

(Rachel) Nicolle Carr, Ph.D., BCBA-D
Program Director of
Applied Behavior Analysis

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EDUCATION

Ph.D., 2005 Psychology with emphasis in Behavioral Neuroscience
University of Texas at Austin
Dissertation Title: Effects of Pavlovian Conditioning on Sperm
Competition and Sperm Depletion
Chair: Mike Domjan

B.S., 2001 Psychology, Oklahoma City University – OKC, OK
Summa Cum Laude
OCU Psychology Student of the Year
Anne J Bryan Award for Excellence in Research
Rhodes Scholar Nominee from OCU (1 of 14 in the state)

August 2008 Pennsylvania State - World Campus (online)
Applied Behavior Analysis program

CERTIFICATION

1-15-4893 Board Certified Behavior Analyst
(Original Certification Number = 1-08-4893)

PROFESSIONAL EXPERIENCE

2018-Present Program Director for ABA, University of Oklahoma – Norman, OK

2017 – present Lecturer / CEU provider for PESI, Inc (8 hour conferences)
- *Mental health issues in the classroom: Practical strategies for helping children and adolescence succeed*
- *Teaching social skills to students with high functioning autism*
Behavior Consultant – local OK school districts

2009 – 2012 Director of In-home services - Valley Psychiatric Services - Springfield, MA

2006 – 2011

Assistant Dir of Clinical Services – Judge Rotenberg Center – Canton, MA

Current UNIVERSITY TEACHING

University of Oklahoma	Applied Behavior Analysis 2 (graduate) Applied Behavior Analysis 3 Concepts and Principles of ABA Ethics in Applied Behavior Analysis Behavior Change in ABA Behavior Assessment Education of Exceptional Children ABA in schools Data based decisions in schools Classroom management (undergrad) Individual behavior management
Arizona State University	Reading & communication strategies for individuals w ASD Ethics in ABA ABA for exceptional populations Basics of ASD Philosophical Assumptions of ABA Collaboration and Consultation Measurement and Assessment Capstone
Northeastern Univ	Motivation and behavior Learning and behavior Fundamentals of psychology Infant and Toddler Development Stress Management Evolution of mating and sexual selection Developmental Psychology
Grand Canyon Univ	Cognition and instruction Advanced lifespan development Human learning and cognition Ethical issues in psychology Biological psychology Theory of Inquiry

**Prior
UNIVERSITY
TEACHING**

Chicago School of Professional Psychology	Ethics in ABA Concepts and principles in behavior analysis Research Methods Brain and Behavior in Marketing (neuromarketing)
Southwestern College (Kansas)	Social psychology Cognition Biopsychology Psychology of research methods Introduction to Psychology Emotion
Bay Path Univ	Biopsychology Research methods and design (grad) Ethics in ABA (grad)
OKC Community College	Lifespan Development Introduction to psychology
Fort Hayes State University	Statistics for the behavioral sciences Experimental psychology and lab The science of psychology
Mid America Christian University	Psychology and family assessment Interventions for individuals in crisis Ethics Biological Psychology
Elms College	Introduction to psychology Adolescent psychology Cognition

MANUSCRIPTS

Matthews-Carr, R.N. (2017). From animal models to behavioral treatment of bipolar disorder. *International Journal of Comparative Psychology: Special issue*, volume 30.

Domjan, M., Mahometa, M., & **Matthews, R.N.** (2012). Learning in intimate connections: Conditioned fertility and its role in sexual competition. *Socioaffective Neuroscience and Psychology*, v2 17333 - DOI: 10.3402/snp.v2i0.17333.

Matthews, R. N., Domjan, M., Ramsey, M., & Crews, D. (2007). Learning effects on sperm competition and reproductive fitness. *Psychological Science*, 18(9), 758–62. doi:10.1111/j.1467-9280.2007.01974.x

BOOK CHAPTER

Carr, R.N. (2021). Ethics in Research Methods. Chapter in Special Education Research. Edited by Hott, B., Peltier, C.& Brigham.

Carr, R.N. (2020). Rural access to ethical and appropriate treatment in Applied Behavior Analysis. Chapter in Scientific framework for Compassion & Social Justice within ABA. Edited by Sadavoy, J. & Zube, M.

Matthews, R.N. & Domjan, M. Sexual Selection: Sperm Competition, Mating Systems, and Learning in Darwin and the Behavioral Sciences. Edited by Mauricio Papini and German Gutierrez. ISBN: 978-958-719-702-0

SYMPOSIUM

O'Neil, D., Blenkush, N., Lowther, N. (**Carr, R. N.** as chair). (May, 2021). Challenging the FDA Ban on Electrical Stimulation Devices. Applied behavior analysis International 47th convention, Virtual.

Sadavoy, J. & **Carr, R.N.** (Chan, J. as chair). (May 2020). Applied ethics: A discussion of rural practice and international dissemination. Applied behavior analysis International 46th convention, Virtual.

O'Neil, D., Blenkush, N., & Joseph, T. (**Carr, R.N.** as Chair). (May 2020). Retrospective analysis of Clonidine efficacy for aggressive and self injurious behavior. Applied behavior analysis International 46th Convention, virtual.

Blenkush, N., vonHeyn, R., **Matthews, R.N.** & Isreal, M. (May 2010). Positive Behavioral Treatment with Supplementary Skin-shock: An Alternative to Medication for Treatment of Aggression. Applied Behavioral Analysis conference, San Antonio, TX.

Matthews, R.N. (March 2005). Variation in maternal behavior directs plasticity. Southwestern Psychology Assoc Conference, Memphis, TN.

Matthews, R.N. (March 2004). Sperm competition and genetic fingerprinting. Southwestern Psychology Assoc Conference, San Antonio, TX.

Matthews, R.N. (March 2003). Renewal Effects and Context. Southwestern Psychology Assoc Conference, New Orleans, LA.

PANEL

Carr, R. N., Eisel, H., Heiniger, S., Justus-McDowell, J. (2022, May 29). *Taking the science of behavior to school* [Panel Presentation]. Applied Behavior Analysis International 48th Annual Convention, Boston.

Persaud, S., Aljohani, W.A., Williams, C. & **Carr, R.N.** (May 2021). Changing Culture Within the Field of ABA: Addressing the Need for Cultural Shifts Across the Field (A Scientific Framework for Compassion and Social Justice: Contributor Series). Applied Behavior Analysis International 47th Annual Convention, Virtual.

Martella, R., Marchan-Martella, N., & **Carr, R.N.** (May 2019). Putting Applied Behavior Analysis to Work in Schools: Multi-Tiered Systems of Supports. Applied Behavior Analysis International 45th Annual Convention, Chicago, IL.

INVITED LECTURES

Brill, S. & Carr, R.N. (2020). Re-framing negative thinking. Multicultural Education Institute. University of Central Oklahoma. Edmond, OK.

Carr, R.N. (2019). *Functional behavior assessment 101. Council for Exceptional Children Oklahoma: 4 Corners Training, Southeastern Ok State University. Durant, OK.*

Carr, R.N. (2019). *Classroom management strategies for the classroom for a variety of mental health disorders. GETFIT Norman Public School District conference. Norman, OK.*

Carr, R.N. (2018). *Classroom management techniques to help students with ADHD. GETFIT Norman Public School District conference. Norman, OK.*

Carr, R.N. (2014 Nov). The ABCs of ABA. Oklahoma Statewide Autism Conference.
Norman, OK

Carr, R.N. (2014 Nov). Severe Aggression and Self Injury in the Classroom. Evidence Based Interventions. Oklahoma Statewide Autism Conference, Norman, OK

Carr, R.N. (2014 April). Stress and its role in effective parenting. Autism Oklahoma.
Oklahoma City, OK

Matthews, R.N. (May 2008 - 2009). Jobs in Psychology: The various routes one can take. Senior seminar / Harvard Cambridge, MA

Matthews, R.N. (May 2008). Systems of reinforcement applied at the JRC. Applied Behavioral Analysis International Conference. Chicago, IL

Matthews, R.N. (May 2007). Successful treatment of students expelled from other programs. Applied Behavioral Analysis International conference. San Diego, CA

Matthews, R.N. (April 2005). The influence of conditioning on reproductive advantage. Graduate Student Assembly Retreat. Austin, TX

POSTERS

Ramsey, M., **Matthews, R.N.** & Crews, D. (2005 Nov). Sex ratio of litter composition alters maternal behavior toward pups and subsequent metabolic activity as adults within sexual nuclei. Society for Neuroscience. Washington D.C.

Ramsey, M., **Matthews, R.N.** & Crews, D. (2005 Nov). Effects of the litter composition during pre weaning period on development of anxiety-related behaviors in mice. Society for Neuroscience. Washington D.C.

Matthews, R.N. (2004 October) Pavlovian Conditioning Increases Paternity Rates. Society for Neuroscience Conference. San Diego, CA

PROFESSIONAL ORGANIZATIONS and AWARDS

2022	Oklahoma Assoc of Behavior Analyst BCBA of the Year
2021 - present	Rotary Programming Chair
2019 – present	Newsletter Editor, Oklahoma Association of Behavior Analysts
2021	Janine Rainbolt College of Education Teacher and Advising nominee
2018 – 2019	Founder / President, Oklahoma Association of Behavior Analysts
2019 – 2022	Member at Large, Oklahoma Association of Behavior Analysts
2018 – present	Member, ABai

2012 – 2018	Secretary, Division 6 of American Psychological Association
2014 – 2017	Member, Div 25 of the American Psychological Association
2015 – 2019	Secretary, Ethics SIG for ABai
2013 – 2017	Member, Southwestern psychological Association
2013 - 2014	Faculty supervisor, Psi Chi chapter at Oklahoma City University
2011 – 2013	Member, Berkshire Applied Behavior Analysis and Therapy
2008 – 2012	Member, Association of Professional Behavioral Analysts