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College of Health and Human Performance
Department of Psychology
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ACADEMIC APPOINTMENTS

August 2018 - Present

Assistant Professor

Department of Health Education and Behavior, College of Health and Human Performance

Department of Psychology, College of Liberal Arts and Sciences
University of Florida

EDUCATIONAL HISTORY AND TRAINING

Postdoctoral Research Fellow, National Institute on Drug Abuse T32, July 2015-July 2018

Human Behavioral Pharmacology of Substance Abuse, 5T32DA007209-34
Behavioral Pharmacology Research Unit
Johns Hopkins University School of Medicine

Ph.D., Forest and Conservation Sciences: Emphasis in Experimental Psychology, July 2015

University of Montana

M.S., Experimental and Applied Psychological Science, April 2012

Utah State University

B.S., Psychology, *Summa Cum Laude*, December 2008

University of Florida

PEER-REVIEWED PUBLICATIONS

1. **Berry, M. S., & Dunn, K.E.** (*In Preparation*). Pain and Withdrawal are Common Among Patients Receiving Medications for Opioid Use Disorder and associated with Pain Catastrophizing, Negative Affect, and Poor Sleep.
2. **Berry M. S.** (2022). Addressing a critical gap: Integrating sexual aggression and coercion measures into substance administration research. *Pharmacology*,

- biochemistry, and behavior*, 217, 173391.
<https://doi.org/10.1016/j.pbb.2022.173391>
3. Pritschmann, R. K., Rung, J. M., **Berry, M. S.**, & Yurasek, A. M. (2022). Independent and concurrent cannabis use with alcohol, cigarettes, and other substances among college students: Rates and consequences. *Journal of American college health : J of ACH*, 1-8. Advance online publication.
<https://doi.org/10.1080/07448481.2022.2076094>
 4. Radunovich, H. L., Younker, T., Rung, J. M., & **Berry, M. S.** (2022). The Effects of the Opioid Crisis on Agricultural Industries. *International journal of environmental research and public health*, 19(9), 5343. <https://doi.org/10.3390/ijerph19095343>
 5. Gebru, N. M., Kalkat, M., Strickland, J. C., Ansell, M., Leeman, R. F., & **Berry, M. S.** (2022). Measuring Sexual Risk-Taking: A Systematic Review of the Sexual Delay Discounting Task. *Archives of sexual behavior*, 51(6), 2899-2920.
<https://doi.org/10.1007/s10508-022-02355-y>
 6. **Berry, M. S.**, Bruner, N. R., Herrmann, E. S., Johnson, P. S., & Johnson, M. W. (2022). Methamphetamine administration dose effects on sexual desire, sexual decision making, and delay discounting. *Experimental and clinical psychopharmacology*, 30(2), 180-193. <https://doi.org/10.1037/pha0000398>
 7. Naudé, G. P., Johnson, M. W., Strickland, J. C., **Berry, M. S.**, & Reed, D. D. (2022). At-risk drinking, operant demand, and cross-commodity discounting as predictors of drunk driving in underage college women. *Behavioural processes*, 195, 104548. <https://doi.org/10.1016/j.beproc.2021.104548>
 8. Rung, J. M., Kidder, Q. A., Horta, M., Nazarloo, H. P., Carter, C. S., **Berry, M. S.**, & Ebner, N. C. (2022). Associations between alcohol use and peripheral, genetic, and epigenetic markers of oxytocin in a general sample of young and older adults. *Brain and behavior*, 12(3), e2425. <https://doi.org/10.1002/brb3.2425>
 9. Johnson, M. W., Strickland, J. C., Herrmann, E. S., Dolan, S. B., Cox, D. J., & **Berry, M. S.** (2021). Sexual discounting: A systematic review of discounting processes and sexual behavior. *Experimental and clinical psychopharmacology*, 29(6), 711-738. <https://doi.org/10.1037/pha0000402>
 10. **Berry, M. S.**, Rung, J. M., Crawford, M. C., Yurasek, A. M., Ferreiro, A. V., & Almog, S. (2021). Using greenspace and nature exposure as an adjunctive treatment for opioid and substance use disorders: Preliminary evidence and potential mechanisms. *Behavioural processes*, 186, 104344.
<https://doi.org/10.1016/j.beproc.2021.104344>
 11. Harsin, J. D., Gelino, B. W., Strickland, J. C., Johnson, M. W., **Berry, M. S.**, & Reed, D. D. (2021). Behavioral economics and safe sex: Examining condom use decisions from a reinforcer pathology framework. *Journal of the experimental analysis of behavior*, 116(2), 149-165. <https://doi.org/10.1002/jeab.706>
 12. Naudé, G. P., Dolan, S. B., Strickland, J. C., **Berry, M. S.**, Cox, D. J., & Johnson, M. W. (2021). The Influence of Episodic Future Thinking and Graphic Warning Labels on Delay Discounting and Cigarette Demand. *International journal of environmental research and public health*, 18(23), 12637.
<https://doi.org/10.3390/ijerph182312637>

13. DeHart, W. B., Friedel, J. E., **Berry, M.S.**, Frye, C., Galizio, A., & Odum, A. L. (2020). Comparison of delay discounting of different outcomes in cigarette smokers, smokeless tobacco users, e-cigarette users, and non-tobacco users. *Journal of the experimental analysis of behavior*, 114(2), 203-215. <https://doi.org/10.1002/jeab.623>
14. *Jake-Schoffman, D. E., ***Berry, M. S.**, Donahue, M. L., Christou, D. D., Dallery, J., & Rung, J. M. (2020). Aerobic Exercise Interventions for Patients in Opioid Maintenance Treatment: A Systematic Review. *Substance Abuse: Research and Treatment*. <https://doi.org/10.1177/1178221820918885>
***Dual first author**
15. **Berry, M. S.**, Repke, M. A., Metcalf, A. L., & Jordan, K. E. (2020). Promoting Healthy Decision-Making via Natural Environment Exposure: Initial Evidence and Future Directions. *Frontiers in psychology*, 11, 1682. <https://doi.org/10.3389/fpsyg.2020.01682>
16. **Berry, M. S.**, Sweeney, M. M., Dolan, S. B., Johnson, P. S., Pennybaker, S. J., Rosch, K. S., & Johnson, M. W. (2020). Attention-Deficit/Hyperactivity Disorder Symptoms Are Associated with Greater Delay Discounting of Condom-Protected Sex and Money. *Archives of sexual behavior*, 10.1007/s10508-020-01698-8. Advance online publication. <https://doi.org/10.1007/s10508-020-01698-8>
17. Dolan, S. B., **Berry, M. S.**, Johnson, P. S., & Johnson, M. W. (2020). Potential for limited reinforcing and abuse-related subjective effects of intranasal oxytocin. *Journal of psychopharmacology (Oxford, England)*, 34(3), 336-347. <https://doi.org/10.1177/0269881119867607>
18. Johnson, M. W., Bruner, N. R., Johnson, P. S., Silverman, K., & **Berry, M. S.** (2020). Randomized controlled trial of d-cycloserine in cocaine dependence: Effects on contingency management and cue-induced cocaine craving in a naturalistic setting. *Experimental and clinical psychopharmacology*, 28(2), 157-168. <https://doi.org/10.1037/pha0000306>
19. **Berry, M.S.**, Repke, M.A., & Conway, L.G. 3rd (2019). Visual Exposure to Natural Environments Decreases Delay Discounting if Improved Air Quality. *Frontiers in Public Health*, 7:308. doi:10.3389/fpubh.2019.00308
20. Pacek, L.R., **Berry, M.S.**, Rass, O., Mercincavage, M., McCleron FJ., Johnson, M.W. (2019). Graphic warning labels affect hypothetical cigarette purchasing behavior among smokers living with HIV. *International Journal of Environmental Research and Public Health*. 12;16(18). pii: E3380. doi: 10.3390/ijerph16183380.
21. Huhn, A. S., **Berry, M. S.** & Dunn, K. E. (2019). Review: Sex-Based Differences in Treatment Outcomes for Persons with Opioid Use Disorder. *The American Journal on Addictions*, 28: 246-261. 1111/ajad.12921
22. Friedel, J.E., Galizio, A., **Berry, M.S.**, Sweeney, M.M., & Odum, A.L. (2019). An Alternative Approach to Relapse Analysis: Using Monte Carlo Methods and Proportional Rates of Response. *Journal of the Experimental Analysis of Behavior*, 111: 289-308. 10.1002/jeab.489
23. Huhn, A. S., **Berry, M. S.** & Dunn, K. E. (2019). Systematic Review of Sex-based Differences in Opioid-based Effects. *International Review of Psychiatry*, 30: 107-116. 10.1080/09540261.2018.1514295

24. Repke, M. A., **Berry, M. S.**, Conway, L. G., III, Metcalf, A., Hensen, R. M., & Phelan, C. (2018). How Does Nature Exposure Make People Healthier?: Evidence for the Role of Impulsivity and Expanded Space Perception. *PLoS ONE* 13(8): e0202246. <https://doi.org/10.1371/journal.pone.0202246>
25. **Berry, M. S.**, Johnson, P. S., Collado, A., Lova, J. M., Yi, R., & Johnson, M. W. (2018). Sexual Probability Discounting: A Mechanism for Sexually Transmitted Infection Among Undergraduate Students, *Archives of Sexual Behavior*, 48: 495-505. doi: 10.1007/s10508-018-1155-1.
26. Ong, C. W., Graves, K., **Berry, M. S.** & Odum, A. L., & Twohig, M. P. (2018). Obsessive-Compulsive Symptoms are Associated with Increased Delay Discounting in a Novel Hand Washing Task. *Behavior Analysis: Research and Practice*. <http://dx.doi.org/10.1037/bar0000096> [Epub ahead of print]
27. Jarvis, B. P., Holtyn, A. F., **Berry, M. S.**, Subramaniam, S., Umbricht, A., Fingerhood, M., Bigelow, G. E., & Silverman, K. (2018). Predictors of induction onto extended-release naltrexone among unemployed heroin-dependent adults. *Journal of Substance Abuse Treatment*, 85, 38. 10.1016/j.jsat.2017.04.012
28. **Berry, M. S.**, Nickerson, N. P., & Odum, A. L. (2017). Delay discounting as an index of sustainable behavior: Devaluation of future air quality and implications for public health. *International Journal of Environmental Research and Public Health*, 14(9) doi:10.3390/ijerph14090997
29. **Berry, M. S.**, & Johnson, M. W. (2018). Does Being Drunk or High Cause HIV Sexual Risk Behavior? A Systematic Review of Drug Administration Studies. *Pharmacology, Biochemistry and Behavior*, 164. 125-138 doi:10.1016/j.pbb.2017.08.009
30. **Berry, M. S.** (2017). Discrete Trials. In: Vonk, J., Shackelford T. (Eds). *Encyclopedia of Animal Cognition and Behavior*. Springer, Cham, Switzerland. doi: 10.1007/978-3-319-47829-6_1234-1
31. **Berry, M. S.**, Friedel, J. E., DeHart, W. B., Mahamane, S., Jordan, K. E., & Odum, A. L. (2017). The Value of Clean Air: Comparing Discounting of Delayed Air Quality and Money Across Magnitudes. *The Psychological Record*, doi:10.1007/s40732-017-0233-4
32. Sweeney, M. M., Rass, O., Johnson, P. S., Strain, E. C., **Berry, M. S.**, Vo, H. T., Fishman, M. J., Munro, C. A., Rebok, G. W., Mintzer, M. Z., & Johnson, M. W. (2016). Initial feasibility and validity of a prospective memory training program in a substance use treatment population. *Experimental and Clinical Psychopharmacology*, 24(5), 390-399. 10.1037/pha0000091
33. **Berry, M. S.**, Nickerson, N. P., & Metcalf, E. C. (2016). Using spatial, economic, and ecological opinion data to inform gray wolf conservation. *Wildlife Society Bulletin*, 40(3), 554-563. 10.1002/wsb.687
34. **Berry, M. S.**, Repke, M. A., Nickerson, N. P., III Conway, L. G., Odum, A. L., & Jordan, K. E. (2015). Making time for nature: Visual exposure to natural environments lengthens subjective time perception and reduces impulsivity. *Plos One*, 10(10), 1. 10.1371/journal.pone.0141030
35. **Berry, M. S.**, Sweeney, M. M., & Odum, A. L. (2014). Effects of baseline reinforcement rate on operant ABA and ABC renewal. *Behavioural Processes*, 108, 87-93. 10.1016/j.beproc.2014.09.009

36. **Berry, M. S.**, Sweeney, M. M., Morath, J., Odum, A. L., & Jordan, K. E. (2014). The nature of impulsivity: Visual exposure to natural environments decreases impulsive decision-making in a delay discounting task. *Plos One*, 9(5), 1. 10.1371/journal.pone.0097915
37. **Berry, M. S.**, & Odum, A. L. (2014). Reinforcer magnitude and resistance to disruption of forgetting functions and response rates. *Journal of the Experimental Analysis of Behavior*, 101(3), 373-384. 10.1002/jeab.86
38. **Berry, M.S.**, Kangas, B.D., & Branch, M.N. (2012). Development of Key-Pecking, Pause, and Ambulation during Extended Exposure to a Fixed Interval-Schedule of Reinforcement. *Journal of the Experimental Analysis of Behavior*, 97, 333-346. 10.1901/jeab.2012.97-333
39. Kangas, B.D., **Berry, M.S.**, & Branch, M.N. (2011). On the Development and Mechanics of Delayed-Matching-to-Sample Performance. *Journal of the Experimental Analysis of Behavior*, 2, 221-236. 10.1901/jeab.2011.95-221
40. Rodzon, K., **Berry, M. S.**, & Odum, A. L. (2011). Within-subject comparison of degree of delay discounting using titrating and fixed sequence procedures. *Behavioural Processes*, 86(1), 164-167. 10.1016/j.beproc.2010.09.007
41. Kangas, B. D., **Berry, M. S.**, Cassidy, R. N., Dallery, J., Vaidya, M., & Hackenberg, T. D. (2009). Concurrent performance in a three-alternative choice situation: Response allocation in a Rock/Paper/Scissors game. *Behavioural Processes*, 82(2), 164-172. 10.1016/j.beproc.2009.06.004

OTHER PUBLICATIONS

Berry, M.S. Women In STEM - Back to Basics (2015). *International Innovation Magazine*.

PROFESSIONAL PRESENTATIONS

INVITED PRESENTATIONS

1. **Berry, M.S.** (August 2021). Invited Address for the B.F. Skinner Foundation and APA Division 25 New Researcher Award. Novel Pharmacological and Environmental Treatments for Opioid Use Disorder. Paper presented at the annual American Psychological Association Virtual Conference.
2. **Berry, M.S.**, Cruz-Almeida, Y., Ebner, N.C. (December 2019). The Potential of Oxytocin to Reduce Opioid Abuse Liability and Simultaneously Reduce Pain. Invited Address at the Inaugural Symposium on Pain and Addiction Research, Gainesville, FL.
3. **Berry, M.S.** (July 2019). Does Being Drunk or High Cause HIV Sexual Risk Behavior? Invited Address at the Southern HIV and Alcohol Research Consortium (SHARC), Gainesville, FL.

4. **Berry, M.S.** (May 2019). Visual Exposure to Nature Expands Time and Space Perception and Reduces Delay Discounting. Invited Address at the Society for the Quantitative Analysis of Behavior Annual Conference, Chicago, IL.
5. **Berry, M.S.** (April 2018). Tobacco Regulatory Policy and Current Research. Paper presented in the Department of Public Health, Johns Hopkins University, Baltimore, MD.
6. **Berry, M.S.** (March 2018). Behavioral Pharmacology and Decision-Making. Paper presented in the Department of Psychology, University of Massachusetts, Dartmouth, MA.
7. **Berry, M.S., & Johnson, M.W.** (August 2017). Behavioral Perspectives: Understanding the Cognitive and Behavioral Aspects of Opioid Use Disorder. Paper presented at the Mind the Gap Workshop, Johns Hopkins University School of Medicine, Baltimore, MD.

PAPERS PRESENTED

1. Rung, J. M., & **Berry, M. S.** (August, 2021). *Can sunk cost effects promote decisions to remain abstinent?* Paper presented at the annual American Psychological Association Convention.
2. **Berry, M.S.**, Almog, S., Rung, J.M., Yurasek, A.M., & Vásquez Ferreiro, A. (August, 2021). *The Potential of Greenspace Exposure as a Treatment Component for Substance (Opioid) Use Disorder(s).* Paper Presented at the Annual American Psychological Association Convention.
3. **Berry, M.S.** (August 2020). Visual Exposure to Nature Expands Time and Space Perception and Reduces Delay Discounting: Implications for Human and Environmental Health. Paper presented at the American Psychological Association Virtual Conference.
4. Rung, J. M., & **Berry, M. S.** (July, 2020). Using behavioral economics for understanding substance use disorders. Presentation given for the Neuromedicine Summer Seminar Series, University of Florida, Gainesville, FL.
5. Johnson, M.W., Dolan, S.B., Cox, D.J., Strickland, J.C., **Berry, M.S.** (May, 2020). Reduced-nicotine cigarettes: Behavioral-economics of operant reinforcement. Paper presented at the Association for Behavior Analysis International Virtual Conference.
6. **Berry, M.S.** (January 2020). Harnessing Multiple Benefits of Nature Exposure for Developing Adjunct Treatments for Substance Use Disorders: Mechanisms and Future Directions. Presented to the Department of Psychiatry, Gainesville, FL.
7. **Berry, M.S.** (May 2019). Expanding Time and Space Perception via Nature Exposure. Presented to the Department of Health Education and Behavior, Gainesville, FL.
8. Johnson, M. W., Dolan, S., & **Berry, M.S.** (June 2019). Prolonged exposure to reduced-nicotine cigarettes reduces behavioral economic demand for full- and reduced-nicotine cigarettes. Paper presented at the International Study Group Investigating Drugs as Reinforcers, San Antonio, TX.

9. **Berry, M.S.** (January 2019). Delay Discounting: A Primer. Presented at the Center for Behavioral Economic Health Research Symposium, Gainesville, FL.
10. Dolan, S., **Berry, M.S.**, & Johnson, M. W. (July 2018). Prolonged exposure to reduced-nicotine cigarettes reduces behavioral economic demand for full- and reduced-nicotine cigarettes. Paper presented at the Tobacco Regulatory Science Meeting, Bethesda, MD.
11. Dolan, S., **Berry, M.S.**, & Johnson, M. W. (June 2018). Prolonged exposure to reduced-nicotine cigarettes reduces behavioral economic demand for full- and reduced-nicotine cigarettes. Paper presented at the College on Problems of Drug Dependence Annual Convention, San Diego, CA.
12. Dolan, S., **Berry, M.S.**, & Johnson, M. W. (June 2018). Prolonged exposure to reduced-nicotine cigarettes increases taste acceptability and reduces demand for full- and reduced-nicotine cigarettes. Paper presented at the International Study Group Investigating Drugs as Reinforcers Annual Convention, San Diego, CA.
13. Johnson, M.W. & **Berry, M.S.** (May 2018). The Double Blind Drug Purchasing Task. Paper presented at the Association for Behavior Analysis International conference, San Diego, CA.
14. **Berry, M.S.**, Sweeney, M.M., Johnson, P.S., & Johnson, M.W. (May 2018). ADHD Symptoms Predict Delay Discounting of Condom-Protected Sex and Money. Paper presented at the Association for Behavior Analysis International conference, San Diego, CA.
15. **Berry, M.S.**, & Johnson, M.W. (August 2017). Methamphetamine: Risky Drug or ADHD Therapeutic? Paper presented at the American Psychological Association Annual Convention, Washington, D.C.
16. Sweeney, M.M., **Berry, M.S.**, Johnson, P.S., Hermann, E., & Johnson, M.W. (May 2017). Using Crowdsourcing Technology to Examine the Relationship Between Sexual Delay Discounting and Sexual Risk Behavior. Paper presented at the Association for Behavior Analysis International conference, Denver, CO.
17. **Berry, M.S.**, & Johnson, M.W. (May 2017). Behavioral Economic Demand for Drugs of Abuse: Insights From the Novel Double-Blind Purchasing Task (DBPT). Paper presented at the Association for Behavior Analysis International conference, Denver, CO.
18. Repke, M.A., **Berry, M.S.**, & Conway, L.G. III (January, 2017). How does nature exposure make people healthier?: Experimental and non-experimental evidence for the role of impulsivity. Data blitz presentation given at the 18th Annual Meeting of the Society for Personality and Social Psychology, San Antonio, TX.
19. **Berry, M.S.**, & Johnson, M.W. (June 2016). Behavioral Economic Demand for Drugs of Abuse. Paper presented at the International Study Group Investigating Drugs as Reinforcers (ISGIDAR), Palm Springs, CA.
20. **Berry, M.S.**, Repke, M.R., Odum, A.L., & Conway, L.G. (May 2016). Expanding Space and Time Perception Through Nature Exposure: Effects on Impulsive Decision-Making. Paper presented at the Association for Behavior Analysis International conference, Chicago, IL.
21. Nickerson, N.P., & **Berry, M.S.** (October 2014). The Gardiner Gateway Project: Connecting Community and Yellowstone. Paper presented at the Biennial Scientific Conference on the Greater Yellowstone Ecosystem, Mammoth Hot Springs, WY.

22. **Berry, M.S.**, Nickerson, N.P., & Metcalf, E. (October 2014). Ecological and Economic Impacts of Wolves: Montana Residents Weigh In. Paper presented at the Biennial Scientific Conference on the Greater Yellowstone Ecosystem, Mammoth Hot Springs, WY.
23. Nickerson, N.P., Jorgenson, J., **Berry, M.S.**, Kwenye, J., Kozel, D. & Schutz, J. (April 2014). "Are they NUTS or is it a market to explore? The voice of the multi-day bicyclist." Presentation at the Greater Western Travel and Tourism Research Association annual conference, Denver, CO.
24. Nickerson, N.P., Jorgenson, J., **Berry, M.S.**, Kwenye, J., Kozel, D. & Schutz, J. (March 2014). Analysis of Touring Cyclists: Impacts, needs and opportunities for MT. Paper presented at the Bike Walk MT Summit, Billings, MT.
25. **Berry, M.S.**, Sweeney, J., Jordan, K.E. & Odum, A.L. (May 2014). The Nature of Self Control. Paper presented at the Association for Behavior Analysis International conference, Chicago, IL.
26. **Berry, M.S.**, Jorgenson, J., & Nickerson, N.P. (February 2014). Reducing Emissions While Increasing Tourists' Economic Impact: Montana's Untapped Bicycle Tourism Niche. Tourism Advisory Council Meeting, Missoula, MT.
27. **Berry, M.S.**, & Odum, A.L. (May, 2013). The Effects of Baseline Reinforcer Rate on Resistance to Extinction and Reinstatement of Operant Responding. Paper presented at the Association for Behavior Analysis International conference, Minneapolis, MN.
28. **Berry, M.S.**, & Odum, A.L. (May, 2012). Reinforcer Magnitude and Resistance to Disruption of Forgetting Functions. Paper presented at the Association for Behavior Analysis International conference, Seattle, WA.
29. **Berry, M.S.**, & Odum, A.L. (May, 2011). The Effects of Baseline Reinforcer Rate on Resistance to Extinction and Renewal. Paper presented at the Association for Behavior Analysis International conference, Denver, CO.
30. Rodzon, K., **Berry, M.S.**, Odum, A.L., & Jordan, K. (April, 2011). Influence of Mood Induction on Impulsive Decision-Making. Presented at the Utah Academy of Science, Arts and Letters, Salt Lake City, UT.
31. **Berry, M.S.**, Rodzon, K., Jordan, K., & Odum, A.L. (March, 2011). Mood Induction and Impulsivity. Presented at the Intermountain Graduate Research Symposium, Utah State University, Logan, UT.
32. Odum, A.L., Jordan, K., Madden, G.J., Rodzon, K., & **Berry, M.S.** (January, 2011). Development of an Experiential Delay Discounting Task for Young Children. Presented at the Winter Conference on Animal Learning and Behavior. Winter Park, CO.
33. Odum, L.A., & **Berry, M.S.** (August, 2010). Sensitization to Stimulants: Interaction of Operant Behavior and Locomotor Activity. Paper presented at the American Psychological Association Annual Convention, San Diego, CA.
34. Kangas, B.D., **Berry, M.S.**, & Branch, M.N. (May, 2010). Quantification of the Development of Steady-State Performance under a Delayed-Matching-to-Sample Procedure. Paper presented at the ABAI annual convention, San Antonio, TX.

SESSION CHAIR

1. Symposium: **Berry, M.S.** (Chair). Division 28 - Data Blitz! (August 2019). Symposium presented at the Annual Convention of the American Psychological Association, Chicago, IL.
2. Symposium: **Berry, M.S.** (Chair). Division 28 -- Young Psychopharmacologist and Outstanding Dissertation Awards (August 2019). Symposium presented at the Annual Convention of the American Psychological Association, Chicago, IL.
3. Symposium: **Berry, M.S.** (Chair). Characterizing Reinforcer Pathologies Using Behavioral Economic Demand (May 2017). Symposium presented at the Association for Behavior Analysis International Conference, Denver, CO.
4. Symposium: **Berry, M.S.** (Chair). Current Issues In Nonhuman Behavioral Pharmacology (May 2010). Symposium presented at the Association for Behavior Analysis International Conference, San Antonio, TX.

POSTERS PRESENTED

1. Almog, S., Rung, Rung, J.M., Yurasek, A.M., & Berry, M.S. (August, 2021). The Effects of Visual Exposure to Natural versus Built Environments on Delay Discounting and Behavioral Economic Demand. Paper Presented at the Annual American Psychological Association Convention.
2. Crawford, M.C., Donahue, M. L., Jake-Schoffman, D. E., **Berry, M. S.** (2020). Adjunctive exercise interventions for opioid use disorder: A review. Poster presented at the virtual meeting of the American Psychological Association.
3. Vasquez Ferreiro, A., Donahue, M. L., **Berry, M. S.**, & Jake-Schoffman, D. E. (2020). The potential of exercise as an adjunct to opioid maintenance treatment (OMT): A survey study. Poster presented at the virtual meeting of the American Psychological Association.
4. Castro, B.S., Pritschmann, **Berry, M.S.**, Yurasek, A.M. (2020). Consideration of Future Consequences and Cannabis Use in Truant Adolescents. Paper presented at the Association for Behavioral and Cognitive Therapies Virtual Conference.
5. Kalkat, M. Gebru, N., Ansell, M., **Berry, M. S.**, Leeman, R. (2020). Measuring Sexual Risk-Taking: A systematic Review of the Sexual Delay Discounting Task with a Focus on Drug Administration. Presented at the College on Problems of Drug Dependence Virtual Conference.
6. **Berry, M.S.**, Dolan, S. B. & Johnson, M.W. (2020). Increased Discounting of Sexual, but not Monetary or Social, Outcomes in Males Following Intranasal Oxytocin Administration. Poster presented at the College on Problems of Drug Dependence Annual Convention, Virtual Conference.
7. Rung, J.M., Jake-Schoffman, D.E., Donahue, M. & **Berry, M.S.** (2020). Adjunctive Exercise Interventions for Opioid Use Disorder: A Review. Poster presented at the College on Problems of Drug Dependence Annual Convention, Virtual Conference. Poster presented at the College on Problems of Drug Dependence Annual Convention, Virtual Conference.
8. Crawford, M., Cruz-Almeida, Y., Ebner, N.C., & **Berry, M.S.** (2019). Separate and Combined Effects of Oxytocin on Decision-Making and Pain. Poster Presented at the Inaugural Symposium on Pain and Addiction Research, Gainesville, FL.

9. **Berry, M.S.**, Pacek, L. R., & Johnson, M.W. (2019). Graphic Warning Labels Affect hypothetical Purchasing Behavior Among Smokers Living with HIV. Poster presented at the College on Problems of Drug Dependence Annual Convention, San Antonio, TX.
10. Dolan, S.B., **Berry, M.S.**, Cox, D.J., & Johnson, M.W. (2019). Abuse liability of reduced-nicotine content cigarettes: A behavioral economic analysis. Poster presented at the Society for Research on Nicotine and Tobacco Annual Conference, San Francisco, CA.
11. Cox, D.J., Dolan, S.B., **Berry, M.S.**, Johnson, M.W. (2019) Independent and combined influence of episodic future thinking and graphic warning labels on discounting and hypothetical cigarette purchasing. Poster presented at the Society for Research on Nicotine and Tobacco Annual Conference, San Francisco, CA.
12. Mitchell, L. Stout, N., Dolan, S., **Berry, M.S.**, & Johnson, M.W. (2018). Increased Discounting of Sexual, but not Monetary or Social, Outcomes in Males Following Intranasal Oxytocin Administration. Poster presented at the Annual Johns Hopkins Bayview Research Symposium, Baltimore, MD.
13. Mejaes, J. Mattingly, J., Dolan, S., **Berry, M.S.**, & Johnson, M.W. (2018). Limited Reinforcing and Subjective Effects of Intranasally-Administered Oxytocin. Poster presented at the Annual Johns Hopkins Bayview Research Symposium, Baltimore, MD.
14. **Berry, M.S.**, Sweeney, M.M. Mitchell, L N., & Johnson, M.W. (2018). Developing and Testing a Novel Prospective Memory Training Program in Opioid and Polysubstance Users Across 15 and 30 Sessions of Training. Poster presented at the College on Problems of Drug Dependence Annual Convention, San Diego, CA.
15. Schreyer, C.C., **Berry, M.S.**, Hansen, J.L., Redgrave, G.W., Johnson, M.W., Steinglass, J., Coughlin, J.W., & Guarda, A.S. (2018). Delay Discounting and Caloric Restriction in Patients with Anorexia Nervosa. International Conference on Eating Disorders Annual Convention, Chicago, IL.
16. Repke, M.A., Conway, L.G. III, Kari Jo Harris, Houck, S.C., **Berry, M.S.** (2018). Can Cognitive Complexity Help Tobacco Smokers Quit? The Society for Personality and Social Psychology Annual Meeting, Atlanta, GA.
17. Dolan, S. B., **Berry, M.S.** & Johnson, M.W. (2018). Poor Taste Ratings of SPECTRUM Cigarettes Negatively Influence Hypothetical and Real Smoking Behaviors. The Society for Research on Nicotine and Tobacco Annual Meeting, Baltimore, MD.
18. **Berry, M.S.**, Sweeney, M.M. Mitchell, L N., & Johnson, M.W. (2017). Developing and Testing a Novel Prospective Memory Training Program in Substance Users. Poster presented at the College on Problems of Drug Dependence Annual Convention, Montréal, Canada.
19. Friedel, J.E., DeHart, W.B., Frye, C.J., Galizio, A., Haynes, J., **Berry, M.S.**, Odum, A.L. (May 2017). Comparing the quality of hyperbolic discounting models across various amounts of differing outcomes. Poster presented at the Society for the Quantitative Analysis of Behavior Annual Convention, Denver, CO.

20. Ong, C.W., Graves, K., **Berry, M.S.**, Odum, A.L., & Twohig, M.P. (October 2016). Impulsivity and compulsivity: Delay discounting and its relationship to obsessive-compulsive symptoms. Association for Behavioral and Cognitive Therapies, New York, NY.
21. **Berry, M.S.**, Repke, M., Jordan, K.E., Nickerson, N.P., & Odum, A.L. (May 2015). Visual Exposure to Natural Environments Expands Time Perception and Increases Self-control. Poster presented at the Society for the Quantitative Analysis of Behavior, San Antonio, TX.
22. Repke, M.A., **Berry, M.S.** & Houck, S.C. (February 2015). Can Viewing Nature Lead to Healthier Decisions? The Society for Personality and Social Psychology Annual Meeting, Long Beach, CA.
23. **Berry, M.S.**, Nickerson, N.P., & Metcalf, E. (August 2013). Montana Resident Opinions Regarding Wolves and Management. Poster Presented at the National Science Foundation-Institute on Ecosystems Conference, Helena, MT.
24. **Berry, M.S.**, Morath, J., Odum, A.L., & Jordan, K.E. (August, 2012). Mother Nature and Self-Control. Poster presented at the Behavior Change for a Sustainable World Conference, Columbus, OH.
25. **Berry, M.S.**, Morath, J., Odum, A.L., & Jordan, K.E. (May, 2012). The Effects of Nature on Self-Control. Poster presented at the Society for the Quantitative Analysis of Behavior Annual Convention, Seattle, WA.
26. Rodzon, K.S., **Berry, M.S.**, Odum, A.L., & Jordan, K.E. (May, 2011). Discounting Delayed Rewards: Influence of Initial Value Presentation. Poster presented at the Society for the Quantitative Analysis of Behavior Annual Convention, Denver, CO.
27. **Berry, M.S.**, & Odum, A.L. (May, 2011). Effects of Relative Reinforcement on Operant ABC Renewal. Poster presented at the Society for the Quantitative Analysis of Behavior Annual Convention, Denver, CO.
28. Kangas, B.D., **Berry, M.S.**, & Branch M.N. (November, 2010). Performance Observed During First Session of DMTS Training Predicts Errors Observed One Year Later. Poster presented at the Southeastern Association for Behavior Analysis regional conference, Asheville, NC.
29. Norlund, B., **Berry, M.S.**, Johnson, R., & Odum, A.L. (May, 2010). Effects of Baseline Reinforcer Rate on Responding During Extinction and Resurgence. Poster presented at the Association for Behavior Analysis International Conference, San Antonio, TX.
30. **Berry, M.S.**, & Odum, A.L. (May, 2010). Effects of Baseline Reinforcer Rate on Responding During Extinction and Renewal. Poster presented at the Society for the Quantitative Analysis of Behavior Annual Convention, San Antonio, TX.
31. **Berry, M.S.**, Rodzon, K., & Odum, A.L. (April, 2010). The Effects of Mood Induction on Impulsivity in a Delay Discounting Procedure. Poster Presented at the Four Corners Association for Behavior Analysis, Park City, UT.
32. **Berry, M.S.**, Rodzon, K., & Odum, A.L. (March, 2010). Relations Between Mood Impulsivity in Delay Discounting Procedure. Poster presented at the Intermountain Research Symposium, Logan, UT.

33. **Berry, M.S.**, Kangas, B.D., & Branch, M.N. (May, 2009). Development of Key-Pecking, Pause and Locomotion on a Fixed-Interval Schedule of Reinforcement. Poster presented at the Society for the Quantitative Analysis of Behavior Annual Convention, Phoenix, AZ.
34. **Berry, M.S.**, Kangas, B.D., & Branch, M.N. (May, 2009). Slow Development of Steady-State Performance Under a Delayed-Matching-to-Sample Procedure. Poster presented at the Association for Behavior Analysis International conference, Phoenix, AZ.
35. **Berry, M.S.**, Kangas, B.D., & Hackenberg, T.D. (May, 2009). Contingencies that Predict Indifference: Economic Analyses when the Matching Law Isn't Enough. Poster presented at the Association for Behavior Analysis International conference, Phoenix, AZ.
36. **Berry, M.S.**, Kangas, B.D., & Branch, M.N. (October, 2008). How much experience is required for delayed-matching-to-sample performance to become stable? Poster presented at the Southeastern Association for Behavior Analysis regional conference, Atlanta, GA.
37. **Berry, M.S.**, Kangas, B.D., & Hackenberg, T.D. (October, 2008). When the Matching Law Isn't Enough: Economic Analyses of Indifference. Poster presented at the Southeastern Association for Behavior Analysis regional conference, Atlanta, GA.
38. **Berry, M.S.**, Kangas, B.D., & Hackenberg, T.D. (April, 2008). The Science of Rock/Paper/Scissors: Matching Law within a Three Concurrent Choice Gaming Context. Poster presented at the University of Florida Undergraduate Research Forum, Gainesville, FL.

RECENT GRANTS AWARDED

1. **NIH/NIDA K01DA052673** Berry (PI) 1/1/2022 - 12/31/2026
 Title: Opioid-Sparing and Pain Reducing Properties of Syntocinon: A Dose Effect Determination
 This within-subject placebo-controlled human drug administration study will determine the dose effects of oxycodone and syntocinon on experimental pain, opioid addictive potential through multiple measures of drug reinforcement (e.g., "drug-liking" and behavioral economic demand for the drug experienced under double blind conditions), and identify neurobiological mechanisms underlying reduced addictive potential and reduced experimental pain from combined oxycodone-syntocinon administration in young adults.
2. **NIH/NIDA Loan Repayment Program (LRP)** PI: Berry 09/01/2020 - 09/01/2022
 Title: Combatting the Opioid Crisis through Behavioral and Pharmacological Innovation and Improved Treatments
3. **Clinical and Translational Sciences Institute** PI: Berry 12/1/2019-6/1/2022
 Center for Research to Investigate Substance Use and Pain (CRISP)
 Title: The Potential of Oxytocin to Reduce Opioid Abuse Liability and Simultaneously Reduce Pain

This project will determine the separate and combined abuse liability of oxytocin and oxycodone.

Total Costs: \$15,000.00

4. **UF Institute on Aging Pilot Grant Award** Co-PI: Berry 9/1/20-9/01/2022
 Title: Impact of Pain and Exercise on Mobility in Older Adults with Opioid Use Disorder
 This study will determine the effects of a supervised aerobic exercise program on sleep, stress, pain, heart rate, weight, and biologically verified drug use outcomes among older adults currently utilizing opioid maintenance treatment (OMT).

5. **UF-CRISP Grant Award** PI: Berry 06/01/2019 - 12/31/2020
 Center for Research to Investigate Substance Use and Pain (CRISP)
 Title: Opioid-Sparing and Analgesic Effects of Oxytocin
 This project will determine the separate and combined effects of oxytocin on the abuse-liability and experimental pain ratings of oxycodone compared to placebo.
 Total Costs: \$45,000.00

6. **UF CRISP Grant Award** PI: Robert F. Leeman 06/01/19-12/31/20
 Center for Research to Investigate Substance Use and Pain (CRISP)
 Title: Attentional Bias Retraining on Mobile Devices in Relation to Opioid Use, Pain, and Craving.
 This project will determine the role of attentional bias retraining on reductions in opioid use, craving, and pain.
 Role: Co-I
 Total Costs: \$45,000.00

COMPLETED RESEARCH SUPPORT

1. **UF Mowery Grant Award** Co-PI: Berry 01/05/19 - 01/05/2020
 Title: Combatting the Opioid Crisis with Aerobic Exercise: A Pilot Study
 This project will serve as pilot data collection for future studies to determine the effects of and acceptability of a supervised aerobic exercise program on sleep, stress, and biologically verified drug use outcomes among individuals currently utilizing opioid maintenance treatment (OMT).
 Total Costs: \$7,000

2. **Ruth L. Kirschstein National Research Service Award (NRSA)** 7/2015-7/2018
 Title: Human Behavioral Pharmacology of Substance Abuse,
 5T32DA007209-34
 Agencies: National Institutes of Health, National Institute on Drug Abuse
 Role: PI in conjunction with faculty sponsors Matthew W. Johnson, Ph.D.
 Total Costs: \$135,000.00

3. **NIH/NIDA/FDA/CTP R01DA042527** PI: Matthew W. Johnson 9/1/16-6/30/19
 Title: Dose-effects of Nicotine: Behavioral Economics of Cigarette Abuse Liability

This project determines the dose effects and abuse liability of reduced-nicotine cigarettes

Role: Postdoctoral Fellow

4. **NIH/NIDA R01DA035277** PI: Matthew W. Johnson 09/30/13-06/30/19
 Title: Development of a Prospective Memory Intervention to Reduce Drug Use and HIV Risk
 This project will develop a program for training prospective memory in opioid dependent individuals and determine its effects on delay discounting, drug use, and HIV risk behavior.
 Role: Postdoctoral Fellow

5. **NIH/NIDA R21DA036675** PI: Matthew W. Johnson 09/30/15-09/30/18
 Title: Effects of Oxytocin on the Human Abuse Liability of Methamphetamine
 This project examines oxytocin effects of methamphetamine abuse liability
 Role: Postdoctoral Fellow

6. **NIH/NCI R15CA186247** PI: Lucian G. Conway, III 12/01/15-12/01/18
 Title: Using Cognitive Complexity to Improve Smoking Interventions
 This project determines the effects of complexity thinking as a potential intervention for reducing cigarette smoking and delay discounting
 Role: Consultant

7. **NIH/NIDA R01DA029100** PI: Amy L. Odum 04/01/11-03/31/17
 Title: Understanding Delay Discounting in Cigarette Smokers
 This project examined the extent to which different types of outcomes are discounted in cigarette smokers and non-smokers, as well as how deprivation impacts delay discounting.
 Role: Graduate Research Assistant

SCHOLARSHIP AND FELLOWSHIP AWARDS

*Denotes Monetary Award

8/1/2014-5/1/2015

*Bertha Morton Scholarship

8/1/2014-5/1/2015

*College of Forestry and Conservation Scholarship

5/2014 & 11/2015

*Utah State University Open Access Funding Initiative Award

10/2014

*Scholarship for the Scientific Conference on the Greater Yellowstone Ecosystem

8/1/2012-5/1/2013

*National Science Foundation Interdisciplinary Ecology Fellowship Award

8/2012

*Center for Women and Gender Award

4/2011

*Dr. Ray Alvord Research Productivity Scholarship Award

12/2010

*Society for the Advancement of Behavior Analysis Master's Thesis Award

2003-2008

*Florida Bright Futures Scholarship

RESEARCH HONORS

8/2020

*B.F. Skinner New Researcher Award (Basic) on behalf of the B.F. Skinner Foundation and Division 25 of the American Psychological Association. This award honors innovative and important research in behavior analysis conducted by individuals who are within 10 years of receiving their doctorate.

8/2012

*Behavior Change for a Sustainable World - Excellence of Sustainable Concepts Poster Competition Winner

4/2010

Graduate Research Symposium Poster Competition Award Winner

PRESENTATION AND TRAVEL GRANT AWARDS

SABA Student Presenter Grant, 5/2010

USU First Author Student Travel Grant Award, 5/2010

USU First Author Student Travel Grant Award, 5/2011

USU First Author Student Travel Grant Award, 5/2012

NIDA Director's Travel Award, 4/2018

SERVICE TO PROFESSION

Program Chair Responsibilities - American Psychological Association Division 28 (Psychopharmacology and Substance Abuse) Program Chair for 2019 Annual Convention.

Editorial Responsibilities - Board of Editors: *Journal of the Experimental Analysis of Behavior* - 2017 to Present

Communications Responsibilities - Communications Director: Center for Behavioral Economic Health Research.

Ad hoc reviewer for - *Psychopharmacology; Drug and Alcohol Dependence; Addiction; Addiction Biology; Experimental and Clinical Psychopharmacology; Cognitive, Affective and Behavioral Neuroscience; Alcohol and Alcoholism; Alcohol: Clinical and*

Experimental Research; Nicotine and Tobacco Research; Biological Psychiatry; Psychoneuroendocrinology; Environment and Behavior; Journal of Behavioral Therapy and Experimental Psychiatry; AIDS and Behavior; PLoS One; The Psychological Record; Behavioural Processes; Wildlife Society Bulletin; Journal of the Experimental Analysis of Behavior; International Journal of Environmental Research and Public Health; Journal of Environmental Psychology; Behavior Analysis: Research and Practice; Psychology of Addictive Behaviors; Archives of Sexual Behavior; Journal of Acquired Immune Deficiency Syndromes; Journal of Substance Abuse Treatment

PRESS COVERAGE

**Each of the following popular press media articles are dedicated to my first author line of research examining the benefits of nature exposure on cognition and impulsive decision-making, as well as media coverage of a discussion of women in STEM that I was fortunate enough to be a part of.*

International Innovation - Disseminating Science, Research, and Technology - 2015

A Passion for Progress - Issue 171

Research Roundtable: Women in STEM, Balancing Plates, Leaking Pipelines and Smashing Through Glass Ceilings

<http://digimag.internationalinnovation.com//launch.aspx?eid=af600a28-7db4-4b4d-b902-4e474c03e641&pnum=78>

International Innovation - Disseminating Science, Research, and Technology - 2015

A Passion for Progress - Issue 171

Back to Basics

<http://digimag.internationalinnovation.com//launch.aspx?eid=af600a28-7db4-4b4d-b902-4e474c03e641&pnum=118>

The Huffington Post - 2015

"8 Fascinating Things We Learned about the Mind in 2015"

http://www.huffingtonpost.com/entry/mind-brain-research-2015_us_5671ac66e4b0dfd4bcc03848

Mental Floss Magazine - 2015

"6 Quirky Ways to Improve Brain Function"

<http://mentalfloss.com/article/70080/6-quirky-ways-improve-brain-function>

The Huffington Post - 2015

"Time in Nature Helps Curb Impulsivity and Boost Self-Control"

http://www.huffingtonpost.com/entry/nature-self-control-study_us_5644bc31e4b045bf3dedff9d

Scientific American - 2015

"Keep Impulses in Check by Looking at Nature"

<http://www.scientificamerican.com/article/keep-impulses-in-check-by-looking-at-nature/>

Pacific Standard Magazine - 2014

"Feeling Impulsive? Head for the Forest"

<http://www.psmag.com/books-and-culture/nature-benefits-outdoors-feeling-impulsive-head-forest-82984>

Fast Company Magazine - 2014

"A Quick Cure if You're Feeling Dangerously Impulsive: Look at Some Nature"

<http://www.fastcoexist.com/3032104/heres-an-idea/a-quick-cure-if-youre-feeling-dangerously-impulsive-look-at-some-nature>

PROFESSIONAL AFFILIATIONS

Association for Behavior Analysis International
Society for the Quantitative Analysis of Behavior
American Psychological Association
Society for Conservation Biology
College on Problems of Drug Dependence
International Study Group Investigating Drugs as Reinforcers
Center for Addiction Research and Education
Center for Behavioral Economic Health Research

CERTIFICATIONS

Natural Resource Conflict Resolution Certification (2015). This certification is designed to provide a working knowledge of theory and practice of collaboration and consensus building and resolving conflicts generally and specifically as they apply to natural resources and the environment.

VOLUNTEER SERVICES AND CONSULTING

National Forest Foundation - Coordinated and Facilitated National Virtual Peer Learning Sessions Discussing Natural Resource Collaboration and Conservation (August, 2013 - February, 2014, Volunteer).

Philadelphia Zoo: Analyzed data of perseverative bear pacing. Involved in enrichment program designed to provide novelty and reduce stereotypic pacing in Ben, the Asiatic black bear (Summer 2011, Consultant).

Florida Crow Delayed-Matching-to-Sample Development: Advisor and data analyst for developing a delayed-matching-to-sample task for crows in a Wildlife Reserve in Florida for generalization to more complex tasks (Summer 2011, Consultant).

Tracy Aviary - Collaborator in a research team to reduce problem behavior of children directed towards wildlife in the Aviary (Summer 2010, Consultant).

Sekyere Orphanage - Taught Science and English to Orphaned Children in Ghana, West Africa, Ashanti Region (May, 2008 - July 2008, Volunteer).

Behavioral Pharmacology Laboratory (2008-2009, Research assistant), Human Choice and Decision-Making Laboratory (2007-2009, Volunteer, Research Assistant). Severe Problem Behavior Laboratory (2007-2009, Behavior Program Manager).

TEACHING EXPERIENCE

Utah State University, University of Montana, University of Florida

(Representative teaching reviews below)

PSY 3400 - Advanced Behavior Analysis; Fall 2009, Fall 2010, Spring 2011
(Instructor of Record)

PSY 4420 - Cognitive Psychology; Spring 2010

NRSM 121 - Nature of Montana; Fall 2012

PTRM 110 - Introduction to Parks, Tourism and Recreation; Spring 2013

PTRM 300 - Recreation Behavior; Spring 2013

PTRM 217 - Managing Protected Areas; Fall 2014, Spring 2015

HSC 4950 - Behavioral Economics and Health, Fall 2019, Spring 2020

Comments

Please identify the instructor's strengths that contributed to your learning in the course.

Comments

By far the best course and professor I had this semester, or maybe even at UF in general. Provided clear guidelines, explained concepts in depth and responded to emails at the speed of light.

She was very enthusiastic about the course materials!

Interest in what she was teaching. She was a wonderful teacher who cared about her students.

Dr. Berry was an incredible teacher for this course. It was obvious that she was very knowledgeable about this topic. She used examples from her own research to help teach us. She created a laid back classroom environment to help us not feel incredibly stressed out. She was extremely willing to help out her students whenever we needed anything, literally anything. Her expectations of us were always clear and I felt extremely comfortable in her class. I was always excited to come to class every Tuesday and Thursday morning at 8:30.

Dr. Berry was very passionate and explained concepts really effectively. She also encouraged critical thinking and encouraged us to be involved.

The instructor does an amazing job at engaging students in discussion and creating an inclusive environment. She makes double block classes feel so short and even though attendance is not required I look forward to attending her class

The instructor listened to students concerns and questions which I think helped the course get better and better throughout the semester. The instructor uses a lot of real world examples and thoroughly explains readings and lectures.
