

Tyler G. Erath, Ph.D.
Curriculum Vitae, January 2022

Personal Information

NIH Postdoctoral Research Fellow
Vermont Center on Behavior and Health
University of Vermont
1 South Prospect St
Burlington, VT 05401

Email: tyler.erath@uvm.edu

Specialization

Behavior analysis, behavioral health, contingency management

Education

- Ph.D. Behavioral Psychology, 2021
University of Kansas, Lawrence, KS
Advisor: Florence D. DiGennaro Reed, Ph.D., BCBA-D
Dissertation: "Technology-Based Contingency Management for Walking to Prevent Prolonged Periods of Sitting in the Workplace"
- M.A. Experimental Psychology, 2016
Appalachian State University, Boone, NC
Advisor: Cynthia M. Anderson, Ph.D., BCBA-D
- B.S. Psychology, Business Concentration, 2013
Appalachian State University, Boone, NC
Magna Cum Laude

Awards and Honors

- Baer, Wolf, and Risley Outstanding Graduate Student Award, 2021
Department of Applied Behavioral Science, University of Kansas
- Distinguished Scholar, 2018 – 2021
Cambridge Center for Behavioral Studies
- B.F. Skinner Foundation Student Research Award, 2020
Berkshire Association for Behavior Analysis and Therapy

Scholarly Activity

Manuscripts (Peer Reviewed)

- Erath, T. G.**, & DiGennaro Reed, F. D. (accepted). Technology-based contingency management for walking to decrease prolonged periods of workday sitting. *Journal of Applied Behavior Analysis*.
- Blackman, A. L., Ruby, S. A., Bartle, G., DiGennaro Reed, F. D., Strouse, M., **Erath, T. G.**, & Leon-Barrajas, M. (accepted). Effects of a systems-level intervention to improve trainer integrity in a behavioral healthcare organization. *Advances in Neurodevelopmental Disabilities*.
- Blackman, A. L., Novak, M. D., DiGennaro Reed, F. D., & **Erath, T. G.** (2021). The efficacy of variations of observation and data recording on trainee performance. *Journal of Organizational Behavior Management*. Advance online publication.
- Erath, T. G.**, DiGennaro Reed, F. D., & Blackman, A. L. (2021). Training human service staff to implement behavioral skills training using a video-based intervention. *Journal of Applied Behavior Analysis*, 54(3), 1251–1264. <https://doi.org/10.1002/jaba.827>
- Erath, T. G.**, Pellegrino, A. J., DiGennaro Reed, F. D., Ruby, S. A., Blackman, A. L., & Novak, M. D. (2021). Experimental research methodologies in organizational behavior management. *Journal of Organizational Behavior Management* (invited), 41(2), 150–181. <https://doi.org/10.1080/01608061.2020.1869137>
- Gelino, B. W., **Erath, T. G.**, & Reed, D. D. (2021). Green living: A systematic review of pro-environmental empirical research in behavior analysis. *Behavior and Social Issues*. Advance online publication. <https://doi.org/10.1007/s42822-020-00043-x>
- Erath, T. G.**, & DiGennaro Reed, F. D. (2020). A brief review of technology-based antecedent training procedures. *Journal of Applied Behavior Analysis*, 53(2), 1162–1169. <https://doi.org/10.1002/jaba.633>
- Erath, T. G.**, DiGennaro Reed, F. D., Sundermeyer, H. W., Brand, D., Novak, M. D., Harbison, M., & Shears, R. (2020). Enhancing the training integrity of human service staff using pyramidal behavioral skills training. *Journal of Applied Behavior Analysis*, 53(1), 449–464. <https://doi.org/10.1002/jaba.608>
- Novak, M. D., Blackman, A. L., **Erath, T. G.**, & DiGennaro Reed, F. D. (2020). Operant renewal of desirable behavior in a simulated workplace: A translational model. *Journal of the Experimental Analysis of Behavior*, 113(1), 172–186. <https://doi.org/10.1002/jeab.566>
- Brand, D., DiGennaro Reed, F. D., Morley, M. D., **Erath, T. G.**, & Novak, M. D. (2020). A Survey Assessing Privacy Concerns of Smart-Home Services Provided to Individuals

with Disabilities. *Behavior Analysis in Practice*, 13(1), 11–21.
<https://doi.org/10.1007/s40617-018-00329-y>

Novak, M. D., DiGennaro Reed, F. D., **Erath, T. G.**, Blackman, A. L., Ruby, S. A. & Pellegrino, A. J. (2019). Evidence-based performance management: Applying behavioral science to support practitioners. *Perspectives on Behavior Science*, 42(4), 955–972. <https://doi.org/10.1007/s40614-019-00232-z>

DiGennaro Reed, F. D., Blackman, A. L., **Erath, T. G.**, Brand, D., & Novak, M. D. (2018). Guidelines for using behavioral skills training to provide teacher support. *Teaching Exceptional Children*, 50, 373-380. <https://doi.org/10.1177/0040059918777241>

Book Chapters

DiGennaro Reed, F. D., Blackman, A. L., **Erath, T. G.**, Ruby, S. A., Pellegrino, A. J., Walker, B., & Novak, M. D (2021). Advancing organizational behavior management practice and research within intellectual and developmental disability service settings. In J. K. Luiselli, R. M. Gardner, F. L. Bird, & H. Maguire (Eds.), *Organizational Behavior Management Approaches for Intellectual and Developmental Disabilities*. (Invited)

Gelino, B. W., **Erath, T. G.**, Seniuk, H. A., Luke, M. M., Berry, M. S., Fuqua, R. W., & Reed, D. D. (2020). Sustainability: A behavior analytic approach. In M. A. Mattaini & T. M. Cihon (Eds.), *Behavior Science Perspectives on Culture and Community*. Springer.

DiGennaro Reed, F. D., **Erath, T. G.**, Brand, D., & Novak, M. (2019). Video modeling during coaching and performance feedback. Video modeling during coaching and performance feedback. In A. J. Fischer, T. A. Collins, E. H. Dart, & K. C. Radley (Eds.), *Technology applications in school consultation, supervision, and school psychology training* (pp. 46–61). Routledge.

DiGennaro Reed, F. D., Novak, M. D., **Erath, T. G.**, Brand, D., & Henley, A. J. (2018). Pinpointing and measuring employee behavior. In B. Wine & J. Pritchard (Eds.), *Organizational behavior management: The essentials* (pp. 143–168). Hedgehog Publishers.

Manuscripts Under Review

Higgins, S. T., **Erath, T. G.**, DeSarno, M., Gaalema, D. E., Levanthal, A. M., Sigmon, S. C., Heil, S. H., & Tidey, J. W. (under review). Leveraging the cigarette purchase task to understand relationships between cumulative vulnerabilities, the relative reinforcing effects of smoking, and response to reduced nicotine content cigarettes. *Journal TBD*.

Schulz, J. A., Hall, J. P., & **Erath, T.G.** (under review). Training the peer workforce: A scoping review. *Psychiatric Rehabilitation Journal*

Manuscripts in Preparation

Erath, T. G., Higgins, S. T., Klemperer, E. M., Browning, K. O., & Evemy, C. G. (in preparation). Innovations in tobacco control and regulatory science for cigarette smoking in Preventive Medicine: A review of 50 years of research. *Preventive Medicine*.

Erath, T. G., DiGennaro Reed, F. D., & Schultz, J. A. (in preparation). A systematic review of behavior-analytic interventions targeting physical activity and sedentary behavior with adults. *Behavior Analysis Research and Practice*.

Wagener, T. L., Mehta, T., Hinton, A., Schulz, J. A., **Erath, T. G.**, Tidey, J., & Villanti, A. C. (in preparation). Addiction potential of combustible menthol cigarette alternatives: A randomized clinical trial. *Journal TBD*.

Villanti, A. C., Wagener, T. L., Mehta, T., Schulz, J. A., **Erath, T. G.**, & Hinton, A. (in preparation). Substitutability of combustible menthol cigarette alternatives: A randomized clinical trial. *Journal TBD*.

Schulz, J. A., **Erath, T. G.**, Novak, M. D., Mehta, T., Hinton, A., Villanti, A. C., & Wagener, T. L. (in preparation). Predictors of behavioral economic substitutability of alternative tobacco products for menthol cigarettes.

Blackman, A. L., **Erath, T. G.**, DiGennaro Reed, F. D., & Henley, A. J. (in preparation). A survey of staff training and performance management practices: Recent advancements and training considerations. *Behavior Analysis in Practice*.

Current Projects

Erath, T. G., Rawson, R., & Higgins, S. T. (in progress). Contingency management for stimulant use amongst individuals participating in a syringe exchange program in a low-barrier community clinic.

Erath, T. G., Higgins, S. T., Wagener, T. L., & Browning, K. O. (in progress). Comparing the Abuse Potential of IQOS, JUUL, and Cigarettes in Cigarette Smokers.

Professional Presentations

Presentations

Erath, T. G., Higgins, S. T., DeSarno, M., Gaalema, D. E., Leventhal, A. M., Sigmon, S. C., Heil, S. H., & Tidey, J. W. (2021, October). A Behavioral-economic Examination of Differences in the Relative Reinforcing Value of Cigarette Smoking Among those with Cumulative Vulnerabilities. Vermont Center on Behavior and Health 9th Annual Conference, Virtual.

Erath, T. G. (2021, July). Remote Technology-Based Contingency Management to Increase Workday Walking and Decrease Prolonged Periods of Sitting. Vermont Center on Behavior and Health Annual Trainee Retreat, Virtual.

Novak, M. D., Blackman, A. L., **Erath, T. G.**, & DiGennaro Reed, F. D. (2021, May). Operant renewal of desirable behavior in a simulated workplace: A translational model. In M. D. Keevy (Chair), *Extending the renewal literature through basic and translational research*. Association for Behavior Analysis International Annual Convention, Virtual.

Gelino, B. W., **Erath, T. G.**, & Reed, D. D. (2020, May). Taking our seat at the table: Behavior analysis and the advancement of global sustainability. In R. F. Rakos (Chair), *We ARE acting to save the world: Behavior analysis addresses systems-level problems*. Association for Behavior Analysis International Annual Convention, Virtual.

Blackman, A. L., Novak, M. D., **Erath, T. G.**, & DiGennaro Reed, F. D. (2020, May [Symposium canceled]). Operant renewal of desirable behavior in a simulated workplace: A translational model. In S. D. Haney (Chair), *Translational and applied investigations of renewal*. Association for Behavior Analysis International Annual Convention, Washington, DC, United States.

Novak, M. D., Blackman, A. L., **Erath, T. G.**, & DiGennaro Reed, F. D. (2020, May [Symposium canceled]). Operant renewal of desirable behavior in a simulated workplace: A translational model. In M. D. Keevy (Chair), *Extending the renewal literature through basic and translational research*. Association for Behavior Analysis International Annual Convention, Washington, DC, United States.

Erath, T. G., DiGennaro Reed, F. D., & Blackman, A. L. (2019, May). Increasing the training repertoires of human service staff using a technology-based intervention. In S. Ruby (Chair), *Recent Advancements in Treatment Integrity Assessment and Intervention*. Association for Behavior Analysis International Annual Convention, Chicago, IL, United States.

Blackman, A. L., Novak, M. D., **Erath, T. G.**, Gallagher, R., & DiGennaro Reed, F. D. (2019, May). The impact of variations in training on the observer effect. In R. Carroll (Chair), *Technological advances in staff training*. Symposium presented at the 45th annual Association of Applied Behavior Analysis International Conference, Chicago, IL.

Brand, D., DiGennaro Reed, F. D., Morley, M. D., **Erath, T. G.**, & Novak, M. D. (2019, May). A survey assessing privacy concerns of smart-home services provided to adults with disabilities. In M. Passage (Chair), *Exploring the role of technology in behavior analysis*. Symposium presented at the 45th annual Association of Applied Behavior Analysis International Conference, Chicago, IL.

Erath, T. G., DiGennaro Reed, F. D., Sundermeyer, H. W., Brand, D., Novak, M. D., & Harbison, M. (2018, May). Enhancing the fidelity of in-home training by novice trainers using pyramidal behavioral skills training. In D. Brand (Chair), *Novel applications of behavior analytic training procedures*. Symposium presented at the 44th Annual Convention of the Association for Behavior Analysis International, San Diego, CA.

Erath, T. G., DiGennaro Reed, F. D., Sundermeyer, H. W., Brand, D., Novak, M. D., & Harbison, M. (2017, October). Increasing the accuracy of behavioral skills training by novice trainers using antecedent training procedures. In F. D. DiGennaro Reed (Chair). *Basic to applied research in organizational behavior management*. Symposium presented at the 38th Annual Conference of the Berkshire Association for Behavior Analysis and Therapy, Amherst, MA.

Workshops

DiGennaro Reed, F. D., **Erath, T. G.**, & Novak, M. D. (2018, May). *Using behavioral science to produce organizational change*. Workshop presented at the Annual Convention of the Association for Behavior Analysis International, San Diego, CA.

Erath, T. G., DiGennaro Reed, F. D., & Price, J. D. (2017, April). *Using behavioral science to produce organizational change*. Invited workshop presented at the Missouri Intellectual and Developmental Disabilities Providers Summit, Jefferson City, MO.

Poster Presentations

***Erath, T. G.**, Blackman, A. L., & DiGennaro Reed, F. D. (2019, October). Improving the Training Repertoires of Human Service Staff Using a Technology-Based Intervention. Poster presented at Mid-American Association for Behavior Analysis Conference, Omaha, NE.

*Poster award: Best overall poster ($n = 50$)

Blackman, A. L., Novak, M. D., **Erath, T. G.**, & DiGennaro Reed, F. D. (2019, October). Operant renewal of desirable behavior in a simulated workplace: A translational model. Poster presented at Mid-American Association for Behavior Analysis Conference, Omaha, NE.

Blackman, A. L., Novak, M. D., **Erath, T. G.**, Gallagher, R. W., & DiGennaro Reed, F. D. (2018, September). Efficacy of variations of the observer effect on trainee performance. Poster presented at Mid-American Association for Behavior Analysis Conference, Normal, IL.

Erath, T. G., & DiGennaro Reed, F. D. (2018, March) *Performance management center quality assurance indices*. Poster presented at the Annual Board of Directors Meeting for Community Living Opportunities, Overland Park, KS.

- Kanamana, N. A., Dozier, C. L., Kamana, B. U., Markowitz, A. M., Harrison, K. L., Bernstein, A. M., ... **Erath, T. G.** (2018, March). *Increasing staff healthy-behavioral practices in residential and day-program environments for adults diagnosed with IDD: A large scale study*. Poster presented at the Annual Board of Directors Meeting for Community Living Opportunities, Overland Park, KS.
- Brand, D., DiGennaro Reed, F. D., Bricker, J. N., **Erath, T. G.**, Novak, M. D., & Andrews, R. D. (2017, November). *Effects of antecedent-only training on service recipients' use of technology in smart homes*. Poster presented at the annual meeting of the Mid-American Association for Behavior Analysis, Milwaukee, WI.
- Erath, T. G.**, DiGennaro Reed, F. D., Sundermeyer, H. W., Harbison, M., Brand, D., Novak, M. D., & Shears, R. (2017, September). *Enhancing the efficacy of in-home training provided by residential supervisors*. Poster presented at the Semi-Annual Board of Directors Meeting for Community Living Opportunities, Lawrence, KS.
- Erath, T. G.**, & Anderson, C.M. (2016, February). *Acceptance-based interventions for direct care staff: An assessment of need*. Poster presented at the 27th Annual Conference of the North Carolina Association for Behavior Analysis, Wilmington, NC.
- Steele, K. M., Rash, L., Kimura, N., **Erath, T. G.**, Tobin, P., Gray, J., & Lusk, C. (2014, May). Does the color red reduce snack food consumption? Poster presented at the 26th annual meeting of the Association for Psychological Science, San Francisco, CA.
- Steele, K. M., Butts, A., **Erath, T. G.**, Gray, J., Kimura, N., Marger, S., Tobin, P., & Wray, A. (2013, May). Failure to replicate the Mehta and Zhu (2009) color effect. Poster presented at the 25th annual meeting of the Association for Psychological Science.

Symposia Chair

- Chair (2017, May). Fostering professional skills and service quality: Recent advancements in pre-intervention assessment in human services. Symposium presented at the 43rd Annual Convention of the Association for Behavior Analysis International, Denver, CO.

Teaching and Advising

Course Instructor

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| <p>Introduction to Organizational Behavior Management (ABSC 470)
 Department of Applied Behavioral Science (KU)
 3 credits, online (synchronous) undergraduate course
 Class size: 40</p> | <p>Spring 2021</p> |
| <p>Introduction to Organizational Behavior Management (ABSC 470)
 Department of Applied Behavioral Science (KU)</p> | <p>Fall 2020</p> |

3 credits, online (synchronous) undergraduate course
Class size: 35

Introduction to Organizational Behavior Management (ABSC 470) Department of Applied Behavioral Science (KU) 3 credits, on-campus undergraduate course (transitioned to online March 2020) Class size: 25	Spring 2020
Introduction to Child Development (ABSC 160) Department of Applied Behavioral Science (KU) 3 credits, online undergraduate course Fall/Spring (3 semesters); class size: ~ 200 Summer Session (4 semesters); class size: ~50 Winter Intersession (2 semesters); class size: ~35	2017 – 2020 9 semesters
Introduction to Child Development (ABSC 160) Department of Applied Behavioral Science (KU) 3 credits, hybrid undergraduate course Class size: ~ 200	2016 – 2017 2 semesters

Graduate Teaching Assistant

University of Kansas

Introduction to Organizational Behavior Management (ABSC 470) Department of Applied Behavioral Science (KU) 3 credits, on-campus undergraduate course Course Instructor: Florence D. DiGennaro Reed, Ph.D.	Fall 2019
Introduction to Child Development (ABSC 160) Department of Applied Behavioral Science (KU) 3 credits, on-campus undergraduate course Course Instructor: Florence D. DiGennaro Reed, Ph.D.	Fall 2017
OBM Practicum Supervisor (ABSC 682) Department of Applied Behavioral Science (KU) 3 credits, on-campus undergraduate course Course Instructor: Florence D. DiGennaro Reed, Ph.D.	2016 – 2020 8 semesters

Appalachian State University

Quantitative Methods in Psychology (PSY 5030) Department of Psychology (ASU) 3 credits, on-campus *graduate course Course Instructor: Twila Wingrove, Ph.D., J.D.	2015 – 2016 2 semesters
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Applied Behavior Management (PSY 4700)	2014 – 2016
Department of Psychology (ASU)	4 semesters
3 credits, on-campus undergraduate course	
Course Instructor: Cynthia M. Anderson, Ph.D.	

Professional Experience

Behavioral Consultant	2016 – 2021
Staff Training Department	
Goodlife Innovations, Lawrence KS	
Job Coach	2014
Watauga Opportunities Inc., Boone, NC	

Research Experience

NIH Postdoctoral Research Fellow	2021 – present
Vermont Center on Behavior and Health, University of Vermont	
Advisor: Dr. Stephen Higgins, Ph.D.	
Graduate Research Assistant	2016 – 2021
Department of Applied Behavioral Science, University of Kansas	
Advisor: Florence D. DiGennaro Reed, Ph.D., BCBA-D	
Project domains: performance management, behavioral health, behavioral consultation, behavioral systems analysis, implementation science, staff training	
Graduate Research Assistant	2014 – 2016
Department of Psychology, Appalachian State University	
Advisor: Cynthia M. Anderson, Ph.D., BCBA-D	
Project domains: acceptance and commitment training, quantitative analyses	
Graduate Research Practicum	2015 – 2016
J. Iverson Riddle Developmental Center, Morganton, NC	
Advisor: Martin Ivancic, Ph.D., BCBA-D	
Project focus: behavior management and support for adults with severe and profound disabilities	
Psychology Department Intern	2015
J. Iverson Riddle Developmental Center, Morganton, NC	
Advisor: Duke Schell, Ph.D., BCBA-D	
Undergraduate Research Assistant	2012 – 2013
Psychology Department, Appalachian State University	
Advisor: Ken Steele, Ph.D.	

Service

Editorial

Guest Reviewer, <i>Journal of Applied Behavior Analysis</i>	2017 – present
Guest Reviewer, <i>Behavior Analysis in Practice</i>	2016 – present

Leadership Positions

University of Kansas

Distinguished Scholar Cambridge Center for Behavioral Studies (CCBS)	2018 – 2021
Treasurer ABSC Graduate Student Organization (GSO)	2018 – 2019
Member Diversity Equity and Inclusion (DEI) Committee	2016 – 2018

Appalachian State University

Vice President Psychology Graduate Student Organization (GSO)	2015 - 2016
Graduate Student Representative College of Liberal Arts & Sciences Strategic Planning Committee	2015
Graduate Student Senator Graduate Student Association Senate (GSAS)	2015 – 2016
Graduate Student Senator Alternate Graduate Student Association Senate (GSAS)	2014

Other Grants/Honors

Office of Student Research Grant	2015
GSAS Travel Grant	2016
GSAS Travel Grant	2014
Dean's list	2010 - 2013
Chancellor's List	2012 - 2013
Psi Chi Psychology Honor Society	2011 - 2013