

SYDNEY BATCHELDER, PH.D., BCBA-D

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CURRENT POSITION

University of Vermont

June 2021-Present

Vermont Center on Behavior and Health
Center on Rural Addiction
National Institutes of Health Postdoctoral Research Fellow

EDUCATION

University of North Carolina Wilmington

August 2017-May 2021

Master of Arts in Psychology
Doctor of Philosophy in Psychology
Concentration: Applied Behavior Analysis

Eastern Connecticut State University

August 2013- May 2017

Bachelor of Science in Psychology
Concentration: Behavior Analysis

PUBLICATIONS

- Batchelder, S. R.**, & Washington, W. D. (Under Review). Demographic predictors of nicotine consumption as measured by the Experimental Tobacco Marketplace (ETM). *Substance Use & Misuse*.
- Van Camp, C., **Batchelder, S. R.**, & Helvey, C. I. (Accepted, pending revisions). Individual heart rate assessment and bout analysis of vigorous physical activity in children. *Journal of Applied Behavior Analysis*.
- Langford, J. S., **Batchelder, S. R.**, Haste, D. A., Thuman, E. P., Pitts, R. C., & Hughes, C. E. (2021). Effects of chlordiazepoxide on pausing during rich-to-lean transitions. *Journal of the Experimental Analysis of Behavior*.
- Batchelder, S. R.**, & Washington, W. D. (2021). Effects of incentives and prompts on sitting and walking behavior in university employees. *Behavior Analysis: Research and Practice Special Issue*.
- Cariveau, T., **Batchelder, S. R.**, Ball, S., & La Cruz Montilla, A. (2021). Review of methods to equate target sets in the Adapted Alternating Treatments Design. *Behavior Modification*. doi: 10.11177/0145445520903049

IN PREPARATION

- Batchelder, S. R.**, & Washington, W. D. (In preparation). Cigarette demand predicted by discrimination and knowledge of lung cancer risk. *Psychology of Addictive Behaviors Special Issue*.
- Batchelder, S. R.**, & Washington, W. D. (In preparation). Alternative reinforcement and cigarette demand in smokers. *Psychology of Addictive Behaviors Special Issue*.
- Batchelder, S. R.**, Van Heukelom, J. T., Washington, W. D., & Proctor, K. (In preparation). Increasing physical activity in adults with deposit contracts. *Journal of Applied Behavior Analysis*.
- Van Heukelom, J. T., **Batchelder, S. R.**, Washington, W. D., & Devoto, A. (In preparation). Intermittent reinforcement to increase walking behavior.
- Langford, J. S., **Batchelder, S. R.**, Hughes, C. E., & Pitts, R. C. (In preparation). Effects of methylphenidate on sensitivity to reinforcement amount, delay, and probability: Implications for impulsive and risky choice.
- Batchelder, S. R.**, Blejewski, R., Helvey, C. I., Hurtado, R., Pilgrim, C. (In preparation). Racial diversity composition, curriculum, resources, and atmosphere in Behavior Analysis graduate programs.
- Sigmon, S., Peck, K., **Batchelder, S. R.**, & Badger, G. (In preparation). Interim buprenorphine treatment for opioid use disorder in rural and urban samples.

PRESENTATIONS AND POSTERS

- Batchelder, S. R.**, Peck, K. R., Ochalek, T., Sigmon, S. C. (2022, June). mHealth intervention for improving HIV, Hepatitis C, and overdose knowledge among rural adults with opioid use disorder. Poster to be presented at the College for Problems on Drug Dependence, Minneapolis, MN.

- Batchelder, S. R.**, Wiley, R., Peck, K., & Sigmon, S. (2021, October). Characterizing smokers and non-smokers among opioid-dependent individuals seeking treatment. Poster presented at the Vermont Center on Behavior and Health Annual Conference, Virtual.
- Batchelder, S. R.**, Peck, K., & Sigmon, S. (2021, July). Interim Buprenorphine Treatment: Expanded over 6 months to a rural population. Poster presented at the Vermont Center on Behavior and Health Annual Trainee Retreat, Virtual.
- Batchelder, S. R.**, Krumov, Y., Newburg, J., Haberman, A., Bigelow, D., & Washington, W. D. (2021, May). Assessing demand for cigarettes and substitutes in African American/Black and White smokers. Poster presented at the Association for Behavior Analysis International, Virtual.
- Krumov, Y., **Batchelder, S. R.**, Newburg, J., Haberman, A., Reynolds, H., Bigelow, D., & Washington, W. D. (2021, May). Hypothetical Purchase Tasks of behavioral treatments for children. Poster presented at the Association for Behavior Analysis International, Virtual.
- Newburg, J., **Batchelder, S. R.**, Krumov, Y., Bigelow, D., Reynolds, H., Haberman, A., & Washington, W. D. (2021, May). Characterizing and Reducing Rate and Duration of Face Touching in Adults Through Simplified Habit Reversal.
- Blejewski, R., **Batchelder, S. R.**, Hurtado, R., Helvey, C., Pilgrim, C. (2021, May). Student views on racial diversity in Behavior Analysis graduate programs: Curriculum, composition, and application process. Poster presented at the Association for Behavior Analysis International, Virtual.
- Helvey, C., Hurtado, R., **Batchelder, S. R.**, Blejewski, R., Pilgrim, C. (2021, May). Student views on racial diversity in Behavior Analysis graduate programs: Resources and atmosphere. Poster presented at the Association for Behavior Analysis International, Virtual.
- Thuman, E., Langford, J. S., **Batchelder, S. R.**, Haste, D. A., Pitts, R. C., & Hughes, C. E. (2021, May). Effects of chlordiazepoxide on pausing during rich-to-lean transitions. Poster presented at the Association for Behavior Analysis International, Virtual.
- Batchelder, S. R.**, Van Camp, C., & Irwin, C. (2020, May). Bout analysis alternating vigorous physical activity with light and moderate activity. Oral presentation given at the Association for Behavior Analysis International, Washington DC.
- Batchelder, S. R.**, Krumov, Y., Newburg, J., Garcia, A., Smithley, M., Rowland, C., Knisley, M., & Washington, W. D. (2019, October). Effects of hourly monetary incentives and prompts on physical activity in university employees. Poster presented at the Southeastern Association for Behavior Analysis, Richmond, VA.
- Batchelder, S. R.** & Washington, W. D. (2019, May). Effects of reinforcement and prompts to reduce sedentary behavior in university employees. Oral presentation given at the Association for Behavior Analysis International, Chicago, IL.
- Hester, J. B., Cariveau, T., **Batchelder, S. R.**, Ball, S., & La Cruz Montilla, A. (2019, May). Equating target sets in the adapted alternating treatments design: A review of methods and recommendations. Poster presented at the Association for Behavior Analysis International, Chicago, IL.
- Batchelder, S. R.**, Washington, W. D., Krumov, Y., Garcia, A., Washington, C., Smithley, M., & Hoyt, K. (2019, February). Reducing sedentary behavior in university employees with reinforcement and prompts. Poster presented at the North Carolina Association for Behavior Analysis, Winston-Salem, NC.
- Winbourne, H., **Batchelder, S. R.**, & Washington, W. D. (2018, November). Examining ADHD symptoms and puff preference in nonusers, smokers, electronic cigarette users, and dual users. Poster presented at the Association for Behavior Analysis International Substance Use and Addiction Conference, Washington, DC.
- Washington, W. D. & **Batchelder, S. R.** (2018, May). Are the CDC's recommendations for physical activity adequate? The relationship between reinforcing daily step counts and sedentary behavior. Oral presentation given at the Association for Behavior Analysis International, San Diego, CA.
- Ray, K., Davis, K., Proctor, K., Reynolds, C., Brown, J., Newburg, J., **Batchelder, S. R.**, Donlin Washington, W. (2018, February). Increasing physical activity in adults with deposit contracts. Poster presented at the North Carolina Association for Behavior Analysis, Winston-Salem, NC.
- Batchelder, S. R.** (2017, April). Familiarity and reinforcement interact to predict performance in the presence of others. Oral presentation at the National Council for Undergraduate Research, Memphis, TN.
- Batchelder, S. R.** (2017, April). Intrinsic and extrinsic motivation as predictors of anxiety and depression. Poster presented at the National Council for Undergraduate Research, Memphis, TN.

Batchelder, S. R., Scrivano, R., Daneault, A., Krumov, Y., Giunetti, G. W., & Scisco, J. L. (2016, October). The impact of face-to-face vs. cyber-incivility on task performance and eating behavior. Poster presented at the Annual Meeting of the New England Psychological Association, Worcester, MA.

SERVICE

Depman, M. (2022, January). Tools to Increase COVID-19 Vaccine Uptake: Substance Use Disorder Populations in Rural Communities. Community Rounds Webinar chaired for the Center on Rural Addiction, University of Vermont, Burlington, VT.

Batchelder, S. R. (2019, February). Student Symposium. Symposium chaired at the North Carolina Association for Behavior Analysis, Winston-Salem, NC.

AD HOC JOURNAL REVIEWS

Journal of Economic Psychology

Journal of the Experimental Analysis of Behavior

Behavior Analysis: Research and Practice

Perspectives on Behavior Science (Assisted)

Journal of Contextual Behavioral Science (Assisted)

RESEARCH EXPERIENCE

- 2021-Present **Research Fellow**, Vermont Center on Behavior and Health, University of Vermont, Burlington, VT
Manage research personnel, clinical decision-making, data entry, and analysis in randomized controlled trial for interim buprenorphine treatment in people with opioid-use disorder not currently enrolled in treatment. Developing a meal-delivery intervention for food insecurity in people with opioid use disorder on medication maintenance.
 Mentor: Stacey Sigmon, Ph.D.
- 2021-Present **Implementation Research Collaborator**, Center on Rural Addiction, Vermont Center on Behavior and Health, University of Vermont, Burlington, VT
Developing methods for dissemination of COVID-19 vaccination information in rural populations with opioid use disorder and formulating a pilot project to provide incentives contingent on vaccination in people with opioid use disorder on medication maintenance.
 Mentor: Stacey Sigmon, Ph.D.
- 2020-2021 **Research Practicum Student**, Experimental Analysis of Behavior Laboratory, University of North Carolina Wilmington, Wilmington, NC
Handled, cared for, and ran rats and pigeons in the operant laboratory. Studies include oxycodone's effect on sensitivity to amount and delay of reinforcement, rich to lean transitions, and methylphenidate's effect on sensitivity to amount, delay, and probability of reinforcement in pigeons.
 Faculty Advisors: Raymond Pitts, Ph.D. and Christine Hughes, Ph.D.
- 2020-2021 **Dissertation, Principal Investigator: Assessing demand for cigarettes and substitutes in Black/African American and white smokers**
 Faculty Advisor: Wendy Donlin Washington, Ph.D.
- 2020-2021 **Racial Diversity Practicum**, University of North Carolina Wilmington, Wilmington, NC
Work with other Ph.D. students to create a survey evaluating Behavior Analysis Programs in the United States on their racial diversity composition and preferred methods of increasing racial diversity.
 Faculty Advisor: Carol Pilgrim, Ph.D.
- 2018-2019 **Master's Thesis, Principal Investigator: Effects of monetary incentives and prompts on sedentary behavior in university employees**
 Faculty Advisor: Wendy Donlin Washington, Ph.D.
- 2017-2021 **Graduate Research Assistant**, Health Behavior Laboratory, University of North Carolina Wilmington, Wilmington, NC

	<i>Conducted research projects including the use of contingency management to increase walking behavior in sedentary individuals and the understanding of behavioral economics in individuals who smoke, use electronic cigarettes, and non-smokers.</i>
	Faculty Advisor: Wendy Donlin Washington, Ph.D.
2016-2017	Research Assistant , Behavioral Laboratory of Emotion and Psychophysiology, Eastern Connecticut State University, Willimantic, CT
	Faculty Advisor: Kristalyn Salters-Pedneault, Ph.D., LP
2015-2017	Honors Thesis, Principal Investigator: Familiarity and reinforcement interact to predict performance in the presence of others
	Faculty Advisor: Jenna Scisco, Ph.D.
2015-2017	Research Assistant , Health and Human Performance Laboratory, Eastern Connecticut State University, Willimantic CT
	Faculty Advisor: Jenna Scisco, Ph. D.
2015	Summer Research Institute , Eastern Connecticut State University, Willimantic CT

FUNDING

May 2020-May 2021	Innovative Student Research Dissertation Grant , Society for the Advancement of Behavior Analysis, Association for Behavior Analysis International <i>Behavioral economic assessment of Black and White smokers' cigarette and nicotine alternative demand.</i> \$3,000 Principal Investigator: Sydney Batchelder, Ph.D., BCBA-D
July 2016-May 2017	Honors Thesis Enhancement Grant , Eastern Connecticut State University, Willimantic CT <i>Reinforcement and familiarity interact to predict performance in the presence of others.</i> \$1,000 Principal Investigator: Sydney Batchelder, Ph.D., BCBA-D

SUPERVISION EXPERIENCE

June 2020-2021	Practicum Supervision , Health Behavior Laboratory, University of North Carolina Wilmington, Wilmington, NC <i>1 Graduate student accruing BCBA hours</i> Supervision Supervisor: Carole Van Camp, Ph.D., BCBA-D
July 2020-2021	Teaching with Behavior Analysis Supervision , Lifespan Human Development, University of North Carolina Wilmington, Wilmington, NC <i>1 Graduate student accruing BCBA hours</i> Supervision Supervisor: Carole Van Camp, Ph.D., BCBA-D

ACADEMIC EXPERIENCE

2021	Instructor , Learning and Behavior Change, University of North Carolina Wilmington, Wilmington, NC
2021	Instructor , Honors Lifespan Human Development, University of North Carolina Wilmington, Wilmington, NC
2019-2021	Instructor , Lifespan Human Development, University of North Carolina Wilmington, Wilmington, NC
2019-2020	Instructor , Psychology as a Science and Career, University of North Carolina Wilmington, Wilmington, NC
2017-2019	Graduate Teaching Assistant , Experimental Psychology, University of North Carolina Wilmington, Wilmington, NC
2017	Independent Study: Police Coercion as a Form of Structural Violence , Anthropology Department Faculty Advisor: Mary Kenny, Ph.D.
2016	Teaching Assistant , Principals of Learning, Eastern Connecticut State University, Willimantic, CT

2015-2017	Faculty Advisor: James Diller, Ph.D., BCBA-D, LBA Psychology Subject Tutor , Academic Services Center, Eastern Connecticut State University, Willimantic CT
2015	Teaching Assistant , Research Methods I, Eastern Connecticut State University, Willimantic CT Faculty Advisor: Carlos Escoto, Ph.D.

CLINICAL EXPERIENCE

2019-2020	Practicum Student , Translational and Applied Behavioral Science Laboratory, University of North Carolina Wilmington, Wilmington, NC <i>Collected data, implemented behavioral treatments, and interpreted physical activity data in children at an after-school program.</i> Practicum Supervisor: Carole Van Camp, Ph.D., BCBA-D
January-July 2019	Practicum Student , Pediatric Feeding Disorders Program, Center for Pediatric Behavioral Health, Wilmington, NC <i>Collected data, implemented behavioral treatments, interpreted data, conducted and observed initial patient evaluations in the context of feeding disorders.</i> Practicum Supervisor: Melanie Bachmeyer, Ph.D., BCBA-D, LP
May-December 2018	Practicum Student , Early Skill Acquisition Program, Center for Pediatric Behavioral Health, Wilmington, NC <i>Collected data, implemented behavioral treatments, interpreted data, and engaged in discussions about changes to treatment and behavioral mechanisms in the context of early intervention.</i> Practicum Supervisor: Tom Cariveau, Ph.D., BCBA-D, LP
January-May 2016	Intern , Advanced Behavioral Care LLC, Bristol, CT <i>Developed rapport with a developmentally disabled client, designed a treatment plan for a behavior of interest, integrated treatment plan into the client's current behavioral support plan, and recorded data and progress.</i> Intern Supervisor: Ian Burruss, BCBA

PROFESSIONAL CERTIFICATIONS

2021-Present	Good Clinical Practice for Clinical Trials with Investigational Drugs and Medical Devices (U.S. FDA Focus) , Collaborative Institution Training Initiative (CITI)
2020-Present	Certification for Working with the IACUC , Collaborative Institution Training Initiative (CITI)
2020-Present	8 Hour Supervision Training , Behavior Analyst Certification Board
2021-Present	Board-Certified Behavior Analyst-Doctoral Level , Behavior Analyst Certification Board
2020-Present	Board-Certified Behavior Analyst , Behavior Analyst Certification Board
2018-Present	Certification for Information Privacy Security , Collaborative Institution Training Initiative (CITI)
2018-Present	Safety-Care Training , Safety-Care
2018-2020	Adult and Child First Aid/CPR/AED Certification , American Red Cross
2017-Present	Certification for Human Subjects Research , Collaborative Institution Training Initiative (CITI)
2014-2017	Certification of Protecting Human Research Participants , National Institutes of Health

SPECIALIZED SKILLS

General Data Analysis

- SPSS
- Microsoft Excel
- R Studio
 - Packages: *ggplot2, overlapping, overlap, YARRR (pirate plots), beezdemand, psych, quantpsych, geepack*
- G Power
- Qualtrics, Survey Monkey, Amazon Mechanical Turk, Rybbon
- GraphPad Prism

ACADEMIC HONORS AND AWARDS

2018-2019	Student Representative , North Carolina Association for Behavior Analysis, NC
2017	Graduate Student of the Month , University of North Carolina Wilmington, NC
2016-2017	Psi Chi E-board President , Eastern Connecticut State University, Willimantic CT
2014-Present	Psi Chi National Honors Society , Eastern Connecticut State University, Willimantic CT
2013-2017	Dean's List , Eastern Connecticut State University, Willimantic CT
2013-2017	Honors Program , Eastern Connecticut State University, Willimantic CT

COMMUNITY SERVICE

2021	Burlington Pride Parade, Burlington, VT
2021	Dragon Boat Festival, DragonHeart, VT
2018-2019	Autism Takes Flight, Wilmington International Airport, NC
2018-2019	Student Volunteer, North Carolina Association for Behavior Analysis, NC
2013-2014	Lyon Manor, Willington CT
2013-2014	St. Joseph's Elderly Home, Willimantic CT
2013-2014	Covenant Soup Kitchen, Willimantic CT