

CURRICULUM VITAE

Name: Mark Edwards Stanton

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Date and Place of Birth: October 22, 1953, Mazatlan, Sinaloa, Mexico

Citizenship: United States of America

Education:

Macalester College, St. Paul, MN	1971-1976	B.A., Psychology
The University of Texas, Austin, TX	1976-1981	Ph.D., Psychology
University of Rochester Medical Center Rochester, NY	1981-1982	Postdoctoral Fellow
Stanford University School of Medicine	1982-1985	Postdoctoral Fellow

Brief Chronology of Employment:

Stanford University School of Medicine	1985-1986	Research Associate
Neurotoxicology Division, U.S. EPA	1986-2001	Environmental Health Scientist
The University of North Carolina Chapel Hill, NC (Psychology)	1987-1993	Adjunct Assistant Professor
	1993-2001	Adjunct Associate Professor
Duke University (Toxicology)	1997-2001	Adjunct Associate Professor
University of Delaware (Psychology)	2001-2006	Associate Professor
	2006-	Professor

Societies:

American Association for the Advancement of Science
American Psychological Association
Behavioral Toxicology Society
Fetal Alcohol Spectrum Disorders Study Group
International Society for Developmental Psychobiology
Neurobehavioral Teratology Society
Pavlovian Society
Psychonomic Society
Research Society on Alcoholism
Society for Neuroscience

Honors:

2015	Neuroscientist of the Year, Delaware Chapter of Society for Neuroscience
2014	McNair Mentor of the Year, University of Delaware
2006	Fellow, Divisions 6 & 3, American Psychological Association

- 2005 Pavlovian Investigator Award, Pavlovian Society
 1997 Fellow of the American Association for the Advancement of Science
 1991 Scientific and Technological Achievement Award, Level II,
 U.S. Environmental Protection Agency
 1982-85 NIMH Postdoctoral Fellow
 1982 *Sigma Chi*
 1981-82 NIH Postdoctoral Fellow
 1977-79 NIMH Predoctoral Trainee
 1977 *Phi Kappa Phi*
 1976 *Summa cum laude*, Highest Honors in Psychology, Macalester College
 1975 *Phi Beta Kappa*

Grants and Awards

26. Heroux, N.A. (PI) 1 F31 AA026503-01 (Prefrontal mechanisms of impaired cognition in a rat model of FASD, 9/16/17-1/31/20, Sponsor: Mark E. Stanton).
25. Schwarz, J.M. (PI) 1 R01 MH106553-01A1 (Impact of neonatal infection on the development of hippocampal-dependent learning, 05/15/16 – 02/28/21, Key Personnel/Consultant: Mark E. Stanton).
24. Stanton, M.E. (PI, Contact) 1 R01 HD075066-01A1 (Mechanisms of context conditioning in the developing rat, 4/10/2014 – 3/31/2017).
23. Stanton, M.E. (PI, Contact) 1 R03 AA022480-01A1 (Executive function in a rodent model of FASD, 2/15/2014 – 1/31/2016).
22. Jablonski, Sarah A. (PI) 1 F31 AA021317-01A1 (“Mechanisms of configural learning in a rat model of FASD, 9/1/12-5/31/14, Sponsor: Mark E. Stanton).
21. Stanton, M.E. (PI) 1-R21-HD070662-01 (Mechanisms of Trace Fear Conditioning in the Developing Rat, 7/1/11- 6/30/13).
20. Murawski, Nathen J. (PI) 1-F31-AA19594-01 (“Neural basis of context learning in a rat model of FASD, 4/1/10-12/31/11, Sponsor: Mark E. Stanton)
19. Greenough, William (PI) 2-R01-AA9838-14 (Therapeutic Motor Training and Fetal Alcohol Effects, 7/1/09 – 6/30/11, Investigator: Mark E. Stanton)
18. Klintsova, Anna (PI) University of Delaware Research Foundation, Strategic Initiative Grant, (Does Adult Neurogenesis Play a Role in Memory Impairment in Fetal Alcohol Spectrum Disorders? 12/7/08-12/6/09; Mark Stanton, Mentor & Co-Investigator)
17. Stanton, M.E. (PI) 1-R13-HD059279-01 (NBTS Symposium: Fetal Behavior and Neurotoxicology; 6/27/08 – 12/27/08)
16. Jacobson, Sandra W. (PI) 1-RO1-AA016781-01 (Neural Bases of Eyeblink Conditioning in FASD; 7/1/08 – 6/30/13; Investigator: Mark E. Stanton).
15. Stanton, M.E. (PI) NRSA 1-F31 MH079635 – 01 (Neurobiology of Spatial Reversal Learning; 9/29/06-5/28/09, Deborah J. Watson, Predoctoral Fellow).
14. Stanton, M.E. (PI) NRSA 1-F31 AA016250-01 (Ontogeny of Eyeblink CR Timing in a Rat Model of FASD; 4/25/06-7/24/08, Kevin L. Brown, Predoctoral Fellow).
13. Galloway, J. Cole (PI) 1-R01-HD051748-01 (Motor Learning and Coordination in High Risk Infants, 12/1/07 – 11/31/2012; Co-Investigator: Mark E. Stanton)

12. Cudd, Timothy A. (PI) 1-R21-AA15339-01 (Functional Measure of 3rd Trimester FASD: Neonatal Sheep, 3/1/05 – 2/28/07; Co-Investigators: Charles Goodlett, Mark E. Stanton, and James R. West)
11. Pollak, Seth D. (PI) 1-R01-MH068858-01 (Neurobehavioral Correlates of Early Deprivation, 09/1/04 – 08/31/09; Investigators: Geoffrey Borman, Lewis Leavitt, Mary Schneider. Consultants: Virginia Penhune, Bradley Postle, Mark E. Stanton, David Wargowski)
10. Jacobson, Joseph (PI) 2 RO1 ES007902-06 (Environmental Contaminants and School-Age Development, 8/1/04-7/31/09; Co-Investigators: Sandra Jacobson, Gina Muckle; Collaborators: P. Ayotte, C. Bastien, E. Dewailly, C.A. Nelson, M.E. Stanton)
9. Stanton, M.E. (PI) 1 RO1 AA014288-01 (Alcohol & Development: Cerebellar-Hippocampal Effects, 6/5/2004 – 5/31/2009; Co-Investigators: Charles R. Goodlett, Joseph E. Steinmetz) (Terminated 5/31/2010 after 1-year no-cost extension)
8. Gallagher, M. (PI) 1-P40 RR017688-01 (Center for Neurogenetics and Behavior, 11/01/2003 – 10/30/2008; Co-Investigators: Peter C. Holland, Mark E. Stanton)
7. Goodlett, C.R. (PI) 1-U01-AA14829-01 (Testing FASD Therapeutic Agents: Neonatal Rodent Models, 10/1/03-9/30/06 Co-Investigators: Mark E. Stanton, Feng Zhou.)
6. Goodlett, C.R. (PI) 1-RO1-AA11945-01 (Alcohol and development: Effects on cerebellar systems, 1998-2008, Co-Investigators: Joseph E. Steinmetz, Mark E. Stanton)
5. Rodier, P.M. (PI) PO1-HD-35466-01 (Genotype and phenotype of brainstem injury in autism, 1998-2008; Co-Investigators on Project 2, Behaviors Discriminating Autism in Humans and Animals, Susan Bryson, Mark E. Stanton)
4. Stanton, M.E. (PI) NICHD IAG #1-YO2-HD-0-1279-00 (Eyeblink Conditioning in the Human Infant), 1995-2000.
3. Stanton, M.E. (PI) NRSA 1-F32-MH/HD11729-01 (Dragana Ivkovich, postdoctoral fellow) 1997-2000.
2. Stanton, M.E. (PI) NRSA 1-F31-MH11292-01 (Christy S. Carter, predoctoral fellow), 1995-1998.
1. Stanton, M.E. (PI) NRSA 1-F31-MH10366-01 (John H. Freeman, predoctoral fellow), 1991-1994.

Professional Service

Editorial

- Guest Co-Editor (with John Freeman), Special Issue on Pavlovian Society, *Neurobiology of Learning and Memory*, October 2018-present.
- Guest Editor, Special Issue on Pavlovian Society, *Neurobiology of Learning and Memory*, July 2017-August 2018.
- Guest Co-Editor (with David Bucci), Special Issue on Development, *Neurobiology of Learning and Memory*, July 2016-August 2017.
- Editorial Advisory Board, *Frontiers in Behavioral Neuroscience*, 2015-present
- Editorial Advisory Board, *Developmental Psychobiology*, 2000-present
- Consulting Editor, *Behavioral Neuroscience*, 1993-present.
- Editorial Advisory Board, *Neurotoxicology and Teratology*, 1993-1995, 2002-2011
- Associate Editor, *Developmental Psychobiology*, 1991-1994.
- Ad Hoc Reviewer: *AIMS Neuroscience; Alcohol; Alcohol: Clinical and Experimental Research; Animal Learning & Behavior; Biological Psychiatry; Behavioral Brain*

Research; Brain & Behavior; Brain Research; Cerebellum; Developmental Psychology; European Neuropsychopharmacology; Fundamental and Applied Toxicology; Hippocampus; Learning and Memory; Journal of Child Psychology and Psychiatry; Journal of Experimental Psychology: Animal Behavior Processes; Journal of Neuroscience; Neurobiology of Aging; Neurobiology of Learning and Memory; Neurobiology of Stress; Neuropsychology; Neuropsychopharmacology; Neuroscience; Neurotoxicology; Neurotoxicology & Teratology; Neurotoxicology Letters; New Anatomist; PLOS ONE, Pharmacology, Biochemistry and Behavior; Physiology and Behavior; Psychobiology; Psychological Bulletin; Psychological Review; Proceedings of the National Academy of Science, Progress in Neuro-Psychopharmacology & Biological Psychiatry, Psychoneuroendocrinology; Psychopharmacology; Teratology; The International Journal of Neuroscience

Professional Societies

Session Chair, Award Speakers, International Society for Developmental Psychobiology, Chicago, IL, October, 2019

Symposium Organizer/Co-moderator with David Bucci (Developmental Neurobiology of Learning & Memory), Winter Conference on the Neurobiology of Learning and Memory, Park City, UT, January, 2019.

Session Chair, Award Speakers, International Society for Developmental Psychobiology, San Diego, CA, November, 2018

Past-President, Pavlovian Society, Iowa City, IA, October, 2017 – 2018

Session Chair, Kucharaski & Weiner Award Speakers, International Society for Developmental Psychobiology, Washington, DC, November, 2017

Symposium Moderator/Organizer (Neurobiology of Infantile Amnesia), Pavlovian Society, Philadelphia, PA, October, 2017.

President, Pavlovian Society, Philadelphia, PA, September, 2016 – October 2017

President-Elect, Pavlovian Society, Portland, OR, September, 2015-2016

Governing Board, Pavlovian Society, Portland, OR, September, 2015- October, 2018

Symposium Co-Moderator/Organizer (The Ontogeny of Cognition during Adolescence: Behavior and Neurobiology), Pavlovian Society, Portland, OR, September, 2015.

Session Chair International Society for Developmental Psychobiology, San Sebastian, Spain, July, 2015

Session Chair International Society for Developmental Psychobiology, New Orleans, LA, October, 2012

Member, Fellows Committee, Division 6 (Behavioral Neuroscience), American Psychological Association, 2008-2011 (Chair, 2009-2010)

Symposium Moderator/Organizer (Fetal Behavior and Neurotoxicology), Neurobehavioral Teratology Society, Monterey, CA, June, 2008.

President, University of Delaware Chapter, Sigma Xi, 2006-2007.

Symposium Moderator/Organizer (Developmental Psychobiology of Learning), Pavlovian Society, Philadelphia, PA, September 2006.

Session Chair (Wiley Distinguished Speaker), International Society for Developmental Psychobiology, Washington, DC, November, 2005

Symposium Moderator/Organizer (Tribute to Linda Crnic), International Society for Developmental Psychobiology, Washington, DC, November, 2005

Symposium Moderator/Organizer (Past-President's Symposium), International Society for Developmental Psychobiology, Washington, DC, November, 2005

Member, Committee to Appoint the Next Editor of *Behavioral Neuroscience*, Publications and Communications (P&C) Board, American Psychological Association, 2005-2006.

Past-President, International Society for Developmental Psychobiology, 2005-present

President, International Society for Developmental Psychobiology, 2004-2005

President-Elect, International Society for Developmental Psychobiology, 2003-2004

Symposium Moderator/Organizer, International Society for Developmental Psychobiology, New Orleans, LA, November, 2003.

Program Chair, Division 6 (Behavioral Neuroscience & Comparative Psychology), American Psychological Association, August 2002-2003

Symposium Moderator/Organizer, Division 6, American Psychological Association, Toronto, ON, Canada, August, 2003.

Past-President, Behavioral Toxicology Society, June 2003-2004

President, Behavioral Toxicology Society, May 2002-June 2003

Symposium Moderator, Winter Conference on Current Issues in Developmental Psychobiology, Aruba, January, 2002.

Chair, Public Affairs Committee, Neurobehavioral Teratology Society, 2001-2002

President-Elect, Behavioral Toxicology Society, May 2001-2002

Treasurer, International Society for Developmental Psychobiology, 1999-2002

Governing Board, International Society for Developmental Psychobiology, 1991-1994, 1999-2002, 2003-2007.

Symposium Moderator, Neurobehavioral Teratology Society, Montreal, Quebec, Canada, June, 2001.

Symposium Moderator/Organizer, Pavlovian Society, Annapolis, MD, October, 2000.

Symposium Moderator/Organizer, Neurobehavioral Teratology Society, West Palm Beach, FL, June, 2000.

Council Member, Neurobehavioral Teratology Society, 1999-2001

Public Affairs Committee, Neurobehavioral Teratology Society, 1999-present

Past-President, Neurobehavioral Teratology Society, 1998-1999

President, Neurobehavioral Teratology Society, 1997-1998

President-Elect, Neurobehavioral Teratology Society, 1996-1997

Finance Committee, Neurobehavioral Teratology Society, 1997-1999, (Chair in 1999).

Symposium Moderator/Organizer, Neurobehavioral Teratology Society, San Diego, CA, June 1998.

Symposium Moderator/Organizer, Neurobehavioral Teratology Society, Keystone, CO, June 1996.

Session Chair, International Society for Developmental Psychobiology, San Diego, CA, November, 1995.

Steering Committee, Winter Conference on Current Issues in Developmental Psychobiology, 1995-present

Secretary, Neurobehavioral Teratology Society, 1994-1996.

Symposium Moderator/Organizer, International Society for Developmental Psychobiology, Islamorada, FL, November, 1994.

Publications Committee, Neurobehavioral Teratology Society, 1992-1995.

Awards Committee, Neurobehavioral Teratology Society, 1992-1995.

Symposium Moderator/Organizer, Neurobehavioral Teratology Society, Boca Raton, Florida, June 1992

Session Chair, International Society for Developmental Psychobiology, San Francisco, California, October, 1989.

Session Chair, International Society for Developmental Psychobiology, Toronto, Canada, November, 1988

Grant Review

Ad Hoc Member, Special Emphasis Panel/Scientific Review Group, ZHD1 DSR-H (55) 1, Intellectual and Developmental Disabilities Research Centers (IDDRCs) Review Meeting, Washington, D.C. (phone review), April 21-22, 2020.

Ad Hoc Reviewer, Grant Review Study Section, "Biobehavioral & Behavioral Sciences Subcommittee" (CHHD-H) Washington, DC, November 3, 2017.

Ad Hoc Reviewer, Grant Review Study Section, "Biobehavioral & Behavioral Sciences Subcommittee" (CHHD-H) Washington, DC, June 14, 2017.

Ad Hoc Reviewer, Grant Review Study Section, "Biobehavioral & Behavioral Sciences Subcommittee" (CHHD-H) Washington, DC, March 31, 2017.

Ad Hoc Member, Special Emphasis Panel/Scientific Review Group, ZTR1 DPI-2 (01), Bench Testing Therapeutic/Indication Pairing Strategies (UH2/UH3), Internet Assisted Meeting (no location), February 27-March 1, 2017.

Ad Hoc Reviewer, Agence Nationale de la Recherche, Département Biologie Santé 50, Paris, France, May 9th, 2016.

Ad Hoc Member, Special Emphasis Panel/Scientific Review Group, ZTR1 DPI-2 (01), Pre-clinical Research Based on Existing Repurposing Tools, Internet Assisted Meeting (no location), May, 18, 2016.

Ad Hoc Member, Special Emphasis Panel/Scientific Review Group, Neurotoxicology and Alcohol (NAL), San Francisco, CA, February, 19, 2016.

Ad Hoc Member, Special Emphasis Panel/Scientific Review Group, ZRG1 IFCN-C (03) M Alcohol, Drugs & Heavy Metals, Internet Assisted Meeting (no location), November 4, 2015.

Ad Hoc Member, Grant Review Study Section, "Biobehavioral Regulation, Learning and Ethology Study Section" (BRLE), National Institutes of Health, Division of Scientific Review, New Orleans, LA., October 29-30, 2015.

Ad Hoc Member, Special Emphasis Panel/Scientific Review Group, ZHD1 DSR-H (40) 1, Intellectual and Developmental Disabilities Research Centers (IDDRCs) Review Meeting, Washington, D.C., July 16-17, 2015.

Ad Hoc Member, Special Emphasis Panel/Scientific Review Group, ZRG1 IFCN-Z (03) M., Internet Assisted Meeting (no location), February 27, 2015.

Ad Hoc Member and Chair, Special Emphasis Panel/Scientific Review Group, ZHD1 DSR-K (DN), Telephone Conference Call (no location), December 10, 2014.

Ad Hoc Member, Special Emphasis Panel/Scientific Review Group, ZHD1 DSR-A (AG), Telephone Conference Call (no location), November 11, 2014.

Ad Hoc Member, Special Emphasis Panel/Scientific Review Group, ZRG1 IFCN-T (02) M, Internet Assisted Meeting (no location), October 22-23, 2014

Ad Hoc Member, Special Emphasis Panel/Scientific Review Group, ZHD1 DSR-H (ID), Washington, DC, July 21-22, 2014.

- Ad Hoc Member, Special Emphasis Panel/Scientific Review Group, ZHD1 DRG-H (AG) P, Telephone Conference Call (no location), April 11, 2014.
- Ad Hoc Member, Special Emphasis Panel/Scientific Review Group ZRG1-IFCN-T-02; Internet Assisted Meeting (no location), September 30 - October 1st, 2013
- Ad Hoc Member, Special Emphasis Panel/Scientific Review Group ZAA1 GG(61); Bethesda, MD, July 10, 2012.
- Ad Hoc Member, Special Emphasis Panel/Scientific Review Group 2010/01 CHHD-C meeting; Washington, DC, October 5, 2009.
- Ad Hoc Member, Special Emphasis Panel/Scientific Review Group ZHD1 MRG-C; Washington, DC, October 5, 2009.
- Ad Hoc Member, Special Emphasis Panel/Scientific Review Group 2010/01 ZRG1 IFCN-A; Washington, DC, September 22-23, 2009.
- Member, NIH Distinguished Editors Panel, ZRG1 BBBP-L (58), CSR, NIH, Washington, DC, July 20-21, 2009
- Ad Hoc Member, Special Emphasis Panel/Scientific Review Group 2009/05 ZHD1 MRG-C (GA); Washington, DC, April 6, 2009.
- Ad Hoc Member, Special Emphasis Panel/Scientific Review Group 2009/05 ZHD1 MRG-C (16); Washington, DC, March 23-24, 2009.
- Regular Member, October 2006 – June 2009, “Biobehavioral Regulation, Learning and Ethology Study Section” (BRLE), National Institutes of Health, Division of Scientific Review, Washington, D.C.
- Ad Hoc Member, Special Emphasis Panel/Scientific Review Group ZHD1 MRG-C (GA); Washington, DC, June 24, 2008.
- Member, *Ad hoc*, Grant Review Study Section, “Biobehavioral Regulation, Learning and Ethology Study Section” (BRLE), National Institutes of Health, Division of Scientific Review, Washington, D.C., February 9-10, 2006
- Member, *Ad hoc*, Zheng P01 Reverse Site Visit Review Panel, National Institute on Aging, National Institutes of Health, Division of Scientific Review, Gaithersburg, MD, June 16, 2005
- Member, *Ad hoc*, Grant Review Study Section, “Biobehavioral Regulation, Learning and Ethology Study Section” (BRLE), National Institutes of Health, Division of Scientific Review, Washington, D.C., June 9-10, 2005
- Member, *Ad hoc*, Grant Review Study Section, “Developmental Brain Disorders” (DBD), National Institutes of Health, Division of Scientific Review, Washington, D.C., November 4-5, 2004.
- Member, *Ad hoc*, Grant Review Study Section, “Biobehavioral Regulation, Learning and Ethology Study Section” (BRLE), National Institutes of Health, Division of Scientific Review, Washington, D.C., October 7-8, 2004
- Member, *Ad hoc*, Grant Review Study Section, “Biobehavioral Regulation, Learning and Ethology Study Section” (BRLE), National Institutes of Health, Division of Scientific Review, Washington, D.C., February 19-20, 2004.
- Member, *Ad hoc*, Grant Review Study Section, “Developmental Brain Disorders” (DBD), National Institutes of Health, Division of Scientific Review, Washington, D.C., October 23-24, 2003.

- Member, *Ad hoc*, Grant Review Study Section, "Biobehavioral and Behavioral Processes-1 (BBBP-1), National Institutes of Health, Division of Scientific Review, Washington, D.C., June 10-12, 2003.
- Member, *Ad hoc*, Special Emphasis Panel, "Biobehavioral and Behavioral Processes-1 (BBBP-1), National Institutes of Health, Division of Scientific Review, Washington, D.C., May 29, 2003.
- Member, *Ad hoc*, Special Emphasis Panel, "ZHD-1 MRG-C 09 R," National Institute of Child Health and Human Development, Bethesda, MD, November, 18, 2002.
- Member, *Ad hoc*, Grant Review Study Section, "Biobehavioral and Behavioral Processes-1 (BBBP-1), National Institutes of Health, Division of Scientific Review, Washington, D.C., October 24-25, 2002.
- Member, *Ad hoc*, Special Emphasis Panel, "ZHD1 DSR-A (GA)," National Institute of Child Health and Human Development, Bethesda, MD, March, 12, 2002.
- Member, *Ad hoc*, Special Emphasis Panel, "ZHD1 MCHG-B GA," National Institute of Child Health and Human Development, Bethesda, MD, August, 13, 2001.
- Member, *Ad hoc*, Grant Review Study Section, "Integrative Functional Cognitive Neuroscience-7 (IFCN-7), National Institutes of Health, Division of Scientific Review, Washington, D.C., October 12-13, 2000.
- Member, *Ad hoc*, Grant Review Study Session, "Psychobiology, Behavior and Neuroscience, National Institute of Mental Health, Division of Scientific Review, Rockville, MD, June 19-20, 1995.
- Member, *Ad hoc*, Grant Review Study Session, RFA-90-HD/MH-08: "Perinatal Behavioral Development, National Institute of Child Health and Human Development, Division of Scientific Review, Bethesda, MD, December 13-14, 1990.
- Reviewer of Grant Proposals (*Ad hoc*) for: Air Force Office of Scientific Research, Alzheimer's Association, March of Dimes, Marsden Fund, National Science Foundation, National Institutes of Health, National Institute of Mental Health, New York University, U.S. Environmental Protection Agency

Advisory

- Member, External Advisory Board, NIH Program Project Grant P01-HD085928, Effects of Perinatal Hypoxia-Ischemia on the Developing Cerebellum With and Without Prior Inflammation (Cynthia Bearer, PI, University of Maryland School of Medicine, Baltimore, MD, 2016-2021).
- Member, Internal Advisory Board, The Delaware Center for Neuroscience Research (COBRE Proposal, Dr. Melissa Harrington, PI), January 2011 – December 2017.
- Mentor to Dr. Tania Roth, Target Investigator; The Delaware Center for Neuroscience Research (COBRE Center Grant, Dr. Melissa Harrington, PI), January 2011 – September 2016.
- Mentor to Dr. Jaclyn Schwarz, Target Investigator; The Delaware Center for Neuroscience Research (COBRE Center Grant, Dr. Melissa Harrington, PI), January 2013 – May 2016.
- Member, Brain Research Advisory Group (BRAG), Mead Johnson Nutrition, Glenview, IL, 2011-2014.
- Member, External Advisory Board, NIH Program Project Grant P01HD039386, Brain and Behavior in Early Iron Deficiency, Betsy Lozoff, PI., University of Michigan, Ann Arbor, 2011-2013.

Member, Committee to Peer Review the Center for Development and Behavioral Neuroscience, Binghamton University, Binghamton, NY, October, 2008.

Member, Committee to Peer Review the Department of Psychology, Binghamton University, Binghamton, NY, October, 2007.

Member, External Advisory Board, NIH Program Project Grant P01HD039386, Brain and Behavior in Early Iron Deficiency, Betsy Lozoff, PI., University of Michigan, Ann Arbor, 2002-2005.

Service Activities, U.S. Environmental Protection Agency (1986-2001)

Risk Assessment Forum, U.S. Environmental Protection Agency, 1995-1998.

Participant and Workgroup Member, Manganese/MMT Conference, sponsored by U.S. EPA, Environmental Criteria and Assessment Office, and by the National Institutes of Environmental Health Sciences, Research Triangle Park, March 12-15, 1991.

Co-chair, Workgroup on Comparability of Endpoints Across Species in Developmental Neurotoxicity, Workshop on Qualitative and Quantitative Comparability of Human and Animal Developmental Neurotoxicity, Sponsored by the U.S. Environmental Protection Agency and National Institute on Drug Abuse, Williamsburg, Virginia, April, 1989.

Project Officer, Extramural Cooperative Agreements, U.S. Environmental Protection Agency, 1989-1997

Developmental Neurotoxicity Guidelines Workgroup, U.S. Environmental Protection Agency, 1988-2001

Numerous Neurotoxicology Division Workgroups, 1995-2001.

Service Activities, University of Delaware (2001-present)

Member, Planning Committee, Interdisciplinary Neuroscience Graduate (ING) Program, University of Delaware, October, 2019-present.

Advisory Board Member, Center for Teaching & Assessment of Learning, University of Delaware, September 2017-2020.

Chair, Animal Facility Scientific Advisory Committee, University of Delaware, April 2011-September 2020.

Member, Department Chair Search Committee, Department of Psychological & Brain Sciences, University of Delaware, November, 2018-May, 2019.

Member, College of Arts & Sciences Faculty Senate, University of Delaware, January- May, 2019.

Co-Director, Behavioral Neuroscience Area, Department of Psychological and Brain Sciences, January-August 2017.

Director, Behavioral Neuroscience Area, Department of Psychological and Brain Sciences, September 2010-December 2016.

Member, Advisory (or Executive) Committee, Department of Psychological and Brain Sciences, September 2006-2017.

Member, Graduate Committee, Department of Psychological and Brain Sciences, September 2001-2017. (Chair, 2003-2007).

Promotion & Tenure Committee, College of Arts & Science, September 2013-2014.

Member, Psychoneuroimmunology Faculty Search Committee, Department of Psychology, September 2011- present (Interim Acting Chair, December 2011-January 2012).

Member, Core Facilities Task Force, Research Office, University of Delaware, December 2010-2012.

Member, Social Neuroscience Faculty Search Committee, Department of Psychology, September-December, 2010.

Member, Animal Facility Scientific Advisory Committee, University of Delaware, October 2009-July 2010.

Co-Director, Behavioral Neuroscience Area, Department of Psychology, September 2009-August 2010.

Member, Committee to Plan the New Animal Care Facility, University of Delaware, May 2009-present.

Chair, Behavioral Neuroscience Faculty Search Committee, Department of Psychology, September 2008- August 2011.

Academic Peer Review Committee, Department of Psychology, September 2008-December 2009.

Member, Scientific Misconduct Inquiry Committee, Office of the Vice President for Research, Fall 2006.

Member, Psychology Chair Evaluation Committee, College of Arts & Sciences, Fall 2006.

Member, Behavioral Neuroscience Faculty Search Committee, Department of Psychology, September 2006-2007.

President, University of Delaware Chapter of Sigma Xi, 2006-2007

Director of Graduate Studies, Department of Psychology, January 2003- August, 2007

Chair, Awards Committee, University of Delaware Chapter of Sigma Xi, 2004-2005

Undergraduate Clinical Science Curriculum Committee, 2004-2005

Website Redesign Committee, Department of Psychology, 2004.

Chair, Behavioral Neuroscience Faculty Search Committee, Department of Psychology, September 2002-2003; 2003-2004.

Executive Committee, Department of Psychology, September 2003 – January 2004.

Coordinator, Behavioral Neuroscience Brown Bag Seminar, September-December, 2003.

Search Committee for Psychology Chair, College of Arts & Sciences, Spring 2002.

Niche Plan Committee, Department of Psychology, September 2001-May 2002 (Chair in 2002)

Undergraduate Committee, Department of Psychology, September 2001-May 2002

Invited Lectures and Seminars

Stanton, M.E. Mechanisms of context conditioning in the developing rat. Leaton Lecture, Department of Psychological & Brain Sciences, Dartmouth College, Hanover, NH, October 30, 2021.

Stanton, M.E. Mechanisms of context conditioning in the developing rat. Past-President's Address, Pavlovian Society, Iowa City, IA, October 5, 2018.

Stanton, M.E. Multiple memory systems and the ontogeny of eyelid conditioning in humans and rodent models. Symposium Presentation at the Society for Research on Child Development, Austin, TX, April 7th, 2017.

Stanton, M.E. Rodent models of human developmental neurocognitive disorders. New Mexico Alcohol Research Center, University of New Mexico, Albuquerque, NM, January 26, 2017.

- Stanton, M.E. Ontogeny of incidental learning: Contextual fear conditioning and object recognition. Learning, Development & Timing Workshop, New York University Child Study Center, New York, NY, October 3, 2016.
- Stanton, M.E. The ontogeny of learning in context. Symposium Presentation at the Pavlovian Society, Portland, OR, September 18, 2015.
- Stanton, M.E. Developmental psychobiology of conditioning and incidental learning. Presented at the Piglet Nutrition and Cognition Laboratory, University of Illinois-Urbana/Champaign, IL, September 1, 2015.
- Stanton, M.E. Developmental psychobiology of learning and memory: Animal models. Presented to the Expert Panel on Cognition in Toddlers, Mead Johnson Nutrition, Chicago, IL, June 25, 2015.
- Stanton, M.E. Ontogeny of timing in Pavlovian conditioning. Symposium Presentation at the Eastern Psychological Association, Philadelphia, PA, March 6, 2015.
- Stanton, M.E. Ontogeny of incidental learning. Presentation at Symposium in Honor of Carolyn Rovee-Collier, Eastern Psychological Association, Philadelphia, PA, March 6, 2015.
- Stanton, M.E. Animal models of human neurocognitive development. Intellectual and Developmental Disabilities Research Center, Children's National Medical Center, Washington, D.C., February 26, 2015.
- Stanton, M.E. Animal models of human neurocognitive development. Neuroscience Program, University of Illinois, Urbana-Champaign, IL October 14, 2014.
- Stanton, M.E. Using object-recognition paradigms to study rodent memory development. Presented to the Brain Research Advisory Group, Mead Johnson Nutrition, Columbia University, New York, NY, April 17, 2014.
- Stanton, M.E., Murawski, N.J., Jablonski, S.A. & Schiffino, F.L., Ontogeny of spatial learning: The context preexposure facilitation effect, Eastern Psychological Association Symposium, Development of learning, New York, NY, March, 3 2013.
- Stanton, M.E. Applications of eyeblink conditioning to developmental neurobehavioral disorders, Pavlovian Society, Jersey City, NJ, September, 2012.
- Stanton, M.E., Brown, K.L. & Murawski, N.J. Studies of Conditioned Eyeblink Response Timing in Normal and Abnormal Development, PUF Workshop on Emotion & Time, Paris, France, June, 2012.
- Stanton, M.E. Using Eyelid Conditioning to Study Fetal Alcohol Syndrome in Humans and Rodents. Center for Human Growth and Development, University of Michigan, Ann Arbor, MI, July, 2011.
- Stanton, M.E. Developmental Psychobiology of Learning and Memory: Animal Models. Presented to the Brain Research Advisory Group, Mead Johnson Nutrition, Glenview, IL, July, 2011.
- Stanton, M.E. Developmental Psychobiology of Eyeblink Conditioning, Department of Biology, Delaware State University, March, 2010.
- Stanton, M.E. Ontogeny of Learning: Effects of Neonatal Alcohol, Symposium Presentation, International Society for Developmental Psychobiology, Chicago, IL, October, 2010.
- Stanton, M.E. Developmental Psychobiology of Eyeblink Conditioning, Department of Psychology, Temple University, March, 2008.
- Stanton, M.E. Applications of eyeblink conditioning to neurodevelopmental disorders. Merrill Conference, Phoenix, AZ, March 12-14, 2008.

- Stanton, M.E. Developmental Psychobiology of Eyeblink Conditioning, Department of Physiology & Pharmacology, Drexel University School of Medicine, November 26, 2007.
- Stanton, M.E. Applications of Eyeblink Conditioning to Developmental Disorders: Autism and Fetal Alcohol Syndrome. Neuroscience Program, University of Medicine & Dentistry of New Jersey, May 2, 2007.
- Stanton, M.E. Developmental Psychobiology of Eyeblink Conditioning, Department of Psychology, University of Vermont, April 27, 2007.
- Stanton, M.E. Developmental Psychobiology of Eyeblink Conditioning, Department of Psychology, Rutgers University, April 20, 2007.
- Stanton, M.E. Developmental Psychobiology of Eyeblink Conditioning, Behavioral Neuroscience Area, Yale University, April 5, 2007.
- Stanton, M.E. Developmental Psychobiology of Eyeblink Conditioning, Symposium Presentation, Eastern Psychological Association, March 23, 2007.
- Stanton, M.E. Applications of Eyeblink Conditioning to Developmental Neurotoxicology: Autism and Fetal Alcohol Syndrome. Duke University Medical Center, March 2, 2007.
- Stanton, M.E. Contributions of the Model Systems Approach to the Developmental Psychobiology of Learning: A Tribute to Richard F. Thompson. Symposium Presentation, Pavlovian Society, Philadelphia, PA, September 2006.
- Stanton, M.E. Multiple Memory Systems: Comparative and Developmental Studies from a Pavlovian Perspective. Presidential Address, International Society for Developmental Psychobiology, Washington, D.C., November, 2005.
- Stanton, M.E. Integrating Animal and Human Research on Fetal Alcohol Syndrome: The Eyeblink Conditioning paradigm. Collaborative Initiative on Fetal Alcohol Spectrum Disorders, NIAAA, Indianapolis, January, 2005
- Stanton, M.E. Developmental Psychobiology of Eyeblink Conditioning in Rodents and Humans. School of Education, University of Delaware, Newark, DE, November, 2004
- Stanton, M.E. Learning and Memory. Experimental Neurogenetics of the Mouse. Tennessee Mouse Genome Consortium, FEDEX Institute of Technology, Memphis, May, 2004
- Stanton, M.E. & Arndt, T. Simple Behaviors that Characterize Autism. University of Rochester Medical Center, October, 2004.
- Stanton, M.E. Eyeblink Conditioning in Autism and a Rodent Model. International Society for Developmental Neuroscience, Edinburgh, Scotland, August, 2004.
- Stanton, M.E. Discrimination Learning and Reversal after Prenatal Valproic Acid Exposure in the Rat. Collaborative Program of Excellence on Autism, NICHD, Bethesda, MD, May, 2004
- Stanton, M.E. Ontogeny of Eyeblink Conditioning in Rodents and Humans American Psychological Association, Toronto, Ontario, Canada, August, 2003
- Stanton, M.E., Herbert, J., Arndt, T., & Rodier, P. Eyeblink Conditioning in Autism and a Rodent Model. Collaborative Program of Excellence on Autism, NICHD, Los Angeles, CA, May, 2003
- Stanton, M.E. Developmental Assessment of Learning and Memory: Strengthening the Link Between Human And Animal Studies. 8th International Symposium on Neurobehavioral Methods and Effects in Occupational and Environmental Health, Brescia, Italy, 23-26 June, 2002.

- Stanton, M.E. Developmental Psychobiology of Eyeblink Conditioning. Sackler Center for Developmental Psychobiology, Columbia University, New York, NY, May 2002.
- Stanton, M.E. Developmental Psychobiology of Eyeblink Conditioning. Winter Conference on Current Issues in Developmental Psychobiology, Aruba, January 2002.
- Stanton, M.E. Developmental psychobiology of learning and its disorders: Strengthening the link between animal and human research. Department of Psychology, University of Delaware, Newark, DE, February, 2001.
- Stanton, M.E. Multiple memory systems, development and conditioning. Department of Psychology, University of Delaware, Newark, DE, February, 2001.
- Stanton, M.E. Rodent models of cognitive development: Applications to developmental neurobehavioral disorders. Mental Retardation and Developmental Disabilities Research Center, University of North Carolina, Chapel Hill, NC, September, 2000.
- Stanton, M.E. Developmental studies of eyeblink conditioning in human infants and an animal model: Applications to fetal alcohol research. Fetal Alcohol Syndrome Study Group, Research Society for Alcoholism, Denver CO, June, 2000.
- Stanton, M.E. Eyeblink conditioning in autism and an animal model. International Behavioral Neuroscience Society, Denver, CO, April, 2000.
- Stanton, M.E. Developmental studies of eyeblink conditioning in human infants and an animal model. NIAAA Workshop on Early Childhood Neurobehavioral Assessment, Bethesda, MD, March, 2000.
- Stanton, M.E. Eyeblink conditioning as a model system for studying learning in developmental neurotoxicology. Department of Obstetrics and Gynecology, Wayne State University School of Medicine, February, 2000.
- Stanton, M.E. Eyeblink conditioning as a model system for studying learning in neurobehavioral toxicology. Integrated Toxicology Curriculum, Duke University, Durham, NC, November, 1999.
- Stanton, M.E. Multiple memory systems, development, and conditioning. Department of Neurobiology and Anatomy, University of Texas School of Medicine, Houston, TX, November, 1999.
- Stanton, M.E. Multiple memory systems, development, and conditioning. Center for Developmental Cognitive Neuroscience, Eunice Kennedy Shriver Center, Waltham, MA, October, 1999.
- Stanton, M.E. Eyeblink conditioning as a model system for studying learning in neurobehavioral toxicology. Annual Wright-Patterson Conference, Wright-Patterson Airforce Base, Dayton, OH, April, 1999.
- Stanton, M.E. Multiple memory systems, development, and conditioning. Center for Developmental Psychobiology, Binghamton University, Binghamton, NY, April, 1999.
- Stanton, M.E. Development of hippocampal-dependent memory in rodents. Invited symposium presentation at the Annual Winter Conference on Neural Plasticity, St. Lucia, February, 1999.
- Stanton, M.E. Animal models of cognitive development in neurotoxicology. School of Public Health, University of Michigan, Ann Arbor, MI March, 1999.
- Stanton, M.E. Developmental psychobiology of learning and its disorders: Strengthening the link between animal and human research. Center for Human Growth and Development, University of Michigan, Ann Arbor, MI March, 1999.

- Stanton, M.E. Developmental psychobiology of learning and its disorders: Strengthening the link between animal and human research. Department of Psychology, Wayne State University, Detroit, MI February, 1999.
- Stanton, M.E. Developmental studies of eyeblink conditioning. Invited symposium presentation at the 23rd Winter Conference on Neurobiology of Learning and Memory, Park City, Utah, January, 1999.
- Stanton, M.E. Pavlovian conditioning of the eyeblink reflex in the developing rat: A multiple memory systems perspective. Annual Meeting of the Pavlovian Society, Dusseldorf, Germany, October, 1998.
- Stanton, M.E. Multiple memory systems, development, and conditioning. The Sixth Neuropharmacology Conference, "Cortical Plasticity, The Representation of Experience," Berlin, June, 1998.
- Stanton, M.E. Multiple memory systems, development, and conditioning. Graduate Program in Biobehavioral Sciences, University of Connecticut, May, 1998.
- Stanton, M.E. Developmental psychobiology of learning and memory. Department of Behavioral Neuroscience, Oregon Health Sciences University, November, 1997.
- Stanton, M.E. Multiple memory systems, development, and conditioning. Department of Psychology, Princeton University, April, 1997.
- Stanton, M.E. Multiple memory systems, development, and conditioning. Department of Psychology, Duke University, September, 1996.
- Barone, S., Jr., Mundy, W.R., & Stanton, M.E. Neurotoxic effects of neonatal triethyltin are exacerbated with aging. Neurobehavioral Teratology Society, Keystone, CO, June 1996.
- Stanton, M.E. Animal models of cognitive development in neurotoxicology. Symposium on Developmental Neurotoxicology, Integrated Toxicology Curriculum, Duke University Medical Center, October, 1995.
- Stanton, M.E. Multiple memory systems, development, and endocrine regulation. Festschrift for Seymour Levine, Tucson, AZ, October, 1995.
- Stanton, M.E. Behavioral studies of developmental neurotoxicity: Animal models. Workshop on Developmental Neurotoxicology of the Neonate, Institute for Environmental Health, University of Leicester, Leicester, England, March, 1995.
- Stanton, M.E. Eyeblink conditioning in the developing rat: An animal model of learning in developmental neurotoxicology. Integrated Toxicology Curriculum, Duke University Medical Center, Durham, NC, October, 1993.
- Stanton, M.E. Developmental neurotoxicity: Methods and interpretation. Toxicological Interpretation of Neurobehavioral Data: 18th Rochester Conference on Environmental Toxicity, June, 1992.
- Stanton, M.E. The role of motor activity in the assessment of neurotoxicity. Toxicological Interpretation of Neurobehavioral Data: 18th Rochester Conference on Environmental Toxicity, June, 1992.
- Stanton, M.E. Animal models of cognitive development in neurotoxicology. Neurology Grand Rounds, University of North Carolina School of Medicine, Chapel Hill, NC, May, 1991.
- Stanton, M.E. Developmental psychobiology of learning and memory. Department of Psychology Colloquium Series, University of North Carolina, Chapel Hill, NC, April, 1991.

- Stanton, M.E. Tests of learning and memory in developmental neurotoxicology. Southwest Research Institute, San Antonio, TX, April, 1991.
- Stanton, M.E. Developmental neurobehavioral toxicology. Department of Pharmacology, University of North Carolina, Chapel Hill, NC, February 1988.
- Levine, S., Stanton, M.E., Rosenfeld, P., & De Kloet, R. Adrenal hormones and development. Presented at the Symposium on Steroid Hormones, Brain Development, and Behavior. International Society for Developmental Psychobiology, Toronto, Canada, November 1988.
- Stanton, M.E. Developmental aspects of psychoendocrine regulation in the rat. Program in Neurobiology, University of North Carolina, Chapel Hill, NC, November 1987.
- Stanton, M.E. Testing theories of learning with developmental data. Department of Psychology, Duke University, Durham, NC, February 1987.
- Stanton, M.E. Role of hippocampus in the ontogeny of learning. Department of Psychology, University of North Carolina, Chapel Hill, NC, October 1986.
- Stanton, M.E. The developmental psychobiology of learning. Neurotoxicology Division, U.S. EPA, Research Triangle Park, NC, August 1985.

Research Interests

- Developmental Psychobiology
- Neurobiology of Learning
- Cognitive Neuroscience
- Developmental Neurotoxicology

Teaching Interests

- Developmental Psychobiology
- Learning and Cognition
- Cognitive Neuroscience

Courses Offered, University of Delaware 2001-present

- Psychology 312, Learning and Motivation (Undergraduate Lecture)
- Neuroscience 630 (formerly Psyc667) Integrative Neuroscience-II (Graduate Core Course)
- Neuroscience 368 (Undergraduate Research Practicum Seminar)
- Neuroscience 667/467-80, Learning, Memory and the Brain (Graduate Seminar)
- Psychology/Neuroscience 667, Developmental Behavioral Neuroscience (Graduate Seminar)
- Neuroscience 667, Learning, Memory and the Brain (Graduate Seminar)
- Psychology 868, Individual Graduate Research Practicum
- Psychology 964, Pre-Candidacy Graduate Research Supervision
- Neuroscience 631, Developmental Behavioral Neuroscience

Undergraduate Research Mentoring

- Miranda Partie, undergraduate research assistant, Spring 2019 – Spring 2020.
- Claudia Pinizzotto, undergraduate research assistant, September 2017-Spring 2020, Senior Thesis, Fall 2019-Spring 2020.
- Colin Horgan, NSCI368 student, undergraduate research assistant, July 2017- Spring 2020.
- Brittany Vetter, NSCI368 student, undergraduate research assistant, February-May 2018.

Allison (Ally) Bannon, Psyc366 student, undergraduate research assistant, January-September, 2018.

Hannah Duffly, undergraduate research assistant, June-August 2017

Peter Jenny, undergraduate research assistant, June-August 2017

Lauren Miller, NSCI368 student, undergraduate research assistant, September 2015-May 2017.

Maria Kontis, NSCI368 student, undergraduate research assistant, September 2016-January 2017.

Victoria Long, undergraduate research assistant, NSCI368 student, June 2015-May 2016.

Katlyn Buban, Psyc366 student, undergraduate research assistant, Senior Thesis, September 2014 – May 2016.

Hollie Sanders, Undergraduate Research Fellow, Senior Thesis, Research assistant, June 2014 – May 2016.

Jacob Wilmot, Undergraduate Research Fellow, Senior Thesis, June 2013 – May 2015.

Adam Ramsaran, Undergraduate Research Scholar, Senior Thesis, June 2013 – May 2015 (awarded Goldwater Fellowship in 2014 and NSF Predoctoral Fellowship in 2015).

Lauren Brennan, Undergraduate Research Assistant and Senior Thesis, June 2012 – 2014.

Sara Westbrook, Undergraduate Research Fellow and Senior Thesis, June 2012 – May 2013.

Eric Landsberg, NSCI368, Fall 2012.

Alexander “Jock” Gilchrist, Psyc366 student, Spring 2011, Summer Scholar, June 2011 – December 2011.

Andrea Druga, Psyc366 student, Spring 2011, Summer Scholar, June 2011 – December 2011.

Kelsey Holiday, Psyc366 student, Spring 2011.

Julie Nahm, Psyc366 student, Spring 2011.

Chelsea Cimino, Undergrad Research Assistant, Fall 2011.

Lisa Dokovna, Psyc366 student, Spring 2010, Science & Engineering Scholar, June 2010 – January 2011. Senior Thesis Student, 2011-2012 academic year. Sigma Xi Undergraduate Thesis Award Winner, 2012.

Randy Strauss, Psyc366 student, Fall 2010.

Phil Licari, Undergrad Research Assistant (Winter 2010)

Sarah Solomon, Science & Engineering Scholars Program, June 2009-January 2010. Sigma Xi Undergraduate Thesis Award Winner, 2011 (A. Papafragou sponsor).

Kathryn Kelly, Undergraduate Research Assistant, September 2007-July 2008.

Varudhini Reddy, Undergraduate Summer Fellow, July-August, 2008

Rosemarie Perry, Undergraduate Research Assistant, Senior Thesis Student, September 2008-May, 2010, Won Department Research Award.

Katie Thompson, Undergraduate Research Fellow, Senior Thesis Student June 2008 – December 2009.

Felipe Schiffino, Science & Engineering Scholars Program, June 2007-January 2008; Senior Thesis, September 2008 – May 2009 Recipient of ISDP Student Travel Award, November 2008, Won Department Research Award; Sigma Xi Undergraduate Thesis Award Winner, 2009.

Brian Duong, Undergraduate Research Assistant, January 2007-May, 2008; Recipient of ISDP Student Travel Award, October 2007

Mariel Herbert, Science & Engineering Scholar, June 2006 – May 2007; Coauthored article in *Behavioral Neuroscience*, 2009.

Jenna Cohen, Senior Thesis, September 2006 – May 2007; Sigma Xi Undergraduate Thesis Award Winner.

Graduate Research Mentoring

Nicholas Heroux, Graduate Student, July 2014-January 2020. NIH NRSA Awardee (see Grant & Awards) University of Delaware.

Lauren Miller, 4+1 M.S. Neuroscience student, June 2017-May 2018. University of Delaware

Patrese Robinson-Drummer, August 2012-January 2018 (UD Graduate Scholar, September 2013- May, 2015; UD Dissertation Fellow, September 2016-May 2017). University of Delaware

Hollie Sanders, 4+1 M.S. Neuroscience student, June 2016 – May, 2017. University of Delaware

Katelyn Buban, 4+1 M.S. Neuroscience student, June 2016 – May, 2017. University of Delaware

Lauren Brennan, 4+1 M.S. Neuroscience student, June-October, 2014. University of Delaware

Sara Westbrook, 4+1 M.S. Neuroscience student, June 2013 – May, 2014. University of Delaware

William Schreiber, September, 2010- November, 2013 University of Delaware

Sarah Jablonski, 2008-April, 2014, NIH NRSA Awardee (see Grant & Awards). University of Delaware

Nathen Murawski, 2006-2011, NIH NRSA Awardee (see Grant & Awards); Thesis title: The neural basis of context learning in a rat model of fetal alcohol spectrum disorders. University of Delaware

Deb Watson, 2003-2009, NIH NRSA Awardee (see Grant & Awards); Thesis title: The neurobiology of spatial reversal learning in weanling rats: An analysis of hippocampus, prefrontal cortex, and striatum. University of Delaware

Kevin Brown, 2002-2008, NIH NRSA Awardee (see Grant & Awards); Thesis title: The ontogeny of dual-interstimulus interval eyeblink classical conditioning in a rat model of fetal alcohol spectrum disorder. University of Delaware

Christy Carter, 1991-1998, NIH NRSA Awardee (see Grant & Awards); Thesis title: Fear versus reflex components of latent inhibition of eyeblink conditioning in the infant rat. University of North Carolina at Chapel Hill.

John Freeman, 1989-1994, NIH NRSA Awardee (see Grant & Awards); Thesis title: Role of cerebellar maturation in the ontogeny of eyeblink conditioning in rats. University of North Carolina at Chapel Hill.

Postdoctoral Research Mentoring

Michael Burman, Ph.D. (U. Minnesota), Postdoc, 2006-2008

Lyngine Calizo, Ph.D. (U. Pennsylvania), Postdoc, 2004- 2006

Kathy Chadman, Ph.D. (U. Michigan-Ann Arbor), Postdoc, 2003-2006

Jane S. Herbert, Ph.D. (U. Otago, New Zealand), Postdoc, 2000-2002
 Dragana Ivkovich Claflin, Ph.D. (U. Southern California), Postdoc, 1995-2000, NIH NRSA
 Awardee (see Grants & Awards).

Other Teaching Activities, University of Delaware 2001-present

- Stanton, M.E. (PI), & Pagani, J.H. (Co-I), "Using Technology to Implement the Modified Keller Method," Technology Enhanced Course Redesign Grant, Center for Teaching Effectiveness, University of Delaware, \$20,000, 2003-2006.
- Stanton, M.E. Online Testing. Presentation at the Extravaganza for Winter Teaching, Learning and Technology Institute, University of Delaware, January, 2004.
- Pagani, J.H., Schakelman, J., Whisler, J., & Stanton, M.E. (2004). Using WebCT to implement a secure testing environment. Paper presented at the 2nd Annual Northeast Region WebCT Conference, Philadelphia, PA, April 2004.

Bibliography

Journal Articles

132. Stanton, M.E., Murawski, N.J., Jablonski, S.A., Robinson-Drummer, P.A., & Heroux, N.A. Mechanisms of Context Conditioning in the Developing Rat. (2021) *Neurobiology of Learning & Memory* [Epub ahead of print. Jan 19].
131. Pinizzotto, C.C., Heroux, N.A., Horgan, C.J. & Stanton, M.E. (2020) Role of dorsal and ventral hippocampal muscarinic receptor activity in acquisition and retention of contextual fear conditioning. *Behavioral Neuroscience*, 134(5):460-470.
130. Sanders, H.R., Heroux, N.A., & Stanton, M.E. (2020) Infant rats can acquire, but not retain contextual associations in object-in-context and contextual fear conditioning paradigms. *Developmental Psychobiology*, 62(8):1158-1164 [Epub May 22, 2020].
129. Miller, L.A., Heroux, N.A., & Stanton, M.E. (2020) NMDA receptors and the ontogeny of post-shock and retention freezing during contextual fear conditioning. *Developmental Psychobiology*, 62(3):380-385 [Epub Oct 17, 2019].
128. Heroux, N.A., Horgan, C.J., Pinizzotto, C.C., Rosen, J.B., & Stanton, M.E. (2019) Medial prefrontal and ventral hippocampal contributions to incidental context learning and memory in adolescent rats. *Neurobiology of Learning & Memory*, 166, xxx-xxx [Epub Sep 19, 2019].
127. Heroux, N.A., Horgan, C.J., Rosen, J.B., & Stanton, M.E. (2019) Cholinergic rescue of neurocognitive insult following third-trimester equivalent alcohol exposure in rats. *Neurobiology of Learning & Memory*, [Epub June 8, 2019].
126. Heroux, N.A., Robinson-Drummer, P.A., Kawan, M., Rosen, J.B., & Stanton, M.E. (2019) Neonatal ethanol exposure impairs long-term context memory formation and prefrontal immediate early gene expression in adolescent rats. *Behavioral Brain Research*, 359, 386-395 [Epub Nov 14, 2018].
125. Miller, L.A., Heroux, N.A., & Stanton, M.E. (2019) Differential involvement of amygdalar NMDA receptors across variants of contextual fear conditioning in adolescent rats. *Behavioral Brain Research*, 356, 236-242, [Epub Aug 22, 2018].
124. Jablonski, S.A., Robinson-Drummer, P.A., Schreiber, W.B., Asok, A., Rosen, J.B., & Stanton, M.E. (2018) Impairment of the context preexposure facilitation effect in juvenile rats by neonatal alcohol exposure is associated with decreased Egr-1

- mRNA expression in the prefrontal cortex. *Behavioral Neuroscience*, 132, 497-511 [Epub Oct 22, 2018].
123. Stanton, M.E. (2018) Editorial: 2016 Annual Meeting of the Pavlovian Society. *Neurobiology of Learning & Memory*, 153(Pt B), 117.
 122. Jacobson, S.W., Carter, R.C., Molteno, C.D., Stanton, M.E., Herbert, J.S., Lindinger, N.M., Lewis, C.E., Dodge, N.C., Hoyme, H.E., Zeisel, S.H, Meintjes, E.M., Duggan, C.P., & Jacobson, J.L. (2018) Efficacy of maternal choline supplementation during pregnancy in mitigating adverse effects of prenatal alcohol exposure on growth and cognitive function: A randomized, double-blind, placebo-controlled clinical trial. *Alcohol: Clinical and Experimental Research*, 42, 1327-1341. [Epub Jun 15, 2018].
 121. Robinson-Drummer, P.A., Chakraborty, T., Heroux, N.A., Rosen, J.B., & Stanton, M.E. (2018) Age and experience dependent changes in Egr-1 expression during the ontogeny of the context preexposure facilitation effect (CPFE). *Neurobiology of Learning & Memory*, 150, 1-12 [Epub Feb 13, 2018].
 120. Heroux, N.A., Osborne, B.F., Miller, L.A., Kawan, M., Buban, K.N., Rosen, J.B., & Stanton, M.E. (2018) Differential expression of the immediate early genes c-Fos, Arc, Egr-1, and Npas4 during long-term memory formation in the context preexposure facilitation effect (CPFE). *Neurobiology of Learning & Memory*, 147, 128-138. [Epub Dec 6, 2017].
 119. Heroux, N.A., Robinson-Drummer, P.A., Sanders, H.R., Rosen, J.B., & Stanton, M.E. (2017) Differential involvement of the medial prefrontal cortex across variants of contextual fear conditioning. *Learning & Memory*, 24(8), 322-330.
 118. Bucci, D. & Stanton, M. (2017) Ontogeny of learning and memory. *Neurobiology of Learning & Memory*, 143, iv.
 117. Robinson-Drummer, P.A., Heroux, N.A., & Stanton, M.E. (2017) Antagonism of muscarinic acetylcholine receptors in medial prefrontal cortex disrupts the context preexposure facilitation effect. *Neurobiology of Learning & Memory*, 143, 27-35.
 116. Ramsaran, A.I., Sanders, H.R., & Stanton, M.E. (2016) Determinants of object-in-context and object-place-context recognition in the developing rat. *Developmental Psychobiology*, 58(7), 883-895.
 115. Cheng, D.T., Meintjes, E.M., Stanton, M.E., Dodge, N.C., Pienaar, M., Warton, C.M., Desmond, J.E., Molteno, C.D., Peterson, B.S., Jacobson, J.L., Jacobson, S.W. (2017) Functional MRI of Human Eyeblink Classical Conditioning in Children with Fetal Alcohol Spectrum Disorders. *Cerebral Cortex*, 27(7), 3752-3767. [Epub October 5th 2016].
 114. Fan, J., Jacobson, S.W., Taylor, P.A., Molteno, C.D., Dodge, N.C., Stanton, M.E., Jacobson, J.L., Meintjes, E.M. (2016) White matter deficits mediate effects of prenatal alcohol exposure on cognitive development in childhood. *Human Brain Mapping*, 37(8), 2943-2958.
 113. Robinson-Drummer, P.A., Dokovna, L.B., Heroux, N.A., & Stanton, M.E. (2016) Cholinergic Mechanisms of the Context Preexposure Facilitation Effect in Adolescent Rats. *Behavioral Neuroscience*, 130(2):196-205 [Epub Feb 11, 2016].
 112. Chakraborty, T, Asok, A., Stanton, M.E., & Rosen, J.B. (2016) Variants of contextual fear conditioning induce differential patterns of Egr-1 activity within the young

- adult prefrontal cortex. *Behavioural Brain Research*, 302, 122-130, [Epub Jan 8, 2016].
111. Heroux, N.A., Robinson-Drummer, P.A., Rosen, J.B., & Stanton, M.E. (2016) NMDA receptor antagonism disrupts acquisition and retention of the context preexposure facilitation effect in adolescent rats. *Behavioural Brain Research*, 301, 168-177 [Epub Dec 19, 2015].
110. Cheng, D.T., Jacobson, S.W., Jacobson, J.L., Molteno C.D., Stanton, M.E., & Desmond, J.E. (2015) Eyeblink classical conditioning in alcoholism and fetal alcohol spectrum disorders.. *Frontiers in Psychiatry*, 6, 155-161.
109. Ramsaran, A.I., Westbrook, S.R., & Stanton, M.E. (2016) Ontogeny of object-in-context recognition in the rat. *Behavioural Brain Research*, 298 (Pt A), 37-47 [Epub Apr 17, 2015].
108. Fan, J., Meintjes, E.M., Molteno, C.D., Spottiswoode, B.S., Dodge, N.C., Alhamud, A.A., Stanton, M.E., Peterson, B.S., Jacobson, J.L., & Jacobson, S.W. (2015) White matter integrity of the cerebellar peduncles as a mediator of effects of prenatal alcohol exposure on eyeblink conditioning. *Human Brain Mapping*, 36(7), 2470-2482 [Epub 2015 Mar 17].
107. Robinson-Drummer, P.A. & Stanton, M.E. (2015) Using the context preexposure facilitation effect to study long-term context memory in preweanling, juvenile, adolescent, and adult rats. *Physiology & Behavior*, 148, 22-28 [Epub, Dec. 24, 2014]
106. Westbrook SR, Brennan LE, Stanton ME. (2014) Ontogeny of object versus location recognition in the rat: acquisition and retention effects. *Developmental Psychobiology*, 56(7),1492-1506 [Epub ahead of print, July 3, 2014].
105. Schreiber, W.B., Asok, A., Jablonski, S.A., Rosen, J.B., Stanton, M.E. (2014) Egr-1 mRNA expression patterns in the prefrontal cortex, hippocampus, and amygdala during variants of contextual fear conditioning in adolescent rats. *Brain Research*, 1576, 63-72. [Epub ahead of print, June 26, 2014].
104. du Plessis, L., Jacobson, J.L., Jacobson, S.W., Hess, A.T., van der Kouwe, A., Avison, M.J., Molteno, C.D., Stanton, M.E., Stanley, J.A., Peterson, B.S., Meintjes, E.M. (2014) An in vivo 1H magnetic resonance spectroscopy study of the deep cerebellar nuclei in children with fetal alcohol spectrum disorders. *Alcohol: Clinical and Experimental Research*, 38(5), 1330-1338. [Epub ahead of print, March 21, 2014].
103. Hamilton, G.F., Jablonski, S.A., Schiffino, F.L., St. Cyr, S.A., Stanton, M.E., & Klintsova, A.Y. (2014) Exercise and Environment as an Intervention for Neonatal Alcohol Effects on Hippocampal Adult Neurogenesis and Learning. *Neuroscience*, 265, 274-290.[Epub ahead of print, Feb 8, 2014].
102. Jablonski, S.A. & Stanton, M.E. (2014) Neonatal alcohol impairs the context preexposure facilitation effect in juvenile rats: Dose-response and post-training consolidation effects. *Alcohol*, 48(1), 35-42. [Epub ahead of print, Dec 2, 2013].
101. Asok, A., Schreiber, W.B., Jablonski, S.A., Rosen, J.B., & Stanton, M.E. (2013) Egr-1 increases in the prefrontal cortex following training in the context preexposure

- facilitation effect (CPFE) paradigm. *Neurobiology of Learning & Memory*, 106, 145-153. [Epub ahead of print Aug 22].
100. Jablonski, S.A., Schreiber, W.B., Westbrook, S.R., Brennan, L.E., Stanton, M.E. (2013) Determinants of novel object and location recognition during development. *Behavioural Brain Research*, 256, 140-150. [Epub ahead of print Aug 8].
99. Cheng, D.T., Meintjes, E.M., Stanton, M.E., Desmond, J.E., Pienaar, M., Dodge, N.C., Power, J.M., Molteno, C.D., Disterhoft, J.F., Jacobson, J.L., & Jacobson, S.W. (2014) Functional MRI of cerebellar activity during eyeblink classical conditioning in children and adults. *Human Brain Mapping*, 35(4), 1390-1403 [Epub ahead of print May 14, 2013].
98. Dokovna, L.B., Jablonski, S.A., & Stanton, M.E. (2013) Neonatal alcohol exposure impairs contextual fear conditioning in juvenile rats by disrupting cholinergic function. *Behavioural Brain Research* 248, 114-120. [Epub ahead of print Apr 8].
97. Murawski, N.J., Jablonski, S.A., Brown, K.L., & Stanton, M.E. (2013) Effects of neonatal alcohol dose and exposure window on long delay and trace eyeblink conditioning in juvenile rats. *Behavioural Brain Research*, 236(1), 307-318 [Epub Aug 28, 2012].
96. Murawski, N.J., Klintsova, A.Y., & Stanton, M.E. (2012) Neonatal alcohol exposure and the hippocampus in developing rats: Effects on behaviorally induced CA1 c-Fos expression, CA1 pyramidal cell number, and contextual fear conditioning. *Neuroscience*, 206, 89-99 [Epub ahead of print, Jan. 18].
95. Schreiber, W.B., St Cyr, S.A., Jablonski, S.A., Hunt, P.S., Klintsova, A.Y., Stanton, M.E. (2013) Effects of exercise and environmental complexity on deficits in trace and contextual fear conditioning produced by neonatal alcohol exposure in rats. *Developmental Psychobiology*, 55(5), 483-495 [Epub ahead of print May 29, 2012].
94. Johnson, T.B., Stanton, M.E., Goodlett, C.R., & Cudd, T.A. (2012) T-Maze Learning in Weanling Lambs. *Developmental Psychobiology*, 54(8), 785-797 [Epub ahead of print, Dec. 27, 2011].
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