

July 2011

## John T. Green, Ph.D.

University of Vermont  
Department of Psychology  
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Burlington, Vermont 05405-0134

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### Education

**Ph.D. in Psychology, 1998**  
Temple University, Philadelphia, Pennsylvania  
**M.A. in Psychology, 1996**  
Temple University, Philadelphia, Pennsylvania  
**B.A. in Psychology, 1990**  
Drexel University, Philadelphia, Pennsylvania

### Positions

**Associate Professor, 2009-current**  
Department of Psychology, University of Vermont, Burlington, Vermont  
**Assistant Professor, 2003-2009**  
Department of Psychology, University of Vermont, Burlington, Vermont  
**Postdoctoral Fellow, 1998-2003**  
Department of Psychology, Indiana University, Bloomington, Indiana

### Grants and Awards

RO1 MH082893	5/08/2009-3/31/2014
NIH/NIMH	\$2,720,595 (total direct costs)
Title: A Translational Approach to Evaluating the Effects of Physical Activity on ADHD	
Role: Co-Principal Investigator (Hoza, co-PI)	
Internal funding-Univ of Vermont	2/2009-current
McNeil Prevention & Community Psychology Fund	\$5,000 (total costs)
Title: Temporal Information Processing, the Cerebellum, and ADHD	
Role: Principal Investigator	
Internal funding-Univ of Vermont	1/2008-8/2008
McNeil Prevention & Community Psychology Fund	\$7,250 (total costs)
Title: Does Physical Activity Improve Attention, Learning, and Behavior in Young Children?	
Role: Co-Investigator (Hoza, PI)	
RO3 AA015063	7/01/2004-6/30/2007
NIH/NIAAA	\$100,000 (total direct costs)
Title: Moderate Doses of Alcohol and the Developing Cerebellum	
Role: Principal Investigator	

P20 RR016435 7/01/2004-6/30/2006  
 NIH/NCRR \$120,000 (total direct costs)  
 Center of Biomedical Research Excellence (COBRE) in Neuroscience  
 Title: Hippocampal Activity During Blocking and Unblocking  
 Role: Investigator (Parsons, PI)

EPS 0236976 3/2004 (equipment grant)  
 Vermont EPSCoR \$13,320 (total direct costs)  
 Title: Spatial Learning Assessed with a Radial Arm Maze  
 Role: Co-Principal Investigator (Bucci, co-PI)

F32 AA05591 8/01/2000-7/31/2002  
 NIH/NIAAA \$69,932 (total direct costs)  
 Title: The Effects of Ethanol on the Developing Cerebellum  
 Role: Postdoctoral Trainee

### Peer-Reviewed Publications

Zelaznik, H. N., Vaughn, A. J., **Green, J. T.**, Smith, A. L., Hoza, B., & Linnea, K. (2011). Motor timing deficits in children with Attention-Deficit/Hyperactivity Disorder. Human Movement Science.

Thanellou, A., & **Green, J. T.** (2011). Spontaneous recovery but not reinstatement of the extinguished conditioned eyeblink response in the rat. Behavioral Neuroscience, 125, 613-625.

Chess, A. C., Raymond, B. E., Gardner-Morse, I. G., Stefani, M. R., & **Green, J. T.** (2011). Set shifting in a rodent model of Attention-Deficit/Hyperactivity Disorder. Behavioral Neuroscience, 125, 372-382.

**Green, J. T.**, Chess, A. C., Burns, M., Schachinger, K. M., & Thanellou, A. (2011). The effects of two forms of physical activity on eyeblink classical conditioning. Behavioural Brain Research, 219, 165-174.

Thanellou, A., Schachinger, K. M., & **Green, J. T.** (2009). Shortened conditioned eyeblink response latency in male but not female Wistar-Kyoto Hyperactive rats. Behavioral Neuroscience, 123, 650-664.

Chess, A. C., & **Green, J. T.** (2008). Abnormal topography and altered acquisition of conditioned eyeblink responses in a rodent model of Attention-Deficit/Hyperactivity Disorder. Behavioral Neuroscience, 122, 63-74.

**Green, J. T.**, & Arenos, J. D. (2007). Hippocampal and cerebellar single-unit activity during delay and trace eyeblink conditioning in the rat. Neurobiology of Learning and Memory, 87, 269-284.

**Green, J. T.**, Arenos, J. D., & Dillon, C. J. (2006). The effects of moderate neonatal ethanol exposure on eyeblink conditioning and deep cerebellar nuclei neuron numbers in the rat. Alcohol, 39, 135-150.

Woodruff-Pak, D. S., **Green, J. T.**, Levin, S. I., & Meisler, M. H. (2006). Inactivation of sodium channel Scn8A (Na<sub>v</sub>1.6) in Purkinje neurons impairs learning in Morris water maze and delay but not trace eyeblink classical conditioning. Behavioral Neuroscience, 120, 229-240.

**Green, J. T., & Steinmetz, J. E. (2005).** Purkinje cell activity in the cerebellar anterior lobe after rabbit eyeblink conditioning. Learning and Memory, 12, 260-269.

**Green, J. T. (2004).** The effects of ethanol on the developing cerebellum and eyeblink classical conditioning. Cerebellum, 3, 178-187.

**Green, J. T. (2003).** Using eyeblink classical conditioning as a test of the functional consequences of exposure of the developing cerebellum to alcohol. Integrative Physiological and Behavioral Science, 38, 45-64.

**Green, J. T., Tran, T., Steinmetz, J. E., & Goodlett, C. R. (2002).** Neonatal ethanol produces cerebellar deep nuclear cell loss and correlated disruption of eyeblink conditioning in adult rats. Brain Research, 956, 302-311.

**Green, J. T., Johnson, T. B., Goodlett, C. R., & Steinmetz, J. E. (2002).** Eyeblink classical conditioning and interpositus nucleus activity are disrupted in adult rats exposed to ethanol as neonates. Learning and Memory, 9, 304-320.

Woodruff-Pak, D. S., **Green, J. T.**, Pak, J. T., Heifets, B., & Pak, M. H. (2002). The effect of scopolamine in older rabbits tested in the 750 ms delay eyeblink classical conditioning procedure. Integrative Physiological and Behavioral Science, 37, 103-113.

Pak, J. T., **Green, J.**, Heifets, B., Pak, M., & Woodruff-Pak, D. (2002). Nefiracetam ameliorates associative learning impairment in the scopolamine-injected older rabbit. Medical Science Monitor, 8, BR105-112.

Woodruff-Pak, D. S., **Green, J. T.**, Pak, J. T., Shiotani, T., Watabe, S., & Tanaka, M. (2002). The long-term effects of nefiracetam on learning in older rabbits. Behavioural Brain Research, 136, 299-308.

Steinmetz, J. E., Tracy, J., & **Green, J. T. (2001).** Classical eyeblink conditioning: Clinical models and applications. Integrative Physiological and Behavioral Science, 36, 220-238.

Churchill, J. D., **Green, J. T.**, Voss, S. E., Manley, E., Steinmetz, J. E., & Garraghty, P. E. (2001). Discrimination reversal conditioning of an eyeblink response is impaired by NMDA receptor blockade. Integrative Physiological and Behavioral Science, 36, 62-74.

**Green, J. T., Rogers, R. F., Goodlett, C. R., & Steinmetz, J. E. (2000).** Impairment in eyeblink classical conditioning in adult rats exposed to ethanol as neonates. Alcoholism: Clinical and Experimental Research, 24, 438-447.

**Green, J. T., & Woodruff-Pak, D. S. (2000).** Eyeblink classical conditioning: Hippocampal formation is for neutral stimulus associations as cerebellum is for association-response. Psychological Bulletin, 126, 138-158.

Steinmetz, J. E., Blankenship, M. R., **Green, J. T.**, Smith, G. B., & Finn, P. R. (2000). Evaluation of behavioral disinhibition in P/NP and HAD1/LAD1 rats. Progress in Neuro-Psychopharmacology & Biological Psychiatry, 24, 1025-1039.

Woodruff-Pak, D. S., **Green, J. T.**, Coleman-Valencia, C., & Pak, J. T. (2000). A nicotinic cholinergic agonist (GTS-21) and eyeblink classical conditioning: Acquisition, retention, and relearning in older rabbits. Experimental Aging Research, *26*, 323-336.

**Green, J. T.**, Ivry, R. B., & Woodruff-Pak, D. S. (1999). Timing in eyeblink classical conditioning and timed-interval tapping. Psychological Science, *10*, 19-23.

Mostofsky, S. H., **Green, J. T.**, Meginley, M., Christensen, J. R., & Woodruff-Pak, D. S. (1999). Conditioning in identical twins with ataxia: Telangiectasia. Neurocase: Case Studies in Neuropsychology, Neuropsychiatry, and Behavioural Neurology, *5*, 425-433.

**Green, J. T.**, & Woodruff-Pak, D. S. (1997). Concurrent eyeblink classical conditioning and rotary pursuit performance: Implications for independent nondeclarative memory systems. Neuropsychology, *11*, 474-487.

**Green, J. T.** (1997). Using numerosity to determine what is learned during automatization. Journal of Experimental Psychology: Learning, Memory, and Cognition, *23*, 1046-1052.

### **Book Chapters**

**Green, J. T.**, & Steinmetz, J. E. (2003). Classical conditioning: Behavioral phenomena. In J. H. Byrne (Ed.), Learning and Memory (2<sup>nd</sup> ed., pp. 74-77). New York: Macmillan Reference.

**Green, J. T.**, Ivry, R. B., & Woodruff-Pak, D. S. (2000). Dual-task and repeated measures designs: Utility in assessing timing and neural functions in eyeblink conditioning. In D. S. Woodruff-Pak & J. E. Steinmetz (Eds.), Eyeblink classical conditioning: Volume I, Applications to humans (pp. 95-117). Boston: Kluwer.

**Green, J. T.**, & Woodruff-Pak, D. S. (2000). Eyeblink classical conditioning in aging animals. In D. S. Woodruff-Pak & J. E. Steinmetz (Eds.), Eyeblink classical conditioning: Volume II, Animal models (pp. 155-178). Boston: Kluwer.

### **Invited Commentary**

Steinmetz, J. E., Britton, G., & **Green, J. T.** (2000). How is the feed-forward Pavlovian control system instantiated in neurobiology? Behavioral and Brain Sciences, *23*, 267.

### **Abstracts**

**Green, J. T.**, & Thanellou, A. (2010). Reinstatement of the extinguished eyeblink conditioned response in the rat: Creation of an excitatory context at test. Pavlovian Society Abstracts.

**Green, J.T.**, Burns, M., Bollinger, C.E., & Schachinger, K.M. (2009). The effects of two forms of physical activity on long-delay eyeblink classical conditioning in Wistar and spontaneously hypertensive rats. Program No. 283.16. 2009 Neuroscience Meeting Planner. Chicago, IL: Society for Neuroscience, 2009. Online.

**Green, J.T.**, Burns, M., Bollinger, C.E., & Schachinger, K.M. (2009). Physical activity and eyeblink classical conditioning in Wistar and Spontaneously Hypertensive rats. Pavlovian Society Abstracts.

Thanellou, A.G., & **Green, J.T.** (2009). Timing of rat conditioned eyeblink responses and inhibition of delay. Program No. 283.17. 2009 Neuroscience Meeting Planner. Chicago, IL: Society for Neuroscience, 2009. Online.

Thanellou, A., & **Green, J. T.** (2009). Inhibition of delay in rat eyeblink conditioning. Pavlovian Society Abstracts.

Zelaznik, H.N., Vaughn, A.J., **Green, J.T.**, Smith, A.L., Hoza, B., & Linnea, K. (2009). Children with Attention Deficit Hyperactivity Disorder exhibit timing deficits in tapping. North American Society for the Psychology of Sport and Physical Activity (NASPSPA) Abstracts.

Thanellou, A. G., Schachinger, K. M., & **Green, J. T.** (2008). Abnormal timing of conditioned eyeblink responses in male but not female Wistar-Kyoto Hyperactive rats. Pavlovian Society Abstracts.

Thanellou, A. G., Chess, A. C., & **Green, J. T.** (2008). Abnormal cerebellar-dependent learning in two rodent models of attention-deficit/hyperactivity disorder. Eastern Psychological Association Abstracts.

Chess, A. C., & **Green, J. T.** (2007). Acquisition and timing of conditioned eyeblink responses are differentially affected in a rodent model of attention-deficit/hyperactivity disorder. Program No. 306.22. 2007 Neuroscience Meeting Planner. San Diego, CA: Society for Neuroscience, 2007. Online.

Thanellou, A. G., & **Green, J. T.** (2007). Neuronal loss in the rat caudate-putamen after a moderate dose of ethanol during the third trimester equivalent. Program No. 697.15. 2007 Neuroscience Meeting Planner. San Diego, CA: Society for Neuroscience, 2007. Online.

**Green, J. T.**, & Arenos, J. D. (2006). Hippocampal versus cerebellar single-unit activity during delay versus trace eyeblink classical conditioning in the rat. Program No. 667.10. 2006 Neuroscience Meeting Planner. Atlanta, GA: Society for Neuroscience, 2006. Online.

Thanellou, A. G., & **Green, J. T.** (2006). Reinstatement of the extinguished eyeblink conditioning response in the rat. Program No. 161.15. 2006 Neuroscience Meeting Planner. Atlanta, GA: Society for Neuroscience, 2006. Online.

**Green, J. T.**, & Arenos, J. D. (2006). A comparison of hippocampal CA1 and interpositus nucleus single-unit activity during delay versus trace eyeblink conditioning matched for CS-US interval in the rat. Pavlovian Society Abstracts.

**Green, J. T.**, Arenos, J. D., & Dillon, C. J. (2005). Impaired long-delay eyeblink conditioning in rats after moderate doses of ethanol during the third trimester equivalent. Program No. 197.4. 2005 Neuroscience Meeting Planner. Washington, DC: Society for Neuroscience, 2005. Online.

Arenos, J. D., & **Green, J. T.** (2005). Neuronal loss in the rat lateral and interpositus cerebellar nuclei after moderate doses of ethanol during the third trimester equivalent. Program No. 916.3. 2005 Neuroscience Meeting Planner. Washington, DC: Society for Neuroscience, 2005. Online.

Vogel, III, R. W., **Green, J. T.**, & Steinmetz, J. E. (2003). Post-training inactivation of the cerebellar interpositus nucleus disrupts performance of the classically conditioned eye-blink response

and some learning-related activity of Purkinje cells in the anterior cerebellar cortex. Pavlovian Society Abstracts.

**Green, J. T., & Steinmetz, J. E.** (2002). Purkinje cell activity in the cerebellar anterior lobe during eyeblink conditioning in rabbits. Program No. 676.11. 2002 Neuroscience Meeting Planner. Washington, DC: Society for Neuroscience, 2002. Online.

Rossebo, O. E., **Green, J. T., & Steinmetz, J. E.** (2002). Neonatal exposure to ethanol causes dose-dependent deficits in eyeblink conditioning in the adult rat. Program No. 105.6. 2002 Neuroscience Meeting Planner. Washington, DC: Society for Neuroscience, 2002. Online.

Young, B. W., **Green, J. T., & Steinmetz, J. E.** (2002). Physiological effects of neonatal alcohol-induced Purkinje cell loss in adult rats. Program No. 105.7. 2002 Neuroscience Meeting Planner. Washington, DC: Society for Neuroscience, 2002. Online.

**Green, J. T., Tran, T., Goodlett, C. R., & Steinmetz, J. E.** (2001). Neonatal ethanol exposure in rats causes permanent neuronal loss in the cerebellar deep nuclei. Program No. 640.19. 2001 Neuroscience Meeting Planner. Washington, DC: Society for Neuroscience, 2001. Online.

Tran, T. D., **Green, J. T., Steinmetz, J. E., & Goodlett, C. R.** (2001). Binge ethanol exposure in neonatal rats causes permanent neuronal loss in the cerebellar deep nuclei. Alcoholism: Clinical and Experimental Research, 25, Supplement, 73A.

**Green, J. T., Johnson, T. B., Goodlett, C. R., & Steinmetz, J. E.** (2000). Neonatal alcohol exposure in rats disrupts adult eyeblink conditioning and cerebellar neural activity. Program No. 268.9. 2000 Neuroscience Meeting Planner. Washington, DC: Society for Neuroscience, 2000. Online.

**Green, J. T., Rogers, R. F., Rorick, L. M., Goodlett, C. R., & Steinmetz, J. E.** (1999). Early exposure to alcohol disrupts adult eyeblink classical conditioning in rats. Society for Neuroscience Abstracts, 25, 94.

Tracy, J., **Green, J. T., & Steinmetz, J. E.** (1999). Extracellular interpositus stimulation as a conditioned stimulus during eyeblink conditioning. Society for Neuroscience Abstracts, 25, 95.

**Green, J. T., Rogers, R. F., Rorick, L. M., Goodlett, C. R., & Steinmetz, J. E.** (1999). Early exposure to alcohol disrupts adult cerebellar-dependent learning. Alcoholism: Clinical and Experimental Research, 23, Supplement, 32A.

**Green, J. T., Ivry, R. B., & Woodruff-Pak, D. S.** (1998). Variability in eyeblink classical conditioning and timed-interval tapping over five interstimulus intervals. Society for Neuroscience Abstracts, 24, 164.

**Green, J. T., Smyers, A., & Woodruff-Pak, D. S.** (1998). Awareness of the interstimulus interval is unrelated to learning in eyeblink conditioning. American Psychological Society, 10, 109.

Woodruff-Pak, D. S., **Green, J. T., Pak, J. T., Shiotani, T., Watabe, S., & Tanaka, M.** (1998). Duration of amelioration of nefiracetam in older rabbits on relearning and retention. Society for Neuroscience Abstracts, 24, 685.

**Green, J. T.,** Ivry, R. B., & Woodruff-Pak, D. S. (1997). Related variability in conditioned responses and timed-interval tapping indicating a common cerebellar component. Society for Neuroscience Abstracts, 23, 1053.

**Green, J. T.,** Pak, J. T., & Woodruff-Pak, D. S. (1997). The effect of nefiracetam on eyeblink classical conditioning in the scopolamine-injected older rabbit. American Psychological Society, 9, 34.

Mostofsky, S. H., **Green, J. T.,** Christensen, J. H., Meginley, M., & Woodruff-Pak, D. S. (1997). Conditioned eyeblink response in adolescent girls with ataxia-telangiectasia. Journal of Neuropsychiatry and Clinical Neurosciences, 9, 103.

Small, E. M., **Green, J. T.,** & Woodruff-Pak, D. S. (1997). Dual-task performance of two nondeclarative tasks: Separate brain memory systems. American Psychological Society, 9, 34.

Woodruff-Pak, D. S., **Green, J. T.,** Pak, J. T., Heifets, B., & Pak, M. H. (1997). Scopolamine-induced learning impairment in young and old rabbits: Effects of nefiracetam. Society for Neuroscience Abstracts, 23, 1841.

**Green, J. T.,** & Woodruff-Pak, D. S. (1996). Dual-task performance of rotary pursuit and eyeblink classical conditioning. Society for Neuroscience Abstracts, 22, 1114.

### **Invited Presentations**

“Rodent models of ADHD and cerebellum-dependent learning”, Department of Biology, University of Vermont, 2009.

“Memory and the brain: What have we learned?”, Osher Lifelong Learning Institute, Newport VT, 2006.

“The roles of the hippocampus and the cerebellum in trace eyeblink conditioning”, Department of Psychological and Brain Sciences, Dartmouth College, 2006.

“The long-term effects on the cerebellum of developmental alcohol exposure”, Department of Biology, University of Vermont, 2005.

“The long-lasting consequences on the cerebellum of early exposure to alcohol”, Vermont Chapter of the Society for Neuroscience, 2005.

“Behavioral, neuroanatomical, and neurophysiological effects of alcohol exposure on the developing cerebellum”, Department of Biology, Middlebury College, 2004.

“Alcohol and the developing cerebellum”, Department of Psychology, University of Vermont, 2003.

“Purkinje cell activity in the cerebellar anterior lobe during eyeblink conditioning in rabbits”, Annual Tristate Conference, 2003.

“Purkinje cell activity in the cerebellar anterior lobe during eyeblink conditioning in rabbits”, Annual Meeting of the Pavlovian Society, 2002.

“Using eyeblink classical conditioning to study fetal alcohol syndrome”, Annual Meeting of the Pavlovian Society, 2001.

“The effects of early exposure to ethanol on adult eyeblink conditioning and cerebellar activity”,  
Annual Tristate Conference, 2000.

## **Affiliations and Professional Service**

### **Professional Memberships**

Association for Psychological Science  
Pavlovian Society  
Society for Neuroscience  
Vermont Chapter of the Society for Neuroscience

### **Professional Service**

Vermont Chapter of the Society for Neuroscience  
faculty representative, 2005-2010

### **Journal Manuscript Reviewer**

Alcohol  
Alcoholism: Clinical and Experimental Research  
Behavioral and Cognitive Neuroscience Reviews  
Behavioral Neuroscience  
Behavioural Brain Research  
Brain Research  
Cerebellum  
Cerebral Cortex  
Developmental Psychobiology  
Integrative Physiological and Behavioral Science  
International Journal of Environmental Research and Public Health  
Journal of Comparative Psychology  
Journal of Experimental Psychology: General  
Learning and Memory  
Neurobiology of Learning and Memory  
Neurotoxicology and Teratology  
Neuroscience Letters  
Physiology and Behavior

### **Textbook Manuscript Reviewer**

Biological Psychology (Wadsworth)  
Brain, Mind, and Behavior (Norton)  
Psychology, 8<sup>th</sup> edition (Norton)

### **Grant Reviewer**

Alzheimer's Association  
Department of Defense Experimental Program to Stimulate Competitive Research  
Joint Scientific Thematic Research Programme  
National Institutes of Health / National Institute of Mental Health  
US Army Medical Research and Materiel Command  
Vermont Genetics Network

## **Departmental, College, and University Service**

**Department Service**

General/Experimental Graduate Program  
director, 2011-present

Psychology Department Faculty Search Committee  
chair, 2005-2006; 2007-2008  
member, 2004-2005, 2009-2010

Psychology Department Representative for Summer Orientation Advising  
summer 2005-2011

Psychology Department Web Committee  
member, 2004-2006

Psychology Department Space Committee  
member, 2003-2011

**College Service**

Honors Committee  
member, 2009-present

Communication Sciences Department Faculty Search Committee  
member, 2004-2005

Neuroscience Bachelor of Science Degree  
co-developer, 2006-2010  
director, 2011-present

**University Service**

Neuroscience Graduate Program Steering Committee  
member, 2005-2010

Leadership Team, Carnegie Initiative on the Doctorate in Neuroscience  
member, 2004-2005

**Teaching Experience**

**University of Vermont**

Cognitive Neuroscience (graduate)  
Psychology 380  
Fall 2005

Learning, Cognition, and Behavior  
Psychology 104  
Spring 2008, Spring 2009, Spring 2010

Motivation  
Psychology 206  
Fall 2003, Spring 2004

Neurobiology of Learning and Memory (graduate)  
Psychology 380  
Spring 2007

Physiological Psychology  
Psychology 221  
Fall 2004, Fall 2005, Fall 2006, Fall 2007, Fall 2008, Fall 2009

Professional Seminar: Behavioral Neuroscience (graduate)  
Psychology 303  
Fall 2008, Fall 2009

Selected Topics in Behavioral Neuroscience  
Psychology 222  
Spring 2004, Fall 2004, Spring 2005, Spring 2007

**Indiana University**

Psychology of Learning  
Psychology 325  
Spring 2002

**Temple University**

Introduction to Psychology as a Social Science  
Psychology 060  
Summer 1995