

## CURRICULUM VITA

**Dawn Bowers, Ph.D., ABPP/CN**

### CONTACT INFORMATION

Business Address: University of Florida  
 Department of Clinical and Health Psychology  
 College of Public Health and Health Professions  
 PO Box 100165  
 Gainesville, Florida 32610  
Website: [www.phhp.ufl.edu/neuropsych](http://www.phhp.ufl.edu/neuropsych)

Business Phone: (352) 273-6152  
 (352) 265-0294 (Clinic)

Facsimile: (352) 273-6156

Electronic Mail: [dawnbowers@phhp.ufl.edu](mailto:dawnbowers@phhp.ufl.edu)

Research Laboratory Cognitive Neuroscience Laboratory,  
 Evelyn F. and William L. McKnight Brain Institute  
 Room L3-135  
 Laboratory Phone: (352) 392-3450  
 Office: (352) 294-0337  
Website: [www.phhp.ufl.edu/cogneuro](http://www.phhp.ufl.edu/cogneuro)

Citizenship United States

### EDUCATION

High School: Marianna High School (1968)  
 Valedictorian

College: Emory University (1968-70)  
 University of Florida, B.A., 1972, Magna Cum Laude

Graduate School: University of Florida, M.A., 1974  
 Clinical Psychology

University of Florida, Ph.D., 1978, Clinical  
 Psychology [Neuropsychology]

Doctoral Dissertation: *Material Specific Hemispheric  
 Activation*; (Co-Chairs: Paul Satz, Ph.D., Kenneth  
 M. Heilman, M.D.)

Internship	Clinical Psychology/ Neuropsychology, 1976-77 Boston Veterans Administration Medical Center Supervisors: Edith Kaplan, Harold Goodglass, <i>Neurogeriatrics Externship</i> : Framingham Heart Study <i>Pediatric Neuropsychology Externship</i> : Martha Denckla
Post-Doctoral	Neurobehavioral Research Fellow, 1978-1979, Department of Neurology, University of Florida (Mentor: Kenneth M. Heilman, M.D.)
Licensure	Florida PY0003179, 1983
Board Certification	Board certified in clinical neuropsychology, American Board of Professional Psychology (ABPP), April 2013

### **PROFESSIONAL BACKGROUND**

Current Appointments	<p>Neuropsychology Area Head, Department of Clinical and Health Psychology, College of Public Health and Health Professions, University of Florida, 2006-ongoing</p> <p>Professor in Clinical and Health Psychology, College of Public Health and Health Professions, University of Florida, Gainesville, Florida, 2004-ongoing</p> <p>Adjunct Professor of Neurology, College of Medicine, University of Florida, 1998-ongoing</p> <p>UF Foundation Research Professor, University of Florida, 2006-2009</p> <p>Director, Cognitive Neuroscience Laboratory, Evelyn F. and William L. McKnight Brain Institute, 2000- present</p> <p>Doctoral Research Faculty, University of Florida, 1984-</p> <p>Graduate Faculty Status, University of Florida, 1980-</p>
Past Appointments	<p>Associate Professor of Clinical &amp; Health Psychology, University of Florida, Gainesville, Florida, 1985-2005</p> <p>Associate Professor of Neurology, College of Medicine, University of Florida, Gainesville, Florida, 1985-2005</p> <p>Research Director, Pallidotomy Clinical Research Program, College of Medicine, 1995-1998</p> <p>Director, Clinical Neuropsychology Research Laboratory, Department of Neurology, College of Medicine, 1994-1998</p> <p>Senior Neuropsychologist, State of Florida Memory</p>

Disorders Clinic at the University of Florida, College of Medicine, 1986-1998

Associate Professor of Clinical and Health Psychology, College of Health Professions, Adjunct Professor, University of Florida, 1985-1998

Assistant Professor of Neurology, University of Florida College of Medicine, Gainesville, Florida, 1980-1984

Post-doctoral Neurobehavioral Fellow, Department of Neurology, University of Florida College of Medicine, 1979-1980

Research Associate, Department of Neurology Neuropsychology Laboratory, University of Florida College of Medicine, 1977-1978

Teaching Fellow in Neurology, Boston University, College of Medicine, 1976-1977

Graduate Research Assistant, Neuropsychology Laboratory, Department of Clinical and Health Psychology, University of Florida, 1974-1976 (Supervisor: Paul Satz, Ph.D.)

Research Assistant, Department of Clinical and Health Psychology, University of Florida, Gainesville, FL 1973-1974 (Supervisor: Molly Harrower, Ph.D.)

Graduate Teaching Assistant (Personal Growth, Abnormal Psychology), Department of Psychology, University of Florida, 1972-73

## **PROFESSIONAL ORGANIZATIONS**

American Psychological Association, Divisions 12 (Clinical Psychology), Division 40 (Neuropsychology); Fellow 2013; Division 40 Fellows Committee

Women in Neuropsychology (WIN), Charter Member, APA Division 40

American Academy of Clinical Neuropsychology (AACN), 2013 –onwards; ABBP mentor

International Neuropsychology Society, 1975-present; (Board of Governors: 2012-2015; Awards Committee: 2005-ongoing; Continuing Education Committee: 1993-1998; Program Committee: 1986, 1991, 1996, 2004, 2008)

American Academy of Neurology  
Cognitive Neuroscience Society, 1994-present

Society for Neuroscience, 1994-present

Memory Disorders Research Society (Charter Member),  
1988

## **GRANTS AND CONTRACTS**

Multi-PI: *Interdisciplinary Training in Movement Disorders and Neurorestoration*. NIH/NINDS, T32-NS082168, 2015-2020.

Co-Investigator: *Novel Markers in Alzheimer's Disease*, State of Florida (Overall PI: D. Loewenstein, Ph.D., Site PI: Meredith Wicklund, MD), 02/01/2015-6/30/2015

Co-Investigator: *A Closed Loop Neuromodulation Solution For Parkinson's Disease Related Freezing*, Michael J. Fox Foundation (PI: MS Okun), 2015-2017

Co-Investigator: *Tourette Syndrome Deep Brain Stimulation*. COM-MBI, (M.S. Okun, PI), 2014-15.

Multi-Principal Investigator: *Re-Vitalize: Improving Memory in MCI- Motion and emotion*. Sante Fe/Avmed Village Retirement Community (MPI: M Marsiske), 2014-2017

Co-Investigator: *White Matter Connectivity and PD Cognitive Phenotypes*. NIH/NINDS R01-NS-082386, (PI: Pricel), 2013-2018

Principal Investigator: *Emotion Regulation, Executive Function, and Parkinson Disease*. NIH R21NS079767, (Co-Investigators: Bradley, Perlstein, Okun), 2012-2015.

Principal Investigator: *The VITAL Study; A Platform for the Enhancement of Cognition in Normal Elderly* McKnight Brain Institute, 2010-2013.

Co-Investigator: *The Role of Visual Attention in Driving Safety in Parkinson disease*. National Parkinson Foundation. (Classen PI), 2010-2012.

Co-Investigator: *Language and Executive Function in Parkinson's Disease: Effects of dual task and exercise*. National Institutes of Aging. R21-AG033284, (Co-PI's: Chris Hass, Lori Altman), 8/2/2010-8/1/2012.

Co-Investigator: *Scheduled and Responsive Brain Stimulation for the Treatment of Tourette Syndrome*. National Institutes of Mental Health. 1R34MH080764, (Okun, PI), 9/2008-8/2012.

Principal Investigator: *Masked Faces in Parkinson Disease: Mechanism and Treatment*. Funded by National Institutes of Neurologic Disease and Stroke, R01-NS50633), 2004-2009, \$1,250,000.

Co-Principal Investigator. *Repetitive Transcranial Magnetic Stimulation for the Treatment of Apathy in Parkinson's Disease* (The Restore Study). Funded by Michael J. Fox Foundation, (H. Fernandez, PI), 2006-2008

Mentor, Institutional Training Grant (T32-DC008768), *Training in treatment of communication disorders and in translational neuroscience* (funded by National Institute of Deafness and Communication Disorders/NIH (L. Gonzalez-Rothi, PI), 7/1/2007-3/31/2012, \$812,217

Principal Investigator: *Aging, emotional memory, and the amygdala-hippocampus*, funded by Evelyn F. and William B. McKnight Research Award, University of Florida, 2003-2005, \$70,000.

Principal Investigator: *Digitizing the Face: Priming, TMS, and Hemispheric Asymmetries*, funded by National Institutes of Mental Health, MH62458, 2002-2006, \$850,000.

Co-Investigator: *The Influence of Tourniquet Time on Cerebral Embolic Events in Elderly Patients Undergoing Total Knee Arthroplasty*, funded by the University of Florida Opportunity Fund, (T. Monk, PI), 2002-2003, \$30,000.

Co-Investigator: *A Clinical Trial of Transcranial Magnetic Stimulation in Treatment of Depression*, funded by Medical Research Service of Veterans Administration, (S. Nadeau, PI), 2001-06, \$657,000.

Co-Investigator: *Pain Assessment in Nursing Home Residents*”, funded by National Institutes of Nursing (NIH), (A. Horgas, PI), 2001-04, \$472,775.

Co-Investigator: *Cognitive Function after Coronary Artery Bypass Graft surgery with or without cardiopulmonary bypass*”, funded by *Florida Biomedical Research Fund*, State of Florida, (Davies, PI), 2001-2003, \$298,000.

Principal Investigator: *Cortisol, Emotional Reactivity, and Temporal Lobe Dysfunction*, funded by University of Florida Opportunity Fund, 2001-02, \$30,000.

Principal Investigator: *Odor Affectivity: Impact of Temporal lobe ablations*, funded by National Institutes of Mental Health, Project 7 of NIMH “Center for the Study of Attention and Emotion (Peter Lang, Center PI), #P50-5238-007, 1994-2001, \$234,386.

Principal Investigator: *Disordered Affect Modulation after Hemispheric Dysfunction*. funded by National Institutes of Mental Health, (NIMH), #R01-MH5243, 1996-2000, 482,481.

Principal Investigator: *Parkinson’s Disease and Pallidotomy: Digitizing the Masked Face*, funded by University of Florida Office of Research and Graduate Education, Faculty Development Award, \$30,000, 1996-1997.

Consultant: *HIV: Neuropsychiatric and Psychoimmune Relationships*, funded by National Institute of Mental Health, R01-MH44618, (D. Evans, PI), 1995-2000, \$5,362,308.

Principal Investigator: *Affect Modulation after Unilateral Temporal Lobectomy*, funded by National Institute of Neurologic Disease and Stroke (NINDS), #R01-NS32911, 1994-1998, \$390,094.

Co-Principal Investigator: *Emotion and Hemisphere Dysfunction*, funded by National Institute of Mental Health, R01 MH48861, (K. Heilman, PI), 1994-1997, \$486,000.

Co-Investigator: *Psychophysiology of implicit memory in Alcoholic Amnesia*, funded by National Institutes of Alcohol Abuse and Alcoholism, R01-AA06203, (R. Bauer, PI), 1991-1994, \$248,000.

Principal Investigator: *Stroke and Affect*, funded by University of Florida *Division of Sponsored Research*, Graduate Assistant Fellowship, University of Florida, 1991-1992

Co-Principal Investigator: *Early Brain Lesions and Affective Behavior in Children*, funded by National Institute of Mental Health, #R01MH44689-0182, (K.Voeller, PI), 1990-1993.

Co-Investigator: *Retrosplenial Amnesia*, funded by *National Institutes of Health*, (E. Valenstein, PI), 1988-1990.

Co-Principal Investigator: *Disorders of Emotional Memory in Brain Damaged Patients*, funded by National Institutes of Mental Health, (K. Heilman, PI), #RO1MH40214, 1986-1989, \$270,000.

Co-Investigator: *Neglect in Animals and Man*, funded by Medical Research Service of Veterans Administration, #114304813. (Heilman, PI) 1986-1991.

Principal Investigator: *Disorders of Temporal Memory*, funded by University of Florida Division of Sponsored Research Graduate Fellowship, 1986-1987.

Co-Principal Investigator: *Covert Physiological Recognition in Alcoholic Amnesia*, funded by National Institutes of Alcohol Abuse and Alcoholism. #R01-AA06203A, (R. Bauer, PI), 1983-1986, \$220,991.

Principal Investigator: *Lexical Priming in Hemispatial Neglect*, funded by University of Florida Division of Sponsored Research Graduate Assistant Fellowship, 1983-1984.

Principal Investigator: *Effects of Hemispace on Visual laterality Tasks*, funded by University of Florida Division of Sponsored Research, Faculty Development Award, \$5500, 1981-1982.

Co-Principal Investigator: *Disorders of Affectively Intoned Speech*, funded by National Institutes of Neurologic Disease and Stroke (NINDS), #NS-10408. (K. Heilman, PI), 1981-1985.

Co-Investigator: *Neglect in man, Part II*, Funded by Medical Research Service of Veterans Administration, #114304813. (K. Heilman, PI), 1981-1984.

Principal Investigator: *Hemispace: Relation to laterality of function in man*, Funded by National Institutes of Mental Health, R01-MH34752A . 1981-1985.

### **SPONSOR OF FUNDED RESEARCH AWARDS TO Junior Faculty, Post-docs, Students**

Pre-Doctoral National Research Service Award (NRSA, F31 NS7033) *Emotion Psychophysiology in Parkinson's disease*. Funded by National Institute of Neurologic Disease and Stroke, 2010-2013. Jenna Dietz, M.S. (Role: Co-Mentor with M. Bradley, Ph.D.)

University Scholar Award, *Autonomic Functioning and Apathy in Parkinson's disease*, funded by University of Florida, 2008-2009, \$2500, Awarded to Jennifer Goetz (undergrad). (Role: Primary Mentor)

K23 Clinical Training Grant (K23- NS060660) *White Matter and Cognition in Parkinson Disease*, funded by National Institutes of Neurologic Disease and Stroke, 2007-2012, \$608,783; Awarded to Catherine Price, Ph.D. (Role: Primary Mentor)

Pre-doctoral National Research and Service Award (NRSA, F31NS059142) *Apathy, Neurocognitive functioning and Parkinson's Disease*, funded by National Institutes of Neurologic Disease and Stroke, 2007-2009; Awarded to Lindsey Kirsch-Darrow, M.S. (Role: Primary Mentor)

University Scholar Award, *Social Support as a predictor of DBS surgery outcome in Parkinson's Disease*, funded by University of Florida, 2005-2006, \$2500, Awarded to Amanda Fogel, B.S., (Role: Mentor)

Pre-doctoral National Research and Service Award (NRSA, F31 NS53403), *Parkinson's Disease, Psychophysiology, and the Amygdala*, funded by National Institutes of Neurologic Disease and Stroke, 2005-2007, \$85,000 Awarded to Kim Miller, M.S., (Role: Primary Mentor)

Minority Supplement to *Masked Faces in Parkinson's Disease*, funded by National Institutes of Neurologic Disease and Stroke, 2005-2007, \$98,000. Awarded to Mabel Lopez, Ph.D.(This grant was returned due to change in personal circumstance of Dr. Lopez).

Post-doctoral National Research and Service Award (NRSA, F32- AG021363), *Predictors of Post-Operative Cognitive Dysfunction in the Elderly*, funded by National Institutes of Aging, 2002-2004, \$85,000. Awarded to Catherine Price, Ph.D. (Role: Primary Mentor)

Pre-doctoral National Research and Service Award (NRSA, F31-MH63545) to Gregory Selke, Emotional Reactivity in Conduct Disorder and ADHD, funded by *National Institute of Mental Health*, 2001-2004, \$60,000, Awarded to Greg Selke, M.S.. (Role: Co-Mentor with E. Fennell, Ph.D.)

University Scholar Award, *Dopamine and working memory in Parkinson's Disease*, funded by University of Florida, 2003-2004, \$2500, Awarded to Harvey Montijo (undergrad); (Role: Primary Mentor)

University Scholar Award, Expressivity in Parkinson's disease, funded by *University of Florida*, 2001-2002, \$2500, Awarded to Wendelyn Bosch (undergrad). (Role: Primary Mentor)

University Scholar Award, *Digitizing the Face: Hemiface asymmetries and Gender*"; funded by University of Florida, 1999-2000, \$2500, Awarded to Ashish Desai (undergrad); . (Role: Primary Mentor)

Psi Chi Research Award to Jennifer Medina, *Retrieval of emotional memories in temporal lobe epilepsy*. 1<sup>st</sup> place winner (national level), 1999, \$1000 (Role: Mentor)

Psi Chi Research Award to Christopher Delisle, MRI volumetric analysis of the amygdala and hippocampus involving verbal memory in Parkinson's disease. 2<sup>nd</sup> place winner (national level), 1998, \$500. (Role: Mentor)

Graduate Student Research Award to Charles Richardson, *Impact of Right Hemisphere Damage on Voluntary and Spontaneous Expression of Facial Affect*, funded by University of Florida, 1990-1991, \$12,000. (Role: Mentor)

### **Submitted and/or Under Review**

*Re-Vitalize: Improving Memory in MCI- Motion and emotion*. NIH/NIMH R21 MH103591  
Submitted 6/15/2013. MPI: Dawn Bowers & Michael Marsiske.  
Role: MPI

## **PUBLICATIONS**

### **Books**

Harrower, M. and Bowers, D. (1987) The Inside Story: Reflections from the Basic Rorschach Types. Erlbaum: New York.

Doty, L., Heilman, K., Stewart, J., Bowers, D., Gonzalez-Rothi, L. (1995) Helping people with

Progressive Memory Disorders: A Guide for You and Your Family. University of Florida Memory Disorder Clinic, University of Florida, Gainesville, FL.

Doty, L., Heilman, K., Stewart, J., Bowers, D., Gonzalez-Rothi, L. (2003) Helping people with Progressive Memory Disorders: A Guide for You and Your Family (edition 2). University of Florida Memory Disorder Clinic, University of Florida, Gainesville, FL

## Tests

Bowers, D., Blonder, LX, and Heilman, KM (1989) The Florida Affect Battery. Center for Neuropsychological Studies, University of Florida, Gainesville, FL.

Bowers, D., Blonder, LX, and Heilman, KM (2001). The Florida Affect Battery, Manual (revised), Center for Neuropsychological Studies, University of Florida, Gainesville, FL

## Peer Reviewed Articles

Levy, C.M. and Bowers, D. (1974) Hemispheric asymmetry of reaction time in a dichotic discrimination task. *Cortex*, 10, 19-25.

Bowers, D. and Heilman, K.M. (1976) Material specific hemispheric arousal. *Neuropsychologia* 14, 123-127.

Heilman, K.M., Bowers, D., Watson, R.T., and Greer, M. (1975). A reaction time study of hypokinesia in Parkinson's disease. *Transactions of the American Neurologic Association*, 100, 1999-2001.

Heilman, K.M., Bowers, D., Watson, R.T., and Greer, M. (1976). Reaction times in Parkinson patients. *Neurology*, 33, 139-140.

Fennell, E., Bowers, D., and Satz, P. (1977). Within and crossmodal reliabilities of two laterality tasks. *Brain and Language*, 4, 63-69.

Fennell, E., Bowers, D., and Satz, P. (1977). Within and crossmodal reliabilities of two laterality tasks, among left handers. *Perceptual and Motor Skills*, 45, 451-456.

Heilman, K., Bowers, D., Rasbury, W., and Ray, R. (1977). Ear asymmetries on a selective attentional task. *Brain and Language*, 4, 390-395.

Fennell, E., Satz, P., Van den Abell, T., Bowers, D., and Thomas, R. (1978). Visuospatial competency, cerebral dominance, and handedness. *Brain and Language*, 5, 206-211.

Bowers, D., Heilman, K.M., Satz, P., and Altman, A. (1978). Simultaneous performance on verbal, nonverbal and motor tasks by right handed adults. *Cortex*, 14, 540-556.

Hines, D., Fennell, E., Bowers, D., and Satz, P. (1980). Left handers show greater test-retest variability in auditory and visual asymmetries. *Brain and Language*, 10, 208-211.

Bowers, D. and Heilman, K. (1980). Material specific hemispheric activation. *Neuropsychologia*, 18, 309-318.

Bowers, D. and Heilman, K. (1980). Pseudoneglect: Effects of hemispace on a tactile line bisection task. *Neuropsychologia*, 18, 491-496.



- DeKosky, S., Heilman, K., Valenstein, E., and Bowers, D. (1980) Recognition and discrimination of emotional faces and pictures. *Brain and Language* 9:206-214.
- Bowers, D., Heilman, K., and Van den Abell, T. (1981). Hemisphere-VHF compatibility, *Neuropsychologia*, 19, 757-765.
- Heilman, K., Bowers, D., and Watson, R.T. (1983). Performance on a hemispatial pointing task. *Neurology*, 33, 661-664.
- Heilman, K., Bowers, D., and Watson, R.T. (1984). Pseudoneglect in a patient with a partial callosal disconnection. *Brain*, 107, 519-532.
- Heilman, K., Bowers, D., Speedie, L., and Coslett, B. (1984). Comprehension of emotional and nonemotional prosody. *Neurology*, 34, 917-921.
- Bowers, D. and Heilman, K.M. (1984). Dissociation between the processing of affective and nonaffective faces: a case study. *Journal of Clinical Neuropsychology*, 6, 367-394.
- Bowers, D., Bauer, R., Coslett, B., and Heilman, K. (1985). Processing of faces by patients with unilateral hemisphere lesions. I. Dissociation between judgments of facial affect and facial identity. *Brain & Cognition*, 4, 258-272.
- Heilman, K., Bowers, D., Coslett, B., Whalen, H., and Watson, R.T. (1985). Prolonged reaction times for leftward movements in patients with right hemisphere lesions and neglect: directional hypokinesia. *Neurology*, 35, 855-860.
- Watson, R., Heilman, K., and Bowers, D. (1985). Magnetic resonance imaging (MRI, NMR) seen in a case of callosal apraxia and pseudoneglect. *Brain*, 108, 535-536.
- Heilman, K., Bowers, D., Valenstein, E., and Watson, R. (1986). The right hemisphere: neuropsychological functions. *Journal of Neurosurgery*, 64, 693-704.
- Meador, K., Watson, R., Bowers, D., and Heilman, K. (1986). Hypometria with hemispatial and limb motor neglect. *Brain*, 109, 293-306.
- Bowers, D., Coslett, B., Bauer, R., Speedie, L., and Heilman, K.M. (1987). Comprehension of emotional prosody following unilateral brain damage: Processing versus distraction defects. *Neuropsychologia*, 25,317-328.
- Meador, K.J, Hammond, E.J., Loring, D.W., Feldman, D., Bowers, D., and Heilman, K.M. (1987), Auditory P3 correlates of phonemic and semantic processing. *International Journal of Neuroscience*, 35, 175-179.
- Meador, K., Hammond, E., Loring, D., Allen, M., Bowers, D., and Heilman, K. (1987). Cognitive evoked potentials and disorders of recent memory. *Neurology*, 37, 526-529.
- Meador, K., Loring, D., Bowers, D., and Heilman, K. (1987). Remote memory and neglect syndrome. *Neurology*, 37, 522-526.
- Coslett, B., Bowers, D., and Heilman, K. (1987). Reduction in cerebral activation after right hemisphere stroke. *Neurology*, 37, 957-962.
- Valenstein, E., Bowers, D., Verfaellie, M., Heilman, K., Day, A., and Watson, R. (1987). Retrosplenial amnesia. *Brain*, 110, 1631-1646.

Bowers, D., Verfaellie, M., Valenstein, E., and Heilman, K. (1988). Impaired acquisition of temporal information in retrosplenial amnesia. *Brain and Cognition*, 8, 47-66.

Verfaellie, M., Bowers, D., and Heilman, K. (1988). Hemispheric asymmetries in mediating intention, but not selective attention. *Neuropsychologia*, 26, 521-531.

Verfaellie, M., Bowers, D., and Heilman, K. (1988). Attentional factors in the occurrence of the stimulus-response compatibility effect. *Neuropsychologia*, 26, 435-444.

Heilman, K.M., Bowers, D., and Shelton, P. (1990). Attention to near and far space: The third trichotomy. *Behavioral and Brain Sciences*, 13, 552.

Heilman, K.M., Bowers, D., Watson, R., Day, A., Valenstein, E., Hammond, E., and Duara, R. (1990). Frontal hypermetabolism and thalamic hypometabolism in a patient with abnormal orienting and retrosplenial amnesia. *Neuropsychologia*, 28, 161-170.

Coslett, B., Bowers, D., Fitzpatrick, E., Haws, B., and Heilman, K. (1990). Directional hypokinesia and hemispatial inattention in neglect. *Brain*, 113, 475-486.

Shelton, P., Bowers, D., and Heilman, K. (1990). Peripersonal and vertical neglect. *Brain*, 113, 191-205.

Speedie, L., Brake, N., Folstein, S., Bowers, D., Heilman, K. (1991). Comprehension of prosody in Huntington's disease. *Journal of Neurology, Neurosurgery, & Psychiatry*, 53, 607-610.

Martin, R., Meador, K., Loring, D., Bowers, D., and Heilman, K. (1990). The contribution of an imaginal code to verbal memory. *Cortex*, 26, 443-450.

Verfaellie, M., Bauer, R., and Bowers, D. (1991). Autonomic and behavioral evidence of implicit memory in amnesia. *Brain & Cognition*, 15, 10-25.

Cimino, C., Verfaellie, M., Bowers, D., and Heilman, K. (1991). Emotional autobiographical memory in right hemisphere damaged patients. *Brain & Cognition*, 15, 106-118.

Coslett, B., Bowers, D., Verfaellie, M., and Heilman, K. (1991). Frontal verbal amnesia: Phonologic amnesia. *Archives of Neurology*, 48, 949-955.

Blonder, L., Bowers, D., and Heilman, K. (1991). The role of the right hemisphere in emotional communication. *Brain*, 114, 1115-1127.

Bowers, D., Blonder, L., Heilman, K., and Feinberg, T. (1991). Differential impact of right and left hemisphere lesions on facial emotion versus object imagery. *Brain*, 114, 2593-2609.

Morris, M., Bowers, D., Chatterjee, A., and Heilman, K. (1992). Amnesia following a discrete lesion of the basal forebrain. *Brain*, 115, 1827-1847.

Blonder, L., Burns, A., Bowers, D., Moore, R., and Heilman, K. (1993). Right hemisphere facial expressivity during natural conversation. *Brain and Cognition*, 21, 44-56.

Chatterjee, A., Morris, M., Bowers, D., Doty, L., Williams, D.J., and Heilman, K. (1993). Cholinergic treatment of amnesia due to a basal forebrain lesion: theoretical issues. *Journal*

*Neurology, Neurosurgery, & Psychiatry, 56, 1282-1289.*

Bowers, D., Bauer, R.M., and Heilman, K. (1993). The nonverbal affect lexicon: Theoretical perspectives from neuropsychological studies of affect perception. *Neuropsychology, 7(4)*, 433-444.

Doty, L, Heilman, K.M., Bowers, D., and Gonzalez-Rothi, L. (1993). Case management of Alzheimer's disease. *Journal of Case Management, 4*, 129-135.

Shelton, P., Bowers, D., Duara, R.J., and Heilman, K.M. (1994). Apperceptive visual agnosia. *Brain & Cognition, 25*, 1-23.

Blonder, L.X., Burns, A., Bowers, D., Moore, R., and Heilman, K.M. (1995). Spontaneous gestures following right hemisphere infarct. *Neuropsychologia, 33*, 211-218.

Jacobs, D., Williams, D.J., Shuren, J., Bowers, D., and Heilman, K. (1995). Anomia in a patient with a basal forebrain lesion. *Neuropsychiatry, Neuropsychology, and Behavioral Neurology, 8*, 200-207.

Heilman, K. & Bowers, D. (1995). Reply to Warrington-Rudge comment on "Apperceptive Visual Agnosia: A case study. *Brain & Cognition, 28*, 178-179.

White, T., Bauer, R., Bowers, D., and Kessler, H. (1995). Recall of three words after five minutes: its relationship to performance on neuropsychology memory tests. *Applied Neuropsychology, 2*, 130-138.

Jacobs, D., Shuren, J., Bowers, D., and Heilman, K. (1996). Emotional perception, imagery, and production in Parkinson's disease. *Neurology, 45*, 1696-1702.

Kegl, J., Gilmore, R., Leonard, C., Bowers, D., Fennell, E., Roper, S., Trowbridge, P. Heilman, K., and Poizner, H. (1996). Lateralization and intrahemispheric localization studies of a familially left-handed deaf, epileptic signer of American sign language. *Brain and Cognition, 32*, 335-338.

Jacobs, D., Shuren, J., Gold, M., Adair, J.C., Bowers, D., Williamson, D.G., Heilman, K.M. (1997). Physostigmine pharmacotherapy for anomia. *Neurocase, 2*, 83-91.

Ochipa, C., Rapsack, S., Maher, L., Gonzalez-Rothi, L., Bowers, D., and Heilman, K. (1997). Selective deficit of praxis imagery in ideomotor apraxia. *Neurology, 49*, 474-488.

Young, M., Triggs, W., Bowers, D., and Greer, M. (1997). Stereotactic pallidotomy lengthens the transcranial magnetic cortical stimulation silent period in Parkinson's disease. *Neurology, 49*, 1278-1283.

Delisle, C., Eckert, M., Lucas, M., and Bowers, D. (1999). MRI volumetric analysis of the amygdala and hippocampus in Parkinson's disease. *The Psi Chi Journal of Undergraduate Research, 3*, 44-46.

Triggs, W.J., McCoy, K., Greer, R., Rossi, F., Bowers, D., Kortenkamp, S., Nadeau, S., Heilman, K., and Goodman, W.K. (1999). Effects of transcranial magnetic stimulation on depressed mood, cognition, and corticomotor thresholds. *Biological Psychiatry, 45*, 1440-1446.

Slomine, B., Bowers, D., and Heilman, K. (2000). Dissociation between autonomic responding

and verbal reports in right and left hemisphere brain damage during anticipatory anxiety. *J. Neuropsychiatry, Neuropsychology, & Behavioral Neurology*, 12, 143-148.

Richardson, C., Bowers, D., Bauer, R., Heilman, K.,M., and Leonard, C.M. (2000). Digitizing the moving face during dynamic expressions of emotion. *Neuropsychologia*, 38, 1026-1037.

Crucian, G., Barrett, A., Schwarz, R., Bowers, D., Triggs, W., Friedman, W., and Heilman, K. (2000). Cognitive and vestibulo-proprioceptive components of spatial ability in Parkinson's disease. *Neuropsychologia*, 38, 757-767.

Gokcay, D., Bowers, D., Richardson, C., and Desai, A. (2000) Use of local entropy changes as a measure for identification of facial expressions. *Journal IEEE: Proceedings of ICASSP International Conference on Acoustics, Speech, and Signal Processing*,

Crucian, G., Huan, L., Barrett, A., Schwartz, R., Cibula, J., Anderson, J., Triggs, W., Bowers, D., Friedman, W., Greer, M., and Heilman, K. (2001). Emotional conversations in Parkinson's disease. *Neurology*, 56, 159-165.

Crucian, G., Hughes, J., Barrett, A., Keillor, J., Williamson, D.J., Bauer, R., Bowers, D., and Heilman, K. (2001). Emotional and physiological responses to false feedback. *Cortex*, 36, 623-47.

McDonald, C., Crosson, B., Valenstein, E., and Bowers, D. (2001). Verbal encoding deficits in a patient with retrosplenial amnesia. *Neurocase*, 7, 407-17.

Nadeau, S., McCoy, K, Crucian, G, Greer, R, Rossi, F, Bowers, D., Goodman, W, Heilman, K, and Triggs, W. (2002) Cerebral blood flow changes in depressed patients after treatment with repetitive transcranial magnetic stimulation: evidence of individual variability. *Neuropsychiatry, Neuropsychology and Behavioral Neurology*, 15, 159-175.

Crucian, G., Barrett, A., Burks, D., Riestra, A., Roth, H., Schwartz, Triggs, W., Bowers, D., Friedman, W., Greer, M., and Heilman, K. (2003). Mental object rotation in Parkinson's disease. *Journal of the International Neuropsychology Society*, 9, 1078-1087.

Pedraza, O. Bowers, D., and Gilmore, R. (2004). Meta-analysis of MRI- based volumetric asymmetry of the hippocampus and amygdala in >1500 normal adults. *Journal of International Neuropsychology Society*, 10, 664-78.

Okun, M., Bowers, D., Springer, U., Malone, D., Rezai, A., Buttin, B., Heilman, K., Greenberg, B., Rasmussen, S., Shapira, A., Foote, K., Goodman, W. (2004) What's in a smile? Stimulation induced smiling and affective response. *Neurocase*, 10, 271-279.

Leritz, B., Loftis, C., Crucian, G., Friedman, W. and Bowers, D. (2004). Self awareness deficits in Parkinson's disease. *The Clinical Neuropsychologist*, 18, 352-361.

Montijo, J., Bowers, D. (2004). Measuring working memory dysfunction in subjects with Parkinson's Disease using an N-back paradigm. *Journal of Undergraduate Research*, Volume 6, Issue 4.

Fernandez H, Crucian, G., Okun, M., Price, C., Bowers, D. (2005). Mild cognitive impairments in Parkinson's disease: the challenge and the promise. *Neuropsychiatric Disease and Treatment*, 1(1), 37-50.

Pedraza, O., Lucas, J., Smith, G., Willis, F., Graff-Radford, N., Petersen, R., Bowers, D., Ivnik, R. (2005). Mayo's Older African American Normative Studies: Confirmatory factor analysis of a core battery. *Journal of International Neuropsychology Society*, 11(2), 184-191.

Triggs, W., Ghacibeh, G., Springer, U., and Bowers, D. (2005). Lateralized asymmetry of the facial motor response. *Neurology*, 65, 541-544.

Rodriguez, R., Miller, K., Bowers, D., Crucian, G., Wynt, D., Fernandez, H., Foote, K., & Okun, M. (2005). Mood and cognitive changes with deep brain stimulation: what we know and where we should go. *Minerva Medica*, 96, 125-44.

Shapira, N., Okun, M., Wint, D., Foote, K., Byars, K., Bowers, D., Springer, U., Lang, P., Greenberg, B., Haber, S., Goodman, W. (2006). De Novo Panic Attacks Induced by Deep-Brain Stimulation. *Journal of Neurology, Neuropsychiatry, and Neurosurgery*, 77(3), 410-412.

Willard, K., Licht, B., Gilmore, R., Licht, M., Sackellares, J.C., Eisenschenck, S., Bowers, D., Hyson, L., Kirsch, M. (2006). Affect in epilepsy patients undergoing video-EEG monitoring: retrospective versus momentary assessment and temporal relationship to seizures. *Epilepsy and Behavior*, 8 (3), 625-634.

Kirsch-Darrow, L., Fernandez, H., Okun, M., Bowers, D. (2006). Dissociating apathy and depression in Parkinson's disease. *Neurology*. 67(1), 20-27.

Springer, U., Bowers, Shapira, W., Goodman, W., Foote, K., Okun, M. (2006). Long-term habituation of the smile response with Deep Brain Stimulation. *Neurocase*, 12(3), 191-196.

Bowers, D., Miller, K., Bosch, W., Gokcay, D., Springer, U., & Okun, M.S. (2006). Faces of emotion in Parkinson's disease: Digitizing the moving face during voluntary expressions. *Journal of International Neuropsychological Society*. 12, 1276-1273.

Bowers, D., Miller, K., Mikos, A., Kirsch-Darrow, L., Springer, S., Fernandez, H., Foote, K., Okun, M.S. (2006). Startling facts about emotion in Parkinson disease: Blunted reactivity to aversive stimuli. *Brain*, 129, 3345-3365.

Williams, L., Seignourel, P., Crucian, G., Okun, M., Rodriguez, R., FM Skidmore, PS Foster, CE Jacobson IV, J Romrell, Bowers, and Fernandez, H. (2006) Laterality, location, type and severity of motor dysfunction may predict cognitive dysfunction in Parkinson's disease. *Movement Disorders*, 22 (1), 141-144

Okun, M., Mann, G., Foote, K., Shapira, A., Bowers, D., Springer, U., Knight, W., Martin, P., & Goodman, W. (2007). Deep brain stimulation in the internal capsule and nucleus accumbens region: responses observed during active and sham programming. *Journal of Neurology, Neurosurgery, and Psychiatry*, 78, 310-314

Okun, M.S, Rodriguez, R., Mikos, A., Miller, K., Kellison, I., Kirsch-Darrow, L., Wint, D., Springer, U., Fernandez, H., Foote, K., Crucian, G., Bowers, D. (2007). Deep brain stimulation and the role of neuropsychology. *The Clinical Neuropsychologist*. 21, 162-189.

Miller, K., Okun, M.S., Fernandez, H., Jacobson, C., & Bowers, D. (2007). Comparing depression symptoms in movement disorders: Parkinson disease, Essential Tremor, and Dystonia. *Movement Disorders*. 22(5), 666-72.

Seignourel, P.J., Miller, K., Kellison, I., Rodriguez, R., Fernandez, H., Bauer, R.M., Bowers, D.,

Okun, M.S. (2007). Abnormal affective startle modulation in psychogenic movement disorder. *Movement Disorders*, 22(9), 1265-1271.

Springer, U.S., Rosas, A., McGettrick, J., & Bowers, D. (2007). Differences in startle reactivity during the perception of angry and fearful faces. *Emotion*, 7 (3), 516-525.

Kirsch, L., Mikos, A., & Bowers, D. (2008). Does Deep Brain Stimulation Induce Apathy in Parkinson's disease? A Review of Initial Studies and Recommendations for Future Research. *Frontiers in Bioscience*, 13: 5316-22.

Howe, L., Kellison, I., Okun, M.S., Fernandez, H.H., & Bowers, D. (2008). Grand Rounds Neuropsychological profile of a Filipino gentleman with X-Linked dystonia-Parkinsonism: A case report of Lubag Disease. *The Clinical Neuropsychologist*, Mar 12: 1-18,.

Cooper CA, Mikos AE, Wood MF, Kirsch L, Jacobson CE, Okun MS, Rodriguez RL, Bowers D, Fernandez HH (2008) Does laterality of motor impairment tell us something about cognition in Parkinson disease? *Parkinsonism and Related Disorders*. Sept 13, epub ahead of print

Zahodne, L., Okun, M.S., Foote, K., Fernandez, H., Kirsch-Darrow, L., & Bowers, D. (2009). Cognitive declines one year after unilateral deep brain stimulation surgery in Parkinson's disease: a Controlled study using reliable change. *The Clinical Neuropsychologist* 23 (3), 385-405.

Siddiqui, M.S., Fernandez, H.H., Garvan, C.W., Garvan CW, Kirsch-Darrow L, Bowers D, Rodriguez RL, Jacobson CE 4th, Rosado C, Vaidyanathan S, Foote KD, Okun MS. (2009) Inappropriate crying and laughing in Parkinson disease and movement disorders. *World J Biol Psychiatry*. 10 (3), 234-240.

Zahodne, L., Young, S., Kirsch-Darrow, L., Nisenzon, A., Fernandez, H.H., Okun, M.S., & Bowers, D. (2009) Examination of the Lille Apathy Rating Scale (LARS) in Parkinson disease. *Movement Disorders*. 24 (5), 677-683.

Mikos, A., Springer, U.S., Nisenzon, A., Kellison, I., Fernandez, H.H., Okun, M.S., & Bowers, D. (2009). Awareness of expressivity deficits in non-demented Parkinson disease: *The Clinical Neuropsychologist*, 23(5), 805-817.

Kirsch-Darrow, L., Zahodne, L. B., Hass, C., Mikos, A., Okun M.S., Fernandez. H.H. & Bowers. D. (2009). How cautious should we be when assessing apathy with the Unified Parkinson's Rating Scale? *Movement Disorders*, 24 (5), 684-688

Okun, M.S., Fernandez, H.H., Wu, S., Kirsch-Darrow, L., Bowers, D., Bova, F., Suelter, M., Jacobson, C., Wang, X., Gordon, C., Romrell, J., Martin, P., Ward, H., Rodriguez, R., Foote, K. (2009). Cognition and Mood In Parkinson Disease STN versus GPi DBS: The COMPARE Trial. *Annals of Neurology*, 65(5), 586-595.

Zahodne, L., Okun, M.S., Foote, K.D., Fernandez, H.H., Rodriguez, R., Kirsch-Darrow, L., Wu, S., Jacobson, C., Rosado, C., Bowers, D. (2009) Greater improvements across quality of life domains following unilateral deep brain stimulation surgery in the GPi as compared to the STN: Results from a randomized, controlled trial. *J. of Neurology*, 256(8), 1321-1329.

---

Fernandez, H.H., See, R.H., Gary, M.F., Bowers, D., Rodriguez, R., Jacobson, C., Okun, M.S. (2009). Depressive symptoms in Parkinson Disease correlate with impaired global and specific global cognitive performance. *Journal of Geriatric Psychiatry and Neurology*, 22(4), 223-227.

Miller, K.M., Okun, M.S., Marsiske, M., Fennell, E.F., & Bowers, D. (2009). Startle reflex hyporeactivity in Parkinson's disease: an emotion specific or an arousal modulated deficit? *Neuropsychologia*, 47 (8-9), 1917-27.

Mikos, A., Zahodne, L., Okun, M.S., Foote, K., Bowers, D. (2009). Cognitive Declines after Unilateral Deep Brain Stimulation Surgery in Parkinson's Disease: A Controlled Study Using Reliable Change, Part II. *The Clinical Neuropsychologist*. 26, 1-11.

Miller, K.M., Price, C.C., Okun M.S., Montijo, H., & Bowers, D. (2009). Is the n-back task a clinically useful measure for assessing working memory in Parkinson's disease? *Archives of Clinical Neuropsychology*, 24 (7), 145-53.

Mikos, A., Pavon, J., Bowers, D., Foote, K., Resnick, A., Fernandez, H., Thomas, P., Garvan, C., Roy, A., Okun, M. (2010). Factors Related to Extended Hospital Stays Following Deep Brain Stimulation for Parkinson Disease. *Parkinsonism & Related Disorders*, 16, 324-328.

Graff-Radford, J., Foote, K.D., Mikos, A., Bowers, D., Fernandez, H.H., Rosado, C., Rodriguez, R.L., Malaty, I. Haq, I.U., Jacobson, C., Okun, M.S. (2010) Mood and motor effects of thalamic deep brain stimulation surgery for Essential Tremor. *European Journal of Neurology*, 17, 1040-1046.

Price, C. C., Wood, M. F., Towler, S., Ward, J., Montijo, H., Kellison, I., Leonard, C., Bowers, D., Monk, T., Newcomer, J., C., Schmalfluss, I. (2010). Reliability and validity considerations for three entorhinal volumetric measurement techniques. *Journal of the International Neuropsychological Society*, 16 (5), 846-55.

Triggs, W., Ricciuti, N., Ward, H., Cheng, J., Bowers, D., Goodman, W., Kluger, B., Nadeau, S. (2010). Right and left dorsolateral prefrontal rTMS treatment of refractory depression: A randomized, sham-controlled clinical trial. *Psychiatry Research*. 178, 467-74.

Burdick, A., Okun, M.S., Haq, I.U., Ward, H.E., Bova, F., Jacobson, C.E., Bowers, D., Zeilman, P, Foote, K.D. (2010) Prevalence of Twiddler's syndrome as a cause of deep brain stimulation hardware failure. *Stereotactic Funct Neurosurg*, 88, 353-359.

Haq, I., Foote, K.D., Wu, S., Goodman, W.G., Sudhyadhom, A., Ricciuti, N., Goodman, W., Siddiqui, M., Bowers, D., Jacobson, C., Ward, H., Okun, M.S. (2011), Smile and laughter induction and intraoperative predictors of response to deep brain stimulation for obsessive compulsive disorder. *Neuroimage*. 54S1, S247-S255.

Mikos, A., Bowers, D., Noecker, A., McIntyre, C, Won, M., Chaturvedi, A., Foote, K.D., Okun, M.S. (2011) Patient-Specific analysis of the relationship between the volume of tissue activated during DBS and verbal fluency. *Neuroimage*. 54S1, S238-S246.

Nisenzon, A., Robinson, M. E., Bowers, D., Banou, E., Malaty, I., & Okun, M.S. (2011) Measurement of patient-centered outcomes in Parkinson disease: What do patients really want from their treatment? *Parkinsonism and Related Disorders*. 17(2):89-94.[ Epub ahead of print Oct 15 2010] PMID:20952243

Kemmotsu, N. Price, C., Genko, O., Foote, K., Okun, M.S., Howe, L., Bowers, D. (2011). Pre

and post-GPI DBS neuropsychological profiles in a case of x-linked dystonia parkinsonism. *The Clinical Neuropsychologist*. 25(1), 141-159 . PMID:21253963

Okun, M.S., Wu, S., Foote, K.D., Bowers, D., Gogna, S., Price, C., Malaty, I., Rodriguez, R., Jacobson, C.E., Ward, H. (2011) Do stable patients with a pre-morbid depression history have a worse outcome following DBS for Parkinson's Disease. *Neurosurgery*. 69(2), 357-60 [March 15 epub ahead of print] . PMID:21415789

Morishita, T., Foote, K., Farge, K., Jacobson, C., Fernandez, H., Rodriguez, R., Malaty, I., Bowers, D., Hass, C., Katayama, Y., Yamamota, T., Okun, M.S. (2011). DBS candidates who fall short on a levodopa challenge test: Alternative and important indications. *The Neurologist*, 17 (5), 263-268. PMID:21881468

Zahodne, L., Bowers, D., Price, C.E., Bauer, R.M., Nisenzon, A., Foote, K.D., Okun, M.S. (2011). The Case for testing memory with both stories and word lists prior to DBS surgery for Parkinson's Disease. *The Clinical Neuropsychologist*. 25 (3), 348-358.

Burdick, A., Foote, KD, Wu, S., Bowers, D., Zeilman, P., Jacobson, CE, Ward, HE, Okun, MS (2011). Do patients get angrier following STN GPI and thalamic deep brain stimulation. *Neuroimage*, 54S1: S227-S232. PMID:20932923

Price, C.C., Cunningham, H., Coronado, N., Freedland, A., Cosentino, S., Penney, D., Pensi, A., Bowers, D., Okun, M.S., Libon, D. (2011). Clock drawing in the Montreal Cognitive Assessment (CoCA): Recommendations for dementia assessment. *Dementia and Geriatric Cognitive Disorders*, 31 (3), 179-187.

Kirsch-Darrow, L., Zahodne, L.B., Marsiske, M., Okun M.S., Foote, K.D. & Bowers. D. (2011) The trajectory of apathy after deep brain stimulation: From pre-surgery to 6 months post-surgery in Parkinson's disease. *Parkinsonism and Related Disorders*, 17(3), 182-3 [epub 2011 Jan 20]. PMID: 21256069

Zahodne, L., Sastui, F., Bowers, D., Ong, T., Jacobson, C., Okun, M.S., Rodriguez, R., Malaty, I., Foote, K., Fernandez, H.H. (2011) Binge eating in Parkinson Disease: Prevalence, correlates, and the contribution of Deep Brain Stimulation. *Journal Neuropsychiatry and Clinical Neuroscience*. 23(1):56-62. PMID:21304139

Dietz, J., Bradley, M., Okun, M.S., Bowers, D. (2011). Emotion and ocular responses in Parkinson's disease . *Neuropsychologia*, 49, 3247-53. PMID:21839756

Kirsch-Darrow, L, Marsiske, M, Okun, M.S., Bauer, R.M., Bowers, D. (2011) Apathy and Depression: Separate Factors in Parkinson Disease. *Journal of International Neuropsychological Society*, 17, 1-9. PMID:22040900

Limotai, N., Oyama, G., Go, C., Bernal, C., Ong, T., Moum, S., Bhidayasir, R., Foote, F., Bowers, D., Ward, H., Okun, M.S. (2012). Addiction-like manifestations and Parkinson's disease: A large single Center Nine Year Experience. *International J. Neuroscience*, 122, 145-153. PMID 22023411t.

Zahodne, L, Marsiske, M., Okun, M.S., Rodriguez, R., Malaty, I, Bowers, D. (2012) Mood and motor symptoms in Parkinson's Disease: a Multivariate latent growth curve modeling. *Neuropsychology*, 26, 71-80. PMID: 22142359

Naugle, K., Hass, C.J., , Bowers, D., Janelle, C. (2012). Emotional state affects gait initiation in



individuals with Parkinson disease. *Cognitive, Affective, and Behavioral Neuroscience*. 12, 207-219. PMID: 22194236

Oyama, G, Rodriguez, R., Jones, J., Swartz, C., Merrit, S., Runger, R., Hubmann, M., Delgado, A., Simon, E., Doniger, G., Bowers, D., Foote, K., Okun, M.S. (2012). Selection of DBS candidates in private neurology practices: Referral may be simpler than a computerized triage system. *Neuromodulation*, Feb 29 [epub ahead of print] 15(3):246-50; discussion 250. PMID: 22376158

Zahodne, L., Bernal-Pacheco, O., Bowers, D., Ward, H., Oyama, G., Limotai, N., Velez-Lago, F, Rodriguez, R., Malaty, I, McFarland, N., Okun, M.S. (2012) Do selective serotonin re-uptake inhibitors and other Parkinson's Disease medicines contribute to apathy in Parkinson's disease? *J. Neuropsychiatry and Clinical Neuroscience*. 24(3):326-30

Ferencz, B., Scholtissen, B., Bogorodskaya, M., Okun, M.S., Bowers, D. (2012) Toys and Gadgets: Construct validity of apathy in Parkinson Disease. *J. Neuropsychiatry and Clinical Neuroscience*. Sep 1;24(4):463-71. doi: 10.1176/appi.neuropsych.11080195.

Kay, D., Kirsch-Darrow, L., Zahodne, L. Bowers, D. (2012). Dimensions of apathy in Parkinson's disease: Factor analysis of the Apathy Scale. *Journal of Parkinson's Disease*. 2 (2), 161-166.

Kluger, B., Parra, V., Jacobson, CE, Garvan, C., Rodriguez, r., Fernandez, H., Fogel, A., Skoblar, B., Bowers, D., Okun, M.S. (2012). Prevalence of fatigue following deep brain stimulation in Parkinson's disease and association with quality of life. *Parkinson's Disease*. 2012:769506; Epub 2012 May 13.PMID:22666631

Roberson, E.D., DeFazio, A., Barnes, C.A., Alexander, G.E., Bizon, J.L., Bowers, D., Foster, T.C., Glisky, E.L., Levin, B.e., Ryan, L., Wrights, C.B., Geldmacher, D.S. (2012). Challenges and opportunities for characterizing cognitive aging across species. *Frontiers in Aging Neuroscience*. 4:6. doi: 10.3389/fnagi.2012.00006.

Alexander, G., Ryan L., Bowers, D, Foster, T., Bizon, T., Geldmacher D.S., Glisky, E. Charactering cognitive aging in humans with links to animal models. (2012) *Frontiers in Aging Neuroscience*. 4, 21. doi: 10.3389/fnagi.2012.00021

Zahodne, L., Marsiske, M., Okun, M.S., and Bowers, D. (2012). Components of depression in Parkinson disease. *J. Geriatric Psychiatry & Neurology*. Sept 25, 131-7 ] PMID:22859701

Jones, J., Malaty, I., Price CC, Okun, MS., Bowers, D. (2012) Health comorbidities and cognition in 1948 patients with idiopathic Parkinson disease. *Parkinsonism and Related Disorders*. 18 (10), 1073-1078 PMID: 22776043

Dietz, J., Noecker, A., McIntyre, C.C., Bowers, D., Foote, K., Okun, M.S. (2013). Stimulation region within the GPI does not affect verbal fluency: Results from field modeling. *Brain Stimulation*. 6, 248-53. [Epub 2012 June 16]

Okun, MS, Foote, K.D., Wu, S.S., Ward, H.E., Bowers, D., Rodriguez, R.L., Malaty, I., Goodman, W.K., Gilbert, D.M., Walker, H.C., Mink, J.W., Merritt, S., Morishita, T., Sanchez, J.C. (2013). A Trial of Scheduled Deep Brain Stimulation for Tourette Syndrome: Moving Away From Continuous DBS Paradigms. *JAMA Neurology*. 70, 85-94

Velez-Lago, F.M., Hardwick, A., Oyama, G., Thompson, A., Sporrer, J., Zeilman, P., Foote, K., Bowers, D., Ward, H., Sanchez-Ramos, Okun, M. (2013). Differential and better response to chorea compared to dystonia in Huntington's Disease DBS. *Stereotactive Funct Neuroimaging*, 91, 129-133. [epub 2013 Jan 22].

Dietz, J., Jones, J., Bradley, M., Okun, M.S., Perlstein, W., Bowers, D. (2013). The late positive potential, emotion, and apathy in Parkinson's disease. *Neuropsychologia*, 51, 960-6.

Zahodne, L.B., Marsiske, M.M., Bowers, D. (2013). A latent class analysis of psychological disturbance in Parkinson disease. *International Journal of Geriatric Psychiatry*. Oct;28(10):1054-60. doi: 10.1002 PMID:23307695

Jordan, L., Zahodne, L., Okun, M.S., Bowers, D. (2013). Hedonic and behavioral deficits associated with apathy in Parkinson's disease. *Movement Disorders*, 28(9):1301-4 [epub 2013 May]

Gullett, J., Price, C., Nguyen, P.; Okun, M., Bauer, R.; Bowers, D. (2013). Reliability of three Benton Judgment of Line Orientation Short Forms in idiopathic Parkinson's Disease. *The Clinical Neuropsychologist*. 27(7):1167-78

Libon, D., Swenson, R., Ashendorf, L., Bauer, R., Bowers, D. & Milberg, W. (2013). Edith Kaplan and the Boston Process Approach. *The Clinical Neuropsychologist*, 27(8), 1223-33.

Price, C., Tanner, J., Schmalfuss, I., Gearen, P., Dickey, D., Heilman, K.M., McDonough, D.L., Libon, D., Leonard, C., Bowers, D., Monk, T. (2014). Presurgery neuroanatomical biomarkers for postoperative cognitive decline after total knee arthroscopy in older adults. *Anesthesiology*, 120 (3), 601-613. PMID: 24534857

Jones, J., Jacobson, C., Murphy, M.C., Price, C.E., Okun, M.S., Bowers, D. (2014). Influence of hypertension on neurocognitive domains in non-demented Parkinson's disease patients. *Parkinson's Disease, 2014, Article ID 507529*, [http://dx.doi.org/10.1144/2014/507529]. PMID: 87937

Hassan, A., Vallabhajosula, S., Zahodne, L., Bowers, D. Okun, M.S., Fernandez, H.H., Hass, C. (2014). Correlates of apathy and depression with postural instability in Parkinson's disease. *J. Neurological Science*, Jan 2. Pii: S0022-510 (13)03111-0.

Nadeau, S., Bowers, D., Jones, T., Wu, S., Triggs, W.J., Heilman, K.M. (2014). Cognitive effects of treatment of depression with repetitive transcranial magnetic stimulation. *Cognitive & Behavioral Neurology*, 2014 Jun;27(2):77-87.

Morishita, T., Okun, M.S., Jones, J., Foote, K.D., Bowers, D. (2014). Cognitive declines after DBS are likely attributable to more than caudate penetration and lead location. *Brain*, May;137(Pt 5):e274

Jones, J., Butterfield, L., Song, W., Lafo, J., Mangal, P., Okun, M.S., & Bowers, D. (2014, in press). Anxiety and depression are better correlates than apathy of Parkinson's disease quality of life. *J. of Clinical Neuroscience and Psychiatry*. 2014 Aug 27. doi: 10.1176/[Epub ahead of print]PMID:25162776

Jones, J.D., Hass, C., Mangal, P., Lafo, J., Okun, M.S., Bowers, D. (2014). The Cognition and Emotional Well-Being Indices of the Parkinson's Disease Questionnaire-39: What do they really measure? *Parkinsonism and Related Disorders*. Vol 20 (11), 1236-1241. DOI: 10.1016, PMID: PMID:25260967

Schwab, N. A., Tanner, J. J., Nguyen, P., Schmalfluss, I.M., Okun, M., Bowers, D., **Price, C.C.** (in press, 2014). Proof of principle: Transformation approach alters caudate nucleus volume and structure-function associations. *Brain Imaging and Behavior*.

Jones, J., Marsiske, M., Okun, M.S., Bowers, D. (2014, in press). Latent growth curve analysis reveals that Parkinson disease quality of life is driven by depression. *Neuropsychology*. 2014 Nov 3. [Epub ahead of print] PMID:25365564

Kaufman, D., Perlstein, W.M., Okun, M.S., *van Pattern, R.*, Okun, M.S., Bowers, D. (2014, submitted). Novelty processing and apathy in Parkinson's disease. (*Cortex*)

Bowers, D., Sapienza, C., Springer, U.S., Fernandez, H.H., Okun, M.S. (submitted, 2014). *Unmasking the face of Parkinson's patients: Results from a randomized double-blind sham controlled behavioral intervention.*

Okun, M.S., Wu, S., Fayad, S., Ward, H., Bowers, D., Rosado, C., Bowen, L., Jacobson, C., Butson, C., Foote, K. (2014, in press). Acute and chronic mood and apathy outcomes from a randomized study of unilateral STN and GPi DBS (PLOS 1)

Lemonda, B., Giles, K., Peck, C., Bowers, D. (2015, submitted). Case Report of a patient with Susac Syndrome, a rare autoimmune disorder. (TCN)

Rossi, P.J, Shute, J., Gunduz, A., Bowers, D., Ward, H., Foote, K., Okun, M.S., (2014 submitted). Fewer than 2 hours of daily thalamic stimulation reduces tics in tourette syndrome: two-year follow-up of personalized, scheduled deep brain stimulation. (JAMA Neurology)

Masa-aki, H., Hokuto, M. Topiol, D., Bowers, D., Ward, H., Warren, L., DeFranco, M., Troche, M., Kulkarni, S., Foote, K., Okun, M.S. (2014, submitted). Interdisciplinary deep brain stimulation screening and the relationship to unintended hospitalizations and quality of life

Price, C.C., Tanner, J.J., Nguyen, P., Schwab, N., Mitchell, S., Slonena, E., Brumback, B., Okun, M.S., Mareci, T., Bowers, D. (2015 submitted). Grey and white matter predictors of cognitive frontal-striatal deficits in Parkinson's disease.

Renfroe, J.B., Bradley, M.M., Okun, M.S., Bowers, D. (2015, submitted) Motivational engagement in Parkinson disease: perception and preparation for action. (Cognitive Affective and Behavioral Neuroscience)

Renfroe, J., Bradley, M., Okun, M.S., Bowers, D. (2015, submitted). Aging and emotion modulation of late positive during affective picture viewing. (Emotion)

### **Non-refereed Publications**

Bowers, D., Blonder, L.X., and Heilman, K. (1999). *The Florida Affect Battery Manual-Revised*, (pp. 1-24). Center for Neuropsychological Studies, Gainesville, FL: Department of Neurology.

Bowers, D., Blonder, L.X., and Heilman, K. (1991). *The Florida Affect Battery Manual*. (pp. 1-20). Center for Neuropsychological Studies, Gainesville, Florida: Department of Neurology.

Heilman, K., Watson, R., Bowers, D., and Valenstein, E. (1983). Dominance hemispherique droite pour l'attention. *Rev Neurol (Paris)*, 139, 15-17.

## Published Reviews

Kirsch-Darrow, L., & Bowers, D. (2010). Invited Review: Apathy may herald cognitive decline and dementia in Parkinson's disease. *Movement Disorders*

Heilman, K., Watson, R., and Bowers, D. (1982). Hemispheric asymmetries and hemispatial neglect. *The Behavioral and Brain Sciences*, 3, 305-306.

## Letter To Editor

Jones, J., Hass, C.J., Okun, M.S., Bowers, D. (2015, in press). Reply to Walton et al., The 'Cognitions' Index of the Parkinson's Disease Questionnaire-39 relates to Sleep Disturbances and Hallucinations *Parkinsonism and Related Disorders*.

## Chapters

Hackney, M., Nocera, J., Bowers, D., Altman, L., Hass, C. (2015 in press). The Chronic Exercise Cognition Interaction and Parkinson's Disease. In McMorris, T. (Ed.), *Exercise-Cognition Interaction: Neuroscience Perspectives*, New York: Elsevier Press.

Bowers, D., Jones, J., Dietz, J. (2014). Assessment of emotion, mood, and affect associated with neurologic disorders. In J. Synder, Nussbaum, Hamsher, K, and Parsons, M. (Eds). *Pocket Handbook of Neuropsychological Assessment*.

Bauer, R.M., Bowers, D. (2013). Intellectual Antecedents to the Boston Process Approach to Neuropsychological Assessment. In D. Libon (Ed.), *Boston Process Approach to Neuropsychological Assessment*. New York: Oxford University Press.

Heilman, K., Blonder, L.X., Bowers, D., Valenstein, E. (2011). Emotional disorders associated with neurologic disease. In K. Heilman and E. Valenstein (Eds.), *Clinical Neuropsychology, 4th Edition*, New York: Oxford University Press.

Reckess, G., Zahodne, Z., Fennell, E., and Bowers, D. (2009). The Role of the Psychologist in Dystonia. In Okun, MS (ed.), *The Dystonia Patient: A Guide to Practical Management*. DemosMedical, New York, pp.183-210.

Bauer, R.M., Leritz, E., & Bowers, D. (2003). Research methods in neuropsychology. In J.A. Schinka, W.F. Velicer & I.B. Weiner (Eds.), *Comprehensive Handbook of Psychology, Volume 2: Research Methods in Psychology*, pp. 189-322. New York: John Wiley & Sons.

Heilman, K.M., Blonder, L.X., Bowers, D. (2003). Emotional disorders associated with neurologic disease. In K. Heilman and E. Valenstein (Eds.), *Clinical Neuropsychology, 4th Edition*, pp. 447-476. New York: Oxford University Press.

Blonder, L.X., Heilman, K.M., Bowers, D. (2000). Emotional disorders in neurologic disease. In J. Borod (Ed.), *The Neuropsychology of Emotion*, pp 367-412. New York: Oxford University Press.

Heilman, K.M., Bowers, D. (1996). Emotional disorders associated with hemispheric dysfunction. In B.S. Fogal, R. B. Schiffer, S. M. Rao (Eds.), *Neuropsychiatry: A Comprehensive Textbook*, pp. 401-407. Baltimore: Williams and Wilkins.

Heilman, K., Bowers, D., Valenstein, E. (1993). Emotional disorders associated with neurologic disease. In K. Heilman and E. Valenstein (Eds.), *Clinical Neuropsychology, 3<sup>rd</sup> Edition*, pp. 462-498, New York: Oxford University Press.

Heilman, K.M., Bowers, D., Valenstein, E., Watson, R.T. (1993). Disorders of visual attention. In C. Kennard (Ed.), *International Practice and Research: Neurology*, pp. 389-413. London: Balliere Tindall.

Heilman, K., and Bowers, D. (1990). Neuropsychological studies of emotional changes induced by right and left hemisphere lesions. In N. Stein, B. Leventhal, & T. Trabasso (Eds.), *Psychological and Biological Approaches to Emotion*, pp. 97-113, Hillsdale, NJ: Erlbaum.

Verfaellie, M., Bowers, D., and Heilman, K.M. (1989). Attentional processes in spatial S-R compatibility. In R. Proctor & T. Reeve (Eds.) *Stimulus-Response Compatibility: Advances in Psychology*, pp. 261-275, New York: North Holland.

Heilman, K., Bowers, D., Valenstein, E., and Watson, R. (1987). Hemispace and hemispatial neglect. In M. Jeannerod (Ed.), *Neurophysiological and Neuropsychological Aspects of Spatial Neglect*, pp. 115-150, Amsterdam: North Holland Publishers.

Heilman, K., Bowers, D., and Valenstein, E. (1985). Emotional disorders associated with neurological disease. In K. Heilman and E. Valenstein (Eds.), *Clinical Neuropsychology, 2nd Edition*, pp. 377-402, New York: Oxford University Press.

Heilman, K., Watson, R., and Bowers, D. (1983). Affective disorders associated with hemispheric disease. In K. Heilman and P. Satz (Eds.), *Neuropsychology of Human Emotion*, pp. 173-185. New York: Guilford Press.

Heilman, K.M. and Bowers, D. (1982). Affective disorders induced by hemispheric dysfunction. In H. Kirshner and F. Freeman (Eds.), *The Neurology of Aphasia*, pp. 173-185, B.U. Holland: Swets and Zeitlinger.

## REFEREED PRESENTATIONS/ABSTRACTS

Bowers, D. and Heilman, K.M. (1975, February). *Hemispheric asymmetries of arousal*. Paper presented at annual meeting of International Neuropsychology Society. Tampa, FL.

Heilman, K.M., Bowers, D., and Rasbury, W. (1975, November). *The role of complex maskers in the production of attentional asymmetries*. Poster presented at annual meeting of Society for Neuroscience. (Abstract – Society for Neuroscience Abstracts, 1, 18, 1975).

Heilman, K.M., Bowers, D., Watson, R.T., and Greer, M. (1975, September). *Reaction time studies in Parkinson's Disease*. Poster presented at annual meeting of American Neurological Association. September 1975. New York, NY. (Abstract -Transactions of the American Neurological Association, 100, 199-200).

Bowers, D., Heilman, K.M., Satz, P., and Altman, A. (1976, February). *Simultaneous performance on verbal, nonverbal, and motor tasks by right and left handers*. Paper presented at annual meeting of International Neuropsychology Society, Toronto, Canada.

Bowers, D. and Heilman, K.M. (1978, February). *Pseudoneglect in normals using a tactile line bisection task*. Paper presented at annual meeting of International Neuropsychology Society.

February 1978. Minneapolis.

Bowers, D. and Heilman, K.M. (1979, February) *Material specific hemispheric activation*. Paper presented at annual meeting of International Neuropsychology Society. New York, NY.

Bowers, D. (1980, August) Hemispatial effects on laterality tasks. Symposium on: Models and Mechanisms of Cerebral Laterality. Paper presented at annual meeting of American Psychological Association. Montreal, Canada.

Bowers, D., Van den Abell, T., and Heilman, K.M. (1980, February). *Hemisphere-Visual Half Field (VHF) compatibility*. Paper presented at annual meeting of International Neuropsychology Society. San Francisco, CA. (Abstract - International Journal Neuroscience, 12, 238)..

Bowers, D. and Heilman, K.M. (1981, February). Dissociation between the processing of affective and nonaffective faces. Paper presented at annual meeting of International Neuropsychology Society. Atlanta, GA.

Heilman, K.M., Bowers, D., Valenstein, E., and Watson, R.T. (1981, April). A nonvisual test for hemispatial neglect. Poster presented at annual meeting of American Academy of Neurology. Toronto, Canada. (Abstract - Neurology 31, 11).

Bauer, R., Bowers, D., Heilman, K.M., and Spencer, T. (1982, February). *Head versus body midline as a reference point for hemisphere*. Paper presented at annual meeting of International Neuropsychology Society. Pittsburgh, PA.

Heilman, K.M., Bowers, D., Speedie, L., and Coslett, H.B. (1983, April). *Comprehension of emotional and nonemotional prosody*. Paper presented at American Academy of Neurology. San Diego, CA.

Heilman, K.M., Bowers, D., and Watson, R.T. (1983). *Pseudoneglect in a callosally disconnected patient*. Paper presented at annual meeting of ? (Abstract - Annals of Neurology, 12, 96).

Heilman, K.M., Bowers, D., and Coslett, H.B. (1983, April). *Directional hypokinesia in neglect*. Poster presented at annual meeting of American Academy of Neurology. San Diego, CA. (Abstract - Neurology, 33, 104).

Bowers, D., Coslett, H.B., and Heilman, K.M. (1984, February). *Comprehension of emotional messages by patients with unilateral hemispheric lesions: Processing versus distraction deficits*. Paper presented at annual meeting of International Neuropsychology Society. Houston, TX.

Bowers, D., Bauer, R., Coslett, H.B., and Heilman, K.M. (1984, February) *Processing of facial affect and facial identity by patients with unilateral hemispheric lesions*. Paper presented at annual meeting of International Neuropsychology Society. Houston, TX.

Coslett, H.B., Bowers, D., and Heilman, K.M. (1984, February). *Hemispatial memory asymmetries*. Paper presented at annual meeting of International Neuropsychology Society. Houston, TX.

Coslett, H.B., Bowers, D., Verfaellie, M., and Heilman, K.M. (1984, February) *Phonologic memory impairment with "minor" Broca's aphasia*. Paper presented at annual meeting of International Neuropsychology Society. Houston, TX.

Williams, C.S., Bowers, D., and Heilman, K.M. (1984, February) Effects of hemispace on verbal and nonverbal laterality tasks. Paper presented at annual meeting of International Neuropsychology Society. Houston, TX.

Coslett, H.B., Bowers, D., and Heilman, K.M. (1984, April) *Reduction in cognitive activation following right hemisphere damage*. Poster presented at American Academy of Neurology. Boston, MA. (Abstract – Neurology, 34, 190).

Bowers, D., Verfaellie, M., Valenstein, E., and Heilman, K.M. (1985, February). *Impaired memory for temporal order in an amnesic with lesions of the left hippocampus and the left retrosplenial region*. Paper presented at the annual meeting of the International Neuropsychology Society. San Diego, CA. (Abstract: Journal of Clinical and Experimental Neuropsychology 7: 1985)

Verfaellie, M., Bowers, D., Williams, C.S., and Heilman, K.M. (1985, February) *Dissociation of attention and intention in normal subjects*. Presented at annual meeting of International Neuropsychology Society. San Diego, CA. (Abstract – Journal of Clinical and Experimental Neuropsychology 7: 1985).

Speedie, L., Folstein, S., Bowers, D., and Heilman, K.M. (1985, February). *Comprehension of prosody in Huntington's disease*. Paper presented at annual meeting of International Neuropsychology Society. San Diego, CA. (Abstract - Journal of Clinical and Experimental Neuropsychology, 7, 49).

Meador, K., Bowers, D., Watson, R.T., and Heilman, K.M. (1985, February). Hypometric apraxia with hemispatial/limb hypokinesia. Poster presented at annual meeting of International Neuropsychology Society. San Diego, CA. (Abstract - Journal of Clinical and Experimental Neuropsychology 7, 41).

Meador, K., Hammond, E., Bowers, D., and Heilman, K.M. (1985, February). *Auditory cognitive evoked potential correlates of levels of processing*. Paper presented at the International Neuropsychology Society, San Diego, CA. (Abstract – Journal of Clinical and Experimental Neuropsychology, 7, 34).

Coslett, H.B., Bowers, D., Haws, B., and Heilman, K.M. (1985, February). *An analysis of the determinants of hemispatial performance*. Poster presented at annual meeting of International Neuropsychology Society. San Diego, CA. (Abstract: Journal of Clinical and Experimental Neuropsychology 7, 34).

Meador, K.J., Hammond, E., Allen, M., Bowers, D., and Heilman, K.M. (1985, April). *Cognitive evoked potentials and recent memory disorders*. Presented at annual meeting of American Academy of Neurology, Dallas, TX. (Abstract – Neurology, 35, 129).

Verfaellie, M., Bowers, D., and Heilman, K.M. (1985, November) *The influence of attentional manipulations on stimulus-response compatibility*. Presented at Psychonomics Society. Boston, MA. (Abstract – Bulletin of the Psychonomic Society, 23, 290).

Bowers, D., Verfaellie, M., and Heilman, K.M. (1986) Paradoxical recency judgments in retrosplenial amnesia. International Neuropsychology Society. February 1986, Denver, Colorado. (Abstract: J. Clinical & Experimental Neuropsychology, 8: 1986).

Verfaellie, M., Bauer, R., and Bowers, D. (1986) Preserved activation of memory traces in an

amnesic with a lesion of the left retrosplenial-fornix region. International Neuropsychology Society. February 1986, Denver, Colorado. (Abstract: J. Clinical & Experimental Neuropsychology, 8: 1986).

Cimino, C. and Bowers, D. (1986) Hemispatial effects in two tactual-spatial line orientation tasks. International Neuropsychological Society. February 1986, Denver, Colorado. (Abstract: J. Clinical & Experimental Neuropsychology, 8: 1986).

Bauer, R.M., Rediess, S., Verfaellie, M., Walker, V., Shrier, R., Bowers, D., and Watson, R.T. (1986) Electrodermal discrimination without verbal recognition in Korsakoff and Alzheimer patients. International Neuropsychology Society. February 1986, Denver, Colorado. (Abstract: J. Clinical & Experimental Neuropsychology, 8: , 1986).

Meador, K.J., Loring, D.W., Bowers, D., and Heilman, K.M. (1986) Remote memory and neglect syndrome. American Academy of Neurology. April 1986. New Orleans, Louisiana. (Abstract - Neurology 36, Suppl. 1, p. 170, 1986).

Coslett, H.B., Bowers, D., Fitzpatrick, E., Haws, B., and Heilman, K.M. (1986) Hemispatial hypokinesia and hemisensory inattention in neglect. American Academy of Neurology. April 1986, New Orleans, Louisiana. (Abstract - Neurology 36, Suppl. 1, p. 334, 1986).

Bowers, D., Verfaellie, M., and Rapsack, S. (1987) Different forms of temporal amnesia following basal forebrain versus retrosplenial lesions in man. International Neuropsychology Society. February 1987. Washington, D.C. (Abstract: J. Clinical & Experimental Neuropsychology 9:15, 1987).

Bowers, D. and Heilman, K.M. (1987) Syndromes of facial affect processing. International Neuropsychology Meeting. February 1987. Washington, D.C. (Abstract: J. Clinical & Experimental Neuropsychology 9:58, 1987).

Bowers, D., Heilman, K.M., Rapsack, S., Verfaellie, M., and Watson, R.T. (1988) Panamnesia. International Neuropsychology Society. January 1988, New Orleans, Louisiana (Abstract: J. Clinical and Experimental Neuropsychology 10: 1988).

Cimino, C.R., Verfaellie, M., Bowers, D., and Heilman, K.M. (1988) Emotional autobiographical memory in right hemisphere damaged patients. International Neuropsychological Society. January 1988. New Orleans, Louisiana. (Abstract: J. Clinical & Experimental Neuropsychology 10: 1988).

Heilman, K.M., Bowers, D., Watson, R.T., Valenstein, E., Day, A., Hammond, E., and Duara, Ranjan (1988) Fluorodeoxyglucose positron emission tomography in a patient with retrosplenial amnesia and aberrant directed attention. American Academy of Neurology. April, Cincinnati, Ohio. (Abstract: Neurology 38: 20 [Suppl. 1], 1988).

Martin, R., Meador, K., Loring, D., Bowers, D., and Heilman, K. (1989) The contribution of an imaginal code to verbal memory. International Neuropsychology Society. February 1989. Vancouver, B.C., Canada. (Abstract: J. Clinical & Experimental Neuropsychology 11: , 1989).

Bowers, D., White, T., and Bauer, R.M. (1989) Recall of 3 words after 5 minutes: its relation to performance on complex neuropsychological memory tests. American Academy of Neurology. April 1989. Chicago, Illinois. (Abstract: Neurology 39: [Suppl. 1], 1989).

Bowers, D., Heilman, K., Duara, R., Verfaellie, M., and Valenstein, E. (1989) Semantic



encoding in a retrosplenial amnesia with thalamic hypometabolism frontal hypermetabolism. Memory Disorders Research Society. October 1989, Boston, Massachusetts.

White, T., Bauer, R., and Bowers, D. (1989) Recall of 3 words after 5 minutes: its relation to performance on neuropsychological memory tests. National Academy of Neuropsychology. November 1989. Washington, D.C.

Bowers, D., Blonder, L., Feinberg, T., and Heilman, K. (1990) Emotional versus visual object imagery: Differential impact of right versus left hemisphere lesions. International Neuropsychological Society, February 1989, Orlando, Florida. (Abstract: J. Clinical & Experimental Neuropsychology 12:84, 1990).

Maher, L., Ochipa, C., Bowers, D., Rothi, L.J., Blonder, L.X., and Heilman, K.M. (1990) Ideomotor apraxia and visual imagery. International Neuropsychological Society, February 1990. Orlando, Florida. (Abstract: J. Clinical & Experimental Neuropsychology 12:89, 1990).

Cimino, C., Bowers, D., and Heilman, K. (1990) Psychophysiological responses to laterally presented emotional stimuli. International Neuropsychological Society, February 1990, Orlando, Florida. (Abstract: J. Clinical & Experimental Neuropsychology 12:44, 1990).

Blonder, L., Bowers, D., and Heilman, K. (1990) The role of the right hemisphere in emotional communication. International Neuropsychological Society, February 1990, Orlando, Florida. (Abstract: J. Clinical & Experimental Neuropsychology 12:33, 1990).

White, T., Bauer, R., and Bowers, D. (1990) The 3 words in 5 minutes test: I. Discriminant analysis of its ability to predict impairment on neuropsychological memory tests. International Neuropsychological Society, February 1990, Orlando, Florida. (Abstract: J. Clinical & Experimental Neuropsychology 12: 59, 1990).

Doty, L., Bowers, D., and Heilman, K. (1990) Florida Mental Status Exam for Progressive Dementia Screening. Gerontological Society of America, November 1990, Boston, Massachusetts. (Abstract: The Gerontologist 30:20A [Special Issue], 1990).

Morris, M., Bradley, M., Bowers, D., Lang, P., and Heilman, K. (1991) Valence-specific hypoarousal following right temporal lobectomy. International Neuropsychology Society, February 1991, San Antonio, Texas. (Abstract: J. Clinical & Experimental Neuropsychology 13:42, 1991).

Morris, M., Heilman, K., and Bowers, D. (1991) Amnesia following a discrete basal forebrain lesion. International Neuropsychology Society, February 1991, San Antonio, Texas. (Abstract: J. Clinical & Experimental Neuropsychology 13:21, 1991).

Glantz, M., Bowers, D., Heilman, K., Morris, M., Cimino, C., and Blonder, L. (1991) Autobiographical memory: Valence specific effects in LHD and RHD patients. International Neuropsychology Society, February 1991, San Antonio, Texas. (Abstract: J. Clinical & Experimental Neuropsychology 13:68, 1991).

Ochipa, G., Rapcsak, S., Maher, L., Bowers, D., Rothi, L., and Heilman, K. (1991) Selective deficit of motor imagery in ideomotor apraxia. International Neuropsychology Society, February 1991, San Antonio, Texas. (Abstract: J. Clinical & Experimental Neuropsychology 13:54, 1991).

Blonder, L., Bowers, D. and Heilman, K. (1991) Logical inference following right hemisphere damage. International Neuropsychology Society, February 1991, San Antonio, Texas.

(Abstract: J. Clinical & Experimental Neuropsychology, 13:39, 1991).

Maher, L., Bowers, D., Rapcsak S., Ochipa, C., and Heilman, K. (1991) Visual Imagery in two cases of cortical blindness. International Neuropsychology Society, February 1991, San Antonio, Texas. (Abstract: J. Clinical & Experimental Neuropsychology 13:39, 1991).

Greve, K., Bauer, R.M., Bowers, D. (1991) Failure of implicit access to affective facial representations in right hemisphere disease. International Neuropsychology Society, February 1991, San Antonio, Texas. (Abstract: J. Clinical & Experimental Neuropsychology, 13:25, 1991).

Blonder, L., Burns, A., Bowers, D., Heilman, K. (1991) Right hemisphere facial expressivity during natural conversation. International Neuropsychology Society, February 1991, San Antonio, Texas. (Abstract: J. Clinical & Experimental Neuropsychology, 13:94, 1991).

Bauer, R., Verfaellie, M., Greve, K., Bowers, D., Rediess, S., Schramke, D. (1991) Verbal and electrodermal response to levels of processing manipulation in Korsakoff and Alzheimer's patients. International Neuropsychology Society, February 1991, San Antonio, Texas. (Abstract: J. Clinical & Experimental Neuropsychology 13:110, 1991).

Bowers, D., Heilman, K. (1992) Issues in the perception of nonverbal affect signals. Symposium on Emotion and the Brain (J.C. Borod, Organizer), International Neuropsychology Society, February 1992, San Diego CA. (Abstract: J. Clinical & Experimental Neuropsychology 14:51, 1992).

Richardson, C., Bowers, D., Eyeler, L., Heilman, K. (1992) Asymmetrical control of emotional facial expression depends on the means of elicitation. International Neuropsychology Society, February 1992, San Diego, CA. (Abstract: J. Clinical & Experimental Neuropsychology 14:95, 1992).

Morris, M., Bowers, D., Verfaellie, M., Blonder, LX, Cimino, C., Bauer, R., Heilman, K. (1992) Emotional memory in right and left hemisphere damaged patients. International Neuropsychology Society, February 1992, San Diego, CA. (Abstract: J. Clinical & Experimental Neuropsychology 14:95, 1992).

Morris, M., Bowers, D., Verfaellie, M., Blonder, LX, Cimino, C., Bauer, R., Heilman, K. (1992) Lexical denotation and connotation in right and left hemisphere damaged patients. International Neuropsychology Society, San Diego, CA. (Abstract: J. Clinical & Experimental Neuropsychology 14:105, 1992).

Bowers, D. (1992). Symposium on 'Behavioral and Neurologic Aspects of Social Communication Disorders in Children' (Organizer and chair). International Neuropsychology Society, Durham England, July 9, 1992. (Abstract:

Blonder, L.X., Burns, A., Bowers, D., Moore, R., & Heilman, K. (1992). Spontaneous gesturing following right hemisphere damage. International Neuropsychology Society, Durham, England, July 1992. (Abstract: J. Clinical & Experimental Neuropsychology,

Jacobs, D., Bowers, D., Heilman, K. (1993). Impaired facial emotional imagery in patients with Parkinson's disease. American Academy of Neurology, New York, April. (Abstract: Neurology 43: Supplement 2 A276, 1993).

Bowers D., Richardson, C., Heilman, K., & Eyeler, L. (1994) Dissociations between the perception and production of facial emotions. International Neuropsychology Society, Cincinnati,

OH, February 1994.

Richardson, C., Bowers, D., Leonard, C.M., & Heilman, K.M. (1994). Utility of digitized imaging for facial asymmetry research. International Neuropsychology Society, Cincinnati, OH, Feb. 1994.

Kegl, J., Gilmore, R., Fennell, E., Bower, D., Poizner, H., & Heilman, K. (1994). WADA testing of a deaf, left-handed ASL signer reveals right dominance for language. International Neuropsychology Society, Cincinnati, OH, February 1994.

Gilmore, R., Kegl, J., C. Leonard, D. Bowers, S. Roper, E. Fennell, H. Poizner, K. Heilman. (1994). Functional cortical mapping of a left-handed deaf signer of ASL, right dominant for spoken and signed language. Society for Cognitive Neuroscience. San Francisco, March 1994.

Bowers, D., Bauer, R., Verfaellie, M., & Valenstein, E. (1994). Retrograde amnesia following a retrosplenial lesion. Society for Neuroscience, Miami FL, November 1994. (Abstract: Society for Neuroscience Abstracts, 1994, pp. )

Eckert, M.A., Lucas, T., Bowers, D., Leonard, C., Quisling, R., Gilmore, R. (1995). Hippocampal MR volumes as a function of onset and duration in patients with left temporal lobe epilepsy. American Electroencephalographic Society, Washington, DC, September 1995.

Slomine, B., Bowers, D., Heilman, K.M., Bauer, R.M., & Bradley, M. (1995). Shock induced anticipatory anxiety: Impact of right or left hemispheric lesions in humans. Society for Neuroscience, San Diego, November 1995.

Eckert, M.A., Gautier, E., Gilmore, R., Kuldau, J., Bowers, D., Flynn, T., Quisling, R., & Leonard, M. (1995). Superior temporal gyrus in schizophrenia and epilepsy. Society for Neuroscience, San Diego, November 1995.

Briggs, R., Crosson, B., Sadek, J., Gokcay, D., Gordon, M. Kim, M., Crucian, G., Bowers, D., Nadeau, S., Anderson, J., Heilman, K. (1996). Preliminary results from fMRI studies of motor activity at 1.5T. Radiology Research Day, University of Florida, January 1996.

Bowers, D., Blonder, L.X., Slomine, B., Heilman, K. (1996). Nonverbal Affect Signals: Patterns of deficits following hemispheric strokes using the Florida Affect Battery. American Academy of Neurology, San Francisco, March 1996.

Chaskes, R., & Bowers, D. (1996). Gender differences in the hedonic perception of odors. Women's Health and Research: Applying the National Agenda. Gainesville, FL February 16, 1996.

Chaskes, R., Bowers, D. (1996). Laterality effects in the hedonic perception of odors. Cognitive Neuroscience Society, San Francisco, CA, April 1996.

Kegl, J., Gilmore, R., Leonard, C., Bowers, D. Fennell, E., Roper, S. Trowbridge, P., Poizner, H., Heilman, K. (1996). Lateralization and intrahemispheric localization studies of a familial left-handed deaf, epileptic signer of American Sign Language. TENNET VII, Toronto, August 1996.

Behrman, A., Light, K., Flynn, S., Bowers, D., Triggs, W., Friedman, W. (1996) Upmobility in Parkinson's Disease: Backward walking is the most difficult. Society for Neuroscience, November 1996, Washington, DC.

Light, K., Behrman, S., Flynn, S., Bowers, D., Friedman, W. (1996) Timing of functional

movements for individuals with Parkinson's disease. Gerontologic Society of America.

Stearns, B., Bowers, D., Eckert, M., Lucas, T., Gilmore, R., Roper, S., Leonard, C., Barta, P. (1996). Volumetric amygdala asymmetries differ from hippocampal asymmetries in temporal lobe epilepsy. American Epilepsy Society, San Francisco, CA, December 1996.

Rogish, M., Zawacki, T., Schaffer, D., Gilmore, R., Bowers, D. (1997). Crossmodal association of emotional stimuli in patients with unilateral anterior temporal lobe dysfunction. International Neuropsychology Society, Orlando, FL, February 1997.

Bowers, D. (1997). Startling Facts about Emotion: New Approaches to the Psychological study of emotion. Workshop/symposium presented at International Neuropsychology Society, Orlando, FL, February, 1997.

Doty, L., Lombardi, D., Heilman, K.M., Bowers, D., Stewart, J., Gonzalez-Rothi, L. (1997). Evaluation of Guidebook for family caregivers of patients with progressive dementia. Women's Health and Research Conference, Gainesville, FL, March 1997.

Delisle, C., Eckert, M., Lucas, M., Bowers, D., Leonard, C., Barta, P. (1997) MRI volumetric analysis of the amygdala and hippocampus involving verbal memory in Parkinson's disease. Southeast Psychological Association, Atlanta, April 1997.

Bowers, D., Crucian, G., Friedman, W.A., Triggs, W., Behrman, A., Greer, M. (1997). Memory and neuropsychological status following computerized image guided stereotactic pallidotomy in Parkinson's Disease. American Academy of Neurology, Boston, MA, April 1997.

Bowers, D., Eckert, M., Gilmore, R., Bauer, R., Roper, S., Leonard, T., Bradley, M., Lang, P., Barta, P. (1997) Startle eyeblink magnitude in humans depends on extent of right amygdala removal. Society for Neuroscience, New Orleans, October 1997.

Bowers, D. (1997) New paradigms for the study of emotional reactivity in temporal lobe epilepsy. American Epilepsy Society. Boston, MA. December 1997.

Bowers, D., Gilmore, R., Bauer, R., Rogish, M., Kortenkamp, S., Gokcay, D., Bradley, M. & Roper, S. (1998) Affect modulation of startle is disrupted by right, but not left, temporal resections involving the amygdala. (Society for Neuroscience, Los Angeles, November 1998).

Gilmore, R., Bowers, D., Bauer, R., Rogish, M., Kortenkamp, S., Gokcay, D., Bradley, M., Roper, R. (1998) Startle modulation in complex partial epilepsy. American Epilepsy Society, San Francisco, December 1998.

Bowers, D., Rogish, M., Eckert, M., Kortenkamp, S., Gilmore, R., Roper, S. (1999) Decoding nonverbal social signals of fear and threat by patients with unilateral temporal ablations involving the amygdala. International Neuropsychology Society, Boston MA, February 1999.

Kortenkamp, S., Bowers, D., Rogish, M., Bauer, R., Gilmore, R., Roper, S. (1999). Odor affectivity: Impact of anterior temporal lobectomy. International Neuropsychology Society, Boston, MA, February, 1999.

Crucian, G., Keiller, J., Hughes, J., Barrett, Williams, D., Bowers, D., Heilman, K. (1999). Hemispheric differences in emotional reactions to false feedback. International Neuropsychology Society, Boston, MA, February 1999.

McCoy, K., Kortenkamp, S., Rossi, R., Bowers, D., Triggs, W., Greer, R. (1999) Neuropsychological sequel of transcranial magnetic stimulation for treatment of depression. International Neuropsychology Society, Boston, MA, February, 1999.

Bowers, D., Rogish, M., Kortenkamp, S., Gilmore, R., Roper, S. (1999). Processing fear and threat signals following temporal lobe lesions. Cognitive Neuroscience Society, Washington DC, April 1999.

Medina, J., Bowers, D., Gilmore, R., Rogish, M., Roper, S. (1999). Retrieval of emotional memories in temporal lobe epilepsy. American Epilepsy Society, Orlando, FL, December 1999.

Gilmore, R., Fennell, E., Bowers, D., Bauer, R., Eisenschenk, S., Cibula, J., Quisling, R., Williams, L., Roper, S. (1999) Methohexital Wada testing for prognosis of seizure outcome in patients undergoing anterior temporal lobectomy. American Epilepsy Society, Orlando, FL, December 1999.

Bowers, D. (2000). Reflections on the contributions of Molly Harrower. Symposium on "Historical Contributions to Clinical Neuropsychology: Biographic Perspectives" (Corwin Boake, organizer). International Neuropsychology Society, February 2000.

Leritz, E., Loftis, C., Crucian, G., Bowers, D. (2000). Self-awareness deficits in Parkinson's disease. International Neuropsychology Society, February 2000.

McDonald, C., Crosson, B., Bowers, D. (2000). Semantic encoding, memory and retrosplenial amnesia. International Neuropsychology Society, February 2000.

Gokcay, D., Bowers, D., Richardson, C., Desai, A. (June 2000) Use of local entropy changes as a measure for identification of facial expressions. ICASSP International Conference on Acoustics, Speech, and Signal Processing, Istanbul.

Desai, A., Bowers, D., Gokcay, D., Richardson, C. (2000). Digitizing the Face: Emotion asymmetries and Gender. Southeastern Psychological Association, New Orleans.

Pedraza, O., Bowers, D., Gilmore, R., Hamby, M. (2000) Hemispheric asymmetry of amygdala volumes: A meta-analysis. American Psychological Society, Miami, FL.

Bowers, D., Gilmore, R., Gokcay, D., Bauer, R., Roper, S. (2000) Affect modulation of startle by verbal semantic stimuli: Laterality effects following temporal lobectomy. American Epilepsy Society, Los Angeles, CA (December 2000)

Desai, A., Gokcay, D., Richardson, C., Hamby, M., & Bowers, D. (2001) Digitizing the moving face during emotional displays: movement asymmetries. International Neuropsychology Society, International Neuropsychology Society, Chicago (Feb. 2001).

McDonald, C., Kortenkamp, S., Bowers, D. (2001) The role of the retrosplenial region in the evaluation of emotional stimuli and memories. International Neuropsychology Society, Chicago (Feb. 2001).

Pedraza, O., Selke, G., Demerit, J., Eckert, M., Bowers, D. (2001) Contributions of hippocampal and amygdala asymmetries to verbal memory in temporal lobe epilepsy. International Neuropsychology Society, Chicago (Feb. 2001).

Bowers, D., Gilmore, R., Gokcay, D., Roper, S., Rogish, M., Kortenkamp, S. (2001)

Laterality Effects in Verbal-Emotional Modulation of Startle Following Temporal Lobectomy  
International Neuropsychology Society, Chicago (Feb. 2001).

Demery, J., Hamby, M., Bowers, D. (2001) Affect modulation of startle response by the semantic representation of faces. International Neuropsychology Society. Chicago, Illinois, February 2001.

Kortenkamp, S., Bauer, R., Bowers, D., Crosson, B., Fennell, E., Gilmore, R. (2001). Verbal distraction during the CFT: an attempt to increase the sensitive to right TLE. International Neuropsychology Society, Chicago, Ill, February 2001.

Crucian, G.P., Barrett, A.M., Burks, D.W., Riestra, A.R., Roth, H.L., Schwartz, R.L., Triggs, W.J., Bowers, D., Friedman, W., Greer, M., & Heilman, K.M. (2001). Object Orientation in Parkinson's Disease. Paper presented at the 29th annual meeting of the International Neuropsychological Society, Chicago, IL, February, 2001.

Selke, G., Fennell, E, Bowers, D. (2001). Emotional reactivity and startle responses in children. Society for Neuroscience, November 2001, San Diego

Bowers, D., Gilmore, R., Selke, G., Eckert, M. (2001). Memory, emotion, and hippocampal/amygdalar volumetrics in patients with TLE. American Epilepsy Society, Philadelphia, December 2001.

Selke, G., Fennell, E., Dikel, T., Bosch, W., Harrell, D., and Bowers, D. (2002, February). *Support for a developmental shift in emotional reactivity in male children*. Poster presented at 30<sup>th</sup> annual meeting of International Neuropsychology Society, Toronto, CA. (Abstract: Journal of International Neuropsychology Society, 8, 233).

Belanger, H., and Bowers, D. (2002, February). *Affective verbal memory following unilateral temporal lobectomy*. Poster presented at 30<sup>th</sup> annual meeting of International Neuropsychology Society, Toronto, CA. (Abstract: Journal of International Neuropsychology Society, 8, 235).

Leritz, E., Shenal, B., Crucian, G., and Bowers, D. (2002, February). *Differential effects of pallidotomy on depression and anxiety in Parkinson's disease*. Poster presented at 30<sup>th</sup> annual meeting of International Neuropsychology Society, Toronto, CA. (Abstract: Journal of International Neuropsychology Society, 8, 203).

Triggs, W., Bowers, D., Gokcay, D. (2002, April). *Lateralized asymmetry of facial motor evoked potential*. Poster presented at 54<sup>th</sup> annual meeting of American Academy of Neurology, Denver, CO. (Abstract: Neurology, 58, 268).

Bowers, D., Parkinson, B., Gober, T., Bauer, M.C., White, E., and Bongiolatti, S. (2002, November) *Two faces of emotion: patterns of startle modulation depend on facial expressions and on knowledge of evil*. Poster presented at 32<sup>nd</sup> annual meeting of Society for Neuroscience, Orlando, FL. (Abstract: Neuroscience Abstracts, 8, 780.9 ).

Pedraza, O. Bowers, D., Gilmore, R., and Eisenschenk, S. (2002, November). *A meta-analysis of MRI- based volumetric asymmetry of the hippocampus and amygdala in >1500 normal adults*. Poster presented at 32<sup>nd</sup> annual meeting of Society for Neuroscience, Orlando, FL. (Abstract: Neuroscience Abstracts, 8, 872.7).

Parkinson, B., Bongiolatti, S., Eisenschenk, S., Gilmore, R., and Bowers, D. (2003, February). *Diurnal mood variability following anterior temporal lobectomy*. Poster presented at 31<sup>st</sup> annual meeting of International Neuropsychology Society, Honolulu, HI. (Abstract: Journal of International Neuropsychology Society, 9, 277).

Bowers, D., Bosch, W., Peden, C., Triggs, W., and Gokcay, D. (2003, February). *Faces of emotion in Parkinson's disease: Microexpressivity and bradykinesia during voluntary emotions*. Poster presented at 31<sup>st</sup> annual meeting of International Neuropsychology Society, Honolulu, HI. (Abstract: Journal of International Neuropsychology Society, 9, 212).

Bowers, D., and Leritz, B. (2003, February). *Awareness deficits in Parkinson's disease*. Poster presented at 31<sup>st</sup> annual meeting of International Neuropsychology Society, Honolulu, HI. (Abstract: Journal of International Neuropsychology Society, 9, 313).

Pedraza, O., Bongiolattli, S., Bosch, W., Gokcay, D., and Bowers, D. (2003, February) *Static vs. dynamic measures of facial expression in Parkinson's disease*. Poster presented at 31<sup>st</sup> annual meeting of International Neuropsychology Society, Honolulu, HI. (Abstract: Journal of International Neuropsychology Society, 9, 212).

Hamby, M., Desai, A., Gokcay, D., and Bowers, D. (2003, February). *Digitizing the moving face during non-emotional expressions*. Poster presented at 31<sup>st</sup> annual meeting of International Neuropsychology Society, Honolulu, HI. (Abstract: Journal of International Neuropsychology Society, 9, 265).

Selke, G., McDonald, C., and Bowers, D. (2003, February) *Retrosplenial contributions to verbal emotional processing*. International Neuropsychology Society, Honolulu, HI. (Abstract: Journal of International Neuropsychology Society, 9, 186).

Rogish, M., Bowers, D., Bauer, R., and Gilmore, R. (2003, February) *The differential contribution of perceived social support and surgical outcome on depression in post-surgical ATL epilepsy patients*. Poster presented at 31<sup>st</sup> annual meeting of International Neuropsychology Society, Honolulu, HI. (Abstract: Journal of International Neuropsychology Society, 9, 277).

Pedraza, O., Springer, S., Gober, T., Okun, M, and Bowers, D. (2003, October) *The effect of unilateral pallidotomy on proactive interference and verbal learning*. Paper presented at 17<sup>th</sup> Annual Symposium on Etiology, Pathogenesis, and Treatment of Parkinson's Disease and Other Movement Disorders, San Francisco, CA. (Abstract: Movement Disorders, 18, 1087).

Seignorel, P., Miller, K., Okun, M., and Bowers, D. (2003, October). *Startle eyeblink in psychogenic movement disorder*. Poster presented at Psychogenic Movement Disorder Workshop. Movement Disorders Society, Atlanta, GA.

Miller, K., Kortenkamp, S., Rogish, M., Gilmore, R., Roper, S., and Bowers, D. (2003, November) *Odor preference deficits following right, but not left temporal lobectomy*. Poster presented at 33<sup>rd</sup> annual meeting of Society for Neuroscience, New Orleans, LA

Bowers, D., Bosch, W., Gober, T., Montijo, H., Miller, K., Springer, U., Foote, K., and Okun, M. (2004, February). *Startling facts about emotion in Parkinson's disease*. Poster presented at 32<sup>nd</sup> annual meeting of International Neuropsychology Society, Baltimore, MD. (Abstract: Journal of International Neuropsychological Society, 10, S1, 69).

Springer, U., Bowers, D., Shapira, N., Goodman, W., Heilman, K., Foote, K., and Okun, M. (2004, February). *Long term habituation of stimulation-induced smiling in a patient with deep brain stimulation*. Poster presented at 32<sup>nd</sup> annual meeting of International Neuropsychology Society, Baltimore, MD. (Abstract: Journal of International Neuropsychological Society, 10, S1, 155-56).

Crucian, G., Burks, D., Mielke, J., Shenal, B., Rhodes, R., Grande, L., Womack, K., Riestra, A.,

Okun, M., Bowers, D., and Heilman, K. (2004, February) *Memory in Parkinson's disease: a step-wise analysis*. Poster presented at 32<sup>nd</sup> annual meeting of International Neuropsychology Society, Baltimore, MD. (Abstract: Journal of International Neuropsychological Society, 10, S1, 66).

Miller, K., Bowers, D., Bosch, W., Gober, T., Montijo, H., Springer, S., Foote, K., and Okun, M. (2004, February). *Reduced fear-potentiated startle in medicated Parkinson's disease patients*. Poster presented at 32<sup>nd</sup> annual meeting of International Neuropsychology Society, Baltimore, MD. (Abstract: Journal of International Neuropsychological Society, 10, S1, 70).

Bowers, D., Kirsch, L., Springer, U., Miller, K., Crucian, G., Foote, K., and Okun, M. (2004, April). *Psychophysiological blunting in Parkinson's Disease*. Poster presented at 56<sup>th</sup> Annual Meeting of the American Academy of Neurology, San Francisco, CA. (Abstract: Neurology, 62, 421).

Okun, M., Bowers, D., Springer, U., Shapira, A., Malone, D., Rezai, A., Nuffin, B., Heilman, K., Morecraft, R., Rasmussen, S., Greenberg, B., Foote, K., and Goodman, W. (2004, April). *What's in a smile? Intra-operative observations of contralateral smiles induced by deep brain stimulation*. Poster presented at 56<sup>th</sup> Annual Meeting of the American Academy of Neurology, San Francisco, CA. (Abstract: Neurology, 62, 392).

Pedraza, O., Lucas, J., Smith, G., Willis, F., Graff-Radford, N., Petersen, R., Ferman, T. Bowers, D., and Ivnik, R. (2004, July). *Factor validity and cross-cultural equivalence of a Core Neuropsychological Test Battery in elderly African Americans*. Poster presented at 9<sup>th</sup> International Conference on Alzheimer's Disease and Related Disorders, Philadelphia PA. (abstract: Neurobiology of Aging, 25: S134-S134 Suppl. 2, Jul 2004).

Fernandez, H., Crucian, G., Jacobson, C., Freeman, K., Patel, N., Munson, Bowers, D., and Okun, M. (2004, October). *Cognitive impairment parallels motor progression in Parkinson's disease*. Poster presented at the 18<sup>th</sup> Annual Symposium on Etiology, Pathogenesis, and Treatment of Parkinson's Disease and Other Movement Disorders. (Abstract: Movement Disorders, 19, 1125-1126).

Shapira, A., Wint, D., Bowers, D., Springer, U., Fernandez, H., Goodman, W., Foote, K., Okun, M. (2004, October). *Fear and panic induced by deep brain stimulation*. Poster presented at the 18<sup>th</sup> Annual Symposium on Etiology, Pathogenesis, and Treatment of Parkinson's Disease and Other Movement Disorders. (Abstract: Movement Disorders, 19, 1130).

Willard, K., Licht, B., Gilmore, R., Licht, F., Sackellares, J.C., Eisenschenk, S., Bowers, D., Hyson, L., and Kirsch, L. (2004, December). *Affect in epilepsy patients undergoing video-EEG monitoring: Retrospective versus momentary assessment and temporal relation to seizures*. Poster presented at the 58<sup>th</sup> annual meeting of the American Epilepsy Society, New Orleans, LA. (Abstract: Epilepsia).

Shapira, A., Wint, D., Bowers, D., Springer, U., Fernandez, H., Goodman, W., Foote, K., Okun, M. (2004). *Fear and panic induced by deep brain stimulation*.

Bowers, D., Parkinson, B., Gilmore, R., Roper, S., and Eisenschenk, S. *Diurnal mood variability following right and left temporal lobectomy*. (2004, December). Poster presented at the 58<sup>th</sup> annual meeting of the American Epilepsy Society, New Orleans, LA. (Abstract: Epilepsia

Springer, U., Norton, J., Rosas, A., McGetrick, J., and Bowers, D. (2005, February). *Modulation of emotional reactivity via semantic knowledge of famous faces*. Presented at 33<sup>rd</sup> annual meeting of the International Neuropsychology Society, St. Louis, MO. (Abstract: Journal of



International Neuropsychological Society, 11, S1, 35).

Pedraza, O., Bowers, D., Marsiske, M., Fennell, E., and Bauer, R. (2005, February). *Relationship between intellectual ability and malingering on the LMT, WMT, and CARB*. Poster presented at 33<sup>rd</sup> annual meeting of the International Neuropsychology Society, St. Louis, MO. (Abstract: Journal of International Neuropsychological Society, 11, S1, 83).

Pedraza, O., Bowers, D., Bauer, R., Fennell, E., and Marsiske, M. (2005, February). *Classification accuracy of malingering measures in a yoked control group design*. Poster presented at 33<sup>rd</sup> annual meeting of the International Neuropsychology Society, St. Louis, MO. (Abstract: Journal of International Neuropsychological Society, 11, S1, 85).

Bowers, D., Gokcay, D., Springer, U., Ghacibeh, G., Triggs, W. (2005, February). *A cortico-motor hypothesis for face expression asymmetries: converging data from TMS and face digitizing*. Paper presented at 33<sup>rd</sup> annual meeting of the International Neuropsychology Society, St. Louis, MO. (Abstract: Journal of International Neuropsychological Society, 11, S1, 104)

Triggs, W., Ghacibeh, G., \*pringer, U., and Bowers, D. (2005, February). *Lateralized asymmetry in motor control over the lower face: A TMS-MEP study*. Paper presented at 33<sup>rd</sup> annual meeting of the International Neuropsychology Society, St. Louis, MO. (Abstract: Journal of International Neuropsychological Society, 11, S1, 105).

Kirsch, L., Fernandez, H., Okun, M., Romrell, J., Jacobsen, C., and Bowers, D. (2005, February). *Examining apathy and depression in Parkinson's disease*. Poster presented at 33<sup>rd</sup> annual meeting of the International Neuropsychology Society, St. Louis, MO. (Abstract: Journal of International Neuropsychological Society, 11, S1, 160).

Price, C., Eisenschenk, S., Gilmore, R., and Bowers, D. (2005, February). *Circadian cortisol rhythms after right or left temporal lobectomy*. Poster presented at 33<sup>rd</sup> annual meeting of the International Neuropsychology Society, St. Louis, MO. (Abstract: Journal of International Neuropsychological Society, 11, S1, 57).

Miller, K., Bowers, D., Price, C., Montijo, H., Springer, U., Kirsch, L., Foote, K., and Okun, M. (2005, February). *Clinical utility of the "N-back" test in detection of working memory impairment in Parkinson's Disease*. Poster presented at 33<sup>rd</sup> annual meeting of the International Neuropsychology Society, St. Louis, MO. (Abstract: Journal of International Neuropsychological Society, 11, S1, 163).

Kirsch, L., Fernandez, H., Okun, M., Romrell, J., Jacobsen, C., and Bowers, D. (2005, April). *Apathy and depression in patients with Parkinson's disease or Dystonia*. Poster presented at the 57<sup>th</sup> annual meeting of the American Academy of Neurology, Miami, FL (Abstract: Neurology, 64 (6), Suppl. 1, March 22, 2005). Selected by AAN as a meeting highlight

Okun, M., Knight, W., Shapira, A., Bowers, D., Springer, U., Martin, P., Munson, S., Fernandez, H., Mann, G., Goodman, W., & Foote, K. (2005, April). *Benefits and side effects from acute blinded stimulation of the anterior limb of the internal capsule and the nucleus accumbens*. Presented at 57<sup>th</sup> annual meeting of the American Academy of Neurology, Miami, FL. Okun, M., (Abstract: Neurology, 64 (6), A77-A77 Suppl. 1, Mar 22 2005).

De Zayas, M., Price, C., Miler, K., Dickey, D., & Bowers, D. (2005, April). *Decline in working memory for verbal material over 3 age groups*. Poster presented at Southeastern Psychological Association, Atlanta, GA.

Wood, M., Price, C., Montijo, H., Bowers, D., Leonard, C., Schmalfuss, I. (2005, July). *Volumetric measurement of the entorhinal cortex: A reliability analysis*. Poster presented at Alzheimer's Association International Congress on the Prevention of Dementia: Early Diagnosis and Intervention. Washington, D.C.

Miller, K., Bowers, D., Fernandez, H., Foote, K., Okun, M.S. (2005, October) *Comparison of mood profiles across Parkinson's disease, Essential Tremor, and dystonia Patients*. Poster presented at 19<sup>th</sup> Annual Symposium on Etiology, Pathogenesis, and Treatment of Parkinson's Disease and Other Movement Disorders (Abstract: Movement Disorders),

Kellison, I., Price, C., Dickey, D., Shugarman, I, Bowers, D., Gearen, P., & Monk, T. (2005, October). *Influence of smoking history on cognitive decline after orthopedic surgery*. Poster presented at National Academy of Neuropsychology, Tampa, FL (Abstract: Archives of Clinical Neuropsychology, 20 (7): 860, October 2005).

Springer, U.S., McGetrick J., Rosas, A., & Bowers, D. (2006, February). *Differences in psychophysiological reactivity while viewing static vs dynamic facial affect*. Poster presented at 34<sup>th</sup> annual meeting of the International Neuropsychology Society, Boston, MA. (Abstract: Journal of International Neuropsychological Society, 12, S1, 227).

Mikos, A., Lopez, M., Price, C., & Bowers, D. (2006, February). *Memory for emotional words in mild cognitive impairment*. Poster presented at 34<sup>th</sup> annual meeting of the International Neuropsychology Society, Boston, MA. (Abstract: Journal of International Neuropsychological Society, 12, S1, 120).

Miller, K.M., Bowers D., Fernandez H.H., Jacobson, C., Foote, K.D., & Okun, M.S. (2006, February) *Patterns of depressed mood symptoms in Parkinson's disease, dystonia, and essential tremor*. Poster presented at 34<sup>th</sup> annual meeting of the International Neuropsychology Society, Boston, MA. (Abstract: Journal of International Neuropsychological Society, 12, S1, 236).

Kellison, I., Sapienza, C., Springer, U., Okun, M., Bowers, D. (2006, February). *Improved facial expressivity in a patient with idiopathic parkinson's disease after expiratory muscle strength treatment*. Poster presented at 34<sup>th</sup> annual meeting of the International Neuropsychology Society, Boston, MA. (Abstract: Journal of International Neuropsychological Society, 12, S1, 114).

Kirsch-Darrow, L., Marsiske, M., Mikos, A., Fernandez, H., Okun, M., Bowers, D. (2006, February). *Apathy: An important "factor" in Parkinson's disease*. Poster presented at 34<sup>th</sup> annual meeting of the International Neuropsychology Society, Boston, MA. (Abstract: Journal of International Neuropsychological Society, 12, S1, 114).

Kirsch-Darrow, L., Kellison, I., Mikos, A., & Bowers, D. (2006, February). *Apathy in the absence of frontal cognitive deficits: a case study*. Poster presented at 34<sup>th</sup> annual meeting of the International Neuropsychology Society, Boston, MA. (Abstract: Journal of International Neuropsychological Society, 12, S1, 230).

Selke, G., Mikos, A., Springer, U., Goodman, W., Okun, W., Bowers, D. (2006, February). *Enhanced startle modulation to contamination pictures in Obsessive Compulsive Disorder: a case study*. Poster presented at 34<sup>th</sup> annual meeting of the International Neuropsychology Society, Boston, MA. (Abstract: Journal of International Neuropsychological Society, 12, S1, 230)

Price, C. C., Bowers, D., Schmalfuss, I., Libon, D., Heilman, Dickey, D., Gearen, P., K., Monk, T. (2006, February). . *White matter abnormalities and post-operative cognitive dysfunction in healthy older adults*. Paper presented at: Symposium on Vascular Disease in Demented and

nondement patients: the Paradigm of Vascular Load, 34<sup>th</sup> annual meeting of the International Neuropsychology Society, Boston, MA (Abstract: Journal of the International Neuropsychological Society, 12, S, p .265).

Fernandez, H., Williams, L., Seignourel, P., Crucian, G., Bowers, D., Okun, M. (2006, April). *Laterality, location, type and severity of motor dysfunction may predict cognitive decline in Parkinson's Disease*. Poster presented at 58th annual meeting of the American Academy of Neurology, San Diego, CA.

Pavon, J.M., Thomas, P.C., Bowers, D., Lopez, M., Crucian, G.P., Okun, M.S. (2006). *Neuropsychological function and age impact extended hospital stay following DBS*. Poster presented at ??? (Abstract: Movement Disorders, 21: S119 Suppl 13, 2006).

Wood, M., Price, C., Montijo, H., Bowers, D., Leonard, C., Schmalfuss, I. (2006). *Volumetric measurement of the entorhinal cortex: A reliability and validity analysis*. Poster presented at symposium of University Scholars Program. Gainesville, FL.

Mikos, A., Miller, M., Gadwal, S., Norton, J., Okun, M., Bowers, D. (2006, August). *Reduced emotional modulation of startle eyeblink in Essential Tremor*. American Psychological Association, New Orleans, LA. (Abstract: The Clinical Neuropsychologist, 20: 598-598, Sept 2006).

Springer, U., Chang Y., Graf-Radford, J., Jacobson, C. Crucian, G., Okun, M., Bowers, D. (2006, August). *Neuropsychological profile of pre-surgical Essential Tremor*. American Psychological Association, New Orleans, LA. (Abstract: The Clinical Neuropsychologist, 20: 599-599, Sept 2006).

Kellison, I., Kirsch-Darrow, L., Lopez, M., Crucian, G., Fernandez, H., Okun, M., Bowers, D. (2006, August). *Apathy and executive function in non-demented Parkinson's Disease*. American Psychological Association, New Orleans, LA. (Abstract: The Clinical Neuropsychologist, 20: 597-597, Sept 2006).

Okun, M., Mikos, A., Gadwal, S., Norton, J., Fernandez, H., Rodrigues, R., & Bowers, D. (2006, October). *Enhanced startle with dopaminergic administration in subjects with Parkinson disease*. International Parkinson Congress, Kyoto, Japan. (Abstract: Movement Disorders, 21: 2590, P949, Suppl 15, 2006).

Kirsch, L., Bowers, D., Fernandez, H., Rodriguez, R., Okun, M.S. (2006, October) *Relationship between apathy symptoms and levodopa dosage in Parkinson's disease*. International Parkinson Congress, Kyoto, Japan. (Abstract: Movement Disorders 12 (Suppl 15): 558.

Okun, M.S., Roy, A., Garvan, C., Fernandez, H., Rodriguez, R.L., Loring, D., Meador, K. (2006). *Does perceived cognitive dysfunction on the PDQ-39 correlate with cognitive dysfunction in Parkinson's disease*. Annual Symposium on Etiology, Pathogenesis, and Treatment of Parkinson's Disease and Other Movement Disorders. Chicago, Ill (Abstract: Movement Disorders, 21(9): 1545-1545, 2006).

Seignourel, P., Okun, M., Miller, K., Kellison, I., Bauer, R., Fernandez, H., Rodriguez, R., Repetto, M., Bowers, D. (2006, October). *Abnormal affective startle modulation in psychogenic movement disorders*. Annual Symposium on Etiology, Pathogenesis, and Treatment of Parkinson's Disease and Other Movement Disorders. Chicago, Ill. (Abstract: Movement Disorders, 21 (9), 1549-1549, September 2006).

Halkias, I., Krishnan, M., Seignourel, P., Bowers, D., Rosado, C.A., Fernandez, H.H., Rodriguez, R.L., Skidmore, F., Foote, K.D., & Okun, M.S. (2006, October). The Florida Surgical Questionnaire for Parkinson's disease (FLASQ-PD): A potential triage tool for cognitive dysfunction in DBS candidates.

Annual Symposium on Etiology, Pathogenesis, and Treatment of Parkinson's Disease and Other Movement Disorders. Chicago, Ill (Abstract, Movement Disorders, 21 (9), 1553, Sept 2006).

Anderson, A.M., Skoblar, B.M., White, T., Jacobson, C., Fernandez, H., Foote, K.D., Okun, M.S., Bowers, D. (2007, February). *Selection of normative reference data influences clinical considerations*. 35<sup>th</sup> Annual Meeting of the International Neuropsychological Society, Portland, OR.

Mikos, A., Wood, M., Price, C., & Bowers, D. (2007, February). *Aging, emotional memory, and the hippocampus*. 35th Annual Meeting of the International Neuropsychological Society, Portland, OR.

Springer, U., Conwell, E., Norton, J., Rosas, A., & Bowers, D. (2007, February). *Investigating facial movement asymmetries in the spontaneous expression of positive and negative emotion*, 35th Annual Meeting of the International Neuropsychological Society. Portland, OR

Kellison, I., Price, C., Woods, M., & Bowers, D. (2007, February). *Mild cognitive impairment: Memory, cortisol, and hippocampal volumetrics*. 35th Annual Meeting of the International Neuropsychological Society. Portland, OR

Kirsch, L., Okun, M., Fernandez, H., & Bowers (2007, February) *Parkinson's disease: Relationship between apathy and dopaminergic medication*. 35th Annual Meeting of the International Neuropsychological Society. Portland, OR

Skoblar, B., Crucian, G., Anderson, A., Foster, P., Drago, Bowers, D., Okun, M., Heilman, K. (2007, February). *Neuropsychological prediction of memory function in Parkinson's disease*. 35th Annual Meeting of the International Neuropsychological Society. Portland, OR

Kellison, I., Kirsch-Darrow, L., Fernandez, H., Okun, M.S., Bowers, D. (2007, April). *Apathy in non-demented Parkinson Disease: Relationship to executive dysfunction?* American Academy of Neurology, Boston MA. (Selected as AAN Highlights)

Mikos, A., Skoblar, B., Kellison, I., Nizenson, A., Springer, U., Fernandez, H., Okun, M.S., & Bowers, D. (2007, June). *Behind the masked face: Emotion self-perception and apathy in PD patients*. International Parkinson Congress, Istanbul Turkey.

Cooper CA, Wood MF, Mikos AE, Kirsch L, Jacobson C, Okun MS, Rodriguez RL, Bowers D, Fernandez HH (2007, September). *Laterality of Motor Impairment Could Play a Role in Cognitive Function in Parkinson Disease*. Presented at the Annual meeting of the Florida Society of Neurology, Orlando, FL.

Mikos AE, Cooper CA, Wood MF, Kirsch L, Jacobson C, Fernandez HH, Okun, MS, Rodriguez RL, Bowers D. (2007, September). *Axial versus Appendicular Motor Impairments are Associated with Different Cognitive Deficits in Parkinson Disease*. Presented at the Annual meeting of the Florida Society of Neurology, Orlando, FL.

Skoblar, B.M., Mikos, A.E., Nizenson, A., Kirsch-Darrow, L., Okun, M.S., Fernandez, H.H., Bowers, D. (2007, October). *The contribution of apathy to global cognitive status in Parkinson's disease*. Annual Symposium on Etiology, Pathogenesis, and Treatment of Parkinson's Disease and Other Movement Disorders, Washington, DC.

Kirsch-Darrow, L., Zahodne, L., Skoblar, B., Hass, C., Jacobson, C., Okun, M.S., Fernandez, H.H., Bowers, D. (2007, October). *Assessing apathy with the UPDRS: Comparison with the Apathy*

*Evaluation Scale*. Annual Symposium on Etiology, Pathogenesis, and Treatment of Parkinson's Disease and Other Movement Disorders, Washington, DC.

Okun, M.S., Fernandez, H.H., Bowers, D., Wu, S., Suelter, M., Jacobson, C., Rodriguez, R.L., Foote, K.D. (2007, October). *The cognition and mood in Parkinson Disease (CoMPare) DBS Trial*. American Neurologic Association, Washington, DC.

Kaufman, D., Perlstein, W.M., Okun, M.S., Fernandez, H.F., Bowers, D. (2007, October). *Apathy, emotional symptoms, and P3 response in Parkinson's disease*. Society for Psychophysiological Research

Kaufman, D., Perlstein, W.M., Bishop, M., & Bowers, D. (2007, October). *Age-related changes in P3 response and executive functioning*. Society for Psychophysiological Research.

Pavon, J.M., Thomas, P.C., Bowers, D, Roy, A., Garvan, C., Okun, M.S. (2007, November). *Impact of Age and Neuropsychological Function on Extended Hospital Stay following Deep Brain Stimulation*, 60<sup>th</sup> annual meeting of the Gerontological Society of America, San Francisco, CA.

Mikos, A.E, Parker, B., Kirsch-Darrow, L., Jacobson, C., Okun, M.S., Fernandez, H.H., Bowers, D. (2008, February). *Concurrent validity between a computerized battery and the DRS-2 in the cognitive screening of movement disorders patients*. 36<sup>th</sup> annual meeting of the International Neuropsychological Society, Waikoloa, HI.

Mikos, A., Skoblar, B., Springer, U.S., Kellison, I.L., Nisenzon, A., Fernandez, H.H., Okun, M.S., Bowers, D. (2008, February). *Emotion self-perception in Parkinson Disease*. 36<sup>th</sup> annual meeting of the International Neuropsychological Society, Waikoloa, HI.

Springer, U.S., Parker, B., Fernandez, H.H., Crucian, G.P., Okun, M.S., Bowers, D (2008, February) *Operating characteristics of Mindstreams' Visual Spatial Perception Score in Parkinson's Disease*. 36<sup>th</sup> annual meeting of the International Neuropsychological Society, Waikoloa, HI.

Bowers, D., Kirsch-Darrow, L., Mikos, A., Springer, U.S., Fernandez, HH, Okun, MS. (2008, February). *Apathy in non-demented Parkinson Disease: Relationship to psychophysiological blunting*. 36<sup>th</sup> Annual meeting of the International Neuropsychological Society, Waikoloa, HI

Kirsch-Darrow, L., Zahodne, L., Mikos, A., Skoblar, B. Hass, C., Jacoson, C., Fernandez, H., Okun, M.S., Rodriguez, R., Bowers, D. (2008, February) *Apathy measurement in Parkinson's disease; Comparing the UPDRS item 4 and the Apathy Evaluation Scale*. 36<sup>th</sup> annual meeting of the International Neuropsychological Society, Waikoloa, HI.

Zahodne, L.B., Kellison, I., Okun, M.S., Fernandez, H.H., Bowers, D. (2008, February). *Changes in Apathy and Depression over Time among Patients with Parkinson's Disease*. 36<sup>th</sup> annual meeting of the International Neuropsychological Society, Waikoloa, HI.

Zahodne, L., Young, S., Nisenzon, A., Jacobson, C., Fernandez, H.H., Okun, M.S., Bowers, D. (2008, February). *Profiles of apathy among Parkinson patients in the United States*. 36<sup>th</sup> annual meeting of the International Neuropsychological Society, Waikoloa, HI

Bowers, D., Kirsch-Darrow, L., Mikos, A., Springer, U.S., Fernandez, HH, Okun, MS. (February 2008). *Apathy in non-demented Parkinson Disease: Relationship to psychophysiological blunting*. 36<sup>th</sup> Annual meeting of the International Neuropsychological Society, Waikoloa, HI

Okun, M.S., Fogel, A., Skoblar, B., Zeilman, P., Foote, K.F., Bowers, D. (2008, April). *Patient Centered Outcomes for Deep Brain Stimulation*. American Academy of Neurology, April 2008

Bowers, D., Kirsch-Darrow, L., Mikos, A., Springer, U.S., Fernandez, HH, Okun, MS. (2008, April). *Apathy and Psychophysiological blunting in Parkinson Disease*. American Academy of Neurology, April 2008

Kaufman, D.S., Perlstein, W.M., Blanco, M.J., Larson, M.J., Okun, M.S., Fernandez, H.F., Bowers, D. (2008, April). *Relationship between Apathy and the P3 Responses in Parkinson Disease*. American Academy of Neurology, April 2008.

Kluger, B., Garvan, C., Jacobson, C., Rodriguez, R., Fernandez, H., Fogel, A., Skoblar, B., Bowers, D., & Okun, M.S. (2008, April). *Prevalence and Clinical Significance of Fatigue following Deep Brain Surgery in Parkinson's disease*. American Academy of Neurology, April 2008.

Cooper, C.A., Wood, M.F., Mikos, A.E., Kirsch, L., Jacobson, C., Okun, M.S., Rodriguez, R.L., Bowers, D., & Fernandez, H.H. (2008, April). *Laterality of Motor Impairment Could Play a Role in Cognitive Function in Parkinson Disease*. Presented at the Annual Meeting of the American Academy of Neurology, Chicago IL.

Okun, M.S., Fernandez, H.H., Wu, S.S., Kirsch-Darrow, L., Bowers, D., Suelter, M., Jacobson, C., Wang, X., Gordon, C., Zeilman, P., Romrell, J., Martin, P., Rodriguez, R., Foote, K.D. (2008, June). *Cognition and Mood in Parkinson Disease after Unilateral STN versus GPi DBS: The COMPARE Trial*. Presented at 12<sup>th</sup> International Congress of Parkinson's Disease, Chicago, Ill.

Okun, M.S., Fernandez, H.H., Wu, S.S., Kirsch-Darrow, L., Bowers, D., Suelter, M., Jacobson, C., Wang, X., Gordon, C., Zeilman, P., Romrell, J., Martin, P., Rodriguez, R., Foote, K.D. (2008, June). *Cognition and Mood in Parkinson Disease after Unilateral STN versus GPi DBS: The COMPARE Trial*. Presented at meeting of AASFN, Vancouver, Canada

Nisenzon, A.N., Springer, U.S., Mikos, A., Okun, M.S., Fernandez, HF., Bowers, D. 2008, August). *Effect of Motor Symptom Onset Asymmetry on Facial Expressivity in Parkinson Disease*. American Psychological Association, Boston, MA, August 2008. (Abstract: **CLINICAL NEUROPSYCHOLOGIST** Volume: **22** Issue: **4** Pages: **742-743**)

Bowers, D., Springer, Mikos, A., Nisenzon, A., Sapienza, C., Fernandez, H., Okun, M.S., (2008, September). *Role of dopaminergic medications in influencing masked facies in Parkinson disease: Timing is key*. Symposium on Etiology, Pathogenesis, and Treatment of Parkinson's Disease and Other Movement Disorders. Salt Lake City, UT (Abstract: **MOVEMENT DISORDERS** Volume: **23** Issue: **11** Pages: **1629-1629** Published: **AUG 15 2008**)

Haq, I.U., Foote, K.D., Wu, S., Goodman, W.G., Sudhyadhom, A., Bowers, D., Fernandez, H.h., Jacobson, C.C., & Okun, M.S. (2008). Brain Regions for smile and panic phenomena induced during intraoperative test stimulation in obsessive compulsive disorder (OCD). Symposium on Etiology, Pathogenesis, and Treatment of Parkinson's Disease and Other Movement Disorders. Salt Lake City, UT (Abstract: **Movement Disorders**, Volume 23, Pages: S386-387, Supplement 1, Published August 15, 2008.

Price, C.C., Mikos, A.E., Keiski, M.A., Fernandez, H.H., Okun, M.S., Bowers, D. (2008 September). *Intact global cognition on the DRS-2 in Parkinson disease may be misleading*. Symposium on Etiology, Pathogenesis, and Treatment of Parkinson's Disease and Other Movement Disorders. Salt Lake City, UT (Abstract: **MOVEMENT DISORDERS** Volume: **23** Issue: **11** Pages: **1635-1635**)

Zahodne, L., Okun, M.S., Foote, K., Fernandez, H.H., Bowers, D. (2008, September). *Cognitive Declines One Year after Unilateral STN and GPI Deep Brain Stimulation Surgery in Parkinson's Disease* Symposium on Etiology, Pathogenesis, and Treatment of Parkinson's Disease and Other Movement Disorders. Salt Lake City, UT

Mikos, A.E., Okun, M.S., Zahodne, L., Foote, K., Bowers, D. (2008, September). *Declines in Memory and Processing Speed after Unilateral Deep Brain Stimulation Surgery for Parkinson's disease*. Symposium on Etiology, Pathogenesis, and Treatment of Parkinson's Disease and Other Movement Disorders. Salt Lake City, UT MOVEMENT DISORDERS Volume: 23 Issue: 11 Pages: 1634-1634

A. E. Mikos, M.S. Okun, A. Noecker, L. Zahodne, L. Kirsch-Darrow, M. Won, C. McIntyre, K. Foote, H.H. Fernandez, D. Bowers. (2009, February). *Unilateral DBS for Parkinson's disease: Experiments to Dissect the Effects on Cognition and Language*. Paper as part of Symposium on "Brain Ganglia and Cognition", Atlanta GA.

Mikos, A. E., Okun, M. S., Kirsch-Darrow, L., Zahodne, L., Foote, K. & Bowers, D. (2009, February). Characterizing verbal fluency declines associated with unilateral DBS for Parkinson's disease. 37<sup>th</sup> Annual Meeting of the International Neuropsychological Society, Atlanta, GA.

U. S. Springer, J. Troche, T. Kuhn, G. Crucian, H. Fernandez, R. Rodriguez, M. Okun, D. Bowers (2009, February). Computerized Self-Ordered Working Memory Performance in Nondemented Parkinson Disease. 37<sup>th</sup> Annual Meeting of the International Neuropsychological Society, Atlanta, GA

D. Bowers, D., Springer, U.S., Mikos, A.E., Syme, M., Sapienza, C., Fernandez, H.H., Okun, M.S. (2009, February). *Dopamine and Masked Faces in Parkinson Disease: the 37<sup>th</sup> Annual Meeting of the International Neuropsychological Society, Atlanta, GA.*

Mikos, A., Okun, M. S., Zahodne, L., Fernandez, H., Foote, K., Jacobson, C., & Bowers, D. (2009, February). *Declines in word recall and processing speed after deep brain stimulation surgery for Parkinson disease: A controlled study using reliable change*. 37<sup>th</sup> Annual Meeting of the International Neuropsychological Society, Atlanta, GA.

M. A. Keiski, G. Z. Reckess, C. C. Price, M. S. Okun, D. Bowers (2009, February) *Equivalence of WCST-128 and WCST-64 in Pre and Post DBS Patients with Parkinson's Disease*. 37<sup>th</sup> Annual Meeting of the International Neuropsychological Society, Atlanta, GA.

L. E. Kirsch-Darrow, M. Marsiske, M. Okun, K. Foote, D. Bowers. (2009, February). *Longitudinal Change in Apathy Following Deep Brain Stimulation for Parkinson's Disease*. 37<sup>th</sup> Annual Meeting of the International Neuropsychological Society, Atlanta, GA.

Zahodne, L.B., Nisenzon, A., Price, C.E., Bauer, R.M., Fernandez, H.H., Okun, M.S., & Bowers, D. (2009, February). *Comparing memory for word lists and stories in Parkinson's disease: Disease effect or psychometric artifact?* 37<sup>th</sup> Annual Meeting of the International Neuropsychological Society, Atlanta, GA

Zahodne, L., Okun, M.S., Foote, K., Fernandez, H.H., Bowers, D. (2009, February) *A Reliable Change Analysis of Cognitive Declines One Year after Unilateral Deep Brain Stimulation Surgery in Parkinson's Disease*. 37<sup>th</sup> Annual Meeting of the International Neuropsychological Society, Atlanta, GA

Miller, K., Okun, M.S., Marsiske, M., Fennell, E.B., Bowers, D. (2009, February). *Arousal modulated startle reflex hyporeactivity in Parkinson's disease*. 37<sup>th</sup> Annual Meeting of the International Neuropsychological Society, Atlanta, GA.

Kirsch-Darrow, L, Marsiske M., Okun, M., Foote, K., & Bowers, D. *Longitudinal Change in Apathy Following Deep Brain Stimulation for Parkinson's Disease*. (2009, April) 61<sup>st</sup> meeting of the American Academy of Neurology, Seattle, WA. (Abstract: NEUROLOGY Volume: 72 Issue: 11 Pages: A221-A222 Supplement: Suppl. 3 Published: MAR 17 2009)

Zahodne, L., Okun, M.S., Foote, K., Fernandez, H., Rodriguez, R., Kirsch-Darrow, L., Wu, S., & Bowers, D. (2009, April). *Greater improvements across quality of life domains following unilateral deep brain stimulation surgery in GPI as compared to STN: Results from a randomized, controlled trial in Parkinson disease*. 61<sup>st</sup> meeting of the American Academy of Neurology, Seattle, WA. (Abstract: Neurology, 72 (11), A221, Suppl. 3, 2009).

Nadeau, S.E., Ricciulti, N., Ward, H., Cheng, J., Bowers, D., Triggs, W. (2009, April), *rTMS treatment of refractory depression: stimulus laterality effect exceeds rTMS effect*. 61<sup>st</sup> meeting of the American Academy of Neurology, Seattle, WA. (Abstract: Neurology, 72 (11), A280, Suppl. 3, 2009).

Mikos, A., Noecker, A., Chaturvedi, A., Bowers, D., Foote, K., Okun, M.S., McIntyre, C.C. (2009, October). *Relationship of Patient-Specific Models of Deep Brain stimulation to Verbal Fluency Performance*. 23<sup>rd</sup> Annual Symposium on Etiology, Pathogenesis, and Treatment of Parkinson's Disease and Other Movement Disorders, Baltimore, MD (Abstract: Movement Disorders, 24, S481, Suppl. 1, 2009)..

Burdick, A., Haq, I., Okun, M. S., Ward, H. E., Bova, F., Jacobson, C., Bowers, D., Zeilman, P., Foote, K. D. (2009) Prevalence of Twiddler's syndrome as a cause of deep brain stimulation hardware failure. Presented at 23<sup>rd</sup> Annual Symposium on Etiology, Pathogenesis, and Treatment of Parkinson's Disease and Other Movement Disorders, Baltimore, MD (Abstract: Movement Disorders, 24, S481, Suppl.1, 2009).

Haq IU, Foote KD, Wu SS, Goodman, W.G., Sudhyadhom, A., Ricciuti, N., Goodman, W., Siddiqui, M., Bowers, D., Jacobson, C., Ward, H., Okun, M.S. A Small Pilot Study of Smile Induction in the NIH OCD DBS Cohort: A Potential Predictor of Therapy Response? Presented at annual meeting of the American Neurologic Association, (Abstract: Annals of Neurology, Volume 66, S78-79, Suppl 13, 2009).

Schoenfield, K., Jordan, L., Bowers, D. (2009, November) *The Emotional Enhancement Effect in Memory: Differences Between Age and Gender Groups*. Annual Biomedical Research Conference for Minority Students (ABRCMS), Phoenix, AZ.

Hass, C., Vallabhajosula, S., Zahodne, L., Sozda, C., Nocera, J., Bowers, D., Fernandez, H. (2010, February). *Is Apathy associated with Postural Control in Parkinson's Disease*. Annual meeting of Gait and Mental Function Conference, Washington, DC.

Kirsch-Darrow, L.D., Marsiske, M.S., Okun, M.S., Foote, K., Fernandez, H.H., Bowers, D. (2010, February). *Apathy and Depression: Separate Factors in Parkinson's Disease*. 38<sup>th</sup> Annual Meeting of the International Neuropsychological Society, Acapulco, Mexico

Zahodne, L., Susatia, F., Bowers, D., Okun, M.S., Fernandez, H.H. (2010, March) *Binge Eating in Parkinson Disease: Prevalence, Correlates, and the Contribution of Deep Brain Stimulation*. American Neuropsychiatric Association, Tampa FL, (Abstract: Neurology, 2010, 74(9), A80,,



Suppl. 2).

Jordan, L.B., Ferencz, B., McKentley, H., Okun, M.S., Bowers, D. (2010, March). *Anhedonic Deficits in Parkinson's Patients with Apathy*. American Neuropsychiatric Association, Tampa FL.

Jordan, L., Dietz, J., Clark, A., McKentley, H., Okun, M.S., Bowers, D. (2010, April). *Muted Enhancement of Emotional Memory in Parkinson's Disease*. 62<sup>nd</sup> annual meeting of the American Academy of Neurology, Toronto, CAN (Abstract: Neurology, 2010, 74(9), A72 Suppl. 2).

Goetz, J., Bowers, D., Zahodne, L., Fernandez, H., Okun, M.S. (2010, April). *Mood and Autonomic Symptom Clusters in Parkinson's Disease*. 62<sup>nd</sup> annual meeting of the American Academy of Neurology, Toronto, CAN, (Abstract: Neurology, 2010, 74(9), A78 Suppl. 2)..

Fernandez, H.H., Bowers, D., Triggs, W., Perlstein, W., Hass, C., Zahodne, L., Sozda, C., Rodriguez, R., Malaty, I., & Wu, S. (2010, April). *Repetitive transcranial magnetic stimulation (rTMS) for treatment of Apathy in Parkinson's disease: Results from a double-blind, sham-controlled randomized controlled trial*. 62<sup>nd</sup> annual meeting of the American Academy of Neurology, Toronto, CAN, (Abstract: Neurology, 2010, 74(9), A74, Suppl. 2)..

Zahodne, L.B., Kirsch-Darrow, L., Fernandez, H., Okun, M.S., Bowers, D. (2010, April). *Divergent Trajectories of Apathy and Depression over two years in Medically-Managed idiopathic Parkinson's disease*. 62<sup>nd</sup> annual meeting of the American Academy of Neurology, Toronto, CAN, (Abstract: Neurology, 2010, 74(9), A77, Suppl. 2)..

Prosje, M., Dietz, J., Price, C.M., Bauer, R., Okun, M.S., Bowers, D. (2010, April). *Mood and Neurocognitive Contributions to a Dementia Screening Scale in Patients with Parkinson's Disease*. 62<sup>nd</sup> annual meeting of the American Academy of Neurology, Toronto, CAN, (Abstract: Neurology, 2010, 74(9), A80, Suppl. 2).

Dietz, L., Bradley, M., Jordan, L., Braun, T., Okun, M., Bowers, D. (2010, April). *The Pupil as a Measure of Emotional-Modulated Arousal in Parkinson's Disease*. Presented at the 62<sup>nd</sup> annual meeting of the American Academy of Neurology, Toronto, CAN, (Abstract: Neurology, 2010, 74(9), A72-73. Suppl. 2).

Kay, D., Kirsch-Darrow, L., Zahodne, L., Okun, M.S., Fernandez, H., Bowers, D. (2010, April). *Dimensions of Apathy in Parkinson Disease: Apathy Scale Revisited*. Presented at the 62<sup>nd</sup> annual meeting of the American Academy of Neurology, Toronto, CAN, (Abstract: Neurology, 2010, 74(9), A76-77, Suppl. 2).

Ferencz, B., Kirsch-Darrow, L., Bogoroskaya, M., Okun, M.S., Bowers, D. (2010, April). *Gadgets and Toys: Construct Validity of Apathy in Parkinson's Disease*. Presented at the 62<sup>nd</sup> annual meeting of the American Academy of Neurology, Toronto, CA, (Abstract: Neurology, 2010, 74(9), A74 Suppl. 2).

Sozda, C., Zahodne, L., Bowers, D., Perlstein, W., & Fernandez, H. (2010, April). *Correlation of Depressive Symptoms to Neural Reflections of Conflict Processing in Parkinson's disease*. Presented at 62<sup>nd</sup> annual meeting of the American Academy of Neurology, Toronto, CA, (Abstract: Neurology, 2010,74(9), A74, Suppl. 2).

Zahodne, L., Susatia, F., Bowers, D., Okun, M.S., Fernandez, H.H. (2010, March) *Binge Eating in Parkinson Disease: Prevalence, Correlates, and the Contribution of Deep Brain Stimulation*. Presented at 62<sup>nd</sup> annual meeting of the American Academy of Neurology, Toronto, CA (Abstract: Neurology, 2010, 74(9), A80, Suppl. 2).

Haq IU, Foote KD, Wu SS, Goodman, W.G., Sudhyadhom, A., Ricciuti, N., Goodman, W., Siddiqui, M., Bowers, D., Jacobson, C., Ward, H., Okun, M.S. *Laughter Induction in the NIH OCD DBS Cohort: A Potential Predictor of Therapeutic Response?* Presented at 62<sup>nd</sup> annual meeting of the American Academy of Neurology, Toronto, CA (Abstract: Neurology, 2010, 74(9), A409., Suppl. 2).

Nisenzon, A., Robinson, M.E., Bowers, D., Banou, E., Malaty, I., Okun, M.S. (2010, April). *Measurement of Patient Centered Outcomes in Parkinson's Disease: What do Patients' Really Want from their Treatment?* annual meeting of the Society for Behavioral Medicine, Seattle, WA.

Kay, D., Nisenzon, A., Robinson, M., Okun, M., Fernandez, H., and Bowers, D (2010, June ). *Parkinson patients care about improving their sleep difficulties: do we care?* 24th Annual Meeting of the Associated Professional Sleep Societies, LLC., San Antonio, TX. (Winner: Movement Disorders Section Investigator Award).

Mikos A, Pavon, J Bowers D, Foote KD, Resnick AS, Fernandez HH, Thomas P, Garvan C Roy A, Okun MS. (2010, June) Factors Related to Extended to Hospital Stays Following Deep Brain Stimulation for Parkinson's Disease. 14<sup>th</sup> International Congress of Parkinson's Disease and Movement Disorders, Buenos Aires, Argentina, June 2010. (Abstract: Movement Disorders 2010; 25, Issue 7(Suppl 2):807, pg S453.)

Burdick AP, Fernandez HH, Foote KD, Bowers D, Jacobson CE, Ward HE, Okun MS. (2010, June). Target Specificity for Post-DBS Anger. 14<sup>th</sup> International Congress of Parkinson's Disease and Movement Disorders, Buenos Aires, Argentina, June 2010. (Abstract: Movement Disorders 2010; 25, Issue 7(Suppl 2):769, pg S440.

Dietz, J., Bradley, M., Okun, M.S., Bowers, D. (2011). Divergent effects of emotional arousal on physiology and behavior in Parkinson's disease. Presented at 39<sup>th</sup> meeting of the International Neuropsychological Society, February 2011, Boston, MA.

Coronado, N., Cunningham, Freedland, A., Cosentino, S., Bowers, D., Okun, M., Penny D., Libon, D., Price, C. (2011), *Considerations for MoCA Clock: Improved diagnostic efficacy with rating training and addition of the copy condition.* Presented at 39<sup>th</sup> meeting of the International Neuropsychological Society, February 2011, Boston, MA.

Janecek, J., Rog, L., Prosje, M., Okun, M.S., Price, C., Bauer, R., Bowers, D. *MCI in Parkinson disease: Measures matter.* Presented at 39<sup>th</sup> meeting of the International Neuropsychological Society, February 2011, Boston, MA.

Prosje, M., Tyner, C., Okun, M.S., Bowers, D. (2011). *Cognitive decline starting in the 4<sup>th</sup> decade: A female carrier of the Leptzaeus-Merzbacher's (PLP!) gene.* Presented at 39<sup>th</sup> meeting of the International Neuropsychological Society, February 2011, Boston, MA.

Springer, U., Kuhn, T., Okun, M., Bauer, R., Fernandez, H., Bowers, D (2011) *Paradoxical visuospatial cognition in essential tremor: a case of compensation.* Presented at 39<sup>th</sup> meeting of the International Neuropsychological Society, February 2011, Boston, MA.

Price, C., Ward, J., Moffett, K., Bowers, D., Tanner, J., Fernandez, H., Okun, M. (2011). *Post-operative cognitive dysfunction in at risk populations: A "proof of principle" study.* Presented at 39<sup>th</sup> meeting of the International Neuropsychological Society, February 2011, Boston, MA.

Sisco, S., Price, C., Freedland, A., Cunningham, H., Okun, M., Bowers, D. (2011). *Assessing*

*interference independent of processing speed on the Stroop test in a Parkinson's disease sample.* Presented at 39<sup>th</sup> meeting of the International Neuropsychological Society, February 2011, Boston, MA.

Cunningham, H., Coronado, N., Ward, J., Mitchell, S., Libon, D., Cosentino, S., Penney, D., Bowers, D., Okun, M.S. Price, C. (2011). *Clock Drawing: A comparison between controls, Parkinson disease, and PD with mild cognitive impairment.* Presented at 39<sup>th</sup> meeting of the International Neuropsychological Society, February 2011, Boston, MA.

Mikos, A., Okun, M.S., Foote, K. Zahodne, L., Kirsch-Darrow, L., & Bowers, D. (2011). *Do clustering and switching add to our understanding of deep brain stimulation related verbal fluency declines in Parkinson disease.* Presented at 39<sup>th</sup> meeting of the International Neuropsychological Society, February 2011, Boston, MA.

Gullett, J., Price, C., Nguyen, P., Okun, M.S., Bauer, R., Bowers, D (2011). *Reliability of a Benton JOLO short form in Parkinson disease.* Presented at 39<sup>th</sup> meeting of the International Neuropsychological Society, February 2011, Boston, MA.

Kay, D., Zahodne, L., Kirsch-Darrow, L., Jones, J., Jordan, L., Okun M.S., Bowers, D. (2011). *Apathy in Parkinson's disease: Comparing FrSBe and Apathy Scale.* Presented at 39<sup>th</sup> meeting of the International Neuropsychological Society, February 2011, Boston, MA.

Jones, J., Dietz, J., Kirsch-Darrow, L., Jordan, L., Okun, M., Bowers, D. (2011). *Self-perceived changes in apathy and executive function in Parkinson disease and dystonia.* Presented at 39<sup>th</sup> meeting of the International Neuropsychological Society, February 2011, Boston, MA.

Leininger, S., Freeland, A., Ward, J., Tanner, J., Ngyuen, P., Mitchell, S., Bowers, D., Libon, D., C. Price (2011, February). *Rey-Osterreith Complex Figure (ROCF) Flowchart units and associations to memory performance in Parkinson's disease.* Poster presentation at 39<sup>th</sup> meeting of the International Neuropsychological Society, February 2011, Boston, MA.

Zahodne, L., Marsiske, M., Okun, M.S., Bowers, D. (2011). *Naturalistic trajectories of mood and motor symptoms in Parkinson's disease: a multivariate latent growth curve analysis.* Poster presentation at 39<sup>th</sup> meeting of the International Neuropsychological Society, February 2011, Boston, MA.

Kirsch-Darrow, L., Zahodne, L., Okun, M.S., Bowers, D. (2011, March). *Apathy and Cognition in Parkinson Disease: Apathy's unique contribution to "mesial" tasks of executive function.* Paper presentation at annual meeting of Meeting of American Neuropsychiatric Association, March 2011, Denver CO. (Abstract: J. Neuropsychiatry and Clinical Neuroscience).

Kay, D., Jones, J., Kirsch-Darrow, L., Jordan, L., Okun, M.S., Bowers, D. (2011, June). *Pilot study of the effects of poor sleep on Essential tremor and Parkinson disease.* Poster presentation at annual meeting of 25th Annual Meeting of the Associated Professional Sleep Societies, LLC., Seattle, WA.

Troster, A.I., Bowers, D., Levin, B., Goldstein, M., WOehr, J., Barrett, E., Okun, M. (2011, June) *Twelve month neuropsychological outcome of bilateral subthalamic deep brain stimulation using the Libra tm DBS System (SJM) in Parkinson disease.* Poster presentation at annual meeting of International Congress of Parkinson's disease and Movement Disorders, Toronto, CA. (Abstract Movement Disorders)

Troster, A.I., Bowers, D., Levin, B., Goldstein, M., Woehr, J., Barrett, E., Okun, M (2011, June) *Three-month neuropsychological outcomes of bilateral subthalamic deep brain stimulation using the Libratm DBS System (SJM) in Parkinson's disease: A delayed activation controlled, randomized study.* Poster presentation at annual meeting of International Congress of Parkinson's disease and Movement Disorders, Toronto, CA. (Abstract: Movement Disorders)

Limotai N, Oyama G, Go CL, Bernal O,\*Ong T, Bhidayasiri R, Bowers D, Ward H, Okun MS. Addiction-like Relationships between DAWS, DDS and ICDs. International Congress of Parkinson's Disease and Movement Disorders, Toronto, Canada. *Movement Disorders*, Vol. 26, Suppl. 2, 2011, pp. S1–S385.

Troster, A.I, Bowers, D., Levin, B. (2011, July). *Group and individual neuropsychological outcomes after 90 days of bilateral SNT brain stimulation in Parkinson's disease: a delayed-activation controlled randomized study.* Paper presentation at annual meeting of International Neuropsychological Society, Auckland, NZ (Abstract: Brain Impairment,12, Suppl July 201, p.18).

Dietz, J., Jones, J., Perlstein,, W.P., Okun, M.S., Bowers, D. (2011, September). *The late positive potential as an index of motivational activation in Parkinson Disease.* Poster presentation at annual meeting of Society for Psychophysiological Research, Boston, MA.

Zahodne, L., Bowers, D. (2011, September). *Chronometry of affective startle modulation in Parkinson's disease without depression.* Poster presentation at annual meeting of Society for Psychophysiological Research. Boston, MA.

Bowers, D., Sapienza, C., Springer, U., Mlkos, A., Nisenzon, A., Clark, A., Rodriguez, R., Fernandez, H., Okun, M.S. (2012, February). *Unmasking the face of Parkinson's patients: Results from a randomized double-blind sham controlled behavioral intervention.* Paper to be presented at 40<sup>th</sup> meeting of the International Neuropsychological Society, Montreal, Canada.

Dietz, J., Jones, J., Perlstein, W.M., Okun, M.S., Bowers, D. (2012, February). *Detecting emotional significance: the Late positive potential in Parkinson disease.* TO be presented at 40<sup>th</sup> meeting of the International Neuropsychological Society, Montreal, Canada.

Jones, J., Malaty, I., Okun, M., Bowers, D. (2012, February) *Health comorbidities, cognition, and quality of life in Parkinson disease: Results from the National Parkinson Foundation Quality Initiative with 1935 patients.* Poster presentation at 40<sup>th</sup> meeting of the International Neuropsychological Society, Montreal, Canada.

Jones, J., Skoblar, B., Kirsch-Darrow, Okun, M.S., Bowers, D. (2012, February). *Contribution of apathy and depression to global cognitive status in 209 nondemented Parkinson patients.* Poster presentation at 40<sup>th</sup> annual meeting of the International Neuropsychological Society, Montreal, Canada.

Glass Umfleet, L., Bowers, D., Price, C., Bauer, R., Keiski, M., Dede, D., Kay, D., Jones, J., Jacobson, C., Foote, K., Okun, M.S. (2012, February). *Parkinson's disease normative study: Normative data for commonly used clinical neuropsychological data in 379 PD patients.* Poster presentation at 40<sup>th</sup> annual meeting of the International Neuropsychological Society, Montreal, Canada.

Umfleet, L., Jones, J., Price, C., Bauer, R., Okun, M.S., Bowers, D. (2012, February). *Neuropsychological test performance: Effects of age of onset in a non-demented Parkinson's Disease patient population.* Poster presentation at 40<sup>th</sup> annual meeting of the International Neuropsychological Society, Montreal, Canada.

Bowers, D. (2012, February). Symposium organize and chair: *Current Controversies in Parkinson Disease*. Speakers: A. Troster: Mild cognitive impairment (MCI) in Parkinson disease: new criteria and controversies; L. Zahodne: Cognitive decline following deep brain stimulation: debates regarding clinical relevance and potential mechanism; D. Bowers: The apathy-depression conundrum in Parkinson disease- does it matter?; C. Price: PD as a disconnection syndrome versus a fractionation disorder. Discussant: Don Stuss; Oral presentation at annual meeting of International Neuropsychological Society, Montreal, CA.

Leninger, A., Freedland, A., Umfleet, L., Schwab, N., Ward, J., Coronado, N., Tanner, J., Nguyen, P., Bowers, D., Libon, D., and Price, C. (2012, February). *Rey-Osterrieth Complex Figure Flowchart Organizational Approach as a Measure of Executive Functioning in Parkinson's Disease Patients*. Poster presentation at 40<sup>th</sup> annual meeting of the International Neuropsychological Society, Montreal, Canada.

Cunningham, H., Penney, D., Davis, R., Tanner, J., Nguyen, P., Schwab, N., Malaty, I., Okun, M., Bowers, D., Libon, D. J., Price, C. C. (February, 2012) *Clock Drawing in PD: What makes the clock drawing test tick?* Poster presentation at 40<sup>th</sup> annual meeting of the International Neuropsychological Society, Montreal, Canada

Freedland, A., Glass Umfleet, L., Schwab, N., Ward, J., Leninger, S., Coronado, N., Tanner, J., Nguyen, P., Okun, M., Bowers, D., Price, C.C. (2012, February). *Test-retest reliability on the Rey-Osterrieth Complex figure test in a sample of Parkinson's disease patients compared to normal controls*. Poster presentation at 40<sup>th</sup> annual meeting of the International Neuropsychological Society, Montreal, Canada

Tanner, J.J., Price, C.C., Malaty, I., Okun, M.S., Libon, D., Bowers, D. (2012, February) *Verbal learning profiles and entorhinal cortex volume in Parkinson's Disease*. Poster presentation at 40<sup>th</sup> annual meeting of the International Neuropsychological Society, Montreal, Canada.

Butterfield, L., Song, W., Kirsch-Darrow, L., Okun, M.S., and Bowers, D. (2012, March). *Apathy and dysphoric mood as independent predictors of quality of life in Parkinson's Disease*. To be presented at annual meeting of American Neuropsychiatric Association, New Orleans LA.

Zahodne, L., and Bowers, D. (2012, March). *Depression in Parkinson's disease: Relation to startle eyeblink psychophysiology and affective chronometry*. To be presented at annual meeting of American Neuropsychiatric Association, New Orleans LA.

Gravano, J., Sozda, C., Kaufman, D., Bowers, D. Okun, M.S., Perlstein, W. (2012, April). *A behavioral and electrophysiological examination of attentional networks in Parkinson disease*. Presented at annual meeting of the Cognitive Aging Conference. Atlanta, GA.

Altmann, L., Stegemoller, E., Hazamy, A., Wilson, J.P., Bowers, D. Sapienza, C., Okun, M.S., Hass, CJ (2012, June). *Graded dual task benefits of cognitive tasks on cycling in Parkinson's Disease: Effects of kinesia paradoxical*. Presented at the Movement Disorders Society 16<sup>th</sup> International Congress of Parkinson's disease and Movement Disorders, Dublin, Ireland. Abstract: Movement Disorders 2012;27 Suppl 1 :31.

Hazamy, A.A., Altmann, L.J.P., Wilson, J.P., Stegemoller, E., Bowers, D., Sapienza, C.M., et al; *Dual task dissociations in cognitive performance in Parkinson's disease*. Presented at Movement Disorders Society 16<sup>th</sup> International Congress of Parkinson's disease and Movement Disorders, Dublin Ireland. [abstract]. Movement Disorders 2012;27 Suppl 1 :56.

Kirsch-Darrow, L., Okun, M.S., & Bowers, D. (2012, June). *Characteristics of apathy and depression in Parkinson's Disease patients with dementia*. Presented at the annual meeting of the American Association of Clinical Neuropsychology, Chicago ILL.

Jones, J., Jacobson, C., Murphy, M.C., Okun, M.S. Bowers, D. (2012, August). *Health comorbidities and cognition in a clinic sample of 403 Parkinson's Disease patients*. Presented at the annual meeting of the American Psychological Association, Orlando, FL. (Award Winner)

Bowers, D. (2012, August). *Startling facts about emotion in Parkinson's disease*. Invited address. Presented at the annual meeting of the American Psychological Association, Orlando, FL

Kretzmer, T., Pavalla, S. (Organizers) (2012, August). *Professional Dilemmas: Managing inappropriate exchanges in the workplace. A conversation sponsored by Women in Neuropsychology WIN*). Discussants: D. Bowers, R. Nakase-Richardson, Z. Proctor-Weber, R. Ready, M. Rivera-Mindt, P.K. Shear. Presented at the annual meeting of the American Psychological Association, Orlando, FL.

Thomas, K., Marsiske, M., Jones, J., Marra, D., Bowers, D. (2012, November). *Age as a moderator of fatigue severity on a task of cognitive Switching*. Presented at 65<sup>th</sup> annual meeting of the Gerontologic Society of America. San Diego, CA.

Dietz, J., Bradley, M.M., Perlstein W.E., Okun, M.S., Bowers, D. (2013, February). *Parkinson's disease, apathy, and the ERP to emotional pictures*. Presented at the 41<sup>st</sup> annual meeting of the International Neuropsychological Society, Kona, Hawaii.

Jones, J., Jacobson, C., Murphy, M., Okun, M.S., Bowers, D. (2013, February). *Differential effects of hypertension and hypotension on executive and memory status in nondemented Parkinson disease patients*. Presented at the 41<sup>st</sup> annual meeting of the International Neuropsychological Society, Kona, Hawaii.

Lafo, J., Jones, J., Okun, M.S., Bauer, R.M., Price, C.E., Bowers, D. (2013, February). *Memory dissociations in Essential Tremor and Parkinson disease: a Final common pathway?* Presented at the 41<sup>st</sup> annual meeting of the International Neuropsychological Society, Kona, Hawaii.

Mangal., P. Jones, J., Lafo, J., Okun, M.S., Bauer, R.M., Price, C.E., Bowers, D. (2013, February). *Many faces of mild cognitive impairment in Parkinson's disease: Classification approaches matter*. Presented at the 41<sup>st</sup> annual meeting of the International Neuropsychological Society, Kona, Hawaii.

*Diemunsch, N., Kay, D. B., Bowers, D. (2013, June). Sleep-Related Impairment: Parkinson's Disease Symptoms and Insomnia*. Presented at 27<sup>th</sup> annual meeting of the Associated Professional Sleep Societies, Baltimore, MD.

*Hassan, A, Vallbhajosula, S., Zahodne, L.B., Bowers, D., Okun, M.S., Fernandez, H.H., Hass, C. (2013, June). Apathy, depression and postural instability in Parkinson disease: Related to a common pathophysiology*. Presented at the annual meeting of the International Parkinson Congress, Sydney Australia.

*Dietz, J., Bradley, M.M., Lang, P.J., Okun, M.S., Bowers, D. (2013, October). Psychophysiology of emotion in Parkinson's disease: from perception to action*. Presented at the annual meeting of the Society for Psychophysiological Research, Florence, Italy.

*Dietz Renfroe, J., Bradlely, M.M., Lang, P.J., Okun, M.S., Bowers, D.* (2014, February). Electrocortical correlates of preparation for action in parkinson disease: role of incentive motivation. Presented at the 42<sup>nd</sup> annual meeting of the International Neuropsychological Society, Seattle, Washington.

*LeMonda, B.C., Giles, K., Price, C. E., Marsiske, M, Okun, M. S., Bauer, R.M., & Bowers, D.* (2014, February). A Data-Driven approach to the classification of neurocognitive subtypes of Parkinson's Disease: Clinical correlations and relationship to MDS criteria. Presented at the 42<sup>nd</sup> annual meeting of the International Neuropsychological Society, Seattle, Washington.

*Lafo, J.A., Jones, J.D., Mangal, P., Okun, M.S., Price, C.P., Bauer, R.M., Bowers, D.* (2014, February). Visuoperceptual task impairments in Parkinson's disease: A pathway-specific association of executive function and memory? Presented at the 42<sup>nd</sup> annual meeting of the International Neuropsychological Society, Seattle, Washington.

*Jones, J.D., Mangal, P., Lafo, J.A., Okun, M.S., Bowers, D.* (2014, February). Mood and amotivation symptoms in parkinson patients with and without mild cognitive impairment (MCI): Comparison of 3 MCI classification approaches. Presented at the 42<sup>nd</sup> annual meeting of the International Neuropsychological Society, Seattle, Washington.

*Jones, D., Hass, C., Lafo, J., Mangal, P., Okun, M.S., Bowers, D.* (2014, February). The cognition index of the Parkinson's Disease Questionnaire-39: What does it really measure? Presented at the 42<sup>nd</sup> annual meeting of the International Neuropsychological Society, Seattle, Washington.

*Mangal, P., Jones, J., Lafo, J., Foote, K., Okun, M.S., Bauer, R.M., Bowers, D.* (2014, February). Cognitive and brain reserve in parkinson disease (PD): Predictors of cognitive changes over time Presented at the 42<sup>nd</sup> annual meeting of the International Neuropsychological Society, Seattle, Washington.

*Gravano, J., Kaufman, D.A., Sozda, C., Okun, M.S., Bowers, D., Perlstein, W.M.* (2014, February). Neurocognitive and emotional correlates of attentional networks in parkinson's disease. Presented at the 42<sup>nd</sup> annual meeting of the International Neuropsychological Society, Seattle, Washington.

*Lemonda, B., Giles, K., Peck, C.P., Bowers, D.* (2014, February). A case study of a patient with Susac Syndrome. Presented at the 42<sup>nd</sup> annual meeting of the International Neuropsychological Society, Seattle, Washington.

*Kaufman, D., Perlstein, W.M., Okun, M.S., van Pattern, R., Okun, M.S., Bowers, D.* (2014, February). Novelty processing and apathy in Parkinson's disease. Presented at the 42<sup>nd</sup> annual meeting of the International Neuropsychological Society, Seattle, Washington.

*Schwab, M., Tanner, J., Nguyen, P., Schmalfus, I., Bowers, D., Price, C.* (2014, June). Warning to Neuropsychologists Examining Structure-Function: Registration Matters. Presented at the annual meeting of the American Academy of Clinical Neuropsychology, New York City, NY.

*Bowers, D.* (2014, August). Laughter Elicited by Deep Brain Stimulation: Implications for Affective Neuroscience. Presented as part of Interdisciplinary Symposium, Laughter and Sociality: Integrating Evolutionary, Developmental, Cognitive, and Clinical Perspectives, Nancy Dress, organizer. Annual convention of the American Psychological Association, Washington DC.

Altmann, L., Stegemoller, E., Bowers, D., Okun, M.S., Hass, C.J. (2015, February). Effects of aerobic exercise intervention in Parkinson's disease. Presented at 43<sup>rd</sup> annual meeting of the International Neuropsychological Society, Denver CO.

Scott, B.M., Maye, J., Jones, J., Thomas, K., Trifilio, E., Hass, C., Marsiske, M., Bowers, D. (2015, February). Walking as a stressor in cognitively normal older adults: Post-exercise pulse pressure better predicts executive function than pre-exercise pulse pressure. Presented at 43<sup>rd</sup> annual meeting of the International Neuropsychological Society, Denver CO.

Scott, B. M., Strutt, A. M., Lundberg-Love, P. K., Schmitt, A. L., Trifilio, E. R., & Bowers, D. (2015, February). Comparison of psychogenic movement disorders patients with non-epileptic seizures vs. other hyperkinetic motor manifestations. Presented at 43<sup>rd</sup> annual meeting of the International Neuropsychological Society, Denver CO.

Wald, D., Jones, J.D., Cummings, T., Mikos, A., Rodriguez, R., Okun, M.S., Bowers, D. (2015, February). Is exercise more important for cognitive and mood functioning among Parkinson's disease patients than normal elderly? Presented at 43<sup>rd</sup> annual meeting of the International Neuropsychological Society, Denver CO.

Jones, J., Helpfrey, J., Thomas, K., Marsiske, M., Bowers, D. (2015, February submitted). Influence of everyday walking on cognition: Multilevel modeling results from the Village Interactive Training and Learning study. Presented at 43<sup>rd</sup> annual meeting of the International Neuropsychological Society, Denver CO.

Jones, J.D., Marsiske, M., Okun, M.S., Bowers, D. (2015, February). Latent growth curve analysis reveals worsening Parkinson's disease quality of life is driven by depression. Presented at 43<sup>rd</sup> annual meeting of the International Neuropsychological Society, Denver CO.

Lafo, J., Bowers, D., Marsiske, M., Marra, D., Thomas, K., Jones, J.D., Reynolds, B., Hass, H., Steindler, D., Bauer, R.M. (2015, February). Effects of combined cognitive training and physical exercise on spatial navigation and learning in older adults. Presented at 43<sup>rd</sup> annual meeting of the International Neuropsychological Society, Denver CO.

Mangal, P., Lafo, J., Okun, M.S., Bradley, M.M., Bowers, D. (2015, February). Emotional memory, the late positive potential, and Parkinson's disease. Presented at 43<sup>rd</sup> annual meeting of the International Neuropsychological Society, Denver CO.

Trifilio, E., Scott, B., Thomas, K., Jones, J.D., Marsiske, M., Bowers, D. (2015, February). Age related changes in apathy, but not anticipatory anhedonia in cognitively normal older adults. Presented at 43<sup>rd</sup> annual meeting of the International Neuropsychological Society, Denver CO.

Thomas, K.R., Marsiske, M., Jones, J.D., Reynolds, B., Steindler, D., Bowers D. (2015, February). Effects of Wii, aerobic exercise and cognitive interventions on older adults' self-evaluation of intellectual aging Presented at 43<sup>rd</sup> annual meeting of the International Neuropsychological Society, Denver CO.

Maye, J..... (2015, February). Relationships of pulse pressure and cognitive functioning in cognitively normal older adults in the VITAL study. Presented at 43<sup>rd</sup> annual meeting of the International Neuropsychological Society, Denver CO.

Butterfield, L., Jones, J., Thomas, K., Marsiske, M., Bowers, D. (2015, February).



Apathy and fatigue are better predictors of cognitive performance than other mood variables in a sample of healthy older adults. Presented at 43<sup>rd</sup> annual meeting of the International Neuropsychological Society, Denver CO.

Butterfield, L., Cimino, C., Salazar, R., Lee, C., Haley, W., Sanchez-Ramos, J., Bowers, D., Okun, M.S. (2015, February). The Parkinson's Active Living (PAL) Program: A Behavioral Intervention Targeting Apathy in Parkinson's Disease. Presented at 43<sup>rd</sup> annual meeting of the International Neuropsychological Society, Denver CO.

Hazamy, A., Altmann, Troche, M., Cowles, W, & Bowers, D. (2015, February). Emotional sentence processing in persons with Parkinson's disease. Presented at 43<sup>rd</sup> annual meeting of the International Neuropsychological Society, Denver CO.

Morishito,..... (2015, April). Interdisciplinary Deep Brain Stimulation Screening and the Relationship to Unintended Hospitalizations and Quality of Life. Paper to be presented at 67<sup>th</sup> annual meeting of the American Academy of Neurology, Washington DC.

Bowers, D., Sapienza, C., Rodriguez, R., Fernandez, H., Okun M.S. (2015, June). Unmasking the face of Parkinson disease. Immediate and 3 month followup from a randomized control behavioral intervention. International Congress of Parkinson disease and Movement Disorders, San Diego, CA.

Scott, B Scott, B. M., Strutt, A. M., Lundberg-Love, P. K., Schmitt, A. L., Trifilio, E. R., & Bowers, D. (2015, June). Psychogenic movement disorders: Are there neurocognitive differences between patients with non-epileptic seizures vs those with other hyperkinetic motor manifestations? International Congress of Parkinson disease and Movement Disorders, San Diego, CA.

Butterfield, L., Cimino, C., Salazar, R., Lee, C., Haley, W., Sanchez-Ramos, J., Okun, M.S., Bowers, D. (2015, June). A Behavioral Intervention Targeting Apathy in Parkinson's Disease: PAL. International Congress of Parkinson disease and Movement Disorders, San Diego, CA.

Wald, D., Jones, J., Cummings, T., Mikos, A., Rodriguez, R., Okun, M.S., Hass, C., Bowers, D (2015, June). Is Exercise More Important for Cognition and Mood in Parkinson's Disease Patients than Normal Elderly? International Congress of Parkinson disease and Movement Disorders, San Diego, CA.

### **INVITED TALKS**

Bowers, D. (1977) Differential Diagnosis - dementia vs. depression. Florida Society of Neurology. December 1977. Lake Buena Vista, Florida.

Bowers, D. (1979) Effects of hemispace on tactile laterality tasks. Invited talk, Department of Neurology, University of Oregon Medical Sciences. October 1979. Portland, Oregon.

Bowers, D. (1979) Hemispatial effects on laterality tasks. Invited talk, Department of Psychology, University of Victoria. October 1979. Victoria, British Columbia.

Bowers, D. (1980) Neuropsychological assessment of frontal-subcortical dementia. Florida Society of Neurology. December 1980. Daytona Beach, Florida.

Bowers, D. (1981) Color Agnosia. Florida Society of Neurology. December 1981. St. Petersburg, Florida.

Bowers, D. (1983) Neuropsychological assessment of memory in dementia. Florida Society of Neurology. November 1983. Sarasota, Florida.

Bowers, D. (1985) Disorders of memory. Florida Society of Neurology. November 1985. Sarasota, Florida.

Bowers, D. (1986) Neuropsychological distinctions among amnesic syndromes. Florida Society of Neurology. December 1986. Lake Buena Vista, Florida.

Bowers, D. (1987) Cognitive models of emotion. Florida Society of Neurology. December 1987. Lake Buena Vista, Florida.

Bowers, D. (1988) Frontal contributions to amnesia. Florida Society of Neurology. December 1988. Lake Buena Vista, Florida.

Bowers, D. (1989) Varieties of attention. Florida Society of Neurology. December 1989. Tampa, Florida.

Bowers, D. (1990) Assessment of Cognitive Function. Update on Dementia, UF Memory Disorder Clinic, February 90,

Bowers, D. (1990) Faces and gestures. Florida Society of Neurology. December 1990, Lake Buena Vista, Florida.

Bowers, D. (1991) Disorders of Temporal Memory. Florida Society of Neurology. Lake Buena Vista, FL, December 1991.

Bowers, D., (1992). Memory disorders following cortical and subcortical dementia. Paper presented at 17th annual course in Behavioral Neurology and Neuropsychology (Florida Society of Neurology and Center for Neuropsychological Studies), Lake Buena Vista, FL, December 1992.

Bowers, D. (1993). The cold cognitions of emotion. Paper presented at the 18th annual course in Behavioral and Neuropsychology (Florida Society of Neurology and Center for Neuropsychological Studies), Lake Buena Vista, FL, December 1993.

Bowers, D. (1995) Cortical contributions to emotion. Invited speaker, American Epilepsy Society. Washington, D.C., September 1995.

Bowers, D. (1995). Neuropsychology for the Speech/Language Pathologist. Invited speaker, American Speech and Hearing Association, Orlando, FL, December 1995.

Bowers, D. (1995). Neuropsychological Assessment of memory. 20th Annual course in Behavioral Neurology and Neuropsychology (Florida Society of Neurology and Center for Neuropsychological Studies), Orlando, FL, December 1995.

Bowers, D. (2001). The role of the amygdala in emotion. 26<sup>th</sup> Annual course in Behavioral neurology and Neuropsychology (Florida Society of neurology), Orlando, FL, December 2001.

Bowers, D. (2002). The assessment of emotion. 27<sup>th</sup> Annual course in Behavioral Neurology and Neuropsychology (Florida Society of Neurology), Orlando, FL, December.

Bowers, D. (2004). Emotional Changes in Parkinson's Disease. 2<sup>nd</sup> Annual UF Parkinson's Disease Update, McKnight Brain Institute, Gainesville, FL

Bowers, D. (2005). Assessment of Emotion and Mood In Parkinson's Disease. 30<sup>th</sup> Annual course in Behavioral Neurology and Neuropsychology (Florida Society of Neurology), Orlando, FL., December.

Bowers, D. (2008). Assessment of Emotion and Mood In Parkinson's Disease. 30<sup>th</sup> Annual course in Behavioral Neurology and Neuropsychology (Florida Society of Neurology), Orlando, FL., December.

Bowers, D. (2008) Neurology Grand Rounds

Bowers, D. (2009). Neuropsychiatric and Cognitive Complications of Parkinson's Disease. Allied Team Training for Parkinson (ATTP), National Parkinson Foundation, September 29, 2009.

Bowers, D. (2010) Emotional Aging and Mood in Older Adults. Annual Course in Behavioral Neurology and Neuropsychology, Florida Society of neurology, Orlando, FL, October 1, 2010

Bowers, D. (2011, October). The Role of Neuropsychology in Dementia. Featured speaker, Affair to Remember, The Village, Gainesville, FL

Bowers, D., (2012). Startling Facts about Emotion and Cognition in Parkinson Disease. Invited Address, American Psychological Association, Division 40, Annual meeting of American Psychological Association, Orlando, FL, August 2012.

Bowers, D. (2013, April) Improving memory in Parkinson Disease: Top 10 tips. Presented at 11<sup>th</sup> annual Parkinson Day Symposium for Patients and Caregivers, UF, Gainesville Florida.

Bowers, D. (2013, October). Neuropsychology of Memory and Movement. Presented at 4<sup>th</sup> Annual Case Management Symposium, Mission Inn, FL

Bowers, D. (2014, April). Brain Health: Memory and Motivation – prevention and intervention. Presented at 12<sup>th</sup> Annual Parkinson's Disease Symposium for Patients, Caregivers, and Providers, University of Florida, Gainesville, FL.

### **INVITED WORKSHOPS**

Bowers, D. Bauer, R., E. Fennell (1981): Workshop in Neuropsychological Assessment. A pre-convention workshop of the 7<sup>th</sup> Annual Course in Behavioral Neurology and Neuropsychology. Florida society of neurology, December 3, 1981. St. Petersburg, Florida.

Bowers, D., R. Bauer, Fennell, E., and Rothi, L. (1983): Introductory Workshop on Neuropsychological Assessment". A pre-convention workshop of the 11<sup>th</sup> annual meeting of the International Neuropsychology Society. Mexico City, Mexico DF February 3, 1983.

Bowers, D. and Bauer, R. (1983): Workshop on "Neuropsychological Assessment of Memory". A pre-convention workshop of the 9<sup>th</sup> Annual Course in Behavioral neurology and Neuropsychology. Florida Society of Neurology: November 16, 1983. Sarasota, Florida.

Bowers, D., and Bauer, R. (1991) Seminar series on "Emotions and the Brain". Sponsored by Cortext, October-November 1991, Miami, Tampa, St. Petersburg, Orlando, Jacksonville, FL.

Bowers, D., and Bauer, R. (1994) Seminar series on "Emotions and the Brain". Sponsored by MindMatters, March 1993, Houston, Dallas, Austin, San Antonio, Tx.

Bowers, D. (1997). Neuropsychology of Emotion. Houston Neuropsychological Society. Baylor School of Medicine. Houston, TX. September

### **HONORS AND AWARDS**

Valedictorian, Marianna High School, 1968

Emory University Academic Scholarship, 1968-1970

Highest Honors in Psychology, University of Florida, 1972

UF Foundation Research Professor, 2006-2009

Nominee, UF Doctoral Dissertation Supervisor Award, 2009

Nominee, Paul Satz Mentoring Award (INS), 2011

Board of Governors, International Neuropsychological Society, 2012-2015

Fellow, Division 40, American Psychological Association, 2012

Board Certification in Clinical Neuropsychology, American Board of Professional Psychology (ABPP), 2013

Fellows Selection Committee, Division 40, American Psychological Association, 2013-

2014 Paul Satz Career Mentoring Award, International Neuropsychology Society, February 2014

2014 Edith Kaplan Award, Massachusetts Neuropsychological Society, Boston, October

2015 Audrey Shumacher Teaching Award, Dept. of Clinical & Health Psychology, University of Florida, 2015

2015 Research Mentoring Award, Department of Clinical & Health Psychology, University of Florida

2015 Dissertation Mentoring Award, College of Public Health and Health Professions, University of Florida

### **EXTRAMURAL SERVICE**

Grant Reviewer

Ad hoc member, Merit Review for VAMC Western Division, 1992

Member, VA Merit Review Mental Health and Behavioral Science Subcommittee, 1995-1998

Ad hoc reviewer, Clinical Neuroscience Special Review Group, National Institutes of Mental Health, 1994.

Ad hoc Reviewer, NINDS Special Review Group of Center grants National Institutes of Health, Fall 1994, Fall 1995

Ad hoc Reviewer, Minority Research Infrastructure Support Program (MRISP), Special Review Group, 1999-2002.

Biobehavioral Mechanisms of Emotion, Stress, and Health (MESH) Review Group, National Institutes of Health, 2004-

Ad hoc Reviewer, Special Emphasis Panel (SRG 2006/01), Cognition & Perception, NIMH, February 2005

Ad hoc Reviewer, Special Emphasis Panel, Brief Start Review Program, NIA/NIH. February 2006.

Ad hoc Reviewer, Special Emphasis Panel (ZRR1 BT-8 01), NIH, Interdisciplinary Research Consortium, August 2006

Ad hoc Reviewer, ADPA, 2009-2011

Ad hoc Reviewer, Special Emphasis Panel, Clinical and Imaging Translations Study Section [ZRG1 DTCS Y(81)], 2012

Ad hoc Reviewer, LRP, April 2012

Ad hoc Reivewer, Merit Review Panel for Mental Health and Behavioral Sciences – B (MHBB) Department of Veterans Affairs, 11/ 2012

Member, NIH SBBIR 2013/01 ZRG1 ETTN-K (10) B – Small Business: Clinical Neurophysiology, Devices, Neuroprosthetics, and Biosensors 2012-

Member, Merit Review Panel for Mental Health and Behavioral Sciences – B (MHBB), Joint Biomedical Laboratory Research and Development (BLR&D) and Clinical Science Research and Development (SCR&D). Department of Veterans Affairs, 2013-2017.

Editorial

Editorial Board, The Clinical Neuropsychologist  
Journal of International Neuropsychology Society  
Neuropsychology

Reviewer

Assessment  
Behavioral and Brain Science  
Brain  
Clinical Neuropsychologist  
Cortex  
Emotion

Journal of Abnormal Psychology  
 Journal of Experimental and Clinical Neuropsychology  
 Journal of International Neuropsychology Society  
 Lancet  
 Movement Disorders  
 Neurocase  
 Neurology  
 Neuropsychology  
 Neuropsychologia  
 Parkinsonism and Related Disorders

Other

Fellows Committee, Division 40 (Neuropsychology), American Psychological Association, 2013-

Board of Governors, International Neuropsychological Society, 2012-2015

Chair, Committee on Historical Contributions, International Neuropsychological Society, 2008-2009

Mentor, Women in Neuropsychology (WIN), APA Division 40, 2000-present

Awards Committee, International Neuropsychology Society, 2005-Ongoing

Continuing Education Committee, International Neuropsychology Society, 1993-1998

Program Committee, International Neuropsychology Society, 1986, 1991, 1996, 2004, 2008, 2013

Program Committee, American Psychological Society, 1995

Judge and Director, Behavioral Science Section, State of Florida Science Fair, 2000

Judge, Behavioral Science Section, Alachua County Science Fair, 1995

Judge, Behavioral Science Section, State of Florida Science Fair, 1992

**UNIVERSITY SERVICE**

Chair Search Committee, College of Public Health and Health Professions, Chair: Linda Cottler, Fall 2014-

Chair, Faculty Council, College of Public Health and Health Professions, 2012-2013; Member 2009-current

Steering Committee, UF Neurorehabilitation Program Development, January 2013 -

Vice Chair, Faculty Council, College of Public Health and Health Professions, 2011-12; Member 2009-2011

Chair Search Committee, College of Public Health and Health Professions, Chair: Stephanie Hanson, Fall 2010-June 2011

Faculty Search Committee, College of Public Health and Health Professions, Chair: Stephanie Hanson, Spring 2010.

Faculty Search Committee, College of Health and Human Performance, Chair: Chris Janelle, Fall 2010-Spring 2011.

Faculty Search Committee, College of Health and Human Performance, Chair: Jim Carraugh, Fall 2009-Spring 2010

Faculty Search Committee, Department of Neurology, College of Medicine, Chair: Michael Okun, Fall 2009-Spring 2010

Opportunity Fund Biomedical Review Committee, 2008

Florida Cares Program, 2004- ongoing

University Task Force, Revision of criteria for New Undergraduate Degree Programs, June 2002-October 2002

Graduate Council, University of Florida, 1999-2002

Graduation Marshal, University of Florida, 1999-2001

Health Science Center Institutional Review Board, 1995-1997

Space Design Committee, McKnight Brain Institute, 1993-1995

University of Florida Senate, 1987-1989

Florida Foundation of Future Scientists, Participating Faculty

Advisor, Interdisciplinary Studies Majors in Neurobiology/ Cognitive Neuroscience

Center for Precollegiate Education and Training, advisor

National Science Foundation Summer Institute in Neurobiology,

### **DEPARTMENTAL SERVICE**

Executive Committee: 2011-ongoing

Chair, Faculty Mentoring Committee (Dr .Dotson), 2011-ongoing  
Member, Faculty Mentoring Committee (Dr. Dotson), 2010-2011

Curriculum Committee, 2009-2011

Clinical Operations Group, 2006 ongoing

Neuropsychology Area Head, 2006-ongoing  
 Director, Clinical Neuropsychology Post-doctoral Program 2005-  
 Graduate Student Admissions Committee, 1998-2003, 2004-2006,  
 2009, 2011-12, 2013-14  
 Psychology Clinic Team Leader, 1999-2002  
 Psychology Clinic Marketing Committee, 2001  
 Representative, Multidisciplinary Epilepsy Management Team,  
 2000-2008  
 Faculty mentor, Interdisciplinary Family Health program, 2003-4  
 Member, Faculty Mentoring Committee (Dr. Moore), 2003-2004,  
 Chair, Search Committee, Neuropsychology Faculty Position  
 2005  
 Chair, Faculty Mentoring Committee (Dr. Price), 2005-  
 Co-Chair, Neuropsychology Workgroup, 2005-2006  
 Member, Clinical Science Workgroup, 2005-2006  
 Member, Internship Review Workgroup (Guenther), 2007  
 Member, Internship Workgroup (Waxenberg), 2006

## **UNIVERSITY ORGANIZATIONS**

Center for Neuropsychological Studies, Founding Member,  
University of Florida, 1985-present

University of Florida Brain Institute, Charter Member, 1990-

College of Medicine Women Faculty Association, Charter  
Member, 1992-1998

Neural Program for Signal Transduction, Neuroplasticity & Drug  
Discovery, Charter member, 1995-1998

Institute of Aging, University of Florida, 1999-

Movement Disorders Center, 2003-present

## **TEACHING**

### **Undergraduate**

Introduction to Neuropsychology (1980)  
 Undergraduate Research (Psy 3911, CLP 3911, HP4905)

### **Graduate**

Neuropsychological Disorders in Aging (1999)  
 Neuropsychological Assessment (2000, 2002, 2004, 2006, 2010,  
 2012, 2014)  
 Experimental Methods in Neuropsychology (2001, 2003)  
 Neuropsychology Symposium (2001, 2003)  
 Practicum in Neuropsychology, 1998-present  
 Advanced Practicum in Neuropsychology, 1998-present  
 Human Brain Function, 2010, 2012, 2014



**RESEARCH SUPERVISION**

<b>Post-Doctoral</b>	<p>Supervision of Post-Doctoral Research Fellows in Behavioral Neurology Research Laboratory, Center for Neuropsychological Studies, Department of Neurology, 1980-1998.</p> <p><i>Approximately 55 post-doctoral fellows were co-mentored over an 18 year period by Ken Heilman (neurologist) and myself. This occurred as part of a multidisciplinary training program that included M.D.'s and Ph.D.'s (neurology, neuropsychology, cognitive psychology, psychiatry, speech pathology) from the U.S.</i></p> <p>Supervision of Post-Doctoral Neuropsychology Research Fellows in Cognitive Neuroscience Laboratory, McKnight Brain Institute, Clinical &amp; Health Psychology, University of Florida, 1999-</p>
<b>Graduate</b>	Masters and Doctoral Committees: Total >80
<b>Undergraduate</b>	<p>Major Advisor, Psychology Honors Theses: 9</p> <p>Major Advisor, Interdisciplinary Studies in Neurobiological Sciences: 15</p> <p>Major Advisor, Honors in Health Science: 3</p> <p>Major Advisor, University Scholars: 6</p>
<b>Other:</b>	Medical Student and Resident Training in Neuropsychological Assessment

**CHAIR, DOCTORAL COMMITTEE\***

(Faculty member in Neurology until 1998, transition to CHP July 1998)

Sue Williams, Ph.D. (1985)  
Dissertation: *Hemisphere-VHF Asymmetries in Normal Adults*

Cynthia Cimino, Ph.D. (1988)  
Dissertation: *Attentional/Tactile asymmetries*  
Internship: Brown University  
Post-doc: Brown University  
Current Position: Associate Professor, U. South Florida

Elena Balzac, Ph.D. (1993)  
Dissertation: *Suboptimal exposure of emotional stimuli across the visual fields*  
Internship: Baylor College of Medicine  
Post-Doc: Houston VAMC  
Current Position: Private Practice, Brooklyne, MA

Beth Slomine, Ph.D. (1995)  
Dissertation: *Hemispheric differences in emotional psychophysiology; a stroke model*  
Internship: Boston Consortium/Harvard University  
Post-doc: Philadelphia Geriatric Center  
Current Position: Associate Professor, Johns Hopkins University, Director of Training and Rehabilitation Services, Kennedy Krieger

Charles Richardson, Ph.D. LLB (1996)

Dissertation: *Digitizing the face: dynamic expression asymmetries*  
 Internship: McClean/Harvard Medical School  
 Other: University of Virginia Law School  
 Current Position: Health care atty; Baptist Hospital, Jacksonville, FL

Miles Rogish, Ph.D. (2003)  
 Dissertation: *Depression and Social Support in Epilepsy*  
 Internship: Tampa VAMC  
 Post-doc: University of Florida  
 Current Position: Team director, York National Rehabilitation Hospital, England  
 & Lecturer, University of Durham

Otto Pedraza, Ph.D. (2004)  
 Dissertation: *Taxonomic Analysis of Neuropsychology of Malingering*  
 Internship: Emory University  
 Post-Doc: Mayo Clinic, Jacksonville, FL  
 Current Position: Assistant Professor, Mayo Clinic (K23 awardee)

Gregg Selk, Ph.D. (2005)  
 Dissertation: *Startle reactivity in ADHD*  
 Internship: Brown University  
 Post-Doc: University of Florida  
 Current Position: Clinical Assistant Professor, Brown University

Kimberly Miller, Ph.D. (2009)  
 Dissertation: *Psychophysiology, Parkinson's Disease and the Amygdala*  
 Internship: University of Florida  
 Post-doc: Martinez VAMC  
 Current Position: Staff Psychologist

Lindsey Kirsch-Darrow, Ph.D. (2010)  
 Dissertation: *Multivariate Approach to Apathy, Neurocognition, and Parkinson Disease*  
 Internship: University Alabama, Birmingham, 2009-2010  
 PhD.: August 2010  
 Post-Doc: Johns Hopkins University, Rehabilitation Medicine  
 Current Position: Rehabilitation Neuropsychologist, Walter Reed Medical Services,  
 Bethesda, MD

Utaka Springer, Ph.D. (2010)  
 Dissertation *Essential Tremor- Paradoxical Visuospatial Cognition*  
 Internship: Martinez VA  
 Ph.D.: August 2010  
 Post-Doc: UC-Berkeley  
 Current: Research Associate, Berkeley; and Clinical Director of Behavioral  
 Health, Community Wellness Department, Native American Health  
 Council, San Francisco

Ania Mikos, Ph.D. (2010)  
 Dissertation: *Verbal Fluency Declines following DBS: computational modeling*  
 Internship: Brown University, 2009-2010  
 Ph.D: August 2010  
 Post-Doc: Brown University  
 Current: Lecturer, University of Zurich, Switzerland

Laura Zahodne, Ph.D.

Dissertation : *Depression in Parkinson Disease: Affective Chronometry , Psychophysiology, and Anticipation*

Internship: Brown University, 2011-2012

Ph.D. August 2012

Post-Doc: Columbia University (Y. Stern/J. Manley), T32 Fellow

Current: Assoc Research Scientist, Dept. Neurology, Taub Institute, Columbia University (recipient of K-R99, 2014-2019)

Daniel Kay, Ph.D.

Dissertation: *Sleep and Cognition in Parkinson Disease*

Internship: University of Mississippi, 2012-2013

Ph.D.: August 2013

Post-doc University of Pittsburgh, T32 post-doctoral training program

Jenna Dietz Renfroe, Ph.D..

Master's: *Pupils, Emotion and Parkinson's Disease*

Dissertation : *Psychophysiology of Emotion in Parkinson Disease: Electrocortical Correlates of Emotion Perception, Preparation for Action, and Anticipation*

Internship Boston VAMC

Ph.D. December 2014

Post-Doc Medical University of South Carolina and VAMC, Charleston

### **CURRENT GRADUATE STUDENTS**

Jacob Jones, M.S. (2010-

Master's Thesis: *Health Comorbidities, Cognition, and Parkinson Disease*

Dissertation (in progress):

Jacob Lafo, M.S. (2012 - )

Masters: *Emotion regulation in older vs younger adults: an ERP study*

Paul Mangal, M.S. (2012- )

Masters: *Electrocortical correlates of emotional memory in Parkinson disease*

Erin Trifilio, B.S. (2014-

Masters: To be determined

Bonnie Scott, M.S., (2014 –

Dissertation: To be determined

### **CHAIR, MASTERS COMMITTEE**

Cynthia Cimino, 1985

Karin McCoy, 1999

Gregg Selke, 2001

Kim Miller, 2004

Utaka Springer, 2005

Lindsey Kirsch Darrow, 2005

Ania Mikos, 2006

Ida Kellison, 2006  
 Laura Zahodne, 2008  
 Anne Nisenzon, 2008  
 Beata Ferencz, 2009  
 Jenna Dietz, 2010  
 Liz Jordan, 2010  
 Jacob Jones, 2012  
 Paul Mangal 2014  
 Jacob Lafo 2014  
 Erin Trifilio 2015

#### **MEMBER, DOCTORAL COMMITTEE**

Cathy Williams, Ph.D.	CHP, 1984
Paul Haerich, Ph.D.	Psychology, 1989
Sigrid Rogers, Ph.D.	CHP, 1986
Philip Hangar, Ph.D.	CHP, 1987
Marcia Graham, Ph.D.	CHP, 1988
Ellen Spence, Ph.D.	CHP, 1992
Travis White, Ph.D.	CHP, 1992
Elizabeth Garner, Ph.D.	Psychology, 1997
Mark Eckert, Ph.D.	Neuroscience, 1998
Joe Sadek, Ph.D.	CHP, 2000
Sarah Kortenkamp, Ph.D.	CHP, 2000
Patches Johnson, Ph.D.	Statistics, 2001
Jason Demery, Ph.D.	CHP, 2004
Michael Larson, Ph.D.	CHP
Rebecaa Jump, Ph.D.	CHP
Karin McCoy, Ph.D.	CHP
Paul Seignourel, Ph.D.	CHP
Hope Benefield, Ph.D.	CHP
Paul Wright, Ph.D.	Neuroscience, 2009
Kelly Gamble/Naugle, Ph.D.	HHP, 2011
Gila Reckess, Ph.D.	CHP, 2011
Ann Nisenzon, Ph.D.	CHP, 2011
Sandra Mitchell, Ph.D.	CHP, 2011
Joe Dzerski	CHP, 2012
Jared Tanner, M.S.	CHP, 2013
Callie Dunn, M.S.	CHP, active
Kelsey Thomas, M.S.	CHP, active
Stacy Maurer, M.S.	CHP, active
Chris Sege, M.S.	CHP, active
Audrey Harmazy, M.S.	SLA, active
Sarah Szymkowic, M.S.	CHP, active
Rob Henderson, M.S.	CHP, active
Jackie Maye, M.S.	CHP, active
Justin	Neuroscience, active (MD/PhD)

#### **MEMBER, MASTERS COMMITTEE**

Mary Morris	CHP, 1984
Travis White	CHP, 1989
Philip Hangar	CHP, 1989

Randi Lincoln	CHP, 1990
Carrie McDonald	CHP, 1999
Chris Loftis	CHP, 1999
Lisa Meltzer	CHP, 1999
Karen Bearss	CHP, 1999
Kimberly Justice	CHP, 1999
Stephani Marhefka	CHP, 1999
Stephan Anton	CHP, 1999
Korey Hood	CHP, 2000
Tom Sheod	CHP, 2000
Elizabeth Leritz	CHP, 2000
Rebecca Papas	CHP, 2000
Brendan Rich	CHP, 2000
Shalonder Slater	CHP, 2003
Paul Seignourel	CHP, 2003
Andrew Preston	CHP, 2003
Neha Dixit	CHP, 2003
Adam Hirsch	CHP, 2004
Karen Chung	CHP, 2004
Kelly Obrien	CHP, 2004
Laura Schoenfield	CHP, 2004
Melanie Fernandez	CHP, 2004
Sarah Cook	CHP, 2004
Adrienne Aiken	CHP, 2004
Kristen Marciel	CHP, 2004
Jason Gravano	CHP, 2012
Joshua Kirton	CHP, 2012
Kelsey Thomas	CHP, 2012
Nadia Bhuyian	CHP, 2012
Kristen Sanderson	CHP, 2012
Christopher Sege	CHP, 2012
Carmen Edwards	CHP, 2012
Loren Hize	CHP, 2015
Asken Breton	CHP, 2015
Elizabeth Kizel	CHP, 2015
Molly Sullan	CHP, 2015
Kendra Krietsch	CHP, 2015

### **T32 MENTORING COMMITTEES**

#### **Chair**

Utaka Springer	ChP, 2007-2009
Laura Zahodne	CHP, 2009-2011
Daniel Kay	CHP, 2012-2013
Paul Mangal	CHP, 2013-

#### **Member**

Sarah Cook	CHP,
Adrienne Aiken	CHP,
Joe Drzerski	CHP,
Kelsey Thomas	2011

**Visiting Foreign Scholars**

Beata Ferencz

2009-2010

U. Mastrich,

**MARC Undergrad Visiting Scholars**

K. Schoenfeld

Summer 2009

Wake Forest

**CLINICAL NEUROPSYCHOLOGY POST-DOCTORAL ASSOCIATES**

Danielle Wald, PsyD	2013-	
Tiffany Cummings, PsyD	2013-	
Caleb Peck, PsyD.	2011 -2013	Staff, Institute for Living, Hartford, CT
Michelle Prosjje, Psy.D.	2009-2011	Staff, Brooks Rehabilitation,
Michelle Keiski, Ph.D.	2007-2009	Clinical Asst. Prof UF
Christian Dow, Ph.D.	2007-2009	Staff Psychologist, VAMC
Laura Howe, Ph.D., J.D.	2005-2007	Staff Psychologist, Palo Alto, VAMC
Ashton Anderson, PsD.	2005-2007	Private practice, Adjunct UNC
Barry Skoblar, Psy.D.	2005-2007	Private practice, Adjunct UNC
Mabel Lopez, Ph.D.	2005-2006	Private practice, Bradenton, FL
Miles Rogish, Ph.D.	2002-2003	Rehab Center, York, England

**UNDERGRADUATE MENTEES & Status**

Undergraduate Mentee		Year Grad	Post-Grad	Project	Current position
Melissa Glantz, M.D.	Honors	1990	UF COM	Autobiographic memory	Radiology, Gainesville, FL
LisA Eyler, Ph.D.	Honors	1991	U Penn	Facial emotion	Assoc Prof, UCSD,
Miles Ardaman, M.D.	IDS/UF	1995	Vanderbilt	Attentional asymmetry	Psychiatrist, Ashville, NC
Timothy Lucas, M.D.	RA	1996	UF COM	volumetrics	Neurosurgeon
Robert Chaskes DO	IDS/UF	1996	NOVA SE	Olfaction in epilepsy	Internal Medicine, Miami
Brad Stearns, M.D.	IDS/Neuro	1996	US COM	volumetric amyg asymm in TLE	ER physician, Atlanta GA
Daniel Schaeffer, MD	UF	1996	UF COM	emotion startle & epilepsy	Anesthesiology
Chris Delisle, DO	Summer NIH	1997	NOVA SE	Hippocampal volumetrics PD	Internal Medicine, Savannah GA

Kelvin Vidale	Summer NIH	1997	Indiana U. School of law	Memory-Volumetrics	Attorney
Michelle Simmons, Ph.D.	IDS	1997	UF Psych	TLE emotion	Consultant Microsoft
Jeanine Sparks, Ph.D.	Summer NIH	1998	Buffalo SUNY	mood and memory	Asst Prof
Carmen Peden MD/PHD	IDS	2000	UF COM	masked faces in PD	OB-GYN, Gainesville, FL
Jennifer Medina, Ph.D.	Honors/Psy	2000	Northwestern (PhD in Clin Psych)	emotional memory	Faculty & clinician Northwestern
Ashis Desai, B.S.	Honors	2000		Gender, emotion, face asymmetries	Consultant, Deloitte & Touche
Dianne Harrell, M.D.	Honors	2002	UF COM	adhd emot	Pediatrician
Wendolyn Bosch, M.D.	IDS	2002	UF COM	Parkinson and emotion	Fellow, Tropical Disease, Mayo Clinic
Mary Hamby, Ph.D.	Honors	2003	Rutgers	startle modulation semantics	Post-Doc, UCLA
Anyika King, Ph.D.	RA	2004	NOVA SE	Face digitizing-NIH	Grad student
Diedre Pachman, MD	IDS	2004	UF COM	mood and memory	Oncology Fellow, Mayo Rochester
Harvey Montijo, MD	Honors	2005	Duke Medical	nback in PD	Resident, Orthopedic Surgery
Tam Gober, MS	RA	2006	U. Washington	emotional semantics	Grad student
Shannon DeMaio, M.S.	RA	2006	Hofstra	face priming	Msmt Speclist, NYC
Mary Wood, MD	Honors/IDS	2006	UF COM	volumetric reliability	Radiology Resident
John McGetrick, MD	UF Honors	2006	U Chicago COM	emotion perception	Resident, neuro
Alexandra Rosas, MD	UF honors	2006	USF COM	emotional perception	Resident, internal medicine
James Norton, BS	UF	2007	Business	Face digitizing-NIH PD	Business
Johns Abraham, BS	UF IDS	2007	FSU COM	Face digitizing-NIH PD	Resident

Amanda Fogel, PA	Honors	2007	UF	DBS satisfaction	Physician Asst, USF
Mike Syme,BS	Honors	2008	NIH/ FIU Med	Face digitizing- NIH PD	Intern/Residencyt
Taylor Kuhn,BS	Honors	2009	UF CHP	mental rotation in PD	Post-Doc (UCLA)
Joshua Troche,BS	Honors	2009	UF Speech	SOPT in PD	Grad Student
Jennifer Goetz, BS	IDS/Honors	2009	UF COM	Autonoimc and mood in PD	Psychiatry Resident, Harvard/MCH
Karen Schoenfield	Summer MARC	2009	Wake Forest	positivity effect	Marc Scholar
David Ramski	RA	2009	Georgetown	Face digitizing	Residency
Heather McKentley,BS	Honors/Valedictorian	2010	BRRC, UF	Memory in PD	Imedical school (UCF)
Mila Borodoskaya	Honors/IDS	2010	Northwesten	Sleep PD	Internship
Tara Baun	HHScholar			emotion ERP	Med School
Jessica Hunter	HP Honors	2012	VA	Emotion mem	???
Kerry Hyman	IDS/UF	2012	NIH Bethesda	Emotion ROF college	NIH IRTA
Diemunsch,Natacha L	HP Honors	2012	UF PA school	Sleep and PD	UF PA school
Yereniss Murillo	HP Honors	2014	UF OT School	Emotion Regularion -PD	UF OT grad school
Jessica Helphrey	UF Psychology	active	undergrad	NIH examiner	
Alexandra Ctorsan	UF Undergrad	Active	Undergrad	NIH Examiner	

### AWARDS to POST-DOC, GRADUATE, AND MEDICAL STUDENTS

# Awardees	Type Award	Recipient (s)
1	NIH Post-doctoral NRSA (F32-AG021363);	C. Price, Ph.D.
1	NIH/NINDS Post-doctoral Minority Supplement;	M. Lopez, Ph.D
1	Smith Fellowship in Neuroscience Research , Mayo Foundation Post-doctoral award	O. Pedraza, Ph.D
4	NIH Predoctoral F31 NRSA's (NIMH & NINDS)	Greg Selk, Kim Miller L. Kirsch Darrow, J. Dietz
2	T32 Training Fellowship in Cognitive Aging	U. Springer, L. Zahodne, P



	(T32-AG020499 ); predoctoral	Mangal , Kay
7	APA Benton Meier Neuropsychology Award (Division 40) excellence in neuropsychology)	K. Miller, U. Springer, A. Mikos L. Kirsch-Darrow, L. Zahodne, J. Dietz, J. Jones
3	APA (Division 20/40) Walter McMillen Memorial Award in Parkinson Disease Research	A. Mikos, L. Zahodne, J. Dietz
2	American Neuropsychiatric Association Young Investigator Award	L. Kirsch-Darrow, L. Zahodne
3	“Scientific Highlight” awards American Academy of Neurology for poster-paper presentations	I. Kellison, Kirsch-Darrow, L. Zahodne
3	Scholarship, Advanced Psychometrics Methods Workshop in Cognitive Aging, U. Washington, Friday Harbor Laboratories,	U. Springer, L. Kirsch Darrow L. Zahodne, J. Jones
2	Evelyn Smith INS international travel award; 6-week course “Neuropsychology Across the Lifespan” institute, Xylocastro, Greece, 2006	U. Springer, L. Kirsch-Darrow
3	Movement Disorders Society travel award, Parkinson Study Group research symposium	A. Mikos, L. Zahodne L. Kirsch-Darrow
1	APA, Division 40, Student Research Award for “evidence based neuropsychological practice”	Jacob Jones
2	APA Dissertation Research Awards	M. Rogish, B. Slomine
2	Bryan Robinson Endowment for Neuroscience Research award	B. Slomine, L. Zahodne
1	Kosciuszko Foundation Tuition Scholarship	A. Mikos
1	Master’s thesis featured by APA monitor on Science	L. Kirsch-Darrow
6	Robert & Phylis Levitt Neuropsychology Research Award	L.Kirsch-Darrow, U. Springer A. Mikos, L. Zahodne, J. Dietz, J. Jones
5	Clinical & Health Psychology Research Excellence Award	L. Kirsch-Darrow, A Mikos U. Springer, L. Zahodne, J. Dietz
13	UF Graduate Student Council, Travel Awards	Rogish, Slomine, Selke, Kellison Pedraza, Mikos, Miller, Springer Kirsch-Darrow, Dietz, Jones Nisenzon, Jordan, Lafo, Mangal, Jones
1	APA (Division 41) American Psychology-Law Society, Grants in Aid	O. Pedraza
1	Officer (secretary), Association for for Neuropsychology Students in Training, APA (Division 40),	O.. Pedraza

1	Student member, Cultural and Diversity Task Force, National Academy of Neuropsychology	O. Pedraza
7	Public Health and Health Professions Research Poster Awards	J. Dietz, U. Springer, L., A. Mikos Zahodne, L. Kirsch- Darrpw, Jones, Dietz
1	Florida Society of Neurology Travel Fellowship Award	A. Mikos
1	Judson A. Clements Jr. Memorial Scholarship for Professional Development and Community Service	L. Zahodne
1	Best Fall Symposium presentation	L. Zahodne (2006)
5	Medical student Summer Research Awards	J. Goetz, J. Pavon, J. Young J. Graf-Radford, A. Smith

### **Undergraduate Awardees**

1	1 <sup>st</sup> place national winner of Psi Chi/J.P Guilford Undergraduate Research Award for best research paper research paper,	J. Medina
1	2 <sup>nd</sup> place national winner of Psi Chi/Alyn Bacon Undergraduate Research Award-r best overall empirical study,	K. Delisle
5	University Scholars Research Awards	Desai, Bosch, Montijo, Fogel Goetz
9	Honors in Psychology	Medina, Chaskes, Hamby, Troche Kuhn, Goetz, Desai, Glantz, Ardamon,
15	Honors in IDS (Interdisciplinary Studies in Neurobiology )	Ardaman, Bell, Socarres, Stearns, White, Smith, Grey, Glantz, Peden, Wood, Goetz, Bosch, Bogoroski, Hyman
5	Honors in Health	Fogel, Montijo, Hunter , Diemunsch
1	Howard Hughes Summer Research award	Braun

### **CLINICAL POST-DOCTORAL SUPERVISION**

#### **Coordinator, Neuropsychology Clinical Post-doctoral Program (2005-ongoing)**

<b><i>Current &amp; Previous Clinical NP Post-Docs</i></b>	<b>Outcome</b>
Tiffany Cummings, PsyD. 2013-2015	ongoing
Danielle Wald, PsyD.. 2013-2015	ongoing

Caleb Peck, PsyD.	2011 -2013	Staff, Institute of Living, Hartford, CT
Michelle Prosjje, Psy.D.	2009-2011	Staff, Brooks Rehabilitation; then private practice
Michelle Keiski, Ph.D.	2007-2009	Research Asst Prof, Indiana U
Christian Dow, Ph.D.	2007-2009	Staff Psychologist, VAMC
Laura Howe, Ph.D., J.D.	2005-2007	Staff Psychologist, Palo Alto, VAMC
Ashton Anderson, PsyD.	2005-2007	Private practice, Adjunct UNC
Barry Skoblar, Psy.D.	2005-2007	Private practice, Adjunct UNC
Mabel Lopez, Ph.D.	2005-2006	Private practice, Bradenton, FL
Miles Rogish, Ph.D.	2002-2003	Rehab Center, York, England Lecturer, U. Durham