

Catalina N. Rey, Ph.D., BCBA-D

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(305) 720-1011 catalinanrey@gmail.com

EDUCATION

Ph.D. in Behavior Analysis, Florida Institute of Technology, 2016
Dissertation Title: Differential Reinforcement of Other Behavior: An Experimental Analysis of Adventitious Reinforcement

M.S. in Organizational Behavior Management
Florida Institute of Technology, 2010

B.A. in Humanities, Florida State University, 2008

CERTIFICATION

Board Certified Behavior Analyst - Doctoral
Certification Number 1-10-7592

PROFESSIONAL EXPERIENCE

University of Vermont, Burlington, VT
Vermont Center on Behavior and Health and Department of Psychiatry
Position: Postdoctoral Research Fellow
Advisor: Sarah H. Heil, Ph.D.
August 2017-present

University of Vermont, Burlington, VT
Department of Psychology
Position: Visiting Lab Member
Advisor: Mark E. Bouton, Ph.D.
August 2017-present

Kennedy Krieger Institute and Johns Hopkins School of Medicine, Baltimore, MD
Neurobehavioral Inpatient Unit
Position: Postdoctoral Fellow
Advisor: Jennifer Zarcone, Ph.D., BCBA-D
September 2016-July 2017

TEACHING EXPERIENCE

Undergraduate Courses

- Learning and Behavior Change, Rollins College, Adjunct, (four semesters)

- Introduction to Psychology, Florida Institute of Technology, Adjunct

Graduate Courses

- Practicum in Professional Behavior Analysis, Florida Institute of Technology, Adjunct
- Concepts and Principles of Behavior Analysis, Università Degli Studi Di Salerno, Invited Professor, Salerno, Italy
- Concepts, Principles & Foundations of Behavior Analysis, Florida Institute of Technology, Co-Instructor

PEER-REVIEWED PUBLICATIONS

Rey, C. N., Betz, M. A., Sleiman, A. A., Kuroda, T., & Podlesnik, C. A. (accepted with revisions). Differential reinforcement of other behavior: An experimental evaluation of adventitious reinforcement. *Journal of Applied Behavior Analysis*.

Rey, C. N., Betz, M. A., Sleiman, A. A., Kuroda, T., & Podlesnik, C. A. (accepted with revisions). Differential reinforcement of other behavior increases untargeted behavior: A systematic replication. *Journal of Applied Behavior Analysis*.

Sleiman, A. A., Betz, A. B., **Rey, C. N.**, & Blackman, A. L. (in press). Effects of token manipulation on responding within a token economy implemented with children with autism. *Education and Treatment of Children*.

Rey, C. N., Kurti, A. N., Badger, G. J., Cohen, A. H., & Heil, S. H. (in press). Stigma, discrimination, treatment effectiveness, and policy support: Comparing behavior analysts' views about drug addiction and mental illness. *Behavior Analysis in Practice*.

Liddon, C., Kelley, M. E., **Rey, C. N.**, Abel, A., & Ribeiro, A. (2018). A translational analysis of ABA and ABC renewal of operant behavior. *Journal of Applied Behavior Analysis*, *51*, 819-830.

Kelley, M. E., Nadler, C. B., **Rey, C.**, Cowie, S., & Podlesnik, C. (2017). Noncontingent reinforcement competes with response performance. *Journal of the Experimental Analysis of Behavior*, *107*, 343-353.

Wilder, D. A., Lipschultz, J. L., Kelley III, D. P., **Rey, C.**, & Enderli, A. (2015). An alternative measure of research productivity among behavior analytic graduate training programs: A response to Dixon et al. (2015). *Behavior Analysis in Practice*, *8*, 156-158.

Kelley III, D. P., Wilder, D. A., Carr, J. E., **Rey, C.**, Green, N., & Lipschultz, J. (2015). Research productivity among practitioners in Behavior Analysis: Recommendations from the prolific. *Behavior Analysis in Practice*, *8*, 201-206.

Dominguez, A., Wilder, D., Cheung, K., **Rey, C.** (2014). The use of a verbal reprimand to decrease rumination in a child with autism. *Behavioral Interventions*, *29*, 339-345.

Casella, S., Wilder, D., Neidert, P., **Rey, C.**, Compton, M., & Chong, I. (2010). The effects of response effort on safe performance by therapists at an autism treatment facility. *Journal of Applied Behavior Analysis*, 43, 729-734.

Petscher, E. S., **Rey, C.**, & Bailey, J. S. (2009). A review of empirical support for differential reinforcement of alternative behavior. *Research in Developmental Disabilities*, 30, 409-425.

BOOK CHAPTERS

Heil, S. H., **Rey, C. N.**, Davis, D. R., & Higgins, S. T. (in press). A behavioral approach to the treatment of substance use disorders. In P. Sturmey (Ed.), *Functional analysis in clinical treatment* (2nd ed.). Amsterdam: Elsevier Press.

MANUSCRIPTS UNDER REVIEW

Heil, S. H., Melbostad, H. S., **Rey, C. N.** (under review). Ways to answer the public health call to reduce unintended pregnancy and improve access to contraception among women with opioid use disorder. *Preventative Medicine*.

Nevill, R. E., **Rey, C. N.**, Javed, N., Rooker, G., Yoo, H., & Zarcone, J. (under review). Pilot validation of the Social Impact of Repetitive Behavior Scale in children with autism spectrum disorder. *Research in Autism Spectrum Disorders*.

AWARDS & HONORS

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| 2014 | B. F. Skinner Foundation Research Grant Award (\$500), awarded by B. F. Skinner Foundation |
| 2010 | Best Overall Poster , presented at Florida Association for Behavior Analysis |
| 2008 | Certificate in Performance Management , awarded by Florida State University |

PROFESSIONAL PRESENTATIONS

Rey, C. N., Betz, A. M., & Javed, N. (2019, May). DRO: A review of the literature. Presentation in a symposium accepted at the 45th Annual Convention of the Association for Behavior Analysis International, Chicago, IL.

Rey, C. N., Melbostad, H. S., Sigmon, S. C., MacAfee, L. K., Dougherty, A. K., & Heil, S. H. (2019, May). Barriers to long-acting reversible contraceptives among opioid-maintained women. Presented in a symposium at the 3rd Annual Convention of Women in Behavior Analysis, Nashville, TN.

Rey, C. N., Heil, S. H., Matusiewicz, A. K., Melbostad, H. S., Sigmon, S. C., Badger, G. J., MacAfee, L. K., & Higgins, S. T. (2018, July). Contraceptive use among women enrolled in opioid agonist treatment for opioid use disorder. Presented at the 28th Annual Vermont Center for Behavior and Health Scientific Trainee Retreat, Vergennes, VT.

Rey, C. N., Heil, S. H., Matusiewicz, A. K., Melbostad, H. S., Sigmon, S. C., Badger, G. J., MacAfee, L. K., & Higgins, S. T. (2018, May). Increasing effective contraceptive use among opioid-maintained women at risk for unintended pregnancy. Presented in a symposium at the 44th Annual Convention of the Association for Behavior Analysis International, San Diego, CA.

Rey, C. N., Heil, S. H., Matusiewicz, A.K., Melbostad, H. S., Sigmon, S. C., Badger, G. J., MacAfee, L. K., & Higgins, S. T. (2018, March). Increasing effective contraceptive use among opioid-maintained women at risk for unintended pregnancy. Presented in a symposium at the 2nd Annual Convention of Women in Behavior Analysis, Nashville, TN.

Rey, C. N., Betz, A. M., Sleiman, A., Kuroda, T., & Podlesnik, C. A. (2017, May). Differential reinforcement of other behavior: An experimental analysis of adventitious reinforcement. Presented in a symposium at the 43rd Annual Convention of the Association for Behavior Analysis International, Denver, CO.

Rey, C. N., Pritchard, J., Wine, B., & Martinez-Diaz, J. (2016, September). Sdeltap: The missing discriminative stimulus. Presented in a paper session at the 36th Annual Meeting of the Florida Association for Behavior Analysis, Ft. Lauderdale, FL.

Liddon, C., Kelley, M. E., **Rey, C. N.,** Abel, A., & Ribeiro, A. (2016, September). Translational analysis of ABA and ABC renewal of operant behavior. Presented in a symposium at the 36th Annual Meeting of the Florida Association for Behavior Analysis, Ft. Lauderdale, FL.

Blackman, A., Sleiman, A., Betz, A. M., **Rey, C. N.,** Albustami, Z., & Ertel, H. (2016, September). Effects of token manipulation on response rates and preference within a token economy. Presented in a symposium at the 36th Annual Meeting of the Florida Association for Behavior Analysis, Ft. Lauderdale, FL.

Moore, C., Betz, A. M., Castellon, S., Sleiman, A., **Rey, C. N.,** & Hodges, A. (2016, September). Evaluating the effectiveness of discrimination training and pairing procedures to establish stimulus control. Presented in a symposium at the 36th Annual Meeting of the Florida Association for Behavior Analysis, Ft. Lauderdale, FL.

Rey, C. N., Pritchard, J. K., Wine, W. J., & Martinez-Diaz, J. A. (2016, May). Sdeltap: The missing discriminative stimulus. Presented in a paper session at the 42nd Annual Convention of the Association for Behavior Analysis International, Chicago, IL.

Rey, C. N. (2016, May). Evaluation of pairing procedures to increase social responses among children with autism. Chair of symposium at the 42nd Annual Convention of the Association for Behavior Analysis International, Chicago, IL.

Sleiman, A., Betz, A. M., & **Rey, C. N.** (2016, May). Evaluating the effects of manipulation of tokens on response rates and preference for a token economy with children with autism. Presented in a symposium at the 42nd Annual Convention of the Association for Behavior Analysis International, Chicago, IL.

Liddon, C., Kelley, M. E., **Rey, C. N.**, Abel, A., & Ribeiro, A. (2016, May). A within-subjects analysis of ABA and ABC renewal of operant behavior. Presented in a symposium at the 42nd Annual Convention of the Association for Behavior Analysis International, Chicago, IL.

LaMonica, T., Betz, A. M., Radomski, A., Moore, C., & **Rey, C. N.** (2016, May). The effects of and preference for different token arrangements when treating disruptive behavior in children with autism. Presented in a symposium at the 42nd Annual Convention of the Association for Behavior Analysis International, Chicago, IL.

Rey, C. N., & Betz, A. M. (2016, April). DRO: A review of the literature. Presented in a symposium at the 6th Annual Convention of the Association of Professional Behavior Analysts, Washington, DC.

Rey, C. N., & Betz, A. M. (2015, October). A review of the recent literature on DRO schedules. Presented in a symposium at the 35th Annual Meeting of the Florida Association for Behavior Analysis, Daytona, FL.

LaMonica, T., Betz, A. M., Radomski, A., Moore, C., & **Rey, C. N.** (2015, October). Effects of and preference for token arrangements on disruptive behavior within a DRO. Presented in a symposium at the 35th Annual Meeting of the Florida Association for Behavior Analysis, Daytona, FL.

Kelley, D., Wilder, D. A., Carr, J. E., **Rey, C. N.**, Green, N., & Lipschultz, J. (2015, October). Research productivity among practitioners in behavior analysis: Recommendations from the prolific. Presented in a symposium at the 35th Annual Meeting of the Florida Association for Behavior Analysis, Daytona, FL.

Rey, C. N., & Betz, A. M. (2015, May). DRO: A review of the literature. Presented in a symposium at the 41st Annual Convention of the Association for Behavior Analysis International, San Antonio, TX.

Rey, C. N. (2015, May). Dissemination: Taking a different approach. Presented in an Ignite symposium at the 41st Annual Convention of the Association for Behavior Analysis International, San Antonio, TX.

Rey, C. N., Betz, A. M., Greif, A., & LaBello, T. (2014, September). Evaluating the effects of various exchange schedules of a token economy used with children with Autism. Presented in a symposium at the 34th Annual Meeting of the Florida Association for Behavior Analysis, Bonita Springs, FL.

Nicholson, K., Betz, A. M., & **Rey, C. N.** (2014, May). A Parametric analysis of the optimal number of targets taught concurrently. Presented in a symposium at the 40th Annual Convention of the Association for Behavior Analysis International, Chicago, IL.

Rey, C. N., Betz, A. M., Greif, A., & LaBello, T. (2014, March). An evaluation of fixed-ratio versus variable-ratio token exchange schedules on performance. Presented in a paper session at the 4th Annual Association of Professional Behavior Analysts Convention, New Orleans, LA.

Rey, C. N., Pritchard, J., & Martinez-Diaz, J. (2013, May). Moving interteaching online: A demonstration. Presented in a symposium at the 39th Annual Convention of the Association for Behavior Analysis International, Minneapolis, MN.

Nicholson, K., Betz, A., Uran, K., **Rey, C. N.**, & Cole, L. (2013, May). An analysis of the efficiency of task interspersal among children with autism. Presented in a symposium at the 39th Annual Convention of the Association for Behavior Analysis International, Minneapolis, MN.

Nicholson, K., Betz, A. M., Uran, K. & **Rey, C. N.** (2013, April). An analysis of the efficiency of task interspersal among children with autism. Presented at The School of Psychology Research Colloquium at Florida Institute of Technology, Melbourne, FL.

Rey, C. N., Kelley, M. E., Thomas, K., & Nadler, C. (2013, March). The effects of response-independent reinforcement on acquisition and maintenance of functional communication. Presented in a symposium at the 3rd Annual Association of Professional Behavior Analysts Convention, Las Vegas, Nevada.

Rey, C. N. & Pritchard, J. (2012, May). DRO: Punishment in disguise. Paper presented at the 38th Annual Association for Behavior Analysis International Conference, Seattle, WA.

Rey, C. N. & Pritchard, J. (2011, November). When differential reinforcement is really a punisher. Paper presented at the Association for Behavior Analysis International 6th International Conference, Granada, Spain.

Rey, C. N. & Pritchard, J. (2011, September). DRO: Reinforcement or punishment? Paper presented at the 31st Annual Florida Association for Behavior Analysis Conference, Daytona, FL.

McNamara, C., Pollick, M., **Rey, C. N.**, & Toro, H. (2011, September). Media and technology: Basic ethics for behavior analysts. Panel presented at the 31st Annual Florida Association for Behavior Analysis Conference, Daytona, FL.

McNamara, C., Pollick, M., **Rey, C. N.**, & Toro, H. (2011, June). Media and technology: Basic ethics for behavior analysts. Panel presented at Gold Coast Association for Behavior Analysis Chapter Meeting, Ft. Lauderdale, Florida.

Rey, C. N., Kennan, E., Csenge, J., Bailey, J., & Jackson, A. (2009, May). Rolling in dough: The effects of OBM technology at a local pizzeria franchise. Symposium presentation at the 35th Annual Association for Behavior Analysis International Conference, Phoenix, AZ.

Rey, C. N., Kennan, E., Csenge, J., Bailey, J., & Jackson, A. (2008, September). Increasing the flow of dough: Using incentives to make sales grow. Symposium presentation at the 28th Annual Florida Association for Behavior Analysis Conference, Bonita Springs, FL.

Rey, C. N., Kennan, E., C., Csenge, J., Bailey, J., & Jackson, A. (2008, April). Increasing the flow of dough: Using incentives to make sales grow. Presented at The 16th Annual Performance Management Conference, Tallahassee, FL.

Workshops

A proposed extension to the functional approach: A comprehensive model for analyzing contingencies, Instructor (with Martinez-Diaz, J., Zuluaga, C., Freeman, T., & Pritchard, J.). Workshop for the Florida Association for Behavior Analysis, Jacksonville, Florida
September 2012

It is not just about attention (or escape, social mediation or automatic reinforcement): Clinical implications of an extended comprehensive model of contingencies, Instructor (with Martinez-Diaz, J., Zuluaga, C., Freeman, T., & Pritchard, J.). Workshop for the Florida Association for Behavior Analysis, Jacksonville, Florida
September 2012

PROFESSIONAL POSTER PRESENTATIONS

Rey, C. N., Kurti, A. N., Badger, G. J., Cohen, A. H., & Heil, S. H. (2019, June). Stigma, discrimination, treatment effectiveness, and policy support: Comparing behavior analysts' views about drug addiction and mental illness. Poster accepted at the 81st Annual Meeting of the College on Problems of Drug Dependence, San Antonio, TX.

Rey, C. N., Melbostad, H., Sigmon, S., MacAfee, L., Dougherty, A., & Heil, S. (2019, May). Barriers to long-acting reversible contraceptives among opioid-maintained women. Poster accepted at the 45th Annual Convention of the Association for Behavior Analysis International, Chicago, IL.

Rey, C. N., Melbostad, H., Sigmon, S., MacAfee, L., Dougherty, A., & Heil, S. (2018, November). Familiarity, knowledge, and barriers to long-acting reversible contraceptives among opioid-maintained women. Poster presented at the Substance Use and Addiction Conference of the Association for Behavior Analysis International, Washington, DC.

Melbostad, H., Matusiewics, A., **Rey, C. N.,** Badger, G., MacAfee, L., Sigmon, S., Higgins, S., & Heil, S. (2018, November). Increasing contraceptive use among women with opioid use disorder at risk for unintended pregnancy. Poster presented at the International Conference on Family Planning, Kigali, Rwanda.

Rey, C. N., Melbostad, H. S., Sigmon, S. C., MacAfee, L. K., Dougherty, A. K., & Heil, S. H. (2018, October). Knowledge and barriers to long-acting reversible contraceptives among opioid-maintained women. Poster presented at the 6th Annual Vermont Center on Behavior and Health Conference, Burlington, VT.

Melbostad, H. S., **Rey, C. N.**, Sigmon, S. C., Haynes, M. C., MacAfee, L. K., Dougherty, A. K., Ades, V., & Heil, S. H. (2018, October). Contraceptive knowledge among patients receiving opioid agonist treatment. Poster presented at the 6th Annual Vermont Center on Behavior and Health Conference, Burlington, VT.

Melbostad, H. S., **Rey, C. N.**, Sigmon, S. C., MacAfee, L. K., Dougherty, A. K., & Heil, S. H. (2018, July). Contraceptive knowledge among patients receiving opioid agonist treatment. Poster presented at the 28th Annual Vermont Center on Behavior and Health Scientific Trainee Retreat, Vergennes, VT.

Rey, C. N., Melbostad, H. S., Sigmon, S. C., MacAfee, L. K., Dougherty, A. K., & Heil, S. H. (2018, June). Barriers to long-acting reversible contraceptives among opioid-maintained women. Poster presented at the 80th Annual Meeting of the College on Problems of Drug Dependence, San Diego, CA.

Melbostad, H. S., **Rey, C. N.**, Sigmon, S. C., MacAfee, L. K., Dougherty, A. K., & Heil, S. H. (2018, June). Contraceptive knowledge of men and women receiving opioid agonist treatment. Poster presented at the 80th Annual Meeting of the College on Problems of Drug Dependence, San Diego, CA.

Javed, N., Nevill, R., **Rey, C. N.**, Rooker, G., & Zarcone, J. R. (2018, May). Preliminary reliability analysis of the social impact of repetitive behavior scale. Poster presentation at the 44th Annual Convention of the Association for Behavior Analysis International, San Diego, CA.

Melbostad, H., Hack, M., MacAfee, L., **Rey, C. N.**, Sigmon, S., Dougherty, A. & Heil, S. (2018, April). Contraceptive knowledge of patients receiving medication for opioid use disorder. Poster presented at the American Society for Addiction Medicine 49th Annual Conference, San Diego, CA.

Rey, C. N., Betz, A. M., Sleiman, A., Kuroda, T., & Podlesnik, C. A. (2018, February). Differential reinforcement of other behavior: An experimental analysis of adventitious reinforcement. Poster presented at the 12th Annual Autism Conference of the Association for Behavior Analysis International, Miami, FL.

Zarcone, J., **Rey, C. N.**, Javed, N., Nevill, R., Newcomb, E., & Rooker, G. (2017, November). Preliminary reliability analysis of the Social Impact of Repetitive Behavior Scale. Poster presentation at the 4th Asia-Pacific Regional Congress of the International Association for the Scientific Study of Intellectual and Developmental Disabilities, Bangkok, TH.

Rey, C. N., Betz, A. M., Sleiman, A., Kuroda, T., & Podlesnik, C. A. (2017, August). Differential reinforcement of other behavior: An experimental analysis of adventitious reinforcement. Poster presented at the 5th Annual Vermont Center on Behavior and Health Conference, Burlington, VT.

Carver, A., Keene, J., Concepcion, A., Talhelm, P., **Rey, C. N.**, & Zarcone, J. (2017, May). Assessment of avoidant behaviors in the presence of noise to identify an establishing operation for problem behavior. Poster presentation at the 43rd Annual Convention of the Association for Behavior Analysis International, Denver, CO.

Concepcion, A., Talhelm, P., **Rey, C. N.**, & Zarcone, J. R. (2017, May). Analysis and treatment of self-injurious behavior occurring within an academic context. Poster presentation at the 43rd Annual Convention of the Association for Behavior Analysis International, Denver, CO.

Nicholson, K., **Rey, C. N.**, Boyle, M., Olsen, M. N., & Wilder, D. A. (2011, March). First and last impressions: Improving customer service behavior at a local seafood restaurant. Poster presented at the Organizational Behavior Management Network Conference, Tampa, FL.

Nicholson, K., **Rey, C. N.**, Boyle, M., Olsen, M. N., & Wilder, D. A. (2010, October). First and last impressions. Poster presentation awarded “Best Overall” at the 30th Annual Florida Association for Behavior Analysis Conference, Orlando, FL.

Rey, C. N. & Tomasi, M. D. (2008, May). A hairy situation: Using self-management to decrease maladaptive behavior. Poster presentation at the 34th Annual Association for Behavior Analysis International, Chicago, IL.

Rey, C. N. & Tomasi, M. D. (2007, September). The use of two punishment contingencies to decrease frequency of hair playing. Poster presented at the Annual Convention of the Florida Association for Behavior Analysis, Jacksonville, FL.

SERVICE

2014-2018	Guest Reviewer, <i>Journal of Applied Behavior Analysis</i>
2018-2019	Guest Reviewer, <i>Behavior Analysis in Practice</i>
2019	Guest reviewer, <i>PLOS ONE</i>
2017	Guest Reviewer, <i>Education and Treatment of Children</i>
2018	Invited Guest Presentation for Applied Behavior Analysis Intensive Practicum at University of North Florida
2018	Reviewer for the Florida Association of Behavior Analysis 37 th and 38 th Annual Conference
2017	Poster Discussant at 43 rd Annual Convention of the Association for Behavior Analysis International, Denver, CO.
2015	Subject Matter Expert, Behavior Analyst Certification Board

OTHER RELEVANT INFORMATION

Languages: Bilingual- fluent in English and Spanish

PROFESSIONAL REFERENCES

References available upon request.