *Drug and Alcohol Dependence*, 208(1).
30. Gunn, R. L., **Aston, E. R.**, Sokolovsky, A. W., White, H. R., & Jackson, K. M. (2020). Complex cannabis use patterns: Associations with cannabis consequences and cannabis use disorder symptomatology. *Addictive Behaviors*, 105.
31. \*Rubenstein, D., **Aston, E. R.**, Nollen, N. L., Mayo, M. S., Brown, A. R., & Ahluwalia, J. S. (2020). Factors associated with cannabis use among African American nondaily smokers. *Journal of Addiction Medicine*, 14(5), 170-174.
32. Meshesha, L., **Aston, E. R.**, Blevins, C., Battle, C., Stein, M., & Abrantes, A. (2020). Evaluating alcohol demand, craving, and depressive symptoms among women in alcohol treatment. *Addictive Behaviors*, 109.
33. **Aston, E. R.**, Metrik, J., Rosen, R. K., Swift, R. M. & MacKillop, J. (2021). Refining the Marijuana Purchase Task: Using qualitative methods to inform measure development. *Experimental and Clinical Psychopharmacology*, 29(1), 23-35.
34. Haass-Koffler, C. L., \*Souza, R. D., Wilmott, J. P., **Aston, E. R.**, & Song, J-H. (2021). A combined alcohol and smoking cue-reactivity paradigm in people who drink heavily and smoke cigarettes: preliminary findings. *Alcohol and Alcoholism*, 56(1), 47-56.
35. Stevens, A., **Aston, E. R.**, Gunn, R. L., Sokolovsky, A., Treloar Padovano, H., White, H., & Jackson, K. (2021). Does the combination matter? Examining the influence of alcohol and cannabis product combinations on simultaneous use and consequences in daily life. *Alcoholism: Clinical and Experimental Research*, 45(1), 181-193.
36. **Aston, E. R.**, \*Smith, J. E., DiBello, A. M., & Farris, S. G. (2021). Effects of acute distress and tobacco cues on tobacco demand. *Drug and Alcohol Dependence*, 221.

37. Minhas, M., Balodis, I., **Aston, E. R.**, Murphy, J., & MacKillop, J. (2021). Using an optimized Marijuana Purchase Task to examine cannabis demand in relation to cannabis misuse in heavy episodic drinking emerging adults. *Journal of Studies on Alcohol and Drugs*, 82(3), 351-361.
38. Kearns, N. T., Blumenthal, H., Contractor, A. A., **Aston, E. R.**, & Metrik J. (2021). Effect of trauma-related stress after alcohol consumption on perceived likelihood of negative consequences and willingness to drive. *Addictive Behaviors*, 117.
39. \*Benz, M. B., **Aston, E. R.**, \*Mercurio, A., & Metrik, J. (2021). Potential impact of legalization of recreational marijuana among current users: Qualitative inquiry. *Journal of Psychoactive Drugs*, 15, 1-8.
40. \*Rubenstein, D., Sokolovsky, A. W., **Aston, E. R.**, Nollen, N. L., Schmid, C. H., Rice, M., Pulvers, K., & Ahluwalia, J. S. (2021). Predictors of smoking reduction among African American and Latinx smokers in a randomized controlled trial of JUUL e-cigarettes. *Addictive Behaviors*, 122.
41. **Aston, E. R.**, \*Berey B. L., Boyle, H.K., Riordan, B., & Merrill, J.E. (2021). Associations between alcohol demand and both the experience and subjective evaluation of positive and negative alcohol-related consequences. *Alcoholism: Clinical and Experimental Research*, 45(11), 2357-2369.
42. Monnig, M. A., Padovano, H. T., Sokolovsky, A., DeCost, G., **Aston, E. R.**, Haass-Koffler, C., Szapary, C., Moyo, P., Avila, J. C., Tidey, J., Monti, P. M., & Ahluwalia, J. (2021). Associations of substance use with behavioral adherence to Centers for Disease Control and Prevention guidelines for COVID-19 mitigation: A survey study. *JMIR Public Health and Surveillance*, 7(11).
43. Gunn, R. L., **Aston, E. R.**, & Metrik, J. (2022). Patterns of cannabis and alcohol co-use: Substitution versus complementary effects. *Alcohol Research: Current Reviews*, 42(1).
44. **Aston, E. R.** & \*Berey B. L. (2022). Cannabis use disorder: A behavioral economic perspective. *Current Addiction Reports*, 9, 1–13
45. \*Berey, B.L., **Aston, E.R.**, Gebru, N.M., & Merrill, J.E. (2022). Differences in cannabis use characteristics, routines, and reasons for use among individuals with and without a medical cannabis card. *Experimental and Clinical Psychopharmacology*.
46. Schultz, N. R., **Aston, E. R.**, Metrik, J., & Ramirez, J. J. (2022). Can I see some ID? Examining validity of the marijuana purchase task among late adolescent cannabis users. *Experimental and Clinical Psychopharmacology*.
47. †Borissova, A., †Soni, S., **Aston, E. R.**, Lees, R. H., Petrilli, K., Wall, M. B., Bloomfield, M. A. P, Mertzani, E., Paksina, A., Freeman, T. P., Mokrysz, C., Lawn, W., & Curran, H. V. (*in press*). Do cannabis-using adults and adolescents differ on measures of cannabis demand and delay discounting? *Drug and Alcohol Dependence*.
48. Yurasek, A. M., \*Berey B., Pritshmann, R., Murphy, C., & **Aston, E. R.** (*in press*). Initial development and validation of a brief assessment of marijuana demand (BAMD) among young adult college students. *Experimental and Clinical Psychopharmacology*.

49. \*Berey, B. L., **Aston, E. R.**, Kearns, N. T., McGeary, J. E., Borsari, B. & Metrik, J. (*in press*). Prospective associations between sleep disturbances and cannabis use among veterans: A behavioral economic approach. *Addictive Behaviors*.
50. †**Aston, E. R.** & †Merrill, J.E. (*in press*). Alcohol demand assessed daily as a predictor of same day drinking. *Psychology of Addictive Behaviors*.
51. \*Smith, J. E., Brinkman, H. R., **Aston, E. R.**, Zvolensky, M. J., Leyro, T. M., & Farris, S. G. (*in press*). Difficulties in emotion regulation and *ad libitum* smoking topography: A secondary analysis. *Addictive Behaviors*.

## OTHER NON-PEER REVIEWED PUBLICATIONS

1. **Aston, E. R.** Featured Article at Scientific American™ Blogs “The Scicurious Brain”, February 27, 2013. “Alcohol and Caffeine: No Need to go Loko”.

## MANUSCRIPTS IN SUBMISSION

1. \*Suriaga, A., Tappen, R. M., **Aston, E. R.**, Chiang-Hanisko, L., & Newman, D. (*in revision*). Cannabinoids and synthetic cannabinoids as a cause of death: Characteristics, manner of deaths, trends, and their healthcare implications.
2. González-Roz, A., Martínez-Loredo, V., **Aston, E. R.**, Metrik, J., Murphy, J., Balodis, I., Secades-Villa, R., Belisario, K., & MacKillop, J. (*in revision*). Concurrent validity of the Marijuana Purchase Task: A meta-analysis of trait-level cannabis demand and cannabis involvement.
3. **Aston, E. R.**, Meshesha, L. Z., Stevens, A. K., Borsari, B., & Metrik, J. (*in revision*). Cannabis demand and use among veterans: A prospective examination.
4. Monnig, M. A., Clark, S. E., Avila, J. C., Sokolovsky, A., Padovano, H. T., Chavanne, K. G., **Aston, E. R.**, Haass-Koffler, C. L., Tidey, J., Ahluwalia, J. & Monti, P. M. (*in revision*). COVID-19-related stressors and clinical mental health symptoms in a northeast US sample.
5. Magri, T., Dvorak, R., **Aston, E. R.**, & Meshesha, L. (*under review*). The role of alcohol expectancies in the association between behavioral economic alcohol demand, relative reinforcement, and alcohol problems.
6. Gebru, N. M., **Aston, E. R.**, \*Berey, B. L., Snell, M., Leeman, R. F., & Metrik, J. (*under review*). “That’s pot culture right there”: Purchasing behaviors of people who use cannabis recreationally.
7. Micalizzi, L., **Aston, E. R.**, Nesi, J., Price, D., & Gunn, R. L. (*under review*). “Whenever I feel guilty I just go back to this group”: A qualitative analysis of a public perinatal cannabis use discussion forum.

## INVITED PRESENTATIONS

### Local



1. **Aston, E. R.** (March, 2017). Qualitative research with frequent marijuana users. *Talk given as part of the Center for Alcohol and Addiction Studies Rounds Series, Brown University, Providence, Rhode Island.*
2. **Aston, E. R.** (April, 2017). Using qualitative methods in public health research: Examples with recreational and medical marijuana users. *Talk given as part of the Quantitative Methods Core (QMC), Department of Quantitative Health Sciences (QHS), University of Massachusetts Medical School (UMMS), sponsored by UMass Clinical and Translational Science Award (CTSA), Worcester, Massachusetts.*
3. **Aston, E. R.** (May 2020). Medical marijuana: Health benefits and considerations. *Talk given as part of the monthly Providence Veterans Association Medical Center Colloquium Series, Providence, Rhode Island.*
4. **Aston, E. R.** (August 2020). Medical marijuana: Health benefits and considerations. *Talk given as part of the education series for the Home Based Primary Care team: Providence Veterans Health Administration Providence, Rhode Island.*
5. **Aston, E. R.** (November 2020). Is toke cheap? Correspondence between marijuana demand and purchase of marijuana in the laboratory. *Talk given as part of the Center for Alcohol and Addiction Studies Rounds Series, Brown University, Providence, Rhode Island.*
6. **Aston, E. R. & Metrik, J.** (June 2022). The science of cannabis and cannabinoids: Weeding out fact from fiction. *Talk given as part of the continuing education series for the Rhode Island Psychological Association, Warwick, Rhode Island.*
7. **Aston, E. R.** (September 2022). Cannabis: The state of the science. *Talk given as part of Landmark Medical Center's Grand Rounds Lecture Series, Woonsocket, Rhode Island.*

### **National**

1. **Aston, E. R.** (September, 2011). Breath alcohol estimation training with a randomized dosing binge paradigm. *Talk given at the NIAAA Training Directors Conference, Brown University, Providence, Rhode Island.*
2. **Aston, E. R.** (April 2021). Using behavioral economics to assess demand for cannabis: Qualitative and quantitative approaches. *Talk given as part of the Addiction Research Speaker Seminar Series, Behavioral Pharmacology Research Unit, Johns Hopkins University School of Medicine, Baltimore, Maryland.*
3. **Aston, E. R.** (April 2021). Behavioral economics: Tools to understand the progression and escalation of substance use and misuse. *Talk given as part of the Prevention Research Center Postdoctoral Research Seminar Series, Pacific Institute for Research and Evaluation, Berkeley, California.*
4. **Aston, E. R.** (August 2021). Novel refinements and applications of marijuana purchase tasks. *Talk given as part of The University of Kansas Symposium on the Behavioral Economics of Addiction, Cofrin Logan Center for Addiction Research and Treatment, The University of Kansas, Lawrence, Kansas.*

5. **Aston, E. R.** (May 2022). Assessment of cannabis' relative value: Laboratory evaluation of reward processing among those who use cannabis. *Invited talk given at the Association for Behavior Analysis International 48<sup>th</sup> Annual Convention, Boston, Massachusetts.*

### **International**

1. **Aston, E.R.** (June 2019). Substance use among individuals with intellectual disabilities (*Discussant*). *Talk given at the 45<sup>th</sup> annual Alcohol Epidemiology Symposium of the Kettil Bruun Society, Utrecht, Netherlands.*

### **OTHER PRESENTATIONS**

\*mentee

### **Local**

1. **Staniforth, E. R.**, Roth, A. J., Shannon, E. E., & Liguori., A. (December, 2009). Anxiety, impulsivity, and simulated driving: Effects of an alcohol binge. *Poster presented at the Western North Carolina Society for Neuroscience Research Day, Winston-Salem, NC.*
2. **Staniforth, E. R.**, Roth, A. J., Shannon, E. E., & Liguori., A. (March, 2010). Anxiety, impulsivity, and post-binge simulated driving in moderate drinkers. *Poster presented at the Wake Forest University Tenth Annual Graduate Student and Postdoctoral Research Day, Winston-Salem, NC.*
3. **Staniforth, E. R.**, Roth, A. J., Shannon, E. E., & Liguori., A. (December, 2010). Anxiety, impulsivity, and post-binge simulated driving in moderate drinkers. *Poster presented at the Western North Carolina Society for Neuroscience Research Day, Winston-Salem, NC.*
4. **Staniforth, E. R.** & Liguori, A. (November, 2011). Breath alcohol estimation training with a randomized dosing binge paradigm. *Poster presented at the Western North Carolina Society for Neuroscience Research Day, Winston-Salem, NC.*
5. **Aston, E. R.** & Liguori, A. (March, 2012). Breath alcohol estimation training with a randomized dosing binge paradigm. *Poster presented at the Wake Forest University Twelfth Annual Graduate Student and Postdoctoral Research Day, Winston-Salem, NC.*
6. **Aston, E. R.**, Cassidy, R. N., MacKillop, J., & Metrik, J. (March, 2014). Initial validation of a marijuana purchase task. *Poster presented at the Mind Brain Research Day, Brown University, Providence, RI.*
7. **Aston, E. R.**, Metrik, J., Kahler, C. W., & MacKillop, J. (March, 2015). Impulsivity and marijuana demand among frequent marijuana users. *Poster presented at the Mind Brain Research Day, Brown University, Providence, RI.*
8. **Aston, E. R.** (June 2022). A qualitative analysis of perceptions of cannabis as an adjunct treatment for rheumatic autoimmune conditions: The effect of Hispanic ethnicity on healthcare experiences. *Talk given at the Emerging Areas of Science IDeA Symposium, Providence, Rhode Island.*

### **National**

1. Dobrin, C. V., **Staniforth, E. R.**, Bass, C. E., & Roberts, D. C. S. (November, 2008). Manipulation of circadian genes in models of cocaine reinforcement. *Poster presented at The Society for Neuroscience, 38<sup>th</sup> Annual Meeting, Washington, DC.*
2. **Staniforth, E. R.**, Roth, A. J., Shannon, E. E., & Liguori, A. (June, 2010). Anxiety, impulsivity, and post-binge simulated driving in moderate drinkers. *Poster presented at the Research Society on Alcoholism, 33<sup>rd</sup> Annual Meeting, San Antonio, TX.*
3. **Staniforth, E. R.** & Liguori, A. (June, 2011). Breath alcohol estimation training with a randomized dosing binge paradigm. *Poster presented at the Research Society on Alcoholism, 34<sup>th</sup> Annual Meeting, Atlanta, GA.*
4. Pattison, L. P., Riegle, M. A., **Staniforth, E. R.**, Skelly, M. J., Dolson, E. P., Martucci, K. T., Willard, S. L., Wiggins, W. F., Perret, D. S., & Godwin, D. W. (November, 2011). Brain Awareness Season in NC's Triad Area. *Poster presented at The Society for Neuroscience, 41<sup>st</sup> Annual Meeting, Brain Awareness Campaign Event, Washington, DC.*
5. **Aston, E. R.** & Liguori, A. (August, 2012). Self-reported alcohol use and drink driving after breath alcohol estimation training. *Poster presented at the American Psychological Association, 120<sup>th</sup> Annual Convention, Orlando, FL.*
6. Pattison, L. P., **Aston, E. R.**, Riegle, M. A., Rose, J. H., Spence, T. E., Skelly, M. J., Johnston III, W., Haynes, K., Bach, S., & Godwin, D. W. (October, 2012). Wake Forest University's Brain Awareness Council: Illuminating minds, one brain at a time. *Poster presented at The Society for Neuroscience, 42<sup>nd</sup> Annual Meeting, Brain Awareness Campaign Event, New Orleans, LA.*
7. **Aston, E. R.**, Metrik, J., & MacKillop, J. (March, 2015). Behavioral economic research on the etiology and prevention of young adult drug use. *Talk given at the Collaborative Perspectives on Addiction, 3<sup>rd</sup> Annual Meeting, Baltimore, Maryland.*
8. Metrik, J., **Aston, E. R.**, Kahler, C. W., Rohsenow, D., McGeary, J., Knopik, V., & MacKillop, J. (June, 2015). Multidimensional assessment of cue-elicited marijuana demand. *Poster presented at the College on Problems of Drug Dependence, 77<sup>th</sup> Annual Convention, Phoenix, Arizona.*
9. **Aston, E. R.**, Metrik, J., Kahler, C. W., & MacKillop, J. (June, 2015). Impulsivity and marijuana demand among frequent marijuana users. *Poster presented at the College on Problems of Drug Dependence, 77<sup>th</sup> Annual Convention, Phoenix, Arizona.*
10. **Aston, E. R.** & Metrik, J. (March 2016). Marijuana demand and problems as predictors of marijuana change efforts. *Poster presented at the Collaborative Perspectives on Addiction, 4<sup>th</sup> Annual Meeting, San Diego, California.*
11. **Aston, E. R.**, Knopik, V., McGeary, J., MacKillop, J., & Metrik, J. (June 2016). Cannabinoid receptor gene (CNR1) polymorphism (rs2023239) associated with demand for marijuana. *Talk given at the College on Problems of Drug Dependence, 78<sup>th</sup> Annual Convention, Palm Springs, California.*
12. **Aston, E. R.**, Metrik, J., Rosen, R., Midoun, M. M., Swift, R. M., & MacKillop, J. (March

- 2017). Marijuana purchase task: Using qualitative methods to inform measure development. *Poster presented at the Collaborative Perspectives on Addiction, 5<sup>th</sup> Annual Meeting, Albuquerque, New Mexico.*
13. Merrill, J.E., **Aston, E. R.**, & Boyle, H.K. (November 2017). Associations between alcohol demand and both the experience and subjective evaluation of positive and negative alcohol-related consequences. *Poster presented at the Association for Behavioral and Cognitive Therapies, 51<sup>st</sup> Annual Convention, San Diego, CA.*
  14. **Aston, E. R.** (March 2018). Using qualitative methods in measure development: Assessing behavioral economic demand for marijuana. In E. R. Aston (Chair), Using behavioral economics to understand reward processing in substance use. *Talk given at the Collaborative Perspectives on Addiction, 6<sup>th</sup> Annual Meeting, Tampa, Florida.*
  15. **Aston, E. R.**, Farris, S. G., Metrik, J., & Rosen, R. K. (June 2018). Vaporization of marijuana among recreational users: A qualitative study. *Poster presented at the College on Problems of Drug Dependence, 80<sup>th</sup> Annual Convention, San Diego, California.*
  16. Claborn, K. R., **Aston, E. R.**, Champion, J., & Guthrie, K. (November 2018). Prescription-based Incentives to Improve Retention in HIV Care: Clinician Perspectives. *Poster presented at the Association of Nurses in AIDS Care, Denver, Colorado.*
  17. Gunn, R., **Aston, E. R.**, Jackson, K., & White, H. (April 2019). Complex marijuana use patterns: Relations with simultaneous alcohol and marijuana use and associated consequences. *Accepted to Collaborative Perspectives on Addiction, 7<sup>th</sup> Annual Meeting, Providence, Rhode Island.*
  18. **Aston, E. R.** & Cassidy, R. N. (April 2019). Cross-price elasticity of marijuana and tobacco demand piloted in dual-using young adults. *Poster presented at the Collaborative Perspectives on Addiction, 7<sup>th</sup> Annual Meeting, Providence, Rhode Island.*
  19. Celio, M., **Aston, E. R.**, MacKillop, J., & Murphy, J. (June 2019). Examining readiness to change as a mechanism of action in a brief motivational intervention: The importance of alcohol demand. *Poster presented at the Research Society on Alcoholism, 42<sup>nd</sup> Annual Meeting, Minneapolis, Minnesota.*
  20. Dunbar, A. B., **Aston, E. R.**, Guthrie, K., Merlin, J., Champion, J., & Claborn, K. R. (June 2019). Prescribing opioids as motivational incentives to promote health-related behaviors in patients. *Poster presented at the College on Problems of Drug Dependence, 81<sup>st</sup> Annual Convention, San Antonio, Texas.*
  21. Metrik, J., **Aston, E. R.**, Gunn, R., MacKillop, J., Swift, R., & Kahler, C. (June 2019). Marijuana's effects on alcohol craving and consumption in a laboratory study. *Talk given at the Research Society on Alcoholism, 42<sup>nd</sup> Annual Meeting, Minneapolis, Minnesota.*
  22. Meshesha, L., **Aston, E. R.**, Blevins, C., Battle, C., Stein, M., & Abrantes, A. (June 2019) Assessing alcohol demand within an alcohol treatment seeking population. *Poster presented at the Research Society on Alcoholism, 42<sup>nd</sup> Annual Meeting, Minneapolis, Minnesota.*
  23. \*Rubenstein, D., **Aston, E. R.**, Nollen, N. L., Mayo, M. S., Brown, A. R., & Ahluwalia, J. S. (March 2020). Factors associated with marijuana use among African American nondaily

smokers. *Poster presented at the Society for Research on Nicotine & Tobacco, 26<sup>th</sup> Annual Meeting, New Orleans, Louisiana.*

24. Garey, L., **Aston, E. R.**, Smit, T., & Zvolensky, M. J. (March 2020). Applying a behavioral economics approach to understanding smoking processes: The mediating role of past quit experiences. *Poster presented at the Society for Research on Nicotine & Tobacco, 26<sup>th</sup> Annual Meeting, New Orleans, Louisiana.*
25. **Aston, E. R.**, Amlung, M., Swift, R., MacKillop, J. & Metrik, J. (April 2020). Is toké cheap? Correspondence between marijuana demand and purchase of marijuana in the laboratory. In E. R. Aston (Chair), Assessment of demand in marijuana users: Understanding reward processing across the lifespan. *Talk accepted to Collaborative Perspectives on Addiction, 8<sup>th</sup> Annual Meeting, San Diego, California. Not presented due to COVID-19.*
26. \*Benz, M. B., **Aston, E. R.**, \*Mercurio, A., & Metrik, J. (April 2020). Potential impact of legalization of recreational marijuana among current users: Qualitative inquiry. *Poster presented at the Collaborative Perspectives on Addiction, 8<sup>th</sup> Annual Meeting, San Diego, California. Presented virtually due to COVID-19.*
27. Minhas, M., **Aston, E. R.**, Metrik, J., Murphy, J., & MacKillop, J. (April 2020). Investigating a modified marijuana purchase task to characterize cannabis demand in emerging adults. *Poster accepted to Collaborative Perspectives on Addiction, 8<sup>th</sup> Annual Meeting, San Diego, California. Not presented due to COVID-19.*
28. **Aston, E. R.** & Merrill, J.E. (June 2020). Daily assessment of the influence of alcohol demand on alcohol consumption. *Talk accepted to Research Society on Alcoholism, 43<sup>rd</sup> Annual Meeting, New Orleans, Louisiana. Not presented due to COVID-19.*
29. Metrik, J., **Aston, E. R.**, Gunn, R. L., Swift, R., MacKillop, J., & Kahler, C. (June 2020). Acute effects of moderate and high cannabis dose on alcohol consumption in a clinical laboratory paradigm: Identifying potential mechanisms. *Talk accepted to Research Society on Alcoholism, 43<sup>rd</sup> Annual Meeting, New Orleans, Louisiana. Not presented due to COVID-19.*
30. \*Berey, B.L., **Aston, E.R.**, Gebru, N.M., & Merrill, J.E. (March 2021). Differences in characteristics and reasons for use between medical and recreational cannabis users. *Poster presented at the Collaborative Perspectives on Addiction, 9<sup>th</sup> Annual Meeting. Presented virtually due to COVID-19.*
31. Gebru, N. M., **Aston, E. R.**, \*Berey, B. L., Leeman, R. F., & Metrik, J. (March 2021). “*That’s pot culture right there*”: Purchasing behaviors of recreational marijuana users. *Poster presented at the Collaborative Perspectives on Addiction, 9<sup>th</sup> Annual Meeting. Presented virtually due to COVID-19.*
32. **Aston, E. R.**, Amlung, M., Swift, R., MacKillop, J. & Metrik, J. (March 2021). Is toké cheap? Correspondence between marijuana demand and purchase of marijuana in the laboratory. In E. R. Aston (Chair), Assessment of demand in marijuana users: Understanding reward processing across the lifespan. *Talk given at the Collaborative Perspectives on Addiction, 9<sup>th</sup> Annual Meeting. Presented virtually due to COVID-19.*
33. \*Smith, J. E., Brinkman, H. R., **Aston, E.R.**, & Farris, S. G. (April 2021). Difficulties in

emotion regulation and smoking topography. *Poster presented at the Society of Behavioral Medicine, 42<sup>nd</sup> annual meeting. Presented virtually due to COVID-19.*

34. Monnig, M. A., Treloar Padovano, H., Sokolovsky, A., DeCost, G., **Aston, E. R.**, Haass-Koffler, C., Szapary, C. L., Tidey, J., Monti, P. M., & Ahluwalia, J. (June 2021). Alcohol and opioid use are associated with adherence to CDC guidelines to reduce the spread of COVID-19. *Poster presented at the Research Society on Alcoholism, 44<sup>th</sup> Annual Meeting. Presented virtually due to COVID-19.*
35. \*Berey, B. L., **Aston, E. R.**, \*Kearns, N. T., & Metrik, J. (June 2021). Mechanisms linking sleep health and cannabis use among U.S. Veterans: A behavioral economic approach. *Poster presented at the joint American Academy of Sleep Medicine and Sleep Research Society SLEEP conference. Presented virtually due to COVID-19.*
36. Snell, M., \*Berey, B. L., Amlung, M. & **Aston, E. R.** (June 2021) Evaluation of demand for cannabis among adults with anxiety symptoms. *Poster presented at the AcademyHealth annual meeting. Presented virtually due to COVID-19.*
37. **Aston, E. R.**, Meshesha, L. Z., Stevens, A. K., Borsari, B., & Metrik, J. (July 2021). Cannabis demand and use among veterans: A prospective examination. *Poster presented at the Research Society on Marijuana annual conference. Presented virtually due to COVID-19.*
38. \*Berey, B. L., **Aston, E. R.**, Pritschmann, R. K., Murphy, C. M., & Yurasek, A. M. (July 2021). Initial validation of a brief purchase task for cannabis demand among young adult college students. *Poster presented at the Research Society on Marijuana annual conference. Presented virtually due to COVID-19.*
39. Schultz, N. R., **Aston, E. R.**, Metrik, J., & Ramirez, J. J. (July 2021). Validation of the marijuana purchase task among adolescent marijuana users. *Poster presented at the Research Society on Marijuana annual conference. Presented virtually due to COVID-19.*
40. \*Kearns, N. T., Blumenthal, H., Contractor, A. A., **Aston, E. R.**, & Metrik J. (August 2021). Effect of trauma-related stress after alcohol consumption on perceived likelihood of negative consequences and willingness to drive. *Poster presented at the American Psychological Association Annual conference. Presented virtually due to COVID-19.*
41. \*Suriaga, A., **Aston, E. R.**, & Chiang-Hanisko, L. (November 2021). Synthetic cannabinoids and cannabinoid-related deaths: Relationships among age, gender, race, and manner of death. *Poster presented at the Association of Medical Education Research in Substance Abuse. Presented virtually due to COVID-19.*
42. \*Suriaga, A., **Aston, E.R.**, & Chiang-Hanisko, L. (January 2022). Dissemination of information on synthetic cannabinoids and cannabinoid-related deaths for harm reduction. *Poster presented at the American Association of Colleges of Nursing, Nursing Science and Practice: Creating Equity through Doctoral Education conference, Naples, Florida.*
43. **Aston, E. R.** & Merrill, J.E. (June 2022). Does relative alcohol value in the morning influence subsequent drinking? The importance of morning alcohol demand. *Talk given at the Research Society on Alcoholism, 45<sup>th</sup> Annual Meeting, Orlando, Florida.*

44. Gebru, N. M., \*Berey, B. L., Frohe, T., **Aston, E. R.**, Yurasek, A., & Leeman R. F. (June 2022). Relations between impaired control over alcohol and behavioral economic demand in the context of alcohol self-administration among young adults who drink heavily. *Poster presented at the Research Society on Alcoholism, 45<sup>th</sup> Annual Meeting, Orlando, Florida.*
45. Magri, T., Dvorak, R., **Aston, E. R.**, & Meshesha, L. (June 2022). Examining the relationship between alcohol expectancies and behavioral economic theory. *Poster presented at the Research Society on Alcoholism, 45<sup>th</sup> Annual Meeting, Orlando, Florida.*
46. Boyle, H.K., \*Berey B.L., & **Aston, E.R.** (July 2022). Examining the relationship between cannabis smoking topography and cannabis use behavior. *Talk given at the Research Society on Marijuana, 6<sup>th</sup> Annual Meeting, Boston, Massachusetts.*
47. \*Smith, J. E., **Aston, E. R.**, & Farris, S. G. (July 2022). Characterizing contextual factors associated with medical cannabis oil vaporization. *Talk given at the Research Society on Marijuana, 6<sup>th</sup> Annual Meeting, Boston, Massachusetts.*
48. Metrik, J., Gunn, R. L., **Aston, E. R.**, \*McCarty, K., Trull, T., & McCarthy, D. M. (July 2022). Geographically explicit momentary assessment to detect driving under the influence of cannabis. *Talk given at the Research Society on Marijuana, 6<sup>th</sup> Annual Meeting, Boston, Massachusetts.*
49. **Aston, E. R.**, \*Berey, B. L., Chopra, M., Reginato, A. M., & Metrik, J. (July 2022). Perception of cannabis as a potential adjunct treatment for rheumatic autoimmune conditions: A qualitative analysis. *Talk given at the Research Society on Marijuana, 6<sup>th</sup> Annual Meeting, Boston, Massachusetts.*
50. **Aston, E. R.** (August 2022). Assessment of cannabis' relative value: The association between demand and driving following cannabis use. *Talk given at the American Psychological Association, Minneapolis, Minnesota.*
51. Cassidy, R. N., **Aston, E. R.**, Metrik, J., & Colby, S. M. (March 2023). The impact of marijuana price on tobacco use in dual using adolescents: initial development of a marijuana and tobacco cross-price purchase task. *Poster submitted to the Society for Research on Nicotine & Tobacco, 29<sup>th</sup> Annual Meeting, San Antonio, Texas.*
52. Micalizzi, L., **Aston, E. R.**, Nesi, J., Pedersen, E. R., & Gunn, R. L. (March 2023). A qualitative study of polysubstance references in a perinatal cannabis use forum. *Poster submitted to the Society for Research on Nicotine & Tobacco, 29<sup>th</sup> Annual Meeting, San Antonio, Texas.*

### **International**

1. **Aston, E. R.**, Cassidy, R. N., MacKillop, J., & Metrik, J. (June, 2014). Initial validation of a marijuana purchase task. *Poster presented at the College on Problems of Drug Dependence, 76<sup>th</sup> Annual Convention, San Juan, Puerto Rico.*
2. Farris, S. G., **Aston, E. R.**, Zvolensky, M. J., Abrantes, A. M., & Metrik, J. (March 2017). Psychopathology and tobacco demand. *Poster presented at the Society for Research on Nicotine & Tobacco, 23<sup>rd</sup> Annual Meeting, Florence, Italy.*

3. **Aston, E. R.**, Farris, S. G., MacKillop, J., & Metrik, J. (June 2017). Latent factor structure of a behavioral economic marijuana demand curve. *Poster presented at the College on Problems of Drug Dependence, 79<sup>th</sup> Annual Convention, Montreal, Canada.*
4. Metrik, J., Bassett, S. S., **Aston, E. R.**, Jackson, K., & Borsari, B. (June 2017). Medicinal versus recreational cannabis use among returning veterans. *Poster presented at the College on Problems of Drug Dependence, 79<sup>th</sup> Annual Convention, Montreal, Canada.*
5. Claborn, K. R., **Aston, E. R.**, Saccoccio, M., & Ramsey, S. (June 2017). Prescribing narcotics and recommending medicinal marijuana as incentives to retain patients in HIV care. *Poster presented at the College on Problems of Drug Dependence, 79<sup>th</sup> Annual Convention, Montreal, Canada.*
6. Vedelago L., Morris, V., Naish, K., Patel, H., Metrik, J., **Aston, E. R.**, MacKillop, J., & Amlung, M. (February 2018). Comparison of cannabis use patterns, motives, and expectancies among medicinal and recreational users. *Poster presented at the Michael G. DeGroote Centre for Medicinal Cannabis Research Inaugural Conference, Hamilton, Canada.*
7. Morris, V., Patel, H., Vedelago L., Naish, K., Metrik, J., **Aston, E. R.**, MacKillop, J., & Amlung, M. (February 2018). Increased behavioural economic demand for alcohol in co-users of cannabis and alcohol. *Poster presented at the Michael G. DeGroote Centre for Medicinal Cannabis Research Inaugural Conference, Hamilton, Canada.*
8. **Aston, E.R.** & Merrill, J.E. (June 2019). Alcohol demand assessed daily: Validity, variability, and the influence of drinking-related consequences. *Talk given at the 45<sup>th</sup> annual Alcohol Epidemiology Symposium of the Kettil Bruun Society, Utrecht, Netherlands.*
9. **Aston, E.R.** & Merrill, J.E. (June 2020). The impact of morning alcohol demand on subsequent drinking. *Talk given at the 46<sup>th</sup> annual Alcohol Epidemiology Symposium of the Kettil Bruun Society, Warsaw, Poland. Not presented due to COVID-19.*
10. Metrik, J., Gunn, R. L., **Aston, E. R.**, Swift, R., & Kahler, C. (August 2020). Acute effects of cannabis on alcohol consumption: moderation of effects by cannabis use patterns. *Talk accepted to International Society of Behavioral Medicine, 16<sup>th</sup> Annual Meeting, Glasgow, Scotland. Not presented due to COVID-19.*
11. Borissova, A., Soni, S., **Aston, E. R.**, Lees, R. H., Petrilli, K., Wall, M. B., Bloomfield, M. A. P, Mertzani, E., Paksina, A., Freeman, T. P., Mokrysz, C., Lawn, W., & Curran, H. V. (July 2022). Age differences in the behavioural economics of cannabis use: Do adolescents and adults differ on demand for cannabis and discounting of future reward? *Poster presented at the British Association for Psychopharmacology, London, England.*

## GRANTS

### Current Grants

**R16GM145553** (Pulvers)

8/1/2022-3/31/2026

NIDA

*Behavioral economic demand for cannabis and tobacco among young adults*

Role: Consultant



**R01DA053087** (Jackson, Metrik) 7/15/2022-7/14/2027  
NIDA  
*A multi-method investigation of cannabis messaging: Characterizing source, content, and associations with cannabis consumption*  
Role: Co-Investigator

**R01AA029711** (Metrik) 4/1/2022-3/31/2027  
NIAAA  
*Cannabis' Impact on Alcohol Consumption: Integrating Laboratory and Ecological Momentary Assessment Methods*  
Role: Co-Investigator

**P20GM130414**: CADRE (Monti) 8/1/2019-7/31/2024  
NIGMS  
*Impact of Acute Cannabis Administration on Pain Symptomology and Inflammatory Markers among Patients with Rheumatoid Arthritis*  
Role: Project Leader

**Research Excellence Award** (MPI: Berey, Aston) 1/5/2021-1/4/2023  
Brown University Center for Alcohol and Addiction Studies  
*Development of Methods and Measures to Investigate the Influence of Cannabis Use on Sleep Quality at the Daily Level*  
Role: Multi-Principal Investigator

### **Grants Under Review**

**R01DA055600** (Treloar) 4/1/2023-3/31/2028  
NIDA  
*Sensitivity to cannabis effects and cue reactivity as markers of a developing disorder in adolescents*  
Role: Co-Investigator  
Score: 20, (6<sup>th</sup> percentile); council meeting October 2022

**R01DA055654** (Metrik) 4/1/2023-3/31/2028  
NIDA  
*Individual, contextual, and geospatial influences on decisions to drive under the influence of cannabis*  
Role: Co-Investigator  
Score: 25, (11<sup>th</sup> percentile); council meeting October 2022

**R01DA054135** (Aston, Merrill) 9/1/2022-8/31/2027  
NIDA  
*Use and consequences of novel formulations of cannabis in daily life and over time*  
Role: Multi-Principal Investigator  
Score: 51, (52<sup>nd</sup> percentile); planned resubmission November 2022

**R01AA029681** (Aston, Merrill) 9/1/2022-8/31/2027  
NIAAA  
*A comprehensive examination of predictors and consequences of impaired control over drinking using combined laboratory, longitudinal, and ecological momentary assessments*

Role: Multi-Principal Investigator  
 Score: 40, (34<sup>th</sup> percentile); planned resubmission February 2023

**R01DA053368** (Aston) 4/1/23-3/31/28

NIDA  
*Using behavioral economic domains to characterize cannabis use trajectories among young adults: A prospective mixed-methods investigation*  
 Role: Principal Investigator  
 Score: 40, (30<sup>th</sup> percentile); resubmitted June 2022

**R01DA056481** (Aston, Cassidy) 7/1/2022-6/30/2026

NIDA  
*Using novel behavioral economic measures to characterize dual marijuana and tobacco use in young adults*  
 Role: Multi-Principal Investigator  
 Score: 33, (22<sup>nd</sup> percentile); resubmitted June 2022

**K99DA055726** (Berey) 4/1/2023-3/31/2028

NIDA  
*Applying technology-based-tools and behavioral economics to address links between cannabis use and sleep behaviors*  
 Role: Primary Mentor  
 Score: 23, planned resubmission October 2022

**K99DA058032** (McCarty) 4/1/2023-3/31/2028

NIDA  
*Cannabis Use and Quality of Life in Older Adults*  
 Role: Co-Mentor  
 Score: TBD

**Completed Grants**

**Research Excellence Award** (MPI: Aston, Cassidy) 8/15/2017-8/15/2019

Brown University Center for Alcohol and Addiction Studies  
*Effects of Cannabis on Cigarette Demand in Adolescent Dual Users*  
 Role: Multi-Principal Investigator  
 Direct Costs: \$2,817

**Salomon Award** (MPI: Aston, Farris) 4/30/2018-4/29/2020

Brown University  
*Marijuana Vaporization: An Ecological Momentary Assessment Pilot Study*  
 Role: Multi-Principal Investigator  
 Direct Costs: \$15,000

**K01DA039311** (PI: Aston) 5/1/2015-3/31/2021

NIDA  
*Behavioral Economic Analysis of Demand for Marijuana*  
 Role: Principal Investigator  
 Direct Costs: \$167,112

**Research Excellence Award** (MPI: Metrik, Gunn, Aston) 12/11/2020-12/10/2021

Brown University Center for Alcohol and Addiction Studies

*Geographically Explicit Momentary Assessment to Detect Driving Under the Influence of Cannabis*

Role: Multi-Principal Investigator

Direct Costs: \$12,024

**R01AA024091** (PI: Metrik)

6/1/2016-5/31/2022

NIAAA

*Marijuana's Impact on Alcohol Motivation and Consumption*

Role: Co-Investigator

Direct Costs: \$311,702

**UNIVERSITY TEACHING AND MENTORING ROLES****Courses Taught**

|                  |            |   |
|------------------|------------|---|
| 2013             | Instructor | <i>Drug Abuse Workshop, Physical Therapy DPT Program, Winston-Salem State University</i>      |
| 2014             | Instructor | <i>Psychology of Criminal Behavior, Summer@Brown Program, Brown University</i>                |
| 2014 - 2015      | Instructor | <i>Project FREE Smoking Cessation Study Health Education Sessions, Butler Hospital</i>        |
| 2018, 2019       | Instructor | <i>Introduction to Biopsychology and Neuroscience, Summer@Brown Program, Brown University</i> |
| 2020, 2021, 2022 | Instructor | <i>Responsible Conduct of Research, School of Public Health, Brown University</i>             |
| 2021             | Instructor | <i>Cannabis Use, Independent Study (PHP 2980), Holly Boyle</i>                                |

**Guest Lectures**

|      |               |  |
|------|---------------|--|
| 2011 | Guest Lecture | <i>Autonomic nervous system, Physiology Block, Physical Therapy DPT Program, Winston-Salem State University</i>  |
| 2011 | Guest Lecture | <i>Autonomic dysreflexia simulation, Physiology Block, Physical Therapy DPT Program, Winston-Salem State University</i>  |
| 2012 | Guest Lecture | <i>Neuronal components, action potentials, and synaptic transmission, Physiology Block, Physical Therapy DPT Program, Winston-Salem State University</i>   |
| 2012 | Guest Lecture | <i>Sedative hypnotics, anti-anxiety drugs, and treating depression and bipolar disorders, Pharmacology Block, Physical Therapy DPT Program, Winston-Salem State University</i>                     |
| 2016 | Guest Lecture | <i>Methods, study design, and data analysis, Research Grant Writing for Public Health, School of Public Health, Brown University</i>   |
| 2017 | Guest Lecture | <i>Behavioral economics: A tool to understand development of the use and abuse of substances,. Etiology of Substance Use Disorders, Center for Alcohol and Addiction Studies, Brown University</i> |

|      |               |   |
|------|---------------|---|
| 2017 | Guest Lecture | <i>Psychological disorders, The Mind, Brain, and Behavior, Summer@Brown Program, Brown University</i>   |
| 2017 | Guest Lecture | <i>Ethics: Intellectual Properties. T32 Postdoctoral Fellowship Training Program Seminar, Brown University</i>  |
| 2018 | Guest Lecture | <i>Using qualitative methods in measure development: Assessing behavioral economic demand for marijuana, Novel Research in Clinical and Health Psychology, The Rutgers University</i>             |
| 2019 | Guest Lecture | <i>Methods, study design, and data analysis, Research Grant Writing for Public Health, School of Public Health, Brown University</i>  |
| 2019 | Guest Lecture | <i>Recreational and medical marijuana use: Shifts in norms and policy, Public Health Senior Seminar, School of Public Health, Brown University</i>  |
| 2019 | Guest Lecture | <i>Behavioral economics: A tool to understand development of the use and abuse of substances, Etiology of Substance Use Disorders, Center for Alcohol and Addiction Studies, Brown University</i> |
| 2019 | Guest Lecture | <i>Psychological disorders, The Mind, Brain, and Behavior, Summer@Brown Program, Brown University</i>   |
| 2020 | Guest Lecture | <i>Recreational and medical marijuana use: Shifts in norms and policy, Public Health Senior Seminar, School of Public Health, Brown University</i>  |
| 2020 | Guest Lecture | <i>Marijuana use, effects, and public health implications, Special Topics on Substance Use and Misuse, School of Public Health, Brown University</i>  |
| 2021 | Guest Lecture | <i>How do non-genetic biological factors contribute to the development of alcohol use disorders? Alcohol Use &amp; Misuse, School of Public Health, Brown University</i>                          |
| 2022 | Guest Lecture | <i>Ethics: Authorship, T32 Postdoctoral Fellowship Training Program Seminar, Brown University</i>   |
| 2022 | Guest Lecture | <i>Behavioral economic demand: Tools to understand the progression and escalation of substance use, Substance Use and Vulnerability to Addiction, School of Public Health, Brown University</i>   |
| 2022 | Guest Lecture | <i>Qualitative Research to Guide Treatment Development, Treatment of Substance Use Disorders, Center for Alcohol and Addiction Studies, Brown University</i>                                      |

**Thesis/Dissertation Advisement**

|             |                         |   |
|-------------|-------------------------|---|
| 2017 - 2018 | Thesis Committee Member | Master's thesis, Department of Behavioral and Social Health Sciences, Brown University, <i>Rachel Souza</i> |
| 2017 - 2018 | Primary Thesis Advisor  | Master's thesis, School of Public Health, Brown University, <i>Alana Mercurio</i>                           |

|             |                                     |  |
|-------------|-------------------------------------|--|
| 2019 - 2020 | Honor's Thesis<br>Secondary Advisor | Honor's Thesis, School of Public Health, Brown University, <i>Dana Rubenstein</i>  |
| 2019 - 2020 | Primary Thesis Advisor              | Master's thesis, Department of Behavioral and Social Health Sciences, Brown University, <i>Jacqueline Smith</i>                                  |
| 2021 – 2022 | Master's Thesis<br>Committee Member | Master's thesis, Department of Psychology & Neuroscience, Rutgers, The State University of New Jersey, <i>Jacqueline Smith</i>                   |
| 2022 -      | Dissertation Committee<br>Member    | Dissertation, Clinical Psychology, Department of Psychology & Neuroscience, Rutgers, The State University of New Jersey, <i>Jacqueline Smith</i> |

**Other Mentorship**

|             |                     |  |
|-------------|---------------------|--|
| 2020 - 2021 | AACN NIDA Mentor    | American Association of Colleges of Nursing (AACN) National Institute on Drug Abuse (NIDA) Program, Florida Atlantic University, <i>Armiel Suriaga</i> |
| 2020 -      | Postdoctoral Mentor | Center for Alcohol and Addiction Studies Postdoctoral Fellow, Brown University, <i>Benjamin Berey</i>  |
| 2022 -      | Consultant          | Society for the Advancement of Behavior Analysis Innovative Student Research Grant, The University of Kansas, <i>Brandon Miller</i>                    |