

CURRICULUM VITA

Dawn Bowers, Ph.D., ABPP/CN

CONTACT INFORMATION

Business Address: University of Florida
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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.)

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| 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

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| 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 & 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*. 1st 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. 2nd 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.

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Letter To Editor

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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 30th 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 30th 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 30th 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 54th 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 32nd 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 32nd 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 31st 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 31st 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 31st 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 31st 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 31st 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 31st 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 17th 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 33rd 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 32nd 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 32nd 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 32nd 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 32nd 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 56th 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 56th 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 9th 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 18th 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 18th 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 58th 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 58th 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 33rd 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 33rd 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 33rd 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 33rd 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 33rd 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 33rd 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 33rd 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 33rd 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 57th 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 57th 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 19th 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 34th 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 34th 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 34th 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 34th 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 34th 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 34th 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 34th 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, 34th 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*. 35th 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*, 60th 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*. 36th 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*. 36th 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*. 36th 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*. 36th 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*. 36th 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*. 36th 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*. 36th 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*. 36th 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 Psychophysiologic 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 12th 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. 37th 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. 37th 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 37th 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*. 37th 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*. 37th 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*. 37th 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?* 37th 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*. 37th 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*. 37th 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) 61st 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*. 61st 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*. 61st 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*. 23rd 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 23rd Annual Symposium on Etiology, Pathogenesis, and Treatment of Parkinson's Disease and Other Movement Disorders, Baltimore, MD (Abstract: Movement Disorders, 24, S481, Supp.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*. 38th 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*. 62nd 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*. 62nd 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*. 62nd 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*. 62nd 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*. 62nd 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 62nd 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 62nd 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 62nd 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 62nd 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 62nd 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 62nd 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. 14th 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. 14th 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 39th 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 39th 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 39th 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 4th decade: A female carrier of the Leptzaeus-Merzbacher's (PLP!) gene.* Presented at 39th 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 39th 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 39th 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 39th 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 39th 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 39th 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 39th 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 39th 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 39th 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 39th 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 39th 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 40th 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 40th 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 40th 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 40th 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 40th 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 40th 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 40th 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 40th 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 40th 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 40th 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 16th 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 16th 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 65th 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 41st 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 41st 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 41st 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 41st 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 27th 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 42nd 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 42nd 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 42nd 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 42nd 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 42nd 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 42nd 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 42nd 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 42nd 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 42nd 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 43rd 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 43rd 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 43rd 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 43rd 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 43rd 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 43rd 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 43rd 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 43rd 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 43rd 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 43rd 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 43rd 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 43rd 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 43rd 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 43rd 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 67th 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. 26th Annual course in Behavioral neurology and Neuropsychology (Florida Society of neurology), Orlando, FL, December 2001.

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

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

Bowers, D. (2005). Assessment of Emotion and Mood In Parkinson's Disease. 30th 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. 30th 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 11th annual Parkinson Day Symposium for Patients and Caregivers, UF, Gainesville Florida.

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

Bowers, D. (2014, April). Brain Health: Memory and Motivation – prevention and intervention. Presented at 12th 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 7th 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 11th 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 9th 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

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|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Post-Doctoral | <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 & Health Psychology, University of Florida, 1999-</p> |
| Graduate | Masters and Doctoral Committees: Total >80 |
| Undergraduate | <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> |
| Other: | 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 Hizel | 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 Prosje, 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, Asheville, 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 |

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|-------------------------|------------|------|----------------------------------|-----------------------------------|---------------------------------------|
| 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 | emotiona 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 st place national winner of Psi Chi/J.P Guilford Undergraduate Research Award for best research paper research paper, | J. Medina |
| 1 | 2 nd 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)

| <i>Current & Previous Clinical NP Post-Docs</i> | Outcome |
|------------------------------------------------------------|----------------|
| 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 |