

SYDNEY BATCHELDER, PH.D., BCBA

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CURRENT POSITION

University of Vermont, Vermont Center on Behavior and Health
NIH Postdoctoral Research Fellow

June 2021-Present

EDUCATION

University of North Carolina Wilmington

Master of Arts in Psychology

Graduated December 2019

Doctor of Philosophy in Psychology

Graduated May 2021

Concentration: Applied Behavior Analysis

Eastern Connecticut State University

Bachelor of Science in Psychology

Graduated May 2017

Concentration: Behavior Analysis

PUBLICATIONS

Van Camp, C., **Batchelder, S. R.**, & Helvey, C. I. (Under Review). Bout analysis alternating vigorous physical activity with light activity. *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). Demographic predictors of nicotine consumption as measured by the Experimental Tobacco Marketplace (ETM). *Nicotine & Tobacco Research*.

Batchelder, S. R. & Washington, W. D. (In preparation). Cigarette demand predicted by discrimination and knowledge of lung cancer risk.

Batchelder, S. R., Washington, W. D., & Proctor, K. (In preparation). Increasing physical activity in adults with deposit contracts.

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.

PRESENTATIONS AND POSTERS

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

JOURNAL REVIEWS

- Examining the Effects of a Fitbit® Treatment Package on the Physical Activity for Adults with Intellectual Disabilities. (2021, January). *Behavior Analysis: Research and Practice*.
- Conjugate Reinforcement Enhances Running Speed and Adjunctively Improves Cadence for Leisure Runners. (2020, May). *Behavior Analysis: Research and Practice*.
- Healthy Eating: Approaching the Selection, Preparation, and Consumption of Healthy Food as Choice Behavior. (2018, August assisted). *Perspectives on Behavior Science*.
- Acceptance and Commitment Therapy for Military-Related Moral Injury: Conceptual Exploration and Pilot Data. (2016, September assisted). *Journal of Contextual Behavioral Science*.

RESEARCH EXPERIENCE

- 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**
Developed and proposed a research study examining the behavioral economic demand for cigarettes and nicotine alternatives in both Black and white smokers. 350 participants were recruited via Amazon Mechanical Turk.
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**
Developed and proposed a research study examining the role of antecedents and consequences on sedentary behavior.
Faculty Advisor: Wendy Donlin Washington, Ph.D.
- 2017-2021 **Graduate Research Assistant**, Health Behavior Laboratory, University of North Carolina Wilmington, Wilmington, NC
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.
Faculty Advisor: Wendy Donlin Washington, Ph.D.
- 2016-2017 **Research Assistant**, Behavioral Laboratory of Emotion and Psychophysiology, Eastern Connecticut State University, Willimantic, CT
Collected psychophysiological data, designed study methodology, and cooperated with other students to complete research.
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**
Developed and proposed a research study examining the role of familiarity and reinforcement on social facilitation.
Faculty Advisor: Jenna Scisco, Ph.D.
- 2015-2017 **Research Assistant**, Health and Human Performance Laboratory, Eastern Connecticut State University, Willimantic CT
Reviewed literature on incivility, performance, and food, designed study methodology, and cooperated with other students to complete research.
Faculty Advisor: Jenna Scisco, Ph. D.
- 2015 **Summer Research Institute**, Eastern Connecticut State University, Willimantic CT
Learned about the process of developing research studies and conducted research using physiological measures.

FUNDING

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

SUPERVISION EXPERIENCE

- June 2020-2021 **Practicum Supervision**, Health Behavior Laboratory, University of North Carolina Wilmington, Wilmington, NC
1 Graduate student accruing BCBA hours
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
1 Graduate student accruing BCBA hours
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
Assisted in writing and grading exams, graded and provided feedback on term papers, assisted with classroom activities, and taught lectures.
- 2017 **Independent Study: Police Coercion as a Form of Structural Violence**, Anthropology Department
Literature review of past research regarding police coercion and false confessions provided context for how methods of interrogation can influence people's behavior.
Faculty Advisor: Mary Kenny, Ph.D.
- 2016 **Teaching Assistant**, Principals of Learning, Eastern Connecticut State University, Willimantic, CT
Corrected and graded weekly assignments, assisted with classroom activities, held weekly office hours, and taught one class.
Faculty Advisor: James Diller, Ph.D., BCBA-D
- 2015-2017 **Psychology Subject Tutor**, Academic Services Center, Eastern Connecticut State University, Willimantic CT
Helped students with their work in Psychology classes, rephrased information that they did not understand, clarified psychological terms and APA style.
- 2015 **Teaching Assistant**, Research Methods I, Eastern Connecticut State University, Willimantic CT
Created answer keys, corrected and graded quizzes and assignments, assisted with classroom activities.
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
Collected data, implemented behavioral treatments, and interpreted physical activity data in children at an after-school program.
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
Collected data, implemented behavioral treatments, interpreted data, conducted and observed initial patient evaluations in the context of feeding disorders.
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
Collected data, implemented behavioral treatments, interpreted data, and engaged in discussions about changes to treatment and behavioral mechanisms in the context of early intervention.
Practicum Supervisor: Tom Cariveau, Ph.D., BCBA-D, LP
- January-May 2016 **Intern**, Advanced Behavioral Care LLC, Bristol, CT
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.
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
- 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*
- G Power
- Qualtrics
- 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	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