DAVID J. BUCCI, PH.D.

Psychological & Brain Sciences Department
Dartmouth College
Hanover, NH 03755

david.j.bucci@dartmouth.edu
(603) 646-3439
http://dartmouth.edu/pbs/people/david-j-bucci

POSITIONS AND AFFILIATIONS

Current Positions and Affiliations

Chairman, Department of Psychological and Brain Sciences
Dartmouth College, Hanover, NH (2015 - present)

Ralph and Richard Lazarus Professor of Psychological and Brain Sciences and Human Relations
Dartmouth College, Hanover, NH (2016 - present)

Member, Graduate Program in Experimental and Molecular Medicine
Dartmouth Medical School, Hanover, NH (2005 – present)

Member, Center for Cognitive Neuroscience
Dartmouth College, Hanover, NH (2009 – present)

Previous Positions

Professor of Psychological and Brain Sciences
Dartmouth College, Hanover, NH (2013 – 2016)

Associate Professor of Psychological and Brain Sciences (tenured)
Dartmouth College, Hanover, NH (2008 – 2013)

Adjunct Associate Professor of Neurology
Dartmouth-Hitchcock Medical Center, Lebanon, NH (2010 – 2015)

Assistant Professor of Psychological and Brain Sciences
Dartmouth College, Hanover, NH (2004 – 2008)

Assistant Professor of Psychology
University of Vermont, Burlington, VT (2001 – 2004)

Adjunct Assistant Professor of Biology
University of Vermont, Burlington, VT (2001 – 2004)

Consulting Scientist
Nemogen, Inc., Providence, RI (2000 – 2001)

Postdoctoral Fellow
Departments of Psychology and Neuroscience, Brown University, Providence, RI (1998 – 2001)

Graduate Research Assistant
University of North Carolina, Chapel Hill, NC (1992 – 1998)

Assistant Research Scientist
Neuropharmacology Department, Bristol-Myers Squibb Co., Wallingford, CT (1990 – 1992)

EDUCATION

Ph.D. in Neurobiology, University of North Carolina, Chapel Hill (1998)
Dissertation: *Basal Forebrain Cholinergic Projections to Posterior Parietal Cortex: A Role in Attention* (mentors: Drs. Michela Gallagher and Peter C. Holland)

B.A. in Biology & Psychology (Honors), Wesleyan University, Middletown, CT (1990)
Thesis: *Use of an Avoidance Paradigm to Study Drug Effects on Cognitive Processes* (mentors: Drs. Harry M. Sinnamon and Sandra L. Moon)

HONORS AND AWARDS

- Endowed professorship: Ralph and Richard Lazarus Professor of Psychological and Brain Sciences and Human Relations
- Senior Scholar Award, American Academy of Child & Adolescent Psychiatry (2015)
- Pavlovian Research Award, Pavlovian Society, (2014)
- John M. Manley Huntington Award for Outstanding Research and Teaching (2008, 2013)
- Fellow, American Psychological Association (2011)
- Fellow, Association for Psychological Science (2011)
- Teagle Foundation Fellow (2013)
- Dartmouth College Postdoctoral Association Excellence in Mentorship Award (2010)
- Dartmouth College Graduate Faculty Mentor Award (2009)
- McLane Family Fellowship (2009)
- NARSAD Elizabeth Elser Doolittle Investigator (2007)
- National Science Foundation CAREER Award (2004)
- Martens Family Research Award (2007, 2010, 2013)
- Burroughs Wellcome Fund Career Award Nominee (2007)
- John Merck Scholars Program Nominee (2006)
- Keck Foundation Distinguished Young Scholar Award Nominee (2006)
- NIMH Postdoctoral Fellow, Individual National Research Service Award (1999-2001)
- NIMH Predoctoral Fellow, Individual National Research Service Award (1996-1998)
- Hoechst-Celanese/University of North Carolina Neuroscience Award (1996)
- Graduate School Merit Assistantship, University of North Carolina (1992-1994)
- Howard Hughes Medical Institute Life Sciences Fellowship (1989)
- Meserve Memorial Scholar (1986)

RESEARCH SUPPORT

Current Grant Support

National Science Foundation (IOS1353137)
Learning and Plasticity in Retro-Hippocampal Circuits
2014-2019; $725,000 (Principal Investigator)

National Institute of Mental Health (R01MH099054)
Neuromodulation of Cortical Circuits in Health and Disease
2013-2018; $2,025,000 (role: Co-Investigator)

National Institute on Drug Abuse (R01DA027688)
Nicotinic Acetylcholine Receptors and Inhibitory Behavior
2010-2016; $948,000 (Principal Investigator)

National Institute of Mental Health (F32MH092991)
Cortico-hippocampal Contributions to Context and Extinction Learning.
2014-2017; $155,346 (Sponsor)

National Institute of Mental Health (F31MH107138)
Mechanisms Underlying the Development of Inhibitory Behavior
2015-2017; $129,360 (Sponsor)

Rockefeller Center at Dartmouth College
Alleviating the Burden of PTSD: A Novel Hypothesis
2016-2017; $13,848 (Principal Investigator)

Previous Grant Support

National Institute of Mental Health (R01MH082893)
A Translational Approach to Evaluating the Effects of Physical Activity on ADHD
2009-2015; $724,732 (Principal Investigator)

National Science Foundation (IOS0922075)
Contributions of Retrosplenial Cortex to the Medial Temporal Lobe Memory System
2009-2014; $429,000 (Principal Investigator)

National Institute of Mental Health (F32MH092991)
Functional Neurobiology of the Retrosplenial Cortex During Associative Learning
2010-2013; $173,394 (Sponsor)

Hitchcock Foundation Grant, Dartmouth Medical School
Feasibility Study of Wireless Neural Probes
2012-2013; $30,000 (Co-Investigator)

National Science Foundation (IOS0922075 supplement)
Research Experience for Undergraduates
2010-2011; $6,000 (Principal Investigator)

National Science Foundation CAREER Award (IOS0441934)
Brain Mechanisms of Conditioned Stimulus Processing
2004-2010; $659,185 (Principal Investigator)

Dartmouth Neuroscience Center Collaborative/Translational Grant
Cholinergic Mechanisms Involved in Cue Discrimination
2008-2010; $30,000 (Co-Investigator)

Rockefeller Center at Dartmouth College
Physical Exercise: Effects on Brain Function and Behavior
2008-2009; $23,380 (Principal Investigator)

NARSAD Young Investigator Award
Elizabeth Elser Doolittle Investigator
Contributions of Kynurenic Acid to Cognitive Dysfunction in Schizophrenia
2007-2009; $60,000 (Principal Investigator)

National Institute on Alcohol Abuse and Alcoholism
Toward Optimal Treatment for Schizophrenia and Co-Occurring Alcohol Use Disorder: Integrating Biological, Cognitive and Psychosocial Models
2009; $100,000 (Co-Investigator)

Walter and Constance Burke Research Initiation Award
Exercise-induced Changes in Cognition and Neural Function
2007-2009; $12,500 (Principal Investigator)

National Institute of Mental Health/National Institute of Drug Abuse
Cholinergic Involvement in ADHD and Substance Abuse
2003-2007; $552,726 (Principal Investigator)

National Institute of Mental Health
Hormones in Sex-Different Developmental Psychopathology
2005-2007; $560,625 (Consultant)

Dartmouth Neuroscience Center Collaborative/Translational Grant
Alcohol-induced c-Fos Immunoreactivity in the Extended Amygdala in a Rat Model of Schizophrenia
2005-2007, $15,000 (Co-Investigator)

Walter and Constance Burke Research Initiation Award
Nicotinic Acetylcholine Receptors and Attention
2004-2007; $10,000 (Principal Investigator)

Dartmouth Neuroscience Center Collaborative/Translational Grant
Development of an Animal Model of Chemotherapy-induced Cognitive Dysfunction
2005-2006, $15,000 (Principal Investigator)

National Institute of Mental Health
Kynurenic Acid Regulation of Stimulus Processing
2005-2006; $51,855 (Sponsor)

Vermont Genetics Network, National Center for Research Resources and VT EPSCOR
Cortical Attention Systems and ADHD
2003-2005; $47,000 (Principal Investigator)

National Science Foundation
Research Experience for Undergraduates
Brain Mechanisms of Stimulus Processing
2005; $15,000 (Principal Investigator)

National Institute of Mental Health
Attentional Processing in Posterior Parietal Cortex
2002-2004; $75,500 (Principal Investigator)

National Science Foundation
Experimental Program to Stimulate Competitive Research
Spatial Learning Assessed with a Radial Arm Maze
2003-2004; $13,320 (Principal Investigator)

National Institute of Mental Health
Postdoctoral Individual National Research Service Award
Visuospatial Processing in Postrhinal Cortex
1999-2001; $75,000 (Principal Investigator)

National Institute of Mental Health
Predoctoral Individual National Research Service Award
Cholinergic Corticopetal System and Attention
1996-1998; $60,000 (Principal Investigator)

PUBLICATIONS

80. Meyer, H.C. and **Bucci, D.J.** (in press) *Imbalanced activity in the orbitofrontal cortex and nucleus accumbens impairs behavioral inhibition.* Current Biology.

79. Meyer, H.C. and **Bucci, D.J.** (in press) *Neural and behavioral mechanisms of proactive and reactive inhibition*. Learning and Memory.

78. Meyer, H.C. and **Bucci, D.J.** (in press) *Non-linear development of negative occasion setting.* Behavioural Processes.

77. Todd, T.P., Huszar, R. DeAngeli, N.E., and **Bucci, D.J.** (2016) *Higher-order conditioning and the retrosplenial cortex*. Neurobiology of Learning and Memory, 133, 257-264.

76. Todd, T.P., Mehlman, M.L., Keene, C.S., DeAngeli, N.E., and **Bucci, D.J.** (2016) *Retrosplenial cortex is required for the retrieval of remote memory for auditory cues*. Learning and Memory, 23, 278-288.

75. Smith, K.S., **Bucci, D.J.,** Luikart, B., Mahler, S. (2016) *DREADDs: Use and application in behavioral neuroscience*. Behavioral Neuroscience, 130, 137-155.

74. Meyer, H.C., Chodakewtiz, M.I., and **Bucci, D.J.** (2016) *Nicotine administration enhances negative occasion setting in adolescent rats*. Behavioural Brain Research, 302, 69-72.

73. Chang, S.E., Todd, T.P., **Bucci, D.J.,** and Smith, K.S. (2015) *Chemogenetic manipulation of ventral pallidal neurons impairs acquisition of sign- tracking in rats*. European Journal of Neuroscience, 42, 3105-3116.

72. Todd, T.P. and **Bucci, D.J.** (2015) *Retrosplenial cortex and long-term memory: Molecules to systems*. Neural Plasticity, article ID: 414173.

71. Robinson, A.M., Buttolph, T., Green, J.T., and **Bucci, D.J.** (2015) *Physical exercise affects attentional orienting behavior through noradrenergic mechanisms.* Behavioral Neuroscience, 129, 361-7.

70. Jordan, W.P., Todd, T.P., **Bucci, D.J.,** and Leaton, R.N. (2015) *Habituation, latent inhibition, and extinction*. Learning and Behavior, 43, 143-52.

69. Gauthier, A., DeAngeli, N.E., and **Bucci, D.J.** (2015) *Cross-fostering differentially affects ADHD-related behaviors in Spontaneously Hypertensive Rats.* Developmental Psychobiology, 57, 226-236.

68. Todd, T.P., Meyer, H.C., and **Bucci, D.J.** (2015) *Contribution of the restroplenial cortex to temporal discrimination learning*. Hippocampus, 25, 137-141.

67. DeAngeli, N.E., Todd, T.P., Chang, S., Yeh, H.H., Yeh, P., and **Bucci, D.J.** (2015) *Exposure to kynurenic acid during adolescence impacts autoshaping and long-term potentiation in adulthood.* Frontiers in Behavioral Neuroscience, 8, Article 451, doi: 10.3389/fnbeh.2014.00451.

66. Meyer, H.C., Putney, R.B., and **Bucci, D.J.** (2015) *Inhibitory learning is modulated by nicotinic acetylcholine receptors.* Neuropharmacology, 89, 360-367.

65. Meyer, H.C. and **Bucci, D.J.** (2014) *The contribution of medial prefrontal cortical regions to conditioned inhibition.* Behavioral Neuroscience, 128, 644-653.

64. Robinson, A.M. and **Bucci, D.J.** (2014) *Individual and combined effects of physical exercise and methylphenidate on orienting behavior and social interaction in spontaneously hypertensive rats.* Behavioral Neuroscience, 128, 703-712.

63. **Bucci, D.J.** and Robinson, S. (2014) *Toward a conceptualization of retrohippocampal contributions to learning and memory*. Neurobiology of Learning and Memory, 116, 197-207.

62. Robinson, S. Todd, T.P., Pasternak, A.R., Luikart, B.W., Skelton, P.D., Roth, B.L., Urban, D.J., and **Bucci, D.J.** (2014) *Chemogenetic silencing of retrosplenial cortex neurons disrupts sensory preconditioning.* Journal of Neuroscience, 34, 10982–10988.

61. Robinson, A.M. and **Bucci, D.J.** (2014) *Maternal exercise and cognitive functions of the offspring*. Cognitive Sciences, 7(2), 187-205.

60. Meyer, H.C. and **Bucci, D.J.** (2014) *The ontogeny of learned inhibition*. Learning & Memory, 21, 143-152.

59. Robinson, A.M. and **Bucci, D.J.** (2014) *Physical exercise during pregnancy enhances object recognition memory in adult offspring.* Neuroscience, 256, 53-60.

58. Iaccarino, H.F. Suckow, R.F., Xie, S., and **Bucci, D.J.** (2013) *The effect of transient Increases in kynurenic acid and quinolinic acid levels early in life on behavior in adulthood: Implications for Schizophrenia.* Schizophrenia Research, 150, 392-297.

57. Baxter, M.G. and **Bucci, D.J.** (2013) *Selective immunotoxic lesions of basal forebrain cholinergic neurons: Twenty years of research and new directions*. Behavioral Neuroscience, 127, 611-618.

56. Constantinidis, C. **Bucci, D.J.,** and Rugg, M.D. (2013) *Cognitive functions of the posterior parietal cortex*. Frontiers in Neuroscience, 7, Article 35, doi: 10.3389/fnint.2013.00035.

55. Robinson, A.M., Eggleston, R.L., and **Bucci, D.J.** (2012) *Physical exercise and catecholamine re-uptake inhibitors affect orienting behavior and social interaction in a rat model of ADHD.* Behavioral Neuroscience, 126, 762-771.

54. Robinson, S., Poorman, C.A., Marder, T.J., and **Bucci, D.J.** (2012) *Identification of functional circuitry between retrosplenial and postrhinal cortices during fear conditioning*. Journal of Neuroscience, 32, 12076-12086.

53. Robinson, S. and **Bucci, D.J.** (2012) *Damage to posterior parietal cortex impairs two forms of relational learning*. Frontiers in Neuroscience, 6, Article 45, doi: 10.3389/fnint.2012.00045

52. Robinson, S. and **Bucci, D.J.** (2012) *Anterograde and retrograde amnesia of contextual and auditory fear after damage to the postsubiculum.* Hippocampus, 22, 1481-1491.

51. Hopkins, M.E., Davis, F.C., VanTieghem, M., Whalen, P.J., and **Bucci, D.J.** (2012) *Differential effects of acute and regular physical exercise on cognition and affect*. Neuroscience, 215, 59-68.

50. Potter, A.S., **Bucci, D.J.,** and Newhouse, P.A. (2012) *Manipulation of nicotinic acetylcholine receptors differentially affects behavioral inhibition in human subjects with and without disordered baseline impulsivity*. Psychopharmacology, 220, 331-340.

49. Akagbosu, C.O., Evans, G.C., Gulick, D., Suckow, R.F. and **Bucci, D.J.** (2012) *Exposure to kynurenic acid during adolescence produces memory deficits in adulthood*. Schizophrenia Bulletin, 38, 769-778.

48. Trecartin, K.V. and **Bucci, D.J.** (2011) *Administration of kynurenine during adolescence, but not during adulthood, impairs social behavior in rats*. Schizophrenia Research, 133, 156-158.

47. Hopkins, M.E., Nitecki, R., and **Bucci, D.J.** (2011) *Physical exercise during adolescence versus adulthood: Differential effects on object recognition memory and BDNF expression.* Neuroscience, 194, 84-94.

46. Robinson, S., Keene, C.S., Iaccarino, H.F., Duan, D., and **Bucci, D.J.** (2011) *Involvement of the retrosplenial cortex in forming associations between multiple sensory stimuli.* Behavioral Neuroscience, 125, 578-587.

45. Robinson, A.R., Hopkins, M.E., and **Bucci, D.J.** (2011*) Effects of physical exercise on ADHD-like behavior in male and female adolescent Spontaneously Hypertensive Rats.* Developmental Psychobiology, 53, 383-390.

44. Hopkins, M.E. and **Bucci, D.J.** (2010) *Interpreting the effects of exercise on fear conditioning: The influence of time of day.* Behavioral Neuroscience, 24, 868-872.

43. MacLeod, J.E., Vucovich, M.M., and **Bucci, D.J.** (2010) *Differential effects of nicotinic acetylcholine receptor stimulation on negative occasion setting.* Behavioral Neuroscience, 124, 656-661.

42. Hopkins, M.E. and **Bucci, D.J.** (2010) *BDNF expression in perirhinal cortex is associated with exercise-induced improvement in object recognition memory.* Neurobiology of Learning and Memory, 94, 278-284.

41. MacLeod, J.E. and **Bucci, D.J.** (2010) *Contributions of the subregions of medial prefrontal cortex to negative occasion setting.* Behavioral Neuroscience, 124, 321-328.

40. Gulledge, A.T., **Bucci, D.J.,** Zhang, S., Matsui, M., and Yeh, H.H. (2009) *M1 receptors mediate cholinergic modulation of the excitability of neocortical pyramidal neurons.* Journal of Neuroscience, 29, 9888-9902.

39. Hopkins, M.E., Sharma, M., Evans, G.C., and **Bucci, D.J.** (2009) *Voluntary physical exercise alters attentional orienting and social behavior in rat model of attention-deficit/hyperactivity disorder.* Behavioral Neuroscience, 123, 599-606.

38. Chess, A.C., Landers, A.M., and **Bucci, D.J.** (2009) *L-kynurenine treatment alters contextual fear conditioning and context discrimination but not cue-specific fear conditioning*. Behavioural Brain Research, 201, 325-331.

37. Keene, C.S. and **Bucci, D.J.** (2009) *Damage to the retrosplenial cortex produces specific impairments in spatial working memory*. Neurobiology of Learning and Memory, 91, 408-414.

36. Kesner, R.P. and **Bucci, D.J.** (2009) *Attentional, perceptual, mnemonic and sensory-motor integration functions of the parietal cortex: a comparative approach*. Neurobiology of Learning and Memory, 91, 103. (preface to special issue)

35. **Bucci, D.J.** (2009) *Posterior parietal cortex: An interface between attention and learning?* Neurobiology of Learning and Memory, 91, 114-120.

34. Keene, C.S. and **Bucci, D.J.** (2008) *Neurotoxic lesions of retrosplenial cortex disrupt signaled and unsignalled contextual fear conditioning*. Behavioral Neuroscience, 122, 1070-1077.

33. Keene, C.S, and **Bucci, D.J.** (2008) *Involvement of the retrosplenial cortex in processing multiple conditioned stimuli*. Behavioral Neuroscience, 122, 651-658.

32. Keene, C.S. and **Bucci, D.J.** (2008) *Contributions of the retrosplenial and posterior parietal cortices to cue-specific and contextual fear conditioning*. Behavioral Neuroscience, 122, 89-97.

31. **Bucci, D.J.**, Hopkins, M.E., Keene, C.S., Sharma, M., and Orr, L.E. (2008) *Sex differences in learning and inhibition in spontaneously hypertensive rats*. Behavioural Brain Research, 187, 27-32.

30. **Bucci, D.J.**, Hopkins, M.E., Nunez, A.A., Breedlove, S.M., Sisk, C., and Nigg, J.T. (2008) *Effects of sex hormones on associative learning in the spontaneously hypertensive rat*. Physiology and Behavior, 93, 651-657.

29. **Bucci, D.J.** and MacLeod, J.E. (2007) *Changes in neural activation during a surprise-induced enhancement of attention*. European Journal of Neuroscience, 26, 2669-2676.

28. Keene, C.S. and **Bucci, D.J.** (2007) *Automated measure of conditioned orienting behavior in rats.* Behavior Research Methods, 39(2), 303-308.

27. **Bucci, D.J.** and Falls, W.A. (2007) *An undergraduate neuroscience seminar based on the annual meeting of the society for neuroscience*. Journal of Undergraduate Neuroscience Education, 5(2), A49-A52.

26. MacLeod, J.E., DeLeo, J., Hickey, W., Ahles, T.A., Saykin, A.J., **Bucci, D.J.** (2007) *Cancer chemotherapy impairs contextual but not cued fear conditioning in rats*. Behavioural Brain Research, 181, 168-172.

25. Chess, A.C., Simoni, M.K., Alling, T.E., and **Bucci, D.J.** (2007) *Elevations of endogenous kynurenic acid produce spatial working memory deficits*. Schizophrenia Bulletin, 33(3), 797-804.

24. Potter, A.S., Newhouse, P.N., and **Bucci, D.J.** (2006) *Central nicotinic cholinergic systems: A role in attention-deficit/hyperactivity disorder?* Behavioural Brain Research, 175, 201-211.

23. MacLeod, J.E., Potter, A.S., Simoni, M.K., and **Bucci, D.J.** (2006) *Nicotine administration enhances conditioned inhibition in rats*. European Journal of Pharmacology, 551, 76-79.

22. Arenos, J.D., Musty, R.E., and **Bucci, D.J.** (2006) *Blockade of cannabinoid CB1 receptors alters contextual learning and memory*. European Journal of Pharmacology, 539, 177-183.

21. Chess, A.C. and **Bucci, D.J**. (2006) *Increased levels of cerebral kynurenic acid alter stimulus processing and conditioned responding in rats*. Behavioural Brain Research, 170, 326-332.

20. Weltzin, M., Zhao, H., Drew, K.L., and **Bucci, D.J.** (2006) *Arousal from hibernation alters contextual learning and memory.* Behavioural Brain Research, 167, 128-133.

19. **Bucci, D.J**. and Chess, A.C. (2005) *Specific changes in conditioned responding following neurotoxic damage to the posterior parietal cortex*. Behavioral Neuroscience, 119, 1580-1587.

18. Chess, A.C., Keene, C.S., Wyzik, E.C., and **Bucci, D.J.** (2005) *Stimulus processing and associative learning in Wistar and WKHA rats.* Behavioral Neuroscience, 119, 772-780.

17. **Bucci, D.J.** and Burwell, R.D. (2004) *Deficits in attentional orienting following damage to postrhinal or perirhinal cortex*. Behavioral Neuroscience, 118, 1117-1122.

16. Zhao, H., **Bucci, D.J.**, Weltzin, M., and Drew, K.L. (2004) *Effects of aversive stimuli on learning and memory in arctic ground squirrels*. Behavioural Brain Research, 151, 219-224.

15. Burwell, R.D., **Bucci, D.J.,** Sanborn, M.R., and Jutras, M.J. (2004) *Perirhinal and postrhinal contribution to remote memory for context*. Journal of Neuroscience, 24, 11023-11028.

14. Burwell, R.D., Saddoris, M.P., **Bucci, D.J.**, and Wiig, K.A. (2004) *Corticohippocampal contributions to spatial and contextual learning*. Journal of Neuroscience, 24, 3826-3836.

13. **Bucci, D.J.**, Saddoris, M.P., and Burwell, R.D. (2002) *Damage to Postrhinal or Perirhinal Cortex Impairs Performance of a Contextual Fear Discrimination*. Behavioral Neuroscience, 116(3), 479-488.

12. Burwell, R.D., **Bucci, D.J.**, Wiig, K.A., Saddoris, M.P., and Sanborn, M.R. (2002) *Experimental lesions of the parahippocampal region in rats*. In: The Parahippocampal Region, Organization and Role in Cognitive Functions (M.P. Witter and F.G. Wouterlood, eds.).

11. **Bucci, D.J.**, Phillips, R.G., and Burwell, R.B. (2000) *Contributions of postrhinal and perirhinal cortices to contextual information processing*. Behavioral Neuroscience, 114(5), 882-894.

10. **Bucci, D.J.**, Conley, M.C., and Gallagher, M. (1999) *Thalamic and basal forebrain cholinergic connections of the rat posterior parietal cortex*. NeuroReport, 10(5), 941-945.

9. Baxter, M.G., **Bucci, D.J.**, Holland, P.C., and Gallagher, M. (1999) *Impairments in conditioned stimulus processing and conditioned responding after combined selective removal of hippocampal and neocortical cholinergic input*. Behavioral Neuroscience, 113(3), 486-495.

8. **Bucci, D.J.**, Holland, P.C., and Gallagher, M. (1998) *Removal of cholinergic input to rat posterior parietal cortex disrupts incremental processing of conditioned stimuli*. Journal of Neuroscience, 18(19), 8038-8046.

7. **Bucci, D.J.**, Rosen, D.L., and Gallagher, M. (1998) *Effect of age on pilocarpine-induced c-fos expression in rat hippocampus and cortex*. Neurobiology of Aging, 19(3), 227-232.

6. Baxter, M.G., **Bucci, D.J.**, Sobel, T.J., Gorman, L.K., and Gallagher, M. (1996) *Intact spatial learning following lesions of basal forebrain cholinergic neurons*. NeuroReport, 7, 1417-1420.

5. Chiba, A.A., **Bucci, D.J.**, Holland, P.C., and Gallagher, M. (1995) *Basal forebrain cholinergic lesions disrupt increments but not decrements in conditioned stimulus processing*. Journal of Neuroscience, 15(11), 7315-7322.

4. Baxter, M.G., **Bucci, D.J.**, Gorman, L.K., Wiley, R.G., and Gallagher, M. (1995) *Selective immunotoxic lesions of basal forebrain cholinergic cells: Effects on learning and memory in rats*. Behavioral Neuroscience, 109(4), 714-722.

3. **Bucci, D.J.**, Chiba, A.A., and Gallagher, M. (1995) *Spatial learning in male and female Long-Evans rats*. Behavioral Neuroscience, 109(1), 180-183.

..2. Morrow, A.L., Devaud, L.L., **Bucci, D.J.**, and Smith, F.D. (1994) *$GABA_A$ and NMDA receptor subunit mRNA expression in ethanol dependent rats*. Alcohol and Alcoholism, Supp(2), 89-95.

1. Gallagher, M., Gill, T.M., Baxter, M.G., and **Bucci, D.J.** (1994) *The development of neurobiological models for cognitive decline in aging*. Seminars in the Neurosciences, 6(6), 351-358.

Articles Submitted or in Preparation

Todd, T.P., DeAngeli, N.E., Jiang, M.Y., and **Bucci, D.J.** (revise and resubmit) *Retrosplenial cortex and contextual fear conditioning*. Behavioral Neuroscience.

Todd, T.P., Jiang, M.T., DeAngeli, N.E., and **Bucci, D.J.** (revise and resubmit) *Conditioning, extinction, and renewal of conditioned suppression after pre-training lesions of the retrosplenial cortex*. Behavioural Brain Research.

Gulick, D., Khokhar, J.Y., Bonvini, L., Templeton, E., **Bucci, D.J.**, and Green, A.I. (submitted) *Effects of clozapine vs. haloperidol on alcohol and sucrose reward and seeking in Syrian Golden Hamsters*. Neuropharmacology.

Meyer, H.C., Adner, E., and **Bucci, D.J.** (submitted) *Age differences in appetitive Pavlovian conditioning and extinction in rats.* Physiology and Behavior.

Meyer, H.C. and **Bucci, D.J.** (in prep) *Negative occasion setting during adolescence.* Neurobiology of Learning and Memory.

Khokar, J.Y., Todd, T.P., Doucette, W.T., **Bucci, D.J.,** and Green, A.I. (in prep). *Adolescent tetrahydroncannabinol exposure in a neurodevelopmental rat model of schizophrenia: long-lasting effects on reward-related behaviors.*

DeAngeli, N.E., Eddy, M.E., Huszár, R., **Bucci, D.J.,** and& Todd, T.P. (in prep). *Retrosplenial cortex lesions produce retrograde, but not anterograde, amnesia following intensive contextual fear conditioning*. Behavioral Neuroscience.

Hopkins, M.E. and **Bucci, D.J.** (in prep) *Blocking the TrkB receptors in perirhinal cortex eliminates the effects of exercise on object memory*. Neurobiology of Learning and Memory.

INVITED LECTURES AND PRESENTATIONS

2016

Learning to Withhold Behavior. Dartmouth Undergraduate Journal of Science Seminar, Hanover, NH.

Learning to Give: Insights from Brain Science. Ivy+ Annual Fund Conference, Hanover, NH.

Turning Back the Clock: Learning to Withhold Behavior. Friedman Brain Institute Translational Neuroscience Seminar Series, Peter Jay Sharp Foundation Lecture. Mount Sinai School of Medicine, New York, NY.

Control Thyself: Learning to Withhold Behavior. Social Brain Sciences Seminar, Dartmouth College.

Functional Interactions between the Retrosplenial Cortex and the Hippocampal Memory System. Session Organizer, 40th Annual Winter Conference on the Neurobiology of Learning & Memory, Park City, UT

Stimulus-stimulus Associations in Retrosplenial Cortex. 40th Annual Winter Conference on the Neurobiology of Learning & Memory, Park City, UT

2015

The Ontogeny of Cognition during Adolescence: Behavior and Neurobiology. Session Organizer, Annual Meeting of the Pavlovian Society, Portland, OR.

Translating the Effects of Exercise on the Brain and Behavior: Implications for Neurodevelopmental Disorders. Annual Meeting of the American Academy of Child and Adolescent Psychiatry, San Antonio, TX.

Your Brain on Exercise: Implications for Learning, Memory, and Attention. Family Fellows Weekend, Dartmouth College.

Treatment with l-kynurenine during adolescence impacts behavior and neural plasticity in adult rats. Maryland Psychiatric Research Center, University of Maryland School of Medicine, Baltimore, MD.

Alterations in Kynurnine Metabolism may underlie the Cognitive and Motivational Impairments associated with Schizophrenia. Department of Psychiatry, Geisel School of Medicine at Dartmouth.

2014

Using Chemogenetics to Dissect the Neural Circuits Underlying Cognition. Center for Cognitive Neuroscience Annual Retreat, Fairlee, VT.

Translating the Effects of Exercise on Recognition Memory: Dependence on Age and Genotype. International Behavioural and Neural Genetics Society Annual Meeting, Chicago, IL.

Interaction between Cortico-hippocampal Regions during Learning and Memory. Michael S. Goodman Memorial Lecturer, Cognitive, Linguistic, and Psychological Sciences Department, Brown University.

Pharmacogenetic Silencing of the Retrosplenial Cortex Impairs Sensory Preconditioning. 37th Annual Winter Conference on the Neurobiology of Learning & Memory, Park City, UT

2013

Disambiguating Regional Contributions and Interactions in Retro-hippocampal Circuits. Vermont Summer Summit on Learning and Memory, Burlington, VT.

Learning, Memory, and Plasticity in Retro-hippocampal Circuits. Annual Meeting of the Pavlovian Society, Austin, TX.

Your Brain on Exercise: Impacts on Cognition, Neural Function, and Mental Health. Keynote Address, College of William and Mary Annual Neuroscience Symposium, Williamsburg, VA.

Learning and Plasticity in Retro-hippocampal Circuits. Cognitive Neuroscience Seminar, Dartmouth College, Hanover, NH.

The Development of Inhibition. 36th Annual Winter Conference on the Neurobiology of Learning & Memory, Park City, UT.

2012

Glia, Development, and Schizophrenia: A New Animal Model. Harvard Medical School/McLean Hospital, Boston MA

Contributions of Retrosplenial, Posterior parietal, and Postrhinal Cortices to Hippocampal-dependent Learning. Independence and Interaction of Multiple Memory Systems Symposium, Annual Meeting of the Society for Neuroscience

Beyond the Hippocampus: Parahippocampal Contributions to Memory Function and Dysfunction. Grand Rounds, Department of Neurology, Dartmouth Hitchcock Medical Center, Lebanon, NH.

Neural and Behavioral Insights into ADHD Using a Rat Model of Neurocognitive Dysfunction. Neurology Resident Lecture Series, Dartmouth Hitchcock Medical Center, Lebanon, NH.

Your Brain on Exercise. Dartmouth Undergraduate Journal of Science Annual Address.

Cognitive Impairment and Schizophrenia: Insights from a New Animal Model. Grand Rounds, Department of Psychiatry, Dartmouth Hitchcock Medical Center, Lebanon, NH.

2011

Theses, Brains, and Nuns. Keynote Address, Senior Honors Dinner, Dartmouth College

A Rodent Model of Developmental Neurocognitive Dysfunction: Characterization and New Interventions. Grand Rounds, Department of Psychiatry, Dartmouth Hitchcock Medical Center, Lebanon, NH.

Voluntary Physical Exercise and Cognition: Adult Versus Adolescent Brains. 35th Annual Winter Conference on the Neurobiology of Learning & Memory, Park City, UT.

2010

Contributions of Retrosplenial Cortex to Associative Learning and Memory. Boston University, Center for Memory and Brain, Boston, MA.

Rodent Models of Developmental Psychopathology. Benefits, Limitations, and New Directions. Keynote Address and NICHD Lecturer, Perinatal Research Society, Avon, CO.

New Directions in Mental Health Research - What Does Nicotine have to do with Mental Health? Healthy Minds Across America Symposium, Lebanon, NH.

Neurobiology of Attention. Psychological and Brain Sciences, Dartmouth College.

Beyond the Hippocampus: Cortical Contributions to Learning and Memory. Cognitive Neuroscience Seminar, Dartmouth College, Hanover, NH.

Exercising the Brain: Insights and Implications for Mental Illness. Pathophysiological Basis of Brain Diseases Lecture, Dartmouth Medical School, Hanover, NH.

Cortico-hippocampal Circuits: Unique contributions to Learning and Memory. Neuroscience Program, St. Mary's College of Maryland.

Gliotransmitters and Schizophrenia-related Cognitive Impairment. Dartmouth Medical School, Hanover, NH.

Kynurenic Acid and Cognitive Dysfunction. Maryland Psychiatric Research Center.

Mental and Physical Exercise for Your Brain: Making Memories Last a Lifetime, Dartmouth Outreach Program.

Differential patterns of neural activation in the amygdala during surprise-induced changes in attention and learning. Winter Brain, Breckenridge, CO.

2009

Use of the Spontaneously Hypertensive Rat Strain to Model Mental Illness: Behavioral and Pharmacological Considerations. Department of Pharmacology, University of Vermont

New Directions in Understanding Factors that Contribute to Co-occurring Psychopathology and Substance Abuse. Dual Diagnosis Conference, Fairlee, VT

Involvement of M1 acetylcholine receptors in cue detection. Vermont Summer Summit on Learning and Memory, Burlington, VT.

Kynurenic Acid: What is it and Where is it? Implications for Cognitive Dysfunction. Pathophysiological Basis of Brain Diseases Lecture, Dartmouth Medical School, Hanover, NH.

New Insights into the Function of Parietal Cortex: Implications for Learning and Memory. Session Organizer, 33rd Annual Winter Conference on the Neurobiology of Learning & Memory, Park City, Utah

Contributions of Posterior Parietal Cortex to Attention and Associative Learning in Rodents. 33rd Annual Winter Conference on the Neurobiology of Learning & Memory, Park City, UT

Physical Exercise and Cognitive Function. Session Co-organizer, 33rd Annual Winter Conference on the Neurobiology of Learning & Memory, Park City, UT

2008

Your Brain on College. Dartmouth College Student Interest Group in Neurology and Neuroscience, Hanover, NH.

Brain Systems Underlying Conditioned Fear: Current views and future directions. Department of Physiology, Dartmouth Medical School, Hanover, NH.

Nicotine Enhances Conditioned Inhibition in a Serial but not a Compound Feature Negative Discrimination Task in Rats: Implications for Deficits in Inhibitory Behavior in Psychiatric Illness, Society for Research on Nicotine and Tobacco 14th Annual Meeting

Translating Nicotinic Effects on Cognition: From Basic Science to Clinical Populations and Back Again, Symposium Co-Chair, Society for Research on Nicotine and Tobacco 14th Annual Meeting

Contribution of Retrosplenial Cortex to Processing Multiple Conditioned Stimuli, 32nd Annual Winter Conference on the Neurobiology of Learning & Memory, Park City, Utah

2007

Sex and Strain: Does it Matter? Vermont Summer Summit on Learning and Memory, Burlington, VT.

Invited Panelist, Annual Conference on Survival Skills and Ethics, Snowmass, Colorado

Surprise-Induced Enhancement of Learning Depends on NMDA Receptor Activation, 31st Annual Winter Conference on the Neurobiology of Learning & Memory, Park City, Utah.

2006

"Glio-transmitters": A Role in Normal Cognitive Function? Annual Meeting of the Vermont Chapter of the Society for Neuroscience, Stowe, VT.

A Multidimensional Approach to Studying the Neurobiology of Cognition, Department of Psychology, Wesleyan University.

Nicotine Improves Response Inhibition in a Serial Feature Negative Discrimination Task in Rats, 30th Annual Winter Conference on the Neurobiology of Learning & Memory, Park City, Utah.

Cortical Cholinergic Attention Systems: Interactions and Competition, Department of Psychology, Kansas State University.

2005

Animal Models of Attention: Relevance to ADHD, Department of Psychology, Michigan State University.

Cholinergic Systems in Attention & Memory: Peace At Last? Psychiatry Department, University of Vermont College of Medicine.

Glial Modulation of Learning and Memory, 29th Annual Winter Conference on the Neurobiology of Learning & Memory, Park City, Utah.

Arousal from Hibernation: A Natural Model of Synaptic Plasticity, Psychological and Brain Sciences, Dartmouth College.

2004

Competition and Interaction Between Cortical Attention Systems, Psychology Department, Bowling Green State University.

Cholinergic Systems, Attention & Memory: Contemporary Views and Clinical Implications, Brain Imaging Laboratory, Department of Psychiatry, Dartmouth Medical School.

Principles of Receptors, Signaling, and Synaptic Transmission, Psychiatry Department, University of Vermont College of Medicine.

Brain Mechanisms Underlying Conditioned Stimulus Processing and Attention, Department of Psychological and Brain Sciences, Dartmouth College.

Cortical Cholinergic Systems: Attention or Memory? Psychiatry Department, University of Vermont College of Medicine.

2003

Controversies Regarding Cholinergic Function in Cognition: Intersection of Animal models and Human Studies, Workshop Chair, Society for Biological Psychiatry Annual Meeting, San Francisco, CA.

Animal Models of Cholinergic Dysfunction, Society for Biological Psychiatry Annual Meeting, San Francisco, CA.

Use of Nonparametric Statistics in Psychological Research, Psychology Department, University of Vermont.

2002

Cortical Cholinergic System: Memory or Attention? Alaska Basic Neuroscience Program, Institute of Arctic Biology, University of Alaska, Fairbanks.

Non-monoamine Neurotransmitters: Neurobiology & Clinical Relevance, Psychiatry Department, University of Vermont College of Medicine.

Factors Contributing to Contextual Fear Conditioning Deficits Following Damage to Postrhinal or Perirhinal Cortex, 26th Annual Winter Conference on the Neurobiology of Learning & Memory, Park City, Utah.

2001

Cortical Acetylcholine and Cognition, Department of Biology, University of Vermont.

Anatomical and Behavioral Characterization of Cholinergic Input to the Posterior Parietal Cortex, Department of Anatomy and Neurobiology, University of Vermont.

Getting To and From a Postdoctoral Position, National Science Foundation Brain and Behavior Mentoring Program, Brown University.

Establishing a Postdoctoral Association, Annual Postdoctoral Meeting, American Association for the Advancement of Science, National Academy of Sciences.

Mnemonic and Attentional Processing in the Postrhinal Cortex, Department of Psychology, University of Vermont.

Effects of Postrhinal or Perirhinal Cortex Lesions on Conditioned Orienting, 25th Annual Winter Conference on the Neurobiology of Learning & Memory, Park City, Utah.

2000

Cortical Contributions to Cognitive Function, Cold Spring Harbor Laboratory, Cold Spring Harbor, NY.

Cholinergic Systems and Cognition, Memory Pharmaceuticals, Inc., New York.

Effects of Postrhinal or Perirhinal Cortex Lesions on a Contextual Fear Discrimination Task, 24th Annual Winter Conference on the Neurobiology of Learning & Memory, Park City, Utah.

Cholinergic Input to Rat Posterior Parietal Cortex: A Role in Attention? Bristol-Myers Squibb Pharmaceutical Research Institute.

1999

Removal of Cholinergic Input to Posterior Parietal Cortex Disrupts Attentional Processing in an Unblocking Paradigm, 23rd Annual Winter Conference on the Neurobiology of Learning & Memory, Park City, Utah.

1998

Basal Forebrain Cholinergic Input to Posterior Parietal Cortex: A role in Attention? Brown University.

Deficits in Attention Produced by Selective Removal of Cholinergic Projections to Posterior Parietal Cortex, 22nd Annual Winter Conference on the Neurobiology of Learning & Memory, Park City, Utah.

1995

Selective Cholinergic Lesions of Septal Input to the Hippocampus Impair Decremental Attentional Processing, 19th Annual Winter Conference on the Neurobiology of Learning & Memory, Park City, Utah.

CONFERENCE ABSTRACTS

182. Stephens, E.K., Avesar, D., Todd, T.P., Gerber, S., **Bucci, D.J.,** and Gulledge, A.T. (2016). *Chronic SSRI treatment promotes inhibitory serotonergic signaling in rat prefrontal cortex*. Society for Neuroscience Abstracts.

181. **Bucci, D.J.,** DeAngeli, N.E., Herrington, K.S., Wu, H-Q., Schwarcz, R. (2016). *Alternations in fear behavior following acute stress in adrenalectomized rats: Involvement of kynurenic acid and implications for PTSD.* Society for Neuroscience Abstracts.

180. DeAngeli, N.E., Todd, T.P., and **Bucci, D.J.** (2016) *Lesions of the postrhinal cortex impair extinction learning in a latent inhibition paradigm.* Society for Neuroscience Abstracts.

179. Huszar, R., Eddy, M.C., DeAngeli, N.A., **Bucci, D.J.,** and Todd, T.P. (2016) *Retrosplenial cortex lesions produce retrograde and anterograde context amnesia following overtraining*. Society for Neuroscience Abstracts.

178. Stephens, E.K., Todd, T.P., **Bucci, D.J.,** Gerber, S., and Gulledge, A.T. (2016). *Chronic SSRI treatment promotes inhibitory serotonergic signaling in rat prefrontal cortex*. Dartmouth Neuroscience Day.

177. Todd, T.P., Jiang, M.Y., DeAngeli, N.E., and **Bucci, D.J.** (2016) *Effects of retrosplenial cortex lesions on renewal and contextual fear conditioning*. Eastern Psychological Association, New York, NY.

176. Leaton, R.N., Jordan, W.P., **Bucci, D.J.,** and Todd, T.P. (2016) *Latent Inhibition, autoshaping, and extinction.* Eastern Psychological Association, New York, NY.

175. Khokhar, J., Todd, T.P., Doucette, W., **Bucci, D.J.,** and Green, A.I. (2015) *Does the connection between adolescent cannabis use and schizophrenia extend beyond psychosis? Effects on alcohol intake, reward learning, and motivation.* Neuropsychopharmacology, 40, S381.

174. Chodakewitz, M.I., Meyer, H.C., and **Bucci, D.J.** (2015) *Delays in proactive inhibition are specific to adolescence*. Society for Neuroscience Abstracts.

173. **Bucci, D.J.** and Meyer, H.C. (2015) *Age differences in the extinction of Pavlovian excitatory responding*. Society for Neuroscience Abstracts.

172. Meyer, H.C. and **Bucci, D.J.** (2015) *Chemogenetic silencing of prefrontal neurons delays inhibition during negative occasion setting*. Society for Neuroscience Abstracts.

171. Jiang, M.Y., DeAngeli, N.E., **Bucci, D.J.,** Todd, T.P. (2015) *Lesions of retrosplenial cortex have no impact on renewal of extinguished fear, but attenuate context fear conditioning*. Society for Neuroscience Abstracts.

170. DeAngeli, N.E., Todd, T.P., and **Bucci, D.J.** (2015) *Chemogenetic silencing of the retrosplenial cortex disrupts retrieval of remote trace fear.* Society for Neuroscience Abstracts.

169. Todd, T.P., DeAngeli, N.E., Jiang, M.Y., and **Bucci, D.J.** (2015) *Lesions of the retrosplenial*

cortex attenuate context fear conditioning, but not incidental context learning. Society for Neuroscience Abstracts.

168. DeAngeli, N., Chang, S.E., Todd, T.P., and **Bucci, D.J.** (2015) *Chronic l-kynurenine treatment during adolescence facilitates sign-tracking in adult rats*. Eastern Psychological Association.

167. Meyer, H.C. and **Bucci, D.J.** (2015) *The contribution of medial prefrontal cortical regions to conditioned inhibition*. Eastern Psychological Association.

166. Todd, T.P., Chang, S.E., **Bucci, D.J.,** and Smith, K.S. (2015) *Inhibiting ventral pallidum with DREADDs impairs sign-tracking in rats*. Eastern Psychological Association.

165. Chang, S.E., Todd, T.P., **Bucci, D.J.,** and Smith, K.S. (2015) *When less is more: Disconnection of nucleus accumbens shell and ventral pallidum enhances sign-tracking in rats*. Eastern Psychological Association.

164. Todd, T.P., Meyer, H.C., and **Bucci, D.J.** (2014) *Lesions of the retrosplenial cortex impair temporal learning*. Society for Neuroscience Abstracts.

163. Chang, S.E., Todd, T.P., **Bucci, D.J.,** and Smith, K.S. (2014*) Inhibiting ventral pallidum with DREADDs impairs sign-tracking in rats.* Society for Neuroscience Abstracts.

162. Meyer, H.C. and **Bucci, D.J.** (2014). *Dissociations between medial prefrontal cortical regions in conditioned inhibition.* Society of Neuroscience Abstracts.

161. Robinson, A.M., Green, J.T., and **Bucci, D.J.** (2014). *Noradrenergic mechanisms mediate the effects of physical exercise on attentional function in a rat model of ADHD*. Society for Neuroscience Abstracts.

160. **Bucci, D.J.** and Robinson, A.M. (2014) *Effect of physical exercise on attentional function and social behavior: comparison with psychostimulants and implications for ADHD*. Society for Neuroscience Abstracts.

159. Pizzo, A., Camp, D., and **Bucci, D.J.** (2014) *Neural activity in retrosplenial cortex during retrieval of remote fear memories*. Society for Neuroscience Abstracts.

158. Todd, T.P. and **Bucci, D.J.** (2014) *Pre-training lesions of retrosplenial cortex reduce spontaneous recovery after fear extinction*. 37th Annual Winter Conference on the Neurobiology of Learning & Memory, Park City, UT

157. Robinson, S., Roth, B.L., Urban, D.J., Luikart, B.W., Schneyer, R.J., Pasternak, A.R., and **Bucci, D.J.** (2013) *Pharmacogenetic silencing of the retrosplenial cortex impairs sensory preconditioning.* Society for Neuroscience Abstracts.

156. Meyer, H.C. and **Bucci, D.J.** (2013) *The neural substrates and development of learned inhibition*. Society for Neuroscience Abstracts.

155. Robinson, A.M. and **Bucci, D.J.** (2013) *Maternal exercise during pregnancy improves object recognition memory in adult male offspring*. Society for Neuroscience Abstracts.

154. Putney, R.B. and **Bucci, D.J.** (2013) *The contribution of nicotinic acetylcholine receptors to learned inhibition*. Society for Neuroscience Abstracts.

153. Marder, T.J., Robinson, S., and **Bucci, D.J.** (2012) *Damage to the postrhinal cortex impairs sensory preconditioning.* Society for Neuroscience Abstracts.

152. Iaccarino, H.F. and **Bucci, D.J.** (2012) *Sub-chronic exposure to l-kynurenine during critical periods in development produces lasting social, but not cognitive, deficits*. Society for Neuroscience Abstracts.

151. Robinson, A.M. and **Bucci, D.J.** (2012) *Risky decision-making in a rodent model of Attention-Deficit Hyperactivity Disorder (ADHD).* Society for Neuroscience Abstracts.

150. Gauthier, A.C., Cramer, C.P., and **Bucci, D.J.** (2012) *Cross fostering affects maternal behavior*

in SHR and WKY rats as well as ADHD-like behavior in their offspring. Society for Neuroscience Abstracts.

149. Eggleston, R.L., Robinson, A.M., and **Bucci, D.J.** (2012) *Physical exercise versus pharmaco-therapies: Effects on attentional dysfunction and hyper-social behavior in rat model of ADHD*. Society for Neuroscience Abstracts.

148. Poorman, C.E., Marder, T.J., Robinson, S., and **Bucci, D.J.** (2012). *Retrosplenial and postrhinal cortex connections in the rat are necessary for fear conditioning.* Society for Neuroscience Abstracts.

147. Robinson, S. Schneyer, R.J., and **Bucci, D.J.** (2012) *Damage to the posterior parietal cortex impairs two forms of relational learning.* Society for Neuroscience Abstracts.

146. **Bucci, D.J.** and Putney, R.B. (2012) *Nicotinic acetylcholine receptors are necessary for learning and response inhibition during negative occasion setting*. Society for Neuroscience Abstracts.

145. Meyer, H.C. and **Bucci, D.J.** (2012) *The development of response inhibition during negative occasion setting: acquisition versus expression*. Society for Neuroscience Abstracts.

144. Gulick, D., Bonvini, L., Templeton, E., Sonstegard, A., **Bucci, D.J.,** and Green, A.I. (2012) *Clozapine inhibition of alcohol intake in Syrian golden hamsters: selectivity, motivation and reward*. Society for Neuroscience Abstracts.

143. Robinson, S. and **Bucci, D.J.** (2011) *Sensory preconditioning is impaired in rats with retrosplenial cortex lesions.* Vermont Summer Summit on Learning and Memory.

142. **Bucci, D.J.** and Hu, S. (2011) *Delayed development of negative occasion setting in juvenile rats is overcome by nicotine administration.* Vermont Summer Summit on Learning and Memory.

141. Hopkins, M.E., Nitecki, R., and **Bucci, D.J.** (2011) *Adult and adolescent rats respond differentially to the effects of physical exercise on memory and BDNF expression*. Vermont Summer Summit on Learning and Memory.

140. Robinson, A.M., Eggleston, R.L., and **Bucci, D.J.** (2011) *Dopamine and norepinephrine re-uptake inhibitors have differential effects on orienting behavior and social interaction in rats.* Vermont Summer Summit on Learning and Memory.

139. Hu, S., MacLeod, J.E., and **Bucci, D.J.** (2011) *The acquisition and magnitude of negative occasion setting is delayed in juvenile rats until postnatal day 50.* Society for Neuroscience Abstracts.

138. **Bucci, D.J.** and Robinson, S. (2011) *Anterograde and retrograde amnesia of contextual and auditory fear after damage to the postsubiculum*. Society for Neuroscience Abstracts.

137. Nitecki, R., Hopkins, M.E., and **Bucci, D.J.** (2011) *Physical exercise during adolescence versus adulthood: Differential effects on object recognition memory and BDNF expression*. Society for Neuroscience Abstracts.

136. Iaccarino, H.F. and **Bucci, D.J.** (2011) *Nicotine reverses deficits in contextual fear memory caused by an increase in kynurenic acid concentration*. Society for Neuroscience Abstracts.

135. Hopkins, M.E., Davis. F.C., **Bucci, D.J.,** and Whalen, P.J. (2011) *Genotype and priming effects may moderate exercise-induced cognitive and mental health benefits in sedentary young adults*. Society for Neuroscience Abstracts.

134. MacLeod, J.E., Hu, S., Bucci, D.J., and Robinson, S. (2011) *Fear conditioning is associated with increase Arc protein expression in the retrosplenial cortex*. Society for Neuroscience Abstracts.

133. Eggleston, R.L., Robinson, A.M., and **Bucci, D.J.** (2011) *A comparison of the effects of physical exercise and pharmaco-therapies on attentional dysfunction and hyper-social behavior in a rat model of ADHD*. Society for Neuroscience Abstracts.

132. Robinson, S., Iaccarino, H.F., and **Bucci, D.J.** (2011) *Retrosplenial cortex lesions impair sensory preconditioning in rats.* Society for Neuroscience Abstracts.

131. Trecartin, K.V., Yeh, P., Yeh, H.H., and **Bucci, D.J.** (2011) *Chronic exposure to kynurenic acid during critical periods in development produces lasting cognitive deficits and neurobiological changes*. Society for Neuroscience Abstracts.

130. Nitecki, R., Hopkins, M.E., and **Bucci, D.J.** (2011) *Developmental status influences the duration of exercise-induced.* Dartmouth Neuroscience Day.

129. Iaccarino, H.F., Robinson, S., and **Bucci, D.J.** (2011) *Retrosplenial cortex lesions impair sensory preconditioning in rats.* Dartmouth Neuroscience Day.

128. Akagbosu, C.O., Evans, G.C., and **Bucci, D.J.** (2011) *Exposure to high levels of kynurenic acid during adolescence leads to cognitive dysfunction during adulthood*. Dartmouth Neuroscience Day.

127. Robinson, S., NDong, C., DeLeo, J.A., and **Bucci, D.J.** (2010) *Fear conditioning is associated with increased Arc mRNA expression in the retrosplenial cortex.* Society for Neuroscience Abstracts.

126. Hopkins, M.E. and **Bucci, D.J.** (2010) *Interpreting the effects of exercise on fear conditioning depends on the time of day that rats were trained and tested*. Society for Neuroscience Abstracts.

125. Payne, H.L, **Bucci, D.J.,** and Robinson, S. (2010) *Lesions of the postsubiculum impair fear conditioning.* Society for Neuroscience Abstracts.

124. Akagbosu, C.O., Evans, G.C., and **Bucci, D.J.** (2010) *Exposure to high levels of kynurenic acid during adolescence leads to cognitive dysfunction during adulthood*. Society for Neuroscience Abstracts.

123. Zhang, S., Gulick, D., Gulledge, A.T., **Bucci, D.J.** (2010) *Disruption of muscarinic acetylcholine receptors or SK-channels in prefrontal cortex impairs cue detection in mice*. Society for Neuroscience Abstracts.

122. MacLeod, J.E., Vucovich, M.M., and **Bucci, D.J.** (2010) *Differential effects of nicotinic acetylcholine receptor stimulation on negative occasion setting.* Society for Neuroscience Abstracts.

121. Robinson, A.M. and **Bucci, D.J.** (2010) *Exercising during adolescence reduces orienting behavior in the adult Spontaneously Hypertensive Rat (SHR).* Society for Neuroscience Abstracts.

120. Palmer, A.R., Hopkins, M.E., and **Bucci, D.J.** (2010) *Physical exercise-induced cognitive improvement and anxiolytic effects in adolescent rats*. Dartmouth Neuroscience Day, Hanover, NH.

119. Hopkins, M.E. and **Bucci, D.J.** (2010) *Mechanisms underlying exercise-induced improvement in object recognition memory*. Dartmouth Neuroscience Day, Hanover, NH.

118. Robinson, A.M. and **Bucci, D.J.** (2010) *Exercising during adolescence reduces orienting behavior in the adult Spontaneously Hypertensive Rat*. Dartmouth Neuroscience Day, Hanover, NH.

117. MacLeod, J.E., and **Bucci, D.J.** (2009) *Neural circuits mediating the effects of nicotine on inhibitory behavior*. Annual Meeting of the Society for Research on Nicotine and Tobacco, Baltimore, MD.

116. Keene, C.S. and **Bucci, D.J.** (2009) *What does the retrosplenial cortex do? Insights from associative learning.* Annual Meeting of the Pavlovian Society, Burlington, VT.

115. MacLeod, J.E., and **Bucci, D.J.** (2009) *Contributions of the rodent medial prefrontal cortex to negative occasion setting.* Annual Meeting of the Pavlovian Society, Burlington, VT.

114. Hopkins, M.E. and **Bucci, D.J.** (2009) *Physical exercise in juvenile rats induces longer-lasting performance improvements in object recognition, compared to adults*. Vermont Summer Summit on Learning and Memory.

113. Duan, D., Keene, C.S., Ross, E.L., and **Bucci, D.J.** (2009) *Characterization of the role of retrosplenial cortex in learning and memory*. Society for Neuroscience Abstracts.

112. Hopkins, M.E. and **Bucci, D.J.** (2009) *Evidence for dissociable mechanisms underlying the cognitive improvement and anxiolytic effects of voluntary physical exercise in male Long Evans rats*. Society for Neuroscience Abstracts.

111. MacLeod, J.E., Ackerman, C.M., and **Bucci, D.J.** (2009) *Contributions of the medial prefrontal cortex to negative occasion setting.* Society for Neuroscience Abstracts.

110. Guo, L., Evans, G.C., and **Bucci, D.J.** (2009) *Behavioral effects of increased endogenous kynurenic acid concentration: Implications for cognitive dysfunction in schizophrenia.* Society for Neuroscience Abstracts.

109. Zhang, S., Gulledge, A.T., Matsui, M., and **Bucci, D.J.** (2009) *Deficits in cue detection and associative learning in mice lacking M1 acetylcholine receptors*. Dartmouth Neuroscience Day, Hanover, NH.

108. Ackerman, C., MacLeod, J.E., and **Bucci, D.J.** (2009) *Contribution of the cholinergic prefrontal cortex to inhibitory learning*. Dartmouth Neuroscience Day, Hanover, NH.

107. Hopkins, M.E. and **Bucci, D.J.** (2009) *Voluntary exercise provides stress-protection in male Long Evans rats and improves performance in a novel object recognition task*. Dartmouth Neuroscience Day, Hanover, NH.

106. Evans, G.C., Guo, L. and **Bucci, D.J.** (2009) *Effects of increased kynurenic acid concentration on social behavior and novel object recognition: Implications for schizophrenia*. Dartmouth Neuroscience Day, Hanover, NH.

105. Duan, D., Lamont E., Ross, E., Keene, C.S., and **Bucci, D.J.** (2009) *Characterization of the role of retrosplenial cortex in learning and memory*. Dartmouth Neuroscience Day, Hanover, NH.

104. Hopkins, M.E. and **Bucci, D.J.** (2008) *Factors that influence the effects of exercise on fear conditioning.* 33rd Annual Winter Conference on the Neurobiology of Learning & Memory, Park City, Utah

103. **Bucci, D.J.** and MacLeod, J.E. (2008) C*holinergic modulation of learned inhibition*. Annual Meeting of the Pavlovian Society, Weehawken, NJ.

102. Keene, C.S. and **Bucci, D.J.** (2008) *Contributions of retrosplenial cortex to associative learning*. Annual Meeting of the Pavlovian Society, Weehawken, NJ.

101. Zhang, S., Gulledge, A.T., Matsui, M., and **Bucci, D.J.** (2008) *Cue detection and associative learning are impaired in mice that lack either the M1 or M5 muscarinic acetylcholine receptor*. Vermont Summer Summit on Learning and Memory.

100. Hopkins, M.E. and **Bucci, D.J.** (2008) *Physical exercise and fear conditioning: learning and memory, or stress and anxiety?* Vermont Summer Summit on Learning and Memory.

99. Keene, C.S. and **Bucci, D.J.** (2008) *Restroplenial cortex has a critical role in contextual fear conditioning*. Vermont Summer Summit on Learning and Memory.

98. MacLeod, J.E. and **Bucci, D.J.** (2008) *Nicotine and learned inhibition: effects on attention.* Vermont Summer Summit on Learning and Memory.

97. Newhouse, P.A., Potter, A.S., and **Bucci, D.J.** (2008) *Recent advances in understanding the role of central nicotinic cholinergic systems in ADHD using translational models*. Annual Meeting of the American College of Neuropsychopharmacology.

96. Hopkins, M.E. and **Bucci, D.J.** (2008) *Two weeks of voluntary exercise reduces anxiety-like behavior and enhances extinction learning in rats*. Society for Neuroscience Abstracts.

95. MacLeod, J.E. and **Bucci, D.J.** (2008) *Mechanisms underlying cholinergic modulation of learned inhibition*. Society for Neuroscience Abstracts.

94. Keene, C.S. and **Bucci, D.J.** (2008) *Neurotoxic lesions of retrosplenial cortex impair signaled and unsignaled contextual fear conditioning*. Society for Neuroscience Abstracts.

93. Guo, L. and **Bucci, D.J.** (2008) *A role for posterior parietal cortex in processing non-spatial, simultaneously-occurring stimuli*. Society for Neuroscience Abstracts.

92. Campbell, B.W., Keene, C.S., Chowdhury, F.N., and **Bucci, D.J.** (2008) *Retrosplenial cortex has a long-term role in contextual fear learning and memory.* Society for Neuroscience Abstracts.

91. Sharma, M., Hopkins, M.E., and **Bucci, D.J.** (2008) *Voluntary physical exercise produces sex-dependent changes in attentional orienting and social behavior in spontaneously-hyperactive rats*. Society for Neuroscience Abstracts.

90. Gulledge, A.T., Matsui, M., **Bucci, D.J.**, and Yeh, H.H. (2008) *M1 receptors gate cholinergic modulation of pyramidal neurons in the neocortex and hippocampus*. Society for Neuroscience Abstracts.

89. Landers, A.M., Chess, A.C, and **Bucci, D.J.** (2008) *Contextual fear memory is impaired by administration of l-kynurenine prior to training*. Society for Neuroscience Abstracts.

88. Zhang, S., Gulledge, A.T., Matsui, M., and **Bucci, D.J.** (2008) *Mice lacking M1 or M5 acetylcholine receptors exhibit deficits in cue detection and associative learning*. Society for Neuroscience Abstracts.

87. Campbell, B.W., Keene, C.S., and **Bucci, D.J.** (2008) *Lesions of retrosplenial cortex 28 days after training impair cue-specific and contextual fear conditioning*. Dartmouth Neuroscience Day, Hanover, NH.

86. Duan, D., Vucovich, M.M., and **Bucci, D.J.** (2008) *Nicotine alters multiple forms of conditioned inhibition: Implications for ADHD and schizophrenia*. Dartmouth Neuroscience Day, Hanover, NH.

85. Keene, C.S. and **Bucci, D.J.** (2008) *Neurotoxic lesions of retrosplenial cortex impair signaled and unsignaled contextual fear conditioning*. Dartmouth Neuroscience Day, Hanover, NH.

84. Hopkins, M.E. and **Bucci, D.J.** (2008) *Physical exercise may protect rats from anxiogenic effects of fear conditioning*. Dartmouth Neuroscience Day, Hanover, NH.

83. **Bucci, D.J.** and Keene, C.S. (2008) *A central role for the retrosplenial cortex in processing multiple conditioned stimuli*. Eastern Psychological Association Annual Meeting, Boston, MA.

82. Keene, C.S., Burns, T.H., and **Bucci, D.J.** (2007) *Electrolytic lesions of retrosplenial cortex disrupt processing of multiple stimuli in a compound feature-negative discrimination*. Program No. 558.3, Neuroscience Meeting Planner. San Diego, CA: Society for Neuroscience, CD-ROM.

81. Nigg, J.T., Hopkins, M.E., Breedlove, S.M., Nunez, A.A., Sisk, C., and **Bucci, D.J.** (2007) *Differential effects of testosterone on learning in Spontaneously-Hypertensive (SHR) and Wistar rats.* Program No. 386.13, Neuroscience Meeting Planner. San Diego, CA: Society for Neuroscience, CD-ROM.

80. Vucovich, M.M., Hopkins, M.E., and **Bucci, D.J.** (2007) *The role of nicotinic acetylcholine receptors in conditioned inhibition*. Program No. 746.1, Neuroscience Meeting Planner. San Diego, CA: Society for Neuroscience, CD-ROM.

79. Hopkins, M.E. and **Bucci, D.J.** (2007) *Effects of voluntary exercise on social behavior, learning, and memory: Implications for psychiatric illness*. Program No. 386.17, Neuroscience Meeting Planner. San Diego, CA: Society for Neuroscience, CD-ROM.

78. MacLeod, J.E. and **Bucci, D.J.** (2007) *Surprise-induced changes in neural activity: a quantitative analysis*. Program No. 741.22, Neuroscience Meeting Planner. San Diego, CA: Society for Neuroscience, CD-ROM.

77. **Bucci. D.J.** and Vucovich, M.M. (2007) *Nicotine administration enhances conditioned inhibition in a serial but not a compound feature negative discrimination task*. Program No. 746.2, Neuroscience Meeting Planner. San Diego, CA: Society for Neuroscience, CD-ROM.

76. Sharma, M., Orr, L.E., Keene, C.S., and **Bucci, D.J.** (2007) *Sex and strain differences in conditioned inhibitory behavior in Spontaneously Hypertensive (SHR) and Wistar-Kyoto (WKY) rats*. Program No. 386.15, Neuroscience Meeting Planner. San Diego, CA: Society for Neuroscience, CD-ROM.

75. Keene, C.S. and **Bucci, D.J.** (2007) *Involvement of retrosplenial cortex in processing multiple stimuli*. Vermont Summer Summit on Learning and Memory.

74. MacLeod, J.E. and **Bucci, D.J.** (2007) *Surprise-induced changes in neural activity*. Vermont Summer Summit on Learning and Memory.

73. Hopkins, M.E. and **Bucci, D.J.** (2007) *Physical exercise and cognitive function*. Vermont Summer Summit on Learning and Memory.

72. Hopkins, M.E. and **Bucci, D.J.** (2007) *Effects of voluntary exercise on cognitive function and the brain: Implications for psychiatric illness*. Dartmouth Neuroscience Meeting, Hanover, NH.

71. Burns, T.H., Chess, A.C., and **Bucci, D.J.** (2007) *Increased concentration of endogenous kynurenic acid has specific effects on fear conditioning in rats*. Dartmouth Neuroscience Meeting, Hanover, NH.

70. Alling, T.E., Chess, A.C., and **Bucci, D.J.** (2007) *Effects of elevated kynurenic acid concentration on place and response learning*. Dartmouth Neuroscience Meeting, Hanover, NH.

69. Vucovich, M.E., Hopkins, M.E., MacLeod, J.E., and **Bucci, D.J.** (2007). *The role of nicotinic acetylcholine receptors in conditioned inhibition: implications for cognitive disorders*. Dartmouth Neuroscience Meeting, Hanover, NH.

68. Keene, C.S. and **Bucci, D.J.** (2007) *Effects of pre- and post-training lesions of retrosplenial cortex on cue-specific and contextual fear memory.* Dartmouth Neuroscience Meeting, Hanover, NH.

67. **Bucci, D.J.**, MacLeod, J.E., Simoni, M.K., Potter, A.S. (2006) *Nicotine enhances the acquisition of a serial feature negative discrimination*. Annual Meeting of the Pavlovian Society, Philadelphia, PA.

66. Chess, A.C. and **Bucci, D.J.** (2006) *Elevations of endogenous kynurenic acid retard contextual fear discrimination but do not affect contextual or cued fear conditioning*. Annual Meeting of the Pavlovian Society, Philadelphia, PA.

65. Keene, C.S. and **Bucci, D.J.** (2006) L*esions of retrosplenial cortex selectively disrupt contextual memory following fear conditioning: Effects of pre- and post-training lesions.* Annual Meeting of the Pavlovian Society, Philadelphia, PA.

64. Cormier, J.E, Keene, C.S., and **Bucci, D.J.** (2006) *Lesions of the retrosplenial cortex impair decreases in attentional processing*. Program No. 463.4. 2006 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience.

63. Chess, A.C., Burns, T.H., and **Bucci, D.J.** (2006) *Elevations of endogenous kynurenic acid differentially affect acquisition and expression of conditional learning.* Program No. 267.18. 2006 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience.

62. **Bucci, D.J.,** Keene, C.S., and Sharma, M. (2006) *SHR rats exhibit sex differences in conditioned inhibitory behavior*. Program No. 97.8. 2006 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience.

61. **Bucci, D.J.** and Falls, W.A. (2006) *A neuroscience seminar based on the SFN annual meeting*. Program No. 24.7. 2006 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience.

60. MacLeod, J.E., **Bucci, D.J.,** DeLeo, J.A., Hickey, W.F., Saykin, A.J., and Ahles, T.A. (2006) *Chemotherapy treatment impairs contextual fear conditioning and spatial working memory in female rats*. Program No. 811.23. 2006 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience.

59. Nigg, J.T., Breedlove, S.M., Nunez, A.A., Sisk, C., and **Bucci, D.J.** (2006) *Sex differences in simple conditioning in SHR rats: The role of sex hormones.* Program No. 462.23. 2006 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience.

58. Simoni, M.K., MacLeod, J.E., Potter, A.S., and **Bucci, D.J.** (2006) *Nicotine affects acquisition but not performance of a conditional discrimination*. Program No. 162.6. 2006 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience.

57. Burns, T.H., Chess, A.C., and **Bucci, D.J.** (2006) *Cued and contextual fear conditioning are unaffected by increased concentration of endogenous kynurenic acid*. Program No. 267.19. 2006 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience.

56. Keene, C.S. and **Bucci, D.J.** (2006) *Post-training but not pre-training lesions of retrosplenial cortex selectively disrupt contextual memory following fear conditioning*. Program No. 575.7. 2006 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience.

55. Drew, K.L., Weltzin, M.M., Zhao, H., and **Bucci, D.J**. (2006) *Arousal from hibernation alters contextual learning and memory*. Annual meeting of the American Society of Neurochemistry, Portland, OR.

54. Cormier, J.E, Keene, C.S., and **Bucci, D.J.** (2006) *Lesions of the retrosplenial cortex impair the processing of multiple stimuli*. Dartmouth Neuroscience Meeting, Hanover, NH.

53. Simoni, M.K., MacLeod, J.E., and **Bucci, D.J.** (2006) *Nicotine improves inhibitory behavior in rats: implications for schizophrenia and Attention-Deficit/Hyperactivity Disorder*. Dartmouth Neuroscience Meeting, Hanover, NH.

52. MacLeod, J.E., **Bucci, D.J.,** DeLeo, J.A., Hickey, W.F., Saykin, A.J., and Ahles, T. (2006) *Chemotherapy treatment impairs memory in female rats*. Dartmouth Neuroscience Meeting, Hanover, NH.

51. **Bucci, D.J.,** Cole, S., Mackey, M.B., Nigg, J.T., Sisk, C., Breedlove, S.M., Wade, J., and Nunez, A.A. (2006) *Sex differences in cognitive function in an animal model of attention-deficit/hyperactivity disorder: the role of sex hormones*. Dartmouth Neuroscience Meeting, Hanover, NH.

50. Keene, C.S. and **Bucci, D.J.** (2006) *Development of an automated measure of attention in rats*. Dartmouth Neuroscience Meeting, Hanover, NH.

49. **Bucci, D.J.**, Arenos, J.D., and Musty, R.E. (2005) *Blockade of CB_1 Receptors Alters Processing of Contextual Information.* Annual Meeting of the Pavlovian Society, Los Angeles, CA.

48. Keene, C.S., Chess, A.C., and **Bucci, D.J.** (2005) *Contributions of the retrospenial cortex to attentional processing of conditioned stimuli and spatial learning*. Annual Meeting of the Pavlovian Society, Los Angeles, CA.

47. Keene, C.S, Chess, A.C., and **Bucci, D.J.** (2005) *Contributions of the retrosplenial cortex to attentional processing of conditioned stimuli and spatial learning*. Program No. 411.13. 2005 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience.

46. Chess, A.C. and **Bucci, D.J.** (2005) *Elevations of endogenous kynurenic acid impair spatial working memory.* Program No. 887.7. 2005 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience.

45. **Bucci, D.J.**, Chess, A.C., Keene, C.S., and Hendley, E.D. (2005) *Increased exploratory behavior of novel and familiar stimuli and potential sex differences in orienting behavior in WKHA rats.* Program No. 878.8. 2005 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience.

44. Musty, R.E., Arenos, J.D, and **Bucci, D.J.** (2005) *Blockade of the CB1 receptor with AM251 alters the processing of contextual information*. Program No. 654.1. 2005 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience.

43. Chess, A.C. and **Bucci, D.J.** (2005) *The effects of kynurenic acid on associative learning: implications for attentional dysfunction*. Dartmouth Neuroscience Meeting, Hanover, NH.

42. Keene, C.S. and **Bucci, D.J.** (2005) *Contributions of the retrosplenial cortex to attentional processing of conditioned stimuli and spatial learning*. Dartmouth Neuroscience Meeting, Hanover, NH.

41. **Bucci, D.J**., Weltzin, M.M., Zhao, H., and Drew, K.L. (2005) *Arousal from hibernation: A natural model of adult cognitive enhancement*. Dartmouth Neuroscience Meeting, Hanover, NH.

40. Chess, A.C. and **Bucci, D.J.** (2004) *Kynurenic acid alters appetitive conditioning and the orienting response to a visual cue*. Program No. 780.9. 2004 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience.

39. Keene, C.S. and **Bucci, D.J**. (2004) *Alterations in attentional processing of conditioned stimuli following electrolytic lesions of the retrosplenial cortex.* Program No. 332.2. 2004 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience.

38. Arenos, J.D., Musty, R.E., and **Bucci, D.J.** (2004) *Antagonism of the cannabinoid-1 (CB1) receptor has differential effects on cued and contextual fear conditioning*. Program No. 1006.6. 2004 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience.

37. Chess, A.C. and **Bucci, D.J.** (2004) *Kynurenic acid alters appetitive conditioning and the orienting response to a visual cue*. Integrative Physiological and Behavioral Science, 39, 217 (Annual Meeting of the Pavlovian Society, Baltimore, MD).

36. **Bucci, D.J.** and Chess, A.C. (2004) *Alterations in attentional processing of conditioned stimuli following neurotoxic damage to the posterior parietal cortex*. Neuroscience Forum, VT Chapter of the Society for Neuroscience.

35. **Bucci, D.J.**, Weltzin., M., Zhao, H., and Drew, K. (2004) *Hibernation, learning, and memory*. Neuroscience Forum, VT Chapter of the Society for Neuroscience.

34. Chess, A.C. and **Bucci, D.J.** (2004) *Kynurenic acid alters simple appetitive conditioning*. Neuroscience Forum, VT Chapter of the Society for Neuroscience.

33. Chess, A.C., Wyzik, E.C., Hendley, E.D., and **Bucci, D.J.** (2004) *Conditioned responding to visual stimuli is altered in WKHA rats*. Neuroscience Forum, VT Chapter of the Society for Neuroscience.

32. **Bucci, D.J.** and Chess, A.C. (2003) *Alterations in attentional processing of conditioned stimuli following neurotoxic damage to the posterior parietal cortex*. Program No. 516.5. 2003 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience.

31. Chess, A.C., Wyzik, E.C., Hendley, E.D., and **Bucci, D.J.** (2003) *Conditioned responding to visual stimuli is altered in WKHA rats*. Program No. 324.5. 2003 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience.

30. Weltzin, M., **Bucci, D.J.**, Zhao, H., and Drew, K. (2003) *Hibernation, learning, and memory*. Program No. 199.13. 2003 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience.

29. **Bucci, D.J.** (2003) *Lesion models of cholinergic dysfunction*. Annual Meeting of the Society for Biological Psychiatry.

28. **Bucci, D.J.** and Letourneau, A.R. (2002) *Effects of neurotoxic lesions of rat posterior parietal cortex on attentional orienting.* Program No. 674.12. 2002 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience.

27. **Bucci, D.J.** (2002) *Effects of pre-training and post-training lesions of the rat posterior parietal cortex on learning and memory in the Morris water maze*. Program No. 585.17. 2002 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience.

26. Zhao, H., **Bucci, D.J.**., Weltzin, M., and Drew, K. (2002) *Hibernation and learning and memory of arctic ground squirrel*. Program No. 283.18. 2002 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience.

25. **Bucci, D.J.** and Letourneau, A.R. (2002) *Effects of neurotoxic lesions of rat posterior parietal cortex on attentional orienting.* Neuroscience Forum, VT Chapter of the Society for Neuroscience.

24. **Bucci, D.J.** (2002) *Effects of pre-training and post-training lesions of the rat posterior parietal cortex on learning and memory in the Morris water maze*. Neuroscience Forum, VT Chapter of the Society for Neuroscience.

23. Zhao, H., **Bucci, D.J.**, Weltzin, M., and Drew, K.L. (2002) *Effects of aversive stimuli on learning and memory*. Alaskan Basic Neuroscience Conference.

22. **Bucci, D.J.** and Burwell, R.D. (2001) *Specific deficits in attentional orienting following lesions of the postrhinal cortex*. Program No. 313.1. 2001 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience.

21. Burwell, R.D., **Bucci, D.J.**, Wiig, K.A., Saddoris, M.P., and Bear, M.F. (2001) *Neurotoxic lesions of the rat parahippocampal region do not produce deficits in the Morris watermaze task*. Program No. 314.10. 2001 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience.

20. Sanborn, M.R., **Bucci, D.J.**, and Burwell, R.D. (2001) *Long-term processing of contextual information involves perirhinal and postrhinal cortex*. Program No. 187.16. 2001 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience.

19. **Bucci, D.J.** and Burwell, R.D. (2001) *Specific deficits in attentional orienting following lesions of the postrhinal cortex*. Seventh Conference on the Neurobiology of Learning & Memory, University of California, Irvine.

18. Burwell, R.D., Sanborn, M.R., and **Bucci, D.J.** (2001) *Long-term memory of contextual information involves perirhinal and postrhinal cortex*. Seventh Conference on the Neurobiology of Learning & Memory, University of California, Irvine.

17. Saddoris, M.P., **Bucci, D.J.**, and Burwell, R.D. (2000) *Effects of postrhinal vs. perirhinal cortex lesions on contextual fear discrimination*. Society for Neuroscience Abstracts, 26.

16. **Bucci, D.J.** and Burwell, R.D. (1999) *Pretraining and posttraining lesions of the rat perirhinal or postrhinal cortex produce deficits in contextual fear conditioning.* Society for Neuroscience Abstracts, 25, 92.

15. Saddoris, M.P., **Bucci, D.J.**, and Burwell, R.D. (1999) *The effects of time-of-day cues on context discrimination*. Society for Neuroscience Abstracts, 25, 92.
14. **Bucci, D.J.**, Holland, P.C., and Gallagher, M. (1998) *Removal of cholinergic input to posterior parietal cortex disrupts increments in conditioned stimulus processing*. Society for Neuroscience Abstracts, 24, 171.
13. **Bucci, D.J.**, Holland, P.C., and Gallagher, M. (1997) *Deficits in attention produced by selective removal of cholinergic projections to posterior parietal cortex*. Society for Neuroscience Abstracts, 23, 1838.
12. **Bucci, D.J.**, Rosen, D.L., and Gallagher, M. (1996) *Age-related differences in pilocarpine-induced c-fos expression*. Society for Neuroscience Abstracts, 22, 1235.
11. Baxter, M.B., **Bucci, D.J.**, Holland, P.C., and Gallagher, M. (1996) *Combined selective lesions of both septohippocampal and corticopetal basal forebrain cholinergic projections disrupt attentional processing but not spatial learning*. Society for Neuroscience Abstracts, 22, 681.
10. **Bucci, D.J.**, Chiba, A.A., Holland, P.C., and Gallagher, M. (1995) *C-fos induction during an incremental change in attention*. Society for Neuroscience Abstracts, 21, 935.
9. Chiba, A.A., **Bucci, D.J.**, Holland, P.C., and Gallagher, M. (1994) *Substantia innominata lesions impair incremental attentional processing in a Pavlovian conditioning paradigm*. Meeting on Learning and Memory, Cold Spring Harbor Laboratory.
8. Baxter, M.G., **Bucci, D.J.**, Gorman, L.K., Gallagher, M. (1994) *Selective immunotoxic lesions of basal forebrain cholinergic cells: Effects on learning and memory*. Meeting on Learning and Memory, Cold Spring Harbor Laboratory.
7. **Bucci, D.J.**, Chiba, A.A., and Gallagher, M. (1994*) A study of spatial learning in male and female Long-Evans rats*. Society for Neuroscience Abstracts, 20, 363.
6. Baxter, M.G., **Bucci, D.J.**, Chiba, A.A., Thai, L., Wiley, R.G., and Gallagher, M. (1994) *192-IgG-saporin lesions of basal forebrain cholinergic cells: Effects on learning and memory in rats*. Society for Neuroscience Abstracts, 20, 1215.
5. **Bucci, D.J.**, Keir, W.J., and Morrow, A.L. (1993) *Effect of chronic ethanol administration on NMDA-R1 receptor subunit mRNA levels*. Society for Neuroscience Abstracts, 19, 378.
4. **Bucci, D.J.**, Mahle, C.D., Karten, H.J., and Carter, R.B. (1992*) Autoradiographic localization of 5-HT_{1A} receptors in pigeon brain*. Society for Neuroscience Abstracts, 18, 93.
3. Mahle, C.D., Nowak, H.P., **Bucci, D.J.**, Carter, R.B., and Yocca, F.D. (1992) *[^{3}H]5-carboxamidotryptamine labels multiple high affinity binding sites in vertebrate brain*. Society for Neuroscience Abstracts, 18, 1519.
2. Mahle, C.D., Nowak, H.P., **Bucci, D.J.**, Carter, R.B., and Yocca, F.D. (1992) *Species dependent differences in multiple [^{3}H]5-carboxamidotryptamine (5-$HT_{1D\text{-}like}$) binding sites in vertebrate brain*. International Symposium on Serotonin, Houston, TX.
1. Yocca, F.D., Nowak, H.P., **Bucci, D.J.**, Carter, R.B., and Mahle, C.D. (1992) *Species differences in multiple [^{3}H]5-carboxamidotryptamine-sensitive (5-$HT_{1D\text{-}like}$) binding sites in vertebrate brain*. British Journal of Pharmacology, 107, 117 (Summer Meeting, British Pharmacological Society, Dublin, Ireland).

PRESS RELEASES AND MEDIA COVERAGE

- *The Atlantic*, 2014: http://www.theatlantic.com/technology/archive/2014/08/in-the-brain-memories-are-inextricably-tied-to-place/375969/
- *US News & World Report*, 2013: http://health.usnews.com/health-news/health-wellness/articles/2013/11/28/yes-you-can--and-should--exercise-during-pregnancy

- *New York Times*, 2013; http://well.blogs.nytimes.com/2013/11/20/mothers-exercise-may-boost-babys-brain/?_r=0
- *News Journal*, 2013): http://delonline.us/UDXIpL
- *New York Times*, 2012; http://well.blogs.nytimes.com/2012/05/30/how-exercise-can-jog-the-memory/
- *Huffington Post*, 2012; http://www.huffingtonpost.com/2012/05/31/exercise-makes-you-smarter-adhd-research_n_1528383.html?ref=health-and-fitness&ir=Health%20and%20Fitness
- *Medical News Today*, 2012; http://www.medicalnewstoday.com/articles/245751.php
- *MyHealthNewsDaily*, 2012; http://www.myhealthnewsdaily.com/2634-adhd-exercise-recess-improve-behavior.html
- *Wired.com*, 2012; http://www.wired.com/playbook/2012/05/exercise-memory-and-adhd/)
- *MN Public Radio*, 2010
- *Epoca magazine Brazil*, 2010
- *New York Times*, 2009; http://well.blogs.nytimes.com/2009/11/18/phys-ed-why-exercise-makes-you-less-anxious/?emc=eta1
- *CNN*, 2009; http://www.cnn.com/2009/HEALTH/11/03/digital.diary.brain.mind/index.html
- Society for Neuroscience Press Release, 2008
- *New York Times*, 2001

PROFESSIONAL SOCIETY MEMBERSHIPS

- American Psychological Association (Fellow)
- Association for Psychological Science (Fellow)
- Eastern Psychological Association (Member)
- Faculty for Undergraduate Neuroscience (Member)
- Pavlovian Society (Member)
- Society for Neuroscience (Member)
- Society for Research on Nicotine and Tobacco (Member)
- International Behavioural and Neural Genetics Society (Member)
- New Hampshire Chapter of the Society for Neuroscience (Member)

PROFESSIONAL DEVELOPMENT ACTIVITIES

- Participant, Active Learning Institute (Dartmouth Center for the Advancement of Learning), 2008, 2012
- Panelist, Annual Conference on Survival Skills and Ethics, Snowmass, Colorado, 2007
- Invited participant, Annual Conference on Survival Skills and Ethics, Snowmass, Colorado, 2001
- Co-Founder and President, Brown University Postdoctoral Association, 1999-2001

EDITORIAL ACTIVITIES

Editorial boards

Associate Editor, *Neurobiology of Learning and Memory* (2015-present)
Founding Editor, Invited Mini-reviews, *Neurobiology of Learning and Memory* (2015-present)
Consulting Editor, *Neurobiology of Learning and Memory* (2009-present)
Consulting Editor, *Behavioral Neuroscience* (2009-present)
Consulting Editor, *Behavioural Brain Research* (2012-present)
Guest Editor, *Neurobiology of Learning and Memory – Special Issue on Parietal Cortex* (2009)
Guest Editor, *Frontiers in Neuroscience, Special Issue on Cognitive Functions of Posterior Parietal Cortex* (2011-2012)
Guest Editor, *Neurobiology of Learning and Memory – Special Issue on Adolescence* (2015-2016)

Manuscript Review

Acta Neurobiologiae Experimentalis
Animal Cognition
Behavioral Neuroscience
Behavioral and Brain Functions
Behavioural Brain Research
Behavioural Processes
Biopolar Disorders
Biological Psychiatry
Biological Research
BioMed Research International
Brain and Cognition
Brain, Behavior, and Immunity
Brain Research
Brain Structure and Function
Cerebral Cortex
CNS & Neurological Disorders-Drug Targets
Cognitive, Affective, and Behavioral Neuroscience
Current Biology
Current Diabetes Reviews
Current Directions in Psychological Science
Current Medicinal Chemistry
Dementia and Geriatric Cognitive Disorders
Developmental Cognitive Neuroscience
Developmental Psychobiology
eLIFE
Epilepsy and Behavior
European Journal of Neuroscience
European Journal of Pharmacology
European Neuropharmacology
Experimental Gerontology
Gerontology
Hippocampus
International Journal of Developmental Neuroscience
International Journal of Neuropsychopharmacology
Journal of the American Aging Association
Journal of Musculoskeletal and Neuronal Interactions
Journal of Neurochemistry
Journal of Neuroscience
Journal of Psychiatry and Neuroscience
Journal of Psychopharmacology
Journal of Science & Medicine in Sport
Journal of Sport and Health Science
Journal of Visualized Experiments
Learning and Memory
Mental Health & Physical Activity
Metabolic Brain Disease
Molecular Neurobiology
Nature Reviews Neuroscience
Neurobiology of Aging
Neurobiology of Disease
Neurobiology of Learning and Memory
Neuropharmacology
Neuropsychopharmacology

NeuroReport
Neuroscience and Biobehavioral Reviews
Neuroscience Letters
Neuroscience Research
Neurotoxicology Research
Nicotine and Tobacco Research
Parkinson's Disease
Pharmacological Reports
Pharmacology, Biochemistry and Behavior
Physiology & Behavior
PLoS ONE
Proceedings of the National Academy of Sciences of the United States of America
Progress in Neuro-Psychopharmacology & Biological Psychiatry
Psychoneuroendocrinology
Psychopharmacology
Quarterly Journal of Experimental Psychology
Schizophrenia Research

Textbook Review

MIT Press
Lippincott Williams & Wilkins
Oxford University Press
Sinauer Associates
Wadsworth Publishers

Grant Review

Standing member, National Institutes of Health Biobehavioral Regulation, Learning and Ethology Study Section
National Science Foundation:
1) Panel Member, Division of Integrative Organismal Systems, Biological Sciences
2) Ad hoc reviewer, Division of Integrative Organismal Systems, Biological Sciences
3) Ad hoc reviewer, Experimental Program to Stimulate Competitive Research
National Institute of Mental Health and National Institute on Drug Abuse, ad hoc study section member
Dartmouth College Center for Clinical & Translational Science
Maine Institute for Human Genetics and Health
Neuroscience Center at Dartmouth
Virginia Tobacco Settlement Foundation
Wellcome Trust
National Institute of Education (Singapore)

Curricular Review

The Implementation Group, Inc., Washington, DC

Conference Abstract Review

Society for Research on Nicotine and Tobacco Annual Meeting

PROFESSIONAL SERVICE

Department Committees

Department Chair, Psychological and Brain Sciences (2015-2018)
Neuroscience Committee (Chair), 2013-2015
Psychological and Brain Sciences Faculty Search Committee (Chair), 2013
Graduate Committee (Chair), 2009-2012

Center for Cognitive Neuroscience Oversight Committee, 2010-present
Behavioral Neuroscience Faculty Search Committee, 2011-2012
Department Vision/Planning Committee, 2010-2011
Planning & Review Committee, 2006
Curriculum Chair, Graduate Committee, 2008-2009
Neuroscience Committee and major/minor advisor, 2005-2010
Ad hoc Neuroscience Curriculum Committee, 2007-2008
Colloquium Committee, 2006-2008
Behavioral/Cognitive Neuroscience Faculty Search Committee, 2006-2007; 2009-2010
Undergraduate Committee, 2005
Curriculum Committee, 2003
Space Committee, 2003

Institution Committees

Strategic Advisory Group, Office of the President, 2015-2016
Education Department Faculty Reappointment Committee, 2014-2015
Committee on Graduate Fellowships, 2013-2015
Instructional Designer Search Committee Member, 2012
Faculty Strategic Planning Advisory Committee, 2011-2013
Co-chair, Working Group on Teaching, Pedagogy, and Mentoring 2011-2012
Events Committee, Neuroscience Center at Dartmouth 2011-2012
Committee on Standards, 2010-2012
Pilot Committee on Undergraduate Research, 2010-2011
Rockefeller Center Faculty Council, 2008-2011
Institutional Animal Care and Use Committee, 2008-2011
Rockefeller Center Grant Review Committee, 2008-2011
Advisory Board, Dartmouth Center for the Advancement of Learning, 2008-2011
Higher Education Study Group, 2009-2010
Arts and Sciences Shop Committee, 2006-2008
Neuroscience Graduate Program Curriculum Committee, 2005-2011
Program in Molecular and Experimental Medicine Steering Committee, 2005-2006
Arts and Sciences Honors Committee, 2003
Athletic Council, 2003-2004
Center for Teaching and Learning Advisory Board, 2002-2004

Community Outreach Activities and Service

Local Activities

Dartmouth Neuroscience Day (co-organizer), 2008
Mentor for new teaching faculty in Psychological & Brain Sciences, 2006-present
Graduate School Preparation Panel (organizer), 2006
Faculty-Student Dinners, 2006-present
"Interacting with Faculty" Luncheon, 2006
Co-advisor, Society for Psychological and Brain Sciences, 2006-present
Residential Advising Program, Dean of Faculty, 2006-present
Co-advisor, College Student Interest Group in Neurology & Neuroscience, 2006-present
Psychology & Neuroscience Career Panel (organizer), 2005, 2007
New Faculty Orientation Panelist, Office of Sponsored Research, 2006

Regional and National

APA Division 6 Webmaster and Newsletter Editor, 2009-2012
Upper Valley Science Pub, 2013
Planning Committee, New Hampshire Chapter of the Society for Neuroscience, 2011-2012
Presenter, Elementary School Brain Awareness, Norwich, VT 2010, 2011, 2013
Alumni Admission Volunteer, Office of Admission, Wesleyan University, 1995-2008

Contributing author, *Scientific American* Teacher's Kits, 1998-2005
Contributing author, *Science's* NextWave.org, 1998-2001
Vice-President, Vermont Chapter of the Society for Neuroscience, 2004-2005

TEACHING EXPERIENCE

Undergraduate

Introduction to Psychological Science
Introduction to Neuroscience
Learning
Laboratory in Psychological Science
Animal Learning
Neuroscience Seminar and Annual Meeting
Biopsychology
Physiological Psychology

Graduate

Neural Plasticity and Behavior
Neurobiology of Attention
Neurobiology of Learning & Memory
Proseminar in Behavioral Neuroscience

Medical

Psychiatry Residency Training Program
Experimental and Molecular Medicine, Neuroscience Module
Clinical Neurobiology and Neuropharmacology
Advanced Neuroscience Seminar

RESEARCH SUPERVISION

Postdoctoral Fellows

Travis Todd, PhD (NRSA Fellow), Siobhan Robinson, PhD (NRSA Fellow); Jacqueline Short, PhD (co-sponsor, NRSA Fellow)

Graduate Students

Doctoral Research Supervision

Primary Advisor: Nicole DeAngeli, Alessandro Pizzo, Heidi Meyer (NRSA Fellow), Andrea Robinson, Michael Hopkins, Jill MacLeod, Christopher Keene, Amy Chess; (NRSA Fellow)

Rotation Advisor: Ali Titiz, Lan Guo, Shanhu Hu

Doctoral Dissertation Committees

James Taylor, Emily Stephens, Heidi Meyer, Eric Reavis, Eric Xu, Andrea Robinson, Lan Guo, Ali Titiz, Michael Hopkins, Jonathan Kleen, Benjamin Clark, Caroline Davis, Jill MacLeod, Sarah Meerts-Bradsma, Brian Russ, Christopher Keene, Amy Chess, Jaylyn Waddell, Ceyhun Sunsay, Alexandra Potter, Paul Pistell, Spark Campbell, Mary Cain

External Dissertation Committees

Joanna Yau (University of New South Wales), Meghan Eddy (University of Vermont), Vladimir Ljubojevic (University of Toronto), Lori Newman (University of New Hampshire)

PhD Qualifying Exam Committees

Adam Grego, Shiva Ghaanifarashahi, Michael Hasse, Will Butler, James Taylor, Heidi Meyer, Eric Xu, Kanghoon Jung, Alex Schlegel, Jeremy Huckins, Lan Guo, Melissa Rundle, Lisa Sprute, Maraget Gullick, Michael Hopkins, Kristina Caudle, Jonathan Kleen, Benjamin Clark, Jill MacLeod,

Sarah Meerts-Bradsma, Sarah Wang, Emily Cross, Christopher Keene, Amy Chess, Ceyhun Sunsay, Jennifer Plebani, Matthew Johnson, Ryan Vandrey, Rita Rossi

Master's Thesis Committees
Amy Chess

Undergraduate Students

Honors Research Advisor
Molly Chodakewitz, Anna Pasternak, Angela Gauthier, Carrie Poorman, Thomas Marder, Rachel Eggleston, Hannah Iaccarino, Katelyn Trecartin, Roni Nitecki, Andrew Palmer, Sunny Zhang, Farshad Chowdhury, Elizabeth Chang, Mita Sharma, Megan Vucovich, Jeremy Arenos

Honors Thesis Committees
Katelyn Wong, Kenneth Amaya, Alec Marchuk, Kara Farnes, Hector Reynoso, Sarah Streeter, Michelle VanTieghem, Maria Barsky, Joshua Chalif, Victoria Stockman, Amanda Hernan, Sahar Naseer, Allison Baker, Nicole Lanza, Idan Ariel, Dieu Thi Nguyen, Chadd Funk, Anika Mirick, Jennifer Kosty, Mignon Lamia, Timothy Laumann, Zhen Huang, Asha Sarma, Jillian Smith, Kara Humphries

Independent Studies Research
Molly Chodakewitz, Devon Camp, Anna Pasternak, Rebecca Schneyer, Rachel Eggleston, Carrie Poorman, Hannah Payne, Cynthia Akagbosu, Joseph Pena, Victoria Stockman, Gretchen Evans, Sunny Zhang, Lynn Guo, Jonathan Woolf, Tara Burns, Torey Alling, Justine Cormier, Elizabeth Wyzik

Presidential Scholars
Matthew Jiang, Roman Huszar, Katherine Herrington, Molly Chodakewitz, Rebecca Schneyer, Hannah Iaccarino, Hannah Payne, Christina Ackerman, Daisy Duan, Allie Landers, Farshad Chowdhury, Mita Sharma, Lauren Orr

Howard Hughes Medical Institute Research Interns
Matthew Jiang, Kate Herrington, Roman Huszer, Kaavya Adam, Hannah Iaccarino, Evan Lamont, Eric Ross, Cynthia Akagbuso, Daisy Duan, Benjamin Campbell

Other Research Fellows
Tangeria Adams (ASURE), Michael Simoni (NSF REU), Matthew Mackey (NSF REU), Thomas Anthony Quiroz (MARC Program), Tangeria Adams (MARC Program)

Work-study Research Assistants
Gretchen Evans, Andrew Palmer, Deborah Johnson, Lynn Guo, Torey Alling, Kristin Li, Tara Burns, Stephanie Rathgeb, Michael Simoni, Matthew Mackey, Amy Woodruff, Arielle Bridges, Kara Strippoli

Volunteer Research Assistants
Devon Camp, Matthew Jiang, Roni Nitecki, Carrie Poorman, Rachel Eggleston, Sam Haw, Allison Rope, Andrew Palmer, Benjamin Campbell, Ryan Church, Chris Boyle, Sadie Richards, Deepa Ramanathan, Mitra Fotouhi, Ricardo Restrepo