

## CURRICULUM VITA

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

### CONTACT INFORMATION

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

Business Phone: (352) 222-0100 (Cell)  
 (352) 733-2459 (Lab)  
 (352) 265-0294 (Clinic)

Facsimile: (352) 273-6156

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

Research Laboratory Cognitive Neuroscience Laboratory  
 UF, Fixel Institute of Neurological Disease  
 3009 Williston Road  
 Gainesville, FL 32608  
 Laboratory Phone: (352) 733-2459  
 Lab website: [www.cogneuro.phhp.ufl.edu](http://www.cogneuro.phhp.ufl.edu)

Citizenship United States

### EDUCATION

High School: Marianna High School (1968)  
 Valedictorian

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

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

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

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

Internship Clinical Psychology/ Neuropsychology, 1976-77  
 Boston Veterans Administration Medical Center

	Supervisors: Edith Kaplan, Harold Goodglass, Neurogeriatrics Externship: Framingham Heart Study Pediatric Neuropsychology <i>Externship</i> : Martha Denckla, M.D . Beth Israel Hospital
Post-Doctoral	Neurobehavioral Research Fellow, 1978-1979, Department of Neurology, University of Florida College of Medicine (Mentor: Kenneth M. Heilman, M.D.)
Licensure	Florida PY0003179, 1983
Board Certification	Board Certified in Clinical Neuropsychology, American Board of Professional Psychology (ABPP), April 2003

## **PROFESSIONAL BACKGROUND**

Current Appointments	<p>Professor in Clinical and Health Psychology, College of Public Health and Health Professions, University of Florida, Gainesville, Florida, 2004-ongoing</p> <p>Director, Neuropsychology Post-Doctoral Fellowship, Department of Clinical and Health Psychology, PHHP, University of Florida, 2018-</p> <p>Director, Cognitive Neuroscience Laboratory, Fixel Institute of Neurological Diseases, 2018- and Evelyn F. and William L. McKnight Brain Institute 1998- 2014</p> <p>UF Term Professor, University of Florida 2017-2020</p> <p>Senior Neuropsychology Director, Center for Movement Disorders and Neurorestoration, University of Florida, 2006-</p> <p>Professor of Neurology, College of Medicine, University of Florida, 1998-ongoing</p> <p>Doctoral Research Faculty, University of Florida, 1984-</p> <p>Graduate Faculty Status, University of Florida, 1980-</p>
Past Appointments	<p>Neuropsychology Area Head, Department of Clinical and Health Psychology, College of Public Health and Health Professions, University of Florida, 2006-2018</p> <p>UF Foundation Research Professor, University of Florida, 2006-2009</p> <p>Associate Professor of Clinical &amp; Health Psychology, University of Florida, Gainesville, Florida, 1985-2005</p> <p>Associate Professor of Neurology, College of Medicine, University of Florida, Gainesville, Florida, 1985-2005</p> <p>Research Director, Pallidotomy Clinical Research Program, College of Medicine, 1995-1998</p> <p>Director, Clinical Neuropsychology Research Laboratory, Department of Neurology, College of Medicine, 1994-1998</p>

Senior Neuropsychologist, State of Florida Memory Disorders Clinic, University of Florida College of Medicine, 1986-1998

Associate Professor of Clinical and Health Psychology and Neurology, College of Health Professions & College of Medicine, 1985-98.

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, 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 20 (Aging) and Division 40 (Society for Clinical Neuropsychology)

- Charter Member, Women in Neuropsychology (WIN), Division 40
- Fellow (Division 40), 2013;
- Division 40 Fellows Committee (2014- 8/2023)
- Chair, Division 40 Fellows Committee (2016-8/2023)
- Member, APA Fellows Committee (2024-2026)

American Academy of Clinical Neuropsychology (AACN),

- ABBP mentor (2013 onwards-)

International Neuropsychology Society, 1975-present;

- Board of Governors: 2012-2015
- Awards Committee: 2005-2015
- Communications Committee: 2015- 2020
- Continuing Education Committee: 1993-1998;
- Program Committee: 1986, 1991, 1996, 2004, 2008, 2013

American Academy of Neurology  
Cognitive Neuroscience Society, 1994-present

Movement Disorders Society, 2017-present  
Society for Neuroscience, 1994-present

Memory Disorders Research Society (Charter Member), 1988

## **GRANTS AND CONTRACTS (Active)**

### **Active**

PI/MPI: *Interdisciplinary Training in Movement Disorders and Neurorestoration*. NIH/NINDS, 2T32-NS082168, 2015-2025. (Co-MPI: D. Vaillancourt)

MPI: *Revitalizing Cognition in Older Adults at Risk for Alzheimer's disease with Near Infrared Photobiomodulation*, R01-AG064587, (MPI: Bowers, Woods, Alexander), 8/1/2019-3/31/2024.

PI/MPI: *A Pilot Multi-Site Intervention with Near Infrared Stimulation: Revitalizing Cognition in Older Adults*. McKnight Brain Research Foundation. (MPI: Bowers/Woods/Alexander), 5/1/2018-4/30/2024

Co-I: *Defining Targets for Tic Detection and Suppression in Tourette Syndrome Deep Brain Stimulation*. NIH/NINDS, 1UH3-N119844. 2021-2026. (MPI: Okun MS, C. Butson, A. Gunduz)

Co-I: *Smartphone Phenotype Collection for Diagnostic Screening of Mild Cognitive Impairment*. R44AG062072, 2022-2025, Parabon NanoLabs. (Site PI: Melissa Armstrong, MD)

Co-I: *Determining Plasticity of Brain-Regulatory Mechanisms Related to Emotion Processing: A Neurofeedback Approach in Older Adults with Amnesic Mild Cognitive Impairment*. Florida Department of Health Ed and Ethel Moore Alzheimer's Program, Grant #20A15. (PI: Ebner), 01/2020-12/2023

Co-I: *Dual Lead Thalamic DBR-DBS Interface for Closed Loop Control of Severe Essential Tremor*. NIH UH3-NS109845 (MPI: Oweiss & Foote), 9/24/2019-8/31/2024

### **Prior**

Co-I: *Uncovering and Surveilling Financial Deception Risk in Aging*, Supplement. R01-AG12802177, PI: Ebner), 08/1/2019-6/30/2023.

PI: *Revitalizing cognition and motor symptoms in patients with Parkinson disease*. Parkinson Foundation Impact Award, IMP-1938, 06/01/2019-05/30/2022 .

PI: *Shining Light on the brain: A proof of concept study in Parkinson Disease*. University of Florida Moonshot, 01/01/2019-6/31/2021

MPI: *Determining plasticity of brain-regulatory mechanisms related to emotion processing: A Neurofeedback Approach in Aging and Parkinson Disease*. NIH/NIA R21-AG057200 (co-MPI: N. Ebner), 4/1/2017-3/31/2020.

Co-Investigator: *Dual Lead Thalamic DBR-DBS Interface for Closed Loop Control of Severe Essential Tremor* . NIH/NINSA-1UH3NS109845. (MPI: Oweiss/Foote), 09/01/2019-8-31/2024)

MPI/Mentor *Dose Response Relationship between Near Infrared Stimulation and Brain Activity using Neuroimaging*. Fogarty Foundation (MPI: Bowers/Sinha), 12/2017-11/2019

Co-Investigator: *Mechanisms of airway protection dysfunction in Parkinson's disease*. NIH R01 HD091658-01 (PI: K. Hegland), 7/1/2017- 03/2023.

Co-Investigator: *Closing the Loop on Tremor: A Responsive Deep Brain Stimulator for the Treatment* NIH/NINDS, UH3-NS095553 (PI: A. Gunduz), 9/30/2016-6/30/2021.

Co-Investigator: *The Human Thalamocortical Network in Tourette*. NIH/NINDS R01-NS096008, (PI: Michael Okun). 7/1/2016-6/30/2021.

Principal Investigator: *Pilot Intervention in Mild Cognitive Impairment: A Proof of Concept Study with Transcranial Near Infrared Stimulation*. State of Florida Ed and Ethel Moore Alzheimer's Program, 2016-

2018.

PI/MPI: *Interdisciplinary Training in Movement Disorders and Neurorestoration*. NIH/NINDS, 2T32-NS082168, 2015-2025. (Co-MPI: D. Vaillancourt)

Co-Investigator: *Algorithm in Predicting Alzheimer's disease*. State of Florida Ed and Ethel Moore Alzheimer's Program, (PI: Meredith Wicklund). 2016-2017.

Co-I: *Dissociating Components of Anhedonia: Pilot Behavioral and fMRI Data for the Effort Expenditure for Rewards Task*. NIH/NIMH, R03-MH109336, (PI: Dotson), 2015-17.

PI/MPI: *Re-Vitalize: Improving Memory in MCI- Motion and emotion*. Sante Fe/Avmed Village Retirement Community (Co-MPI: M Marsiske), 2014-2016

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

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.

Co-Investigator: *White Matter Connectivity and PD Cognitive Phenotypes*. NIH/NINDS R01-NS082386, (PI: Pricel), 2013-2018

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*. NINDS R01-NS0633, 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*, 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*, NIMH R01-, MH62458, 2002-2006, \$850,000.

Co-Investigator: *The Influence of Tourniquet Time on Cerebral Embolic Events in Elderly Patients Undergoing Total Knee Arthroplasty*, 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*", NINR, (A. Horgas, PI), 2001-04, \$472,775.

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

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

Principal Investigator: *Odor Affectivity: Impact of Temporal lobe ablations*, NIMH, Project 7, P50-5238: Center for Study of Emotion and Attention, (P. Lang, Center PI), 1994-2001.

Principal Investigator: *Disordered Affect Modulation after Hemispheric Dysfunction*. NIMH, R01-MH5243, 1996-2000, 482,481.

Principal Investigator: *Parkinson's Disease and Pallidotomy: Digitizing the Masked Face*, 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*, NINDS R01-S32911, 1994-1998, \$ 390,094.

Co-Principal Investigator: *Emotion and Hemisphere Dysfunction*, NIMH, R01 MH48861, (K. Heilman, PI), 1994-1997, \$486,000.

Co-Investigator: *Psychophysiology of implicit memory in Alcoholic Amnesia*, NIAA, R01-AA06203, (R. Bauer, PI), 1991-1994, \$248,000.

Principal Investigator: *Stroke and Affect*, 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*, NIMH, #R01MH44689-0182, (K.Voeller, PI), 1990-1993.

Co-Investigator: *Retrosplenial Amnesia*, NINDS, R01- (E. Valenstein, PI), 1988-1990.

Co-Principal Investigator: *Disorders of Emotional Memory in Brain Damaged Patients* ,NIMH R01-MH40214, (K. Heilman, PI), 1986-1989.

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

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

Co-Principal Investigator: *Covert Physiological Recognition in Alcoholic Amnesia*, NIAAA R01-AA06203A, (R. Bauer, PI), 1983-1986, \$220,991.

Principal Investigator: *Lexical Priming in Hemispatial Neglect*, University of Florida Division of Sponsored Research Graduate Assistantship Funding, 1983-1984.

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

Co-Principal Investigator: *Disorders of Affectively Intoned Speech*, NINDS, R01-NS-10408. (K. Heilman, PI), 1981-1985.

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

Principal Investigator: *Hemisphere: Relation to laterality of function in man*, NIMH R01-MH34752A . 1981-1985.

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

Predctoral National Research Service Award (NRSA, F31 AG081047-01). *Brain Drivers, Cognition, and Parkinson Disease: A Psychometric Approach*. Lauren Kenney, PI. (Role: Mentor), 5/1/2023-6/30/2024.

Predctoral National Research Service Award (NRSA, F31 NS131000-01). *Cognition in Essential Tremor: A neuroimaging and biomarker study*. , A. Ratajska, PI. (Role: Mentor), 5/1/2023-6/30/2024.

UF COARD, *Neuroimaging Correlates of Misophonia*. Josh Gertler, PI (Role:Mentor), 5/2023-6/2024

Ed & Ethel Moore Alzheimer's Disease Research Program, Florida Department of Health (22A12), *Novel Behavioral and Neural Markers of Alzheimer's Disease Progression: A Case for Visual Orienting*, 2022-2024, Awarded to Adam Barnas, PhD (post-doctoral), \$100,000, ( Role: Co-Mentor)

Dissertation Award, Division 40 American Psychological Association to Francesca Lopez, MS., 2021-2022. (Role: Mentor)

K01 Training grant (K01 AG070333), *Behavioral and neural properties of spatial direction in aging and amnesic MCI*. Funded by National Institute of Aging, 2021-2025. Awarded to Steve Weisberg, Ph.D. (Role: Co-Mentor)

Ed & Ethel Moore Alzheimer's Disease Research Program, Florida Department of Health (#21A09). *Go your own way: Evaluating neurofeedback- induced plasticity to improve spatial navigation behavior in older adults at Risk for Alzheimers' Disease*. 2021-2023. Awarded to Steve Weisberg, Ph.D. (Asst Professor). (Role: Co-Mentor with Natalie Ebner)

Predctoral National Research Service Diversity Award (NRSA, F31 AG071264). *Cognitive correlates of Mitochondrial Function in Older Adults*. Funded by National Institute of Aging, 2021-2023). Awarded to Francesca Lopez, M.S. (Role: Mentor)

Minority Supplement to *Revitalize Cognition in Older Adults at risk for Alzhiemer's disease (R01)*, funded by NIA, 2020-2022, Awarded to Stacey Alvarez-Alceda, Ph.D. (Role: Co-Mentor)

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. Awarded to Jenna Dietz, M.S. (Role: Co-Mentor with M. Bradley, Ph.D.)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

## **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, L.X., and Heilman, K.M. (2001). The Florida Affect Battery, Manual (revised), Center for Neuropsychological Studies, University of Florida, Gainesville, FL

### Peer Reviewed Articles

1. Levy, C.M. and Bowers, D. (1974) Hemispheric asymmetry of reaction time in a dichotic discrimination task. *Cortex*, 10, 19-25.
2. Bowers, D. and Heilman, K.M. (1976) Material specific hemispheric arousal. *Neuropsychologia* 14, 123-127.
3. 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.
4. Heilman, K.M., Bowers, D., Watson, R.T., and Greer, M. (1976). Reaction times in Parkinson patients. *Neurology*, 33, 139-140.
5. Fennell, E., Bowers, D., and Satz, P. (1977). Within and crossmodal reliabilities of two laterality tasks. *Brain and Language*, 4, 63-69.
6. 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.
7. Heilman, K., Bowers, D., Rasbury, W., and Ray, R. (1977). Ear asymmetries on a selective attentional task. *Brain and Language*, 4, 390-395.
8. 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.
9. 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.
10. 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.
11. Bowers, D. and Heilman, K. (1980). Material specific hemispheric activation. *Neuropsychologia*, 18, 309-318.
12. Bowers, D. and Heilman, K. (1980). Pseudoneglect: Effects of hemispace on a tactile line bisection task. *Neuropsychologia*, 18, 491-496.
13. DeKosky, S., Heilman, K., Valenstein, E., and Bowers, D. (1980) Recognition and discrimination of emotional faces and pictures. *Brain and Language* 9:206-214.
14. Bowers, D., Heilman, K., and Van den Abell, T. (1981). Hemispace-VHF compatibility, *Neuropsychologia*, 19, 757-765.
15. Heilman, K., Bowers, D., and Watson, R.T. (1983). Performance on a hemispatial pointing task. *Neurology*, 33, 661-664.
16. Heilman, K., Watson, R., Bowers, D., and Valenstein, E. (1983). Dominance hemispherique droite pour l'attention. *Rev Neurol (Paris)*, 139, 15-17.
17. Heilman, K., Bowers, D., and Watson, R.T. (1984). Pseudoneglect in a patient with a partial callosal disconnection. *Brain*, 107, 519-532.
18. Heilman, K., Bowers, D., Speedie, L., and Coslett, B. (1984). Comprehension of emotional and

- nonemotional prosody. *Neurology*, 34, 917-921.
19. 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.
  20. 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.
  21. Heilman, K., Bowers, D., Coslett, B., Whalen, H., and Watson, R.T. (1985). Directional hypokinesia: Prolonged reaction times for leftward movements in patients with right hemisphere lesions and neglect: directional hypokinesia. *Neurology*, 35, 855-860.
  22. 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.
  23. Heilman, K., Bowers, D., Valenstein, E., and Watson, R. (1986). The right hemisphere: neuropsychological functions. *Journal of Neurosurgery*, 64, 693-704. \
  24. Meador, K., Watson, R., Bowers, D., and Heilman, K. (1986). Hypometria with hemispatial and limb motor neglect. *Brain*, 109, 293-306. \
  25. 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.
  26. 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.
  27. 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. \
  28. Meador, K., Loring, D., Bowers, D., and Heilman, K. (1987). Remote memory and neglect syndrome. *Neurology*, 37, 522-526.
  29. Coslett, B., Bowers, D., and Heilman, K. (1987). Reduction in cerebral activation after right hemisphere stroke. *Neurology*, 37, 957-962.
  30. Valenstein, E., Bowers, D., Verfaellie, M., Heilman, K., Day, A., and Watson, R. (1987). Retrosplenial amnesia. *Brain*, 110, 1631-1646.
  31. Bowers, D., Verfaellie, M., Valenstein, E., and Heilman, K. (1988). Impaired acquisition of temporal information in retrosplenial amnesia. *Brain and Cognition*, 8, 47-66.
  32. Verfaellie, M., Bowers, D., and Heilman, K. (1988). Hemispheric asymmetries in mediating intention, but not selective attention. *Neuropsychologia*, 26, 521-531.
  33. Verfaellie, M., Bowers, D., and Heilman, K. (1988). Attentional factors in the occurrence of the stimulus-response compatibility effect. *Neuropsychologia*, 26, 435-444.
  34. Heilman, K.M., Bowers, D., and Shelton, P. (1990). Attention to near and far space: The third trichotomy. *Behavioral and Brain Sciences*, 13, 552.
  35. 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.
  36. Coslett, B., Bowers, D., Fitzpatrick, E., Haws, B., and Heilman, K. (1990). Directional hypokinesia

- and hemispatial inattention in neglect. *Brain*, 113, 475-486.
37. Shelton, P., Bowers, D., and Heilman, K. (1990). Peripersonal and vertical neglect. *Brain*, 113, 191-205.
  38. 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.
  39. 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.
  40. Verfaellie, M., Bauer, R., and Bowers, D. (1991). Autonomic and behavioral evidence of implicit memory in amnesia. *Brain & Cognition*, 15, 10-25.
  41. Cimino, C., Verfaellie, M., Bowers, D., and Heilman, K. (1991). Emotional autobiographical memory in right hemisphere damaged patients. *Brain & Cognition*, 15, 106-118.
  42. Coslett, B., Bowers, D., Verfaellie, M., and Heilman, K. (1991). Frontal verbal amnesia: Phonologic amnesia. *Archives of Neurology*, 48, 949-955.
  43. Blonder, L., Bowers, D., and Heilman, K. (1991). The role of the right hemisphere in emotional communication. *Brain*, 114, 1115-1127.
  44. 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.
  45. Morris, M., Bowers, D., Chatterjee, A., and Heilman, K. (1992). Amnesia following a discrete lesion of the basal forebrain. *Brain*, 115, 1827-1847.
  46. 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.
  47. 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.
  48. 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.
  49. 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.
  50. Shelton, P., Bowers, D., Duara, R.J., and Heilman, K.M. (1994). Apperceptive visual agnosia. *Brain & Cognition*, 25, 1-23.
  51. Blonder, L.X., Burns, A., Bowers, D., Moore, R., and Heilman, K.M. (1995). Spontaneous gestures following right hemisphere infarct. *Neuropsychologia*, 33, 211-218.
  52. 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.
  53. Heilman, K. & Bowers, D. (1995). Reply to Warrington-Rudge comment on "Apperceptive Visual Agnosia: A case study." *Brain & Cognition*, 28, 178-179.
  54. White, T., Bauer, R., Kessler, H., and Bowers, D.. (1995). Recall of three words after five minutes: its relationship to performance on neuropsychology memory tests. *Applied Neuropsychology*, 2, 130-138.

55. Jacobs, D., Shuren, J., Bowers, D., and Heilman, K. (1996). Emotional perception, imagery, and production in Parkinson's disease. *Neurology*, 45, 1696-1702.
56. 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.
57. 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.
58. 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.
59. 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.
60. 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.
61. 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.
62. 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.
63. 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.
64. Crucian, G., Barrett, A., Schwarz, R., Bowers, D., Triggs, W., Friedman, W., and Heilman, K. (2000). Cognitive and vestibulo-proprioceptive components of spatial ability in Parkinson's disease. *Neuropsychologia*, 38, 757-767.
65. Gokcay, D., Bowers, D., Richardson, C., and Desai, A. (2000) Use of local entropy changes as a measure for identification of facial expressions. *Journal IEEE: Proceedings of ICASSP International Conference on Acoustics, Speech, and Signal Processing*,
66. Crucian, G., Huang, L., Barrett, A., Schwartz, R., Cibula, J., Anderson, J., Triggs, W., Bowers, D., Friedman, W., Greer, M., and Heilman, K. (2001). Emotional conversations in Parkinson's disease. *Neurology*, 56, 159-165.
67. Crucian, G., Hughes, J., Barrett, A., Keillor, J., Williamson, D.J., Bauer, R., Bowers, D., and Heilman, K. (2001). Emotional and physiological responses to false feedback. *Cortex*, 36, 623-47.
68. McDonald, C., Crosson, B., Valenstein, E., and Bowers, D. (2001). Verbal encoding deficits in a patient with retrosplenial amnesia. *Neurocase*, 7, 407-17.
69. Nadeau, S., McCoy, K, Crucian, G, Greer, R, Rossi, F, Bowers, D., Goodman, W, Heilman, K, and Triggs, W. (2002) Cerebral blood flow changes in depressed patients after treatment with repetitive transcranial magnetic stimulation: evidence of individual variability. *Neuropsychiatry, Neuropsychology and Behavioral Neurology*, 15, 159-175.
70. Crucian, G., Barrett, A., Burks, D., Riestra, A., Roth, H., Schwartz, Triggs, W., Bowers, D., Friedman, W., Greer, M., and Heilman, K. (2003). Mental object rotation in Parkinson's disease. *Journal of the International Neuropsychology Society*, 9, 1078-1087.

71. Pedraza, O., Bowers, D., and Gilmore, R. (2004). Meta-analysis of MRI- based volumetric asymmetry of the hippocampus and amygdala in >1500 normal adults. *Journal of International Neuropsychology Society*, 10, 664-78.
72. Okun, M., Bowers, D., Springer, U., Malone, D., Rezai, A., Buttin, B., Heilman, K., Greenberg, B., Rasmussen, S., Shapira, A., Foote, K., Goodman, W. (2004) What's in a smile? Stimulation induced smiling and affective response. *Neurocase*, 10, 271-279.
73. Leritz, B., Loftis, C., Crucian, G., Friedman, W. and Bowers, D. (2004). Self awareness deficits in Parkinson's disease. *The Clinical Neuropsychologist*, 18, 352-361.
74. Montijo, J., Bowers, D. (2004). Measuring working memory dysfunction in subjects with Parkinson's Disease using an N-back paradigm. *Journal of Undergraduate Research*, Volume 6, Issue 4.
75. Fernandez H, Crucian, G., Okun, M., Price, C., Bowers, D. (2005). Mild cognitive impairments in Parkinson's disease: the challenge and the promise. *Neuropsychiatric Disease and Treatment*, 1(1), 37-50.
76. Pedraza, O., Lucas, J., Smith, G., Willis, F., Graff-Radford, N., Petersen, R., Bowers, D., Ivnik, R. (2005). Mayo's Older African American Normative Studies: Confirmatory factor analysis of a core battery. *Journal of International Neuropsychology Society*, 11(2), 184-191.
77. Triggs, W., Ghacibeh, G., Springer, U., and Bowers, D. (2005). Lateralized asymmetry of the facial motor response. *Neurology*, 65, 541-544.
78. Rodriguez, R., Miller, K., Bowers, D., Crucian, G., Wynt, D., Fernandez, H., Foote, K., & Okun, M. (2005), Mood and cognitive changes with deep brain stimulation: what we know and where we should go. *Minerva Medica*, 96, 125-44.
79. Shapira, N., Okun, M., Wint, D., Foote, K., Byars, K., Bowers, D., Springer, U., Lang, P., Greenberg, B., Haber, S., Goodman, W. (2006). De Novo Panic Attacks Induced by Deep-Brain Stimulation. *Journal of Neurology, Neuropsychiatry, and Neurosurgery*, 77(3), 410-412.
80. Willard, K., Licht, B., Gilmore, R., Licht, M., Sackellares, J.C., Eisenschenck, S., Bowers, D., Hyson, L., Kirsch, M. (2006). Affect in epilepsy patients undergoing video-EEG monitoring: retrospective versus momentary assessment and temporal relationship to seizures. *Epilepsy and Behavior*, 8 (3), 625-634.
81. Kirsch-Darrow, L., Fernandez, H., Okun, M., Bowers, D. (2006). Dissociating apathy and depression in Parkinson's disease. *Neurology*. 67(1), 20-27.
82. Springer, U., Bowers, D., Shapira, W., Goodman, W., Foote, K., Okun, M. (2006). Long-term habituation of the smile response with Deep Brain Stimulation. *Neurocase*, 12(3), 191-196.
83. Bowers, D., Miller, K., Bosch, W., Gokcay, D., Springer, U., & Okun, M.S.. (2006). Faces of emotion in Parkinson's disease: Digitizing the moving face during voluntary expressions. *Journal of International Neuropsychological Society*. 12, 1276-1273.
84. Bowers, D., Miller, K., Mikos, A., Kirsch-Darrow, L., Springer, S., Fernandez, H., Foote, K., Okun, M.S. (2006). Startling facts about emotion in Parkinson disease: Blunted reactivity to aversive stimuli. *Brain*, 129, 3345-3365.
85. Williams, L., Seignourel, P., Crucian, G., Okun, M., Rodriguez, R., FM Skidmore, PS Foster, CE Jacobson IV, J Romrell, Bowers, and & Fernandez, H. (2006) Laterality, location, type and severity of motor dysfunction may predict cognitive dysfunction in Parkinson's disease. *Movement Disorders*, 22 (1), 141-144
86. Okun, M., Mann, G., Foote, K., Shapira, A., Bowers, D., Springer, U., Knight, W., Martin, P., & Goodman, W. (2007). Deep brain stimulation in the internal capsule and nucleus accumbens

- region: responses observed during active and sham programming. *Journal of Neurology, Neurosurgery, and Psychiatry*, 78, 310-314
87. Okun, M.S, Rodriguez, R., Mikos, A., Miller, K., Kellison, I., Kirsch-Darrow, L., Wint, D., Springer, U., Fernandez, H., Foote, K., Crucian, G., Bowers, D. (2007). Deep brain stimulation and the role of neuropsychology. *The Clinical Neuropsychologist*. 21, 162-189.
  88. Miller, K., Okun, M.S., Fernandez, H., Jacobson, C., & Bowers, D. (2007). Comparing depression symptoms in movement disorders: Parkinson disease, Essential Tremor, and Dystonia. *Movement Disorders*. 22(5), 666-72.
  89. Seignourel, P.J., Miller, K., Kellison, I., Rodriguez, R., Fernandez, H., Bauer, R.M., Bowers, D., Okun, M.S. (2007). Abnormal affective startle modulation in psychogenic movement disorder. *Movement Disorders*. 22(9), 1265-1271.
  90. Springer, U.S., Rosas, A., McGettrick, J., & Bowers, D. (2007). Differences in startle reactivity during the perception of angry and fearful faces. *Emotion*, 7 (3), 516-525.
  91. Kirsch-Darrow, L., Mikos, A., & Bowers, D. (2008). Does Deep Brain Stimulation Induce Apathy in Parkinson's disease? A Review of Initial Studies and Recommendations for Future Research. *Frontiers in Bioscience*, 13: 5316-22.
  92. Howe, L., Kellison, I., Okun, M.S., Fernandez, H.H., & Bowers, D. (2008). Grand Rounds Neuropsychological profile of a Filipino gentleman with X-Linked dystonia-Parkinsonism: A case report of Lubag Disease. *The Clinical Neuropsychologist*, Mar 12: 1-18,. PubMed PMID: 18609312
  93. Cooper CA, Mikos AE, Wood MF, Kirsch L, Jacobson CE, Okun MS, Rodriguez RL, Bowers D, Fernandez HH (2009) Does laterality of motor impairment tell us something about cognition in Parkinson disease? *Parkinsonism and Related Disorders*. Sept 13, epub ahead of print, 15, 315-17. PubMed PMID: 18793864
  94. Zahodne, L., Okun, M.S., Foote, K., Fernandez, H., Kirsch-Darrow, L., & Bowers, D. (2009). Cognitive declines one year after unilateral deep brain stimulation surgery in Parkinson's disease: a Controlled study using reliable change. *The Clinical Neuropsychologist* 23 (3), 385-405. PMID: 18821180; PubMed Central PMCID: PMC3045862.
  95. Siddiqui, M.S., Fernandez, H.H., Garvan, C.W., Garvan CW, Kirsch-Darrow L, Bowers D, Rodriguez RL, Jacobson CE 4th, Rosado C, Vaidyanathan S, Foote KD, Okun MS. (2009) Inappropriate crying and laughing in Parkinson disease and movement disorders. *World J Biol Psychiatry*. 10 (3), 234-240. PubMed PMID: 18609421
  96. Zahodne, L., Young, S., Kirsch-Darrow, L., Nisenzon, A., Fernandez, H.H., Okun, M.S., & Bowers, D. (2009) Examination of the Lille Apathy Rating Scale (LARS) in Parkinson disease. *Movement Disorders*. 24 (5), 677-683. PMID: 19133658; PubMed Central PMCID: PMC3045860.
  97. Mikos, A., Springer, U.S., Nisenzon, A., Kellison, I., Fernandez, H.H., Okun, M.S., & Bowers, D. (2009). Awareness of expressivity deficits in non-demented Parkinson disease: *The Clinical Neuropsychologist*, 23(5), 805-817. PubMed PMID: 19169938
  98. Kirsch-Darrow, L., Zahodne, L. B., Hass, C., Mikos, A., Okun M.S., Fernandez. H.H. & Bowers. D. (2009). How cautious should we be when assessing apathy with the Unified Parkinson's Rating Scale? *Movement Disorders*, 24 (5), 684-688. PubMed PMID: 19185011; PubMed Central PMCID: PMC3045863.
-

99. Okun, M.S., Fernandez, H.H., Wu, S., Kirsch-Darrow, L., Bowers, D., Bova, F., Suelter, M., Jacobson, C., Wang, X., Gordon, C., Romrell, J., Martin, P., Ward, H., Rodriguez, R., Foote, K. (2009). Cognition and Mood In Parkinson Disease STN versus GPi DBS: The COMPARE Trial. *Annals of Neurology*, 65(5), 586-595. PubMed PMID: 19288469; PubMed Central PMCID: PMC2692580.
100. Zahodne, L., Okun, M.S., Foote, K.D., Fernandez, H.H., Rodriguez, R., Kirsch-Darrow, L., Wu, S., Jacobson, C., Rosado, C., Bowers, D. (2009) Greater improvements across quality of life domains following unilateral deep brain stimulation surgery in the GPi as compared to the STN: Results from a randomized, controlled trial. *J. of Neurology*, 256(8), 1321-1329. PMID: 19363633; PubMed Central PMCID: PMC3045861.
101. Fernandez, H.H., See, R.H., Gary, M.F., Bowers, D., Rodriguez, R., Jacobson, C., Okun, M.S. (2009). Depressive symptoms in Parkinson disease correlate with impaired global and specific global cognitive performance. *Journal of Geriatric Psychiatry and Neurology*, 22(4), 223-227. PMID: 19429848
102. Miller, K.M., Okun, M.S., Marsiske, M., Fennell, E.F., & Bowers, D. (2009). Startle reflex hyporeactivity in Parkinson's disease: an emotion specific or an arousal modulated deficit? *Neuropsychologia*, 47 (8-9), 1917-27. PMID: 19428424; PubMed Central PMCID: PMC2709833.
103. Mikos, A., Zahodne, L., Okun, M.S., Foote, K., Bowers, D. (2009). Cognitive Declines after Unilateral Deep Brain Stimulation Surgery in Parkinson's Disease: A Controlled Study Using Reliable Change, Part II. *The Clinical Neuropsychologist*, 26, 1-11. PMID: 19953428; PubMed Central PMCID: PMC3045858.
104. Miller, K.M., Price, C.C., Okun M.S., Montijo, H., & Bowers, D. (2009). Is the n-back task a clinically useful measure for assessing working memory in Parkinson's disease? *Archives of Clinical Neuropsychology*, 24 (7), 145-53. PubMed PMID: 19767297; PubMed Central PMCID: PMC2770861
105. Mikos, A., Pavon, J., Bowers, D., Foote, K., Resnick, A., Fernandez, H., Thomas, P., Garvan, C., Roy, A., Okun, M. (2010). Factors Related to Extended Hospital Stays Following Deep Brain Stimulation for Parkinson Disease. *Parkinsonism & Related Disorders*, 16, 324-328. PubMed PMID: 20202888
106. Graff-Radford, J., Foote, K.D., Mikos, A., Bowers, D., Fernandez, H.H., Rosado, C., Rodriguez, R.L., Malaty, I. Haq, I.U., Jacobson, C., Okun, M.S. (2010) Mood and motor effects of thalamic deep brain stimulation surgery for Essential Tremor. *European Journal of Neurology*, 17, 1040-1046. PubMed PMID: 20113336
107. Price, C. C., Wood, M. F., Towler, S., Ward, J., Montijo, H., Kellison, I., Leonard, C., Bowers, D., Monk, T., Newcomer, J., C., Schmalfuss, I. (2010). Reliability and validity considerations for three entorhinal volumetric measurement techniques. *Journal of the International Neuropsychological Society*, 16 (5), 846-55. PubMed PMID: 20937164; PubMed Central PMCID: PMC3070302.
108. Triggs, W., Ricciuti, N., Ward, H., Cheng, J., Bowers, D., Goodman, W., Kluger, B., Nadeau, S. (2010). Right and left dorsolateral prefrontal rTMS treatment of refractory depression: A randomized, sham-controlled clinical trial. *Psychiatry Research*, 178, 467-74. PubMed PMID: 20643486
109. Burdick, A., Okun, M.S., Haq, I.U., Ward, H.E., Bova, F., Jacobson, C.E., Bowers, D., Zeilman, P., Foote, K.D. (2010) Prevalence of Twiddler's syndrome as a cause of deep brain stimulation hardware failure. *Stereotactic Funct Neurosurg*, 88, 353-359. PubMed PMID: 20861658.
110. Haq, I., Foote, K.D., Wu, S., Goodman, W.G., Sudhyadhom, A., Ricciuti, N., Goodman, W., Siddiqui, M., Bowers, D., Jacobson, C., Ward, H., Okun, M.S. (2011), Smile and laughter induction and intraoperative predictors of response to deep brain stimulation for obsessive compulsive disorder. *Neuroimage*, 54S1, S247-S255. PubMed PMID: 20226259; PubMed Central PMCID: PMC2907450.

111. Mikos, A., Bowers, D., Noecker, A., McIntyre, C., Won, M., Chaturvedi, A., Foote, K.D., Okun, M.S. (2011) Patient-Specific analysis of the relationship between the volume of tissue activated during DBS and verbal fluency. *Neuroimage*. 54S1, S238-S246. PMID: 20362061; PubMed Central PMCID: PMC2908727.
112. Nisenzon, A., Robinson, M. E., Bowers, D., Banou, E., Malaty, I., & Okun, M.S. (2011) Measurement of patient-centered outcomes in Parkinson disease: What do patients really want from their treatment? *Parkinsonism and Related Disorders*. 17(2):89-94.[ Epub ahead of print Oct 15 2010] PMID: 20952243; PubMed Central PMCID: PMC3034811
113. Kemmotsu, N. Price, C., Genko, O., Foote, K., Okun, M.S., Howe, L., Bowers, D. (2011). Pre and post-GPI DBS neuropsychological profiles in a case of x-linked dystonia parkinsonism. *The Clinical Neuropsychologist*. 25(1), 141-159 . PMID: 21253963; PMCID: PMC3070298.
114. Okun, M.S., Wu, S., Foote, K.D., Bowers, D., Gogna, S., Price, C., Malaty, I., Rodriguez, R., Jacobson, C.E., Ward, H. (2011) Do stable patients with a pre-morbid depression history have a worse outcome following DBS for Parkinson's Disease. *Neurosurgery*. 69(2), 357-60 [March 15 epub ahead of print] . PMID: 21415789; PubMed Central PMCID: PMC3593636.
115. Morishita, T., Foote, K., Farge, K., Jacobson, C., Fernandez, H., Rodriguez, R., Malaty, I., Bowers, D., Hass, C., Katayama, Y., Yamamota, T., Okun, M.S. (2011). DBS candidates who fall short on a levodopa challenge test: Alternative and important indications. *The Neurologist*, 17 (5), 263-268. PubMed PMID: 21881468; PubMed Central PMCID: PMC3789884.
116. Zahodne, L., Bowers, D., Price, C.E., Bauer, R.M., Nisenzon, A., Foote, K.D., Okun, M.S. (2011). The Case for testing memory with both stories and word lists prior to DBS surgery for Parkinson's Disease. *The Clinical Neuropsychologist*. 25 (3), 348-358. PMID: 21491347; PubMed Central PMCID: PMC3077807.
117. Burdick, A., Foote, KD, Wu, S., Bowers, D., Zeilman, P., Jacobson, CE, Ward, HE, Okun, MS (2011). Do patients get angrier following STN GPI and thalamic deep brain stimulation. *Neuroimage*, 54S1: S227-S232. PMID: 20932923; I PMCID: PMC3014411.\
118. Price, C.C., Cunningham, H., Coronado, N., Freedland, A., Cosentino, S., Penney, D., Pensi, A., Bowers, D., Okun, M.S., Libon, D. (2011). Clock drawing in the Montreal Cognitive Assessment (CoCA): Recommendations for dementia assessment. *Dementia and Geriatric Cognitive Disorders*, 31 (3), 179-187. PMID: 21389719; PubMed Central PMCID: PMC3065510
119. Kirsch-Darrow, L., Zahodne, L.B., Marsiske, M., Okun M.S., Foote, K.D. & Bowers. D. (2011) The trajectory of apathy after deep brain stimulation: From pre-surgery to 6 months post-surgery in Parkinson's disease. *Parkinsonism and Related Disorders*, 17(3), 182-3 [epub 2011 Jan 20]. PMID: 21256069; PubMed Central PMCID: PMC3045850
120. Zahodne, L., Sastui, F., Bowers, D., Ong, T., Jacobson, C., Okun, M.S., Rodriguez, R., Malaty, I., Foote, K., Fernandez, H.H. (2011) Binge eating in Parkinson Disease: Prevalence, correlates, and the contribution of Deep Brain Stimulation. *Journal Neuropsychiatry and Clinical Neuroscience*. 23(1):56-62. PMID: 21304139; PubMed Central PMCID: PMC3075093.
121. Dietz, J., Bradley, M., Okun, M.S., Bowers, D. (2011). Emotion and ocular responses in Parkinson's disease . *Neuropsychologia*, 49, 3247-53. PMID: 21839756; PubMed Central PMCID: PMC3384545.
122. Kirsch-Darrow, L, Marsiske, M, Okun, M.S., Bauer, R.M., Bowers, D. (2011) Apathy and depression: Separate factors in Parkinson Disease. *Journal of International Neuropsychological Society*, 17, 1-9. PubMed PMID: 22040900; PubMed Central PMCID: PMC3302577.
123. Limotai, N., Oyama, G., Go, C., Bernal, C., Ong, T., Moum, S., Bhidayasir, R., Foote, F., Bowers, D., Ward, H., Okun, M.S. (2012). Addiction-like manifestations and Parkinson's disease: A large single Center Nine Year Experience. *International J. Neuroscience*, 122, 145-153. PMID 22023411



124. Zahodne, L, Marsiske, M., Okun, M.S., Rodriguez, R., Malaty, I, Bowers, D. (2012) Mood and motor trajectories in Parkinson's Disease: a Multivariate latent growth curve modeling. *Neuropsychology*, 26, 71-80. PMID:22142359 PMC3296901.
125. Naugle, K., Hass, C.J., , Bowers, D., Janelle, C. (2012). Emotional state affects gait initiation in individuals with Parkinson disease. *Cognitive, Affective, and Behavioral Neuroscience*. 12, 207-219. PMID:22194236 PMC3618281
126. Oyama, G, Rodriguez, R., Jones, J., Swartz, C., Merrit, S., Runger, R., Hubmann, M., Delgado, A., Simon, E., Doniger, G., Bowers, D., Foote, K., Okun, M.S. (2012). Selection of DBS candidates in private neurology practices: Referral may be simpler than a computerized triage system. *Neuromodulation*, Feb 29 [epub ahead of print] 15(3):246-50; discussion 250. PMID: 22376158
127. Zahodne, L., Bernal-Pacheco, O., Bowers, D., Ward, H., Oyama, G., Limotai, N., Velez-Lago, F, Rodriguez, R., Malaty, I, McFarland, N., Okun, M.S. (2012) Are selective serotonin re-uptake inhibitors associated with greater apathy in Parkinson's disease? *J. Neuropsychiatry and Clinical Neuroscience*. 24(3):326-30. PubMed PMID: 23037646; PubMed Central PMCID: PMC3759813.
128. Ferencz, B., Scholtissen, B., Bogorodskaya, M., Okun, M.S., Bowers, D. (2012) Toys and Gadgets: Construct validity of apathy in Parkinson Disease. *J. Neuropsychiatry and Clinical Neuroscience*. Sep 1;24(4):463-71. PMID: 23224453.
129. Kay, D., Kirsch-Darrow, L., Zahodne, L. Bowers, D. (2012). Dimensions of apathy in Parkinson's disease: Factor analysis of the Apathy Scale. *Journal of Parkinson's Disease*. 2 (2), 161-166. PMID: 23939440.
130. Kluger, B., Parra, V., Jacobson, CE, Garvan, C., Rodriguez, r., Fernandez, H., Fogel, A., Skoblar, B., Bowers, D., Okun, M.S. (2012). Prevalence of fatigue following deep brain stimulation in Parkinson's disease and association with quality of life. *Parkinson's Disease*. 2012:769506; Epub 2012 May 13. PMID: 22666631; PMCID: PMC3359731.
131. Roberson, E.D., DeFazio, A., Barnes, C.A., Alexander, G.E., Bizon, J.L., Bowers, D., Foster, T.C., Glisky, E.L., Levin, B.e., Ryan, L., Wrights, C.B., Geldmacher, D.S. (2012). Challenges and opportunities for characterizing cognitive aging across species. *Frontiers in Aging Neuroscience*. 4:6. PubMed PMID: 22988434; PubMed Central PMCID: PMC3439634.
132. Alexander, G., Ryan L., Bowers, D, Foster, T., Bizon, T., Geldmacher D.S., Glisky, E. Characterizing cognitive aging in humans with links to animal models. (2012) *Frontiers in Aging Neuroscience*. 4, 21. PMID: 22988439; PubMed Central PMCID: PMC3439638.
133. Zahodne, L., Marsiske, M., Okun, M.S., and Bowers, D. (2012). Components of depression in Parkinson disease. *J. Geriatric Psychiatry & Neurology*. Sept 25, 131-7 PMID: 22859701; PubMed Central PMCID: PMC3490054.
134. Jones, J., Malaty, I., Price CC, Okun, MS., Bowers, D. (2012) Health comorbidities and cognition in 1948 patients with idiopathic Parkinson disease. *Parkinsonism and Related Disorders*. 18 (10), 1073-1078 PMID:22776043
135. Dietz, J., Noecker, A., McIntyre, C.C., Bowers, D., Foote, K., Okun, M.S. (2013). Stimulation region within the GPI does not affect verbal fluency: Results from field modeling. *Brain Stimulation*. 6, 248-53. [Epub 2012 June 16] PMID: 22766102; PubMed Central PMCID: PMC3491090.
136. Okun, MS, Foote, K.D., Wu, S.S., Ward, H.E., Bowers, D., Rodriguez, R.L., Malaty, I., Goodman, W.K., Gilbert, D.M., Walker, H.C., Mink, J.W., Merritt, S., Morishita, T., Sanchez, J.C. (2013). A Trial of Scheduled Deep Brain Stimulation for Tourette Syndrome: Moving Away From Continuous DBS Paradigms. *JAMA Neurology*. 70, 85-94. PubMed PMID: 23044532.

137. Velez-Lago, F.M., Hardwick, A., Oyama, G., Thompson, A., Sporrer, J., Zeilman, P., Foote, K., Bowers, D., Ward, H., Sanchez-Ramos, Okun, M. (2013). Differential and better response to chorea compared to dystonia in Huntington's Disease DBS. *Stereotact Funct Neuroimaging*. 91, 129-133. [epub 2013 Jan 22]. PubMed PMID: 23343665.
138. Dietz, J., Jones, J., Bradley, M., Okun, M.S., Perlstein, W., Bowers, D. (2013). The late positive potential, emotion, and apathy in Parkinson's disease. *Neuropsychologia*, 51, 960-6. PubMed PMID: 23320979; PubMed Central PMCID: PMC3681426.
139. Zahodne, L.B., Marsiske, M.M., Bowers, D. (2013). A latent class analysis of psychological disturbance in Parkinson disease. *International Journal of Geriatric Psychiatry*. Oct;28(10):1054-60. doi: 10.1002 PMID:23307695, PMCID: PMC3656148.
140. Jordan, L., Zahodne, L., Okun, M.S., Bowers, D. (2013). Hedonic and behavioral deficits associated with apathy in Parkinson's disease. *Movement Disorders*, 28(9):1301-4 [epub 2013 May]. PubMed PMID: 23712560; PubMed Central PMCID: PMC3760996.
141. Gullett, J., Price, C., Nguyen, P.; Okun, M., Bauer, R.; Bowers, D. (2013). Reliability of three Benton Judgment of Line Orientation Short Forms in idiopathic Parkinson's Disease. *The Clinical Neuropsychologist*. 27(7):1167-78. PMID:23957375; PMCID: PMC3832287.
142. Libon, D., Swenson, R., Ashendorf, L., Bauer, R., Bowers, D. & Milberg, W. (2013). Edith Kaplan and the Boston Process Approach. *The Clinical Neuropsychologist*, 27(8), 1223-33. PMID: 23984756.
143. Price, C., Tanner, J., Schmalfuss, I., Gearen, P., Dickey, D., Heilman, K.M., McDonough, D.L., Libon, D., Leonard, C., Bowers, D., Monk, T. (2014). Presurgery neuroanatomical biomarkers for postoperative cognitive decline after total knee arthroscopy in older adults. *Anesthesiology*, 120 (3), 601-613. PMID: 24534857 PubMed Central PMCID: PMC3930070.
144. Jones, J., Jacobson, C., Murphy, M.C., Price, C.E., Okun, M.S., Bowers, D. (2014). Influence of hypertension on neurocognitive domains in non-demented Parkinson's disease patients. *Parkinson's Disease, 2014, Article ID 507529*, [http://dx.doi.org/10.1144/2014/507529]. PMID: 24587937 PMCID: PMC3920751.
145. Hassan, A., Vallabhajosula, S., Zahodne, L., Bowers, D. Okun, M.S., Fernandez, H.H., Hass, C. (2014). Correlates of apathy and depression with postural instability in Parkinson's disease. *J. Neurological Science*, Jan 2. Pii: S0022-510 (13)03111-0. PMID: 24461565
146. Nadeau, S., Bowers, D., Jones, T., Wu, S., Triggs, W.J., Heilman, K.M. (2014). Cognitive effects of treatment of depression with repetitive transcranial magnetic stimulation. *Cognitive & Behavioral Neurology*, 2014 Jun;27(2):77-87. PubMed PMID: 24968008
147. Morishita, T., Okun, M.S., Jones, J., Foote, K.D., Bowers, D. (2014). Cognitive declines after DBS are likely attributable to more than caudate penetration and lead location. *Brain*, May;137(Pt 5):e274. PubMed PMID: 24519976.
148. Okun, M.S., Wu, S., Fayad, S., Ward, H., Bowers, D., Rosado, C., Bowen, L., Jacobson, C., Butson, C., Foote, K. (2014). Acute and chronic mood and apathy outcomes from a randomized study of unilateral STN and GPi DBS. *PLoS One*. 2014 Dec 3;9(12):e114140. doi: 10.1371 PubMed PMID: 25469706; PubMed Central PMCID: PMC4254912.
149. Jones, J.D., Hass, C., Mangal, P., Lafo, J., Okun, M.S., Bowers, D. (2014). The Cognition and Emotional Well-Being Indices of the Parkinson's Disease Questionnaire-39: What do they really measure? *Parkinsonism and Related Disorders*. Vol 20 (11), 1236-1241. DOI: 10.1016, PMID: PMID:25260967 PubMed PMID: 25260967; PubMed Central PMCID: PMC4321103.
150. Jones, J., Hass, C., Okun, M.S., Bowers, D. (2015). Reply: The 'cognitions' index of the Parkinson's disease questionnaire-39 relates to sleep disturbances and hallucinations. *Parkinsonism and*

- Related Disorders*. Vol 21 (3), 351-2. doi: 10.1016/j.parkreldis.2014.12.002. Epub 2014 Dec 11. PubMed PMID: 25616693.
151. Jones, J., Butterfield, L., Song, W., Lafo, J., Mangal, P., Okun, M.S., & Bowers, D. (2015). Anxiety and depression are better correlates than apathy of Parkinson's disease quality of life. *J. of Clinical Neuroscience and Psychiatry*. 27(3), :213-8 [Epub 2014 Oct 31], PMID: 25162776, PMC4344415.
  152. Schwab, N. A., Tanner, J. J., Nguyen, P., Schmalfuss, I.M., Okun, M., Bowers, D., Price, C.C. (2015). Proof of principle: Transformation approach alters caudate nucleus volume and structure-function associations. *Brain Imaging and Behavior*, 9 (4), 744-53. PMID: 25413122, PMC4440856.
  153. Jones, J., Marsiske, M., Okun, M.S., Bowers, D. (2015). Latent growth curve analysis reveals that Parkinson disease quality of life is driven by depression *Neuropsychology*. 27, 213-218. [Epub ahead of print Nov 3 2014t] PMID:25365564 (published July)
  154. Lemonda, B., Giles, K., Peck, C., Bowers, D. (2015). Neurocognitive profile of a woman with Susac's Syndrome: Further evidence of cognitive variability. *The Clinical Neuropsychologist*, 29 (5), 689-706. PMID: 26304884.
  155. Tanner, J.J., Mareci, T., Okun, M.S., Bowers, D., Libon, D., Price, C. (2015). Temporal lobe and fronto-subcortical dissociations in nondemented Parkinson's disease with verbal memory impairment. *PLOS One*, 10(7) :e0133792. PMID: 26208170.
  156. Price, C.C., Tanner, J., Nyuyen, P., Schwab, N.A., Mitchell, S., Slonena, E., Brumback, B., Okun, M.S., Mareci, T.H., Bowers, D. (2016). Grey and white matter contributions to cognitive fronto-striatal deficits in nondemented Parkinson disease. *PLOS One*, 11(1), [e0147332], PMID 26784744.
  157. Price, C.C., Levy, S.A., Tanner, J., Garvan, C., Ward, J., Akbar, G., Bowers, D., Rice, M., Okun, M.S. (2015). Orthopedic surgery and post-operative cognitive decline in idiopathic Parkinson's disease: Considerations from a Pilot Study. *J. Parkinson's Disease*. 5 (4), 893-905. PMID: 26683785
  158. Lafo, J., Jones, J., Okun, M.S., Bauer, R.M., Price, C.P, Bowers, D. (2015). Memory similarities between Essential Tremor and Parkinson disease: A final common pathway. *The Clinical Neuropsychologist*, 29, 985-1001. [epub Dec 21, 2015], PMID: 26689342.
  159. Renfro, J.B., Bradley, M.M., Okun, M.S., Bowers, D. (2016) Motivational engagement in Parkinson disease: perception and preparation for action. *International Journal of Psychophysiology*, 99, 24-32. PMID:26659013.
  160. Higuchi, M., Martinez-Ramirez, D., Mrita, H., Topiol, D., Bowers, D., Ward, H., Warren, L., DeFranco, M., Hicks, J., Hegland, K.W., Troche, M.S., Kulkarni, S., Hastings, E., Foote, K., Okun, M.S. (2016). Interdisciplinary deep brain stimulation screening and the relationship to unintended hospitalizations and quality of life. *PLOS One*, 11(5): e0153785. Doi: 10.1371/ journal.pone.0153875. Ecollection 2016. PMID:27159519, PMC4861342.
  161. Higuchi, M., Martinez-Ramirez, D., Topiol, D., Ahmed, B., Morita, H., Hess, C., Bowers, D., Ward, H., Warren, L., DeFranco, M., Troche, M., Kulkarni, S., Monari, E., Foote, K., Okun, M.S. (2016). Impact of an interdisciplinary deep brain stimulation screening model on post-surgical complications of essential tremor patients. *PLOS One*. Dec 28; 10(12):e0145623. PMID: 26710099
  162. Scott, B.M., Maye, J., Jones, J., Thomas, K., Mangal, P., Trifilio, E., Hass, C., Marsiske, M., Bowers, D. (2016) Post-exercise pulse pressure is a better predictor of executive function than pre-exercise pulse pressure in cognitively normal older adults. *Aging, Neuropsychology, and Cognition*. 23(4):464-76. [epub ahead of print Dec 2, 1-13], PMID: 26629911.

163. Price, C.C., Tanner, J.J., Nguyen, P., Schwab, N., Mitchell, S., Slonena, E., Brumback, B., Okun, M.S., Mareci, T., Bowers, D. (2016). Grey and white matter predictors of cognitive frontal-striatal deficits in Parkinson's disease. *PLOS One*, Jan 19, 11(1):20147332. PMID:26784744.
164. Jones, J., Mangal, P., Lafo, P., Okun, M.S., Bowers, D. (2016). Mood differences among Parkinson disease patients with mild cognitive impairment. *J. Neuropsychiatry and Clinical Neuroscience*. 28 (3), 211-6. PMID: 26792098
165. Kaufman, D., Bowers, D., Okun, M.S., van Pattern, R., Okun, M.S., Perlstein, W.M. (2016). Apathy, novelty processing, and the P3 potential in Parkinson's disease. *Frontiers Neurology*, 7:95. (June 23), PMID: 27445962. <http://journal.frontiersin.org/article/10.3389/fneur.2016.00095/full>
166. Sisco, S., Slonena, E., Okun, M.S., Bowers, D., Price, C. (2016). Parkinson's disease and the Stroop Color Word Test: Processing speed and interference algorithms. *The Clinical Neuropsychologist*, 6, 1-14. PMID 27264121
167. Loewenstein, D.A., Curiel, R., Greig, M., Rosado, M., Bauer, R., Bowers, D., Wicklund, M., Crocco, e., Abhinay, J., Pontecorvo, M., Rodriguez, R., Barker, W., Hidalgo, J., & Duara, J. (2016). A Novel cognitive stress test for the detection of preclinical Alzheimer's disease. *American Journal of Geriatric Psychiatry*, 24(10), 804-13. doi: 10.1016/j.jagp.2016.02.056. PMID:27160985
168. Rossi, P., Opi, E., Shute, J.B., Molina, R., Bowers, D., Ward, H., Foote, K., Gunduz Aysegul, Okun, M.S. (2016). Scheduled, Intermittent stimulation of the thalamus reduces tics in Tourette syndrome. *Parkinsonism and Related Disorders*, 29, 35-41. PMID 27297737
169. Renfroe, J., Sege, C., Bradley, M., Bowers, D. (2016). Emotion modulation of late positive potential during picture free viewing in older and young adults. *PLOS One*, 11(9),:e0162323.doi: 10.1371/PMD: 27589393
170. Altman, L., Stegemoller, E., Bowers, D., Okun, M.S., Hass, C.L. (2016). Aerobic exercise improved mood, cognition, and language function in Parkinson's disease: Results of a controlled study. *J. International Neuropsychology Society*, 22(9), 878-889. PMID: 27655232
171. Almeida, L., Ahmed, B., Walz, R., DeJesus, S., Patterson, A., Martinez-Ramirez, D., Vaillancourt, D., Bowers, D., Ward, H., Okun, M.S., McFarland, N. (2017). Depressive symptoms are frequent in atypical parkinsonian disorders. *Movement Disorders Clinical Practice*. 4, 191-197.
172. Lafo, J., Mikos, A., Mangal, P., Scott, B., Trifilio, E., Okun, M.S., Bowers, D. (2017). Emotion modulation of the startle reflex in essential tremor: Blunted physiologic reactivity to unpleasant and unpleasant pictures. *Parkinson Disease and Related Disorders*, 34, 54-58. PMID: 28043747
173. Butterfield, L., Cimino, C., Salazar, R., Lee, C., Haley, W., Sanchez-Ramos, J., Okun, M.S., Bowers, D. (2017). The Parkinson's Active Living (PAL) program: A behavioral intervention targeting apathy in Parkinson's disease. *J. Geriatric Psychiatry and Neurology*. 30 (1), 11-25. PMID: 28248557.
174. Jones, J., Price, CE, Tanner, J., Okun, M.S., Bowers, D. (2017). Is cognition more vulnerable to the effects of cardiovascular risk in Parkinson patients versus controls: A neuroimaging and neuropsychological study. *J. International Neuropsychology Society*. 23, 1-10 PMID:28162137
175. Oliverio, S., Rodriguez, R., Bowers, d., Kantor, D., Monari, E., Scott, B., Okun, M.S., Foote, K.D. (2017). A randomized trial of dual lead thalamic DBS for the treatment of multiple sclerosis tremor. *Lancet Neurology*. 35 (14), 1570-76. (Sept)
176. Hazamy, A., Altmann, L.J., Stegemoller, E., Bowers, D., Lee, H, Okun, M.S., Hass, C.J. (2017). Improved cognition while cycling in Parkinson's Disease patients and healthy adults. *Brain & Cognition*, 113, 23-31.

177. Szymkowicz, S., Dotson, V.M., Jones, J., Okun, M.S., Bowers, D. (2017). Dimensions of depression and apathy and their relationship with cognition in Parkinson's disease. *Journal of International Neuropsychological Society*, 16, 1-14.
178. Morris, M., Bowers, D., Williamson, J., Heilman, K.M. (2017). Alterations of emotional reactivity following right temporal lobectomy. *Neurocase*, 23, 314-320.
179. Kay, D., Tanner, J., Bowers, D. (2018). Sleep disturbances and depression severity in patients with Parkinson's disease. *Brain and Behavior*. 8 (6), DOI: 10.1002/brb3.967
180. Lopez, C., Ferencz, B., Rohl, B., Trifilio, W., Scott, B., Okun, M.S., Marsiske, M., Bowers, D. (2019). Everyday functioning in Parkinson's Disease: Evidence from the Revised-Observed Tasks of Daily Living (OTDL-R). *Parkinsonism & Related Disorders*, 60: 167-170
181. Belser-Ehrlich, J., Lafo, J., Mangal, P., Bradley, M., Wicklund, M., Bowers, D. (2020). Neurocognitive profile of a man with Dandy-Walker Malformation: Evidence of subtle cerebellar affective syndrome. *The Clinical Neuropsychologist: Case Series*. April, 34 (3), 591-610, epub 2019, March.
182. Trifilio, E., Tanner, J., Butterfield, L., Mangal, P., Maye, J., Marsiske, M., Price, C., Bowers, D. (2020). A Tale of Two Stories: Validity of an alternative story memory set in a sample of older adults. *The Clinical Neuropsychologist*. 34, 158-173. Epub 2019, Jan 12.
183. Scott, B., Strutt, A., Lundberg-Love, Schmitt, A., Salzman, J., Martin, A., Jankovic, J., Bowers, D. (2019). Emotion regulation and neuropsychological status in functional neurological disorder variants. *Revista Iberoamericana de Neuropsicología*. 2(1), 30-42.
184. Lopez, F., Rohl, B., Wagle Shukla, A., Bowers, D. (2019) Sniffing out cognitive decline in patients with or without evidence of dopaminergic deficit. *Movement Disorders & Clinical Practice*. Dx.doi.org/10.1016/j.pardoa.2019.09.002.
185. Trout, J., Christiansen, T., Bulkley, M., Tanner, J., Bowers, D., Kay D. (2020). Cognitive impairments and self-reported sleep in early stage Parkinson's disease with vs without probable REM sleep behavior disorder. *Brain Sci*, 10, 9, doi:10.3390/brainsci10010009.
186. Scott, B.M., Eisenger, R.S., Burns, M., Lopes, J., Okun, M.S., Gunduz, A., Bowers, D. (2020). Co-occurrence of apathy and impulse control disorders in Parkinson's disease. *Neurology*. 2020 Nov 17;95(20):e2769-e2780. doi: 10.1212/WNL.0000000000010965. Epub 2020 Oct 1. PMID: 33004605.
187. Marra, D., Hamlett, K., Bauer, R.M., Bowers, D. (2020). Validity of teleneuropsychology for older adults in response to Covid-19: A systematic and critical review. *The Clinical Neuropsychologist*, Jun 10;1-42. doi: 10.1080/13854046.2020.1769192
188. Kenney, L.E., Rohl, B., Lopez, F.V., Lafo, J.A., Jacobson, C., Okun, M.S., Foote, K.D., Bowers, D. (2020). The UF Deep Brain Stimulation Cognitive Rating Scale (DBS-CRS): Clinical decision making, validity, and outcomes. *Frontiers Neuroscience*, 14, p 1-10; doi 10.3389/fnhum.2020.678216. (Sept 29)
189. Eisinger, R.S., Scott, B.M., Le, A., Torres, E., Lanese, J., Hundley, C., Nelson, B., Ravy, T., Lopes, M., Thompson, S., Sathish, S., O'Connell, R., Okun, M.S., Bowers, D., Gunduz, A. (2020). Pavlovian bias in Parkinson's disease: an objective marker of impulsivity that modulates with deep brain stimulation. *Scientific Reports*. Aug 10; 10(1): 13448. doi: 10.1038/s41598-020-69760-y.
190. Crowley, S.J., Banan, G., Amin, M., Tanner, J., Hizel, L., Nguyen, P., Brunback B., Rodriguez, K., McFarland, N., Bowers, D., Ding, M., Mareci, T., Price, C.C. (2021). Statistically Defined Parkinson's Disease Executive and Memory Cognitive Phenotypes: Demographic, Behavioral, and

- Structural Neuroimaging Comparison. *J. Parkinson's Disease*. 11(1), 283-297. 10.3233/JPD-202166.
191. Jones, J.D., Orozco, T., Bowers, D., Hu, W., Jabarkheel, Z., Foote, K.D., Okun, M.S., Shukla, A. (2020). Cognitive outcomes for essential tremor patients selected for thalamic deep brain stimulation surgery through interdisciplinary evaluations. *Frontiers in Human Neuroscience, section Brain Imaging and Stimulation*. Dec 11;14:578348. doi: 10.3389/fnhum.2020.578348. eCollection 2020
  192. Tsuboi, T., Lopes, J.L., Moore, K., Patel, B., Legacy, J., Ratajska, A., Bowers, D., Eisinger, R., Almedia, L., Foote, K.D., Okun, M.S., Ramirez- Zamora, A. (2020). Long-term clinical outcomes of bilateral GPI deep brain stimulation in advanced Parkinson's disease: 5 years and beyond. *J. Neurosurgery*. Oct 9:1-10. doi: 10.3171/2020.6.JNS20617. PMID: 33035998.
  193. Jones, J., Nielson, S., Trout, J., Swenson, B., Reily, J., Tanner, J., Bowers, D., Kay, D.B. (2021). A Validation Study of the PROMIS Sleep Disturbance (PROMIS-SD) and Sleep Related Impairment (PROMIS-SRI) Item Banks in Individuals with Idiopathic Parkinson's Disease and Matched Controls. *Journal of Parkinson Disease*., Feb 8 doi: 10.3233/JPD-202429. Epub ahead of print. PMID: 33579874
  194. Ratajska, A., Lopez, F., Kenney, L., Jacobson, C., Foote, K.D., Okun, M.S., Bowers, D. (2021). Cognitive subtypes in individuals with Essential Tremor seeking Deep Brain Stimulation. *The Clinical Neuropsychologist*. Feb 10:1-23. doi: 10.1080/13854046.2021.1882578
  195. Hewitt, K.C., Marra, D.E., Block, C., Cysique, L.A., Drane, D.L., Haddad, M.M., Łojek, E., McDonald, C.R., Reyes, A., Eversole, K., & Bowers, D. (2022). Central nervous system manifestations of COVID-19: A critical review and proposed research agenda. *The Journal of the International Neuropsychological Society*, 28 (3), 311-325.
  196. McLaughlin, N.C.R., Dougherty, D., Eskandar, E., Ward, H., Foote, K., Malone, D., Machado, A., Wong, W., Sedrak, M., Goodman, W., Koppell, B., Issa, F., Shields, D.C., Frye, M., Abulseoud, O., Lee, K.H., Widge, A., Deckersbach, T., Okun, M.S., Bowers, D., Bauer, R.M., Mason, D.M., Kubu, C., Bernstein, I., Lapidus, K., Rosenthal, D., Frank, J., Jenkins, R., Read, C., Malloy, P., Salloway, S., Strong, D., Jones, R., Rasmussen, S.A. & Greenberg, B.D. (2021). Double Blind controlled trial of Deep Brain Stimulation for Obsessive-Compulsive Disorder: Clinical Trial Design. *Contemporary Clinical Trials Communications*. 22. June, 100785, <https://doi.org/10.1016/j.conctc.2021.100785>
  197. Ratajska, A., Nisenzon, A., Lopez, F.V., Clark, A.L., Gokcay, D., Okun, M.S., Bowers, D. (2022). Laterality of motor symptom onset and facial expressivity in Parkinson disease. *Laterality*. 27 (1), 57-70. doi: 10.1080/1357650X.2021.1946077, epub2021 July 5
  198. Kenney, L., Ratajska, A., Lopez, F., Price, C., Armstrong, M., Bowers, D. (2021). Mapping actuarial criteria for Parkinson's Disease-mild cognitive impairment onto data driven cognitive phenotypes. *Brain Sciences*, 12, 54. <https://doi.org/10.3390/brainsci12010054>
  199. Lopez, FV, Kenney, L., Ratajska, A., Jacobson, C.E., Bowers, D. (2021). What does the Dementia Rating Scale-2 measure? The relationship between neuropsychological measures to DRS-2 subscale scores in nondemented individuals with Parkinson disease. *The Clinical Neuropsychologist*, Nov 15, 1-20; doi: 10.1080/13854035.2021.1999505.
  200. Chiu, S., Bowers, D., Armstrong, M. (2022). Lewy body Dementias: Controversies and drug development. *Neurotherapeutics*, 19, 55-67.
  201. Scott, B.M., Eisinger, R.S., Sankar, R., Benge, J., Hilsabeck, R., Okun, M.S., Gunduz, A., Bowers, D. (2022). Online versus face-to-face administration of impulse control disorders in Parkinson disease: Does method matter? *Neurology: Clinical Practice*, 12 (5):e93-397. Doi: 10.1212/CPJ.0000000000200074

202. Cagle, J., Okun, M.S., Cernera, S., Eisinger, R., Opri, E., Bowers, D., Ward, H., Mason, D., Foote, K.D., Gunduz, A. (2022). Embedded closed-loop deep brain stimulation (DBS) for Tourette Syndrome. *JAMA Neurology*. Online 9/12/2022, doi:10.1001/jamaneurol.2022.2741
203. Scott, B.M., Eisinger, R.S., Rana, A-N, Benge, J.F. Hilsabeck, R.C., Okun, M.S., Gunduz, A., Bowers, D. (2022). From pleasure to punding: Distinct patterns of anhedonia and impulsivity linked to motivational disturbances in Parkinson Disease. *Applied Neuropsychology: Adult.* Nov 21: 1-6, <https://doi.org/10.1080/23279095.2022.2146506>.
204. Schade, R., Springer, U.S., Mikos, A.E., Sapienza, C., Okun, M.S., Fernandez, H.H., Bowers, D. (2022). A pilot trial of dopamine replacement for dynamic facial expressions in Parkinson disease. *Movement Disorders Clinical Practice*. 10 (2), 213-222.
205. Ratajska, A.M., Scott, B.M., Lopez, F.V., Kenney, L.E., Foote, K.D., Okun, M.S., Price, C., Bowers, D. (2022). Differential contributions of depression, apathy, and anxiety to neuropsychological performance in Parkinson Disease vs Essential Tremor. *J. Clinical and Experimental Neuropsychology*. 44 (9), 651-655. DOI 10.1080/13803395.2022.2157796
206. Lopez, F.V., Schade, R., Ratajska, A., Kenney, L., Rodriguez, K., Ray, A., Santos, L., Bowers, D. (2023). Unpacking the NIH Toolbox Emotion Battery in persons with Parkinson disease. *Archives of Clinical Neuropsychology*. 38 (3), 205-212.
207. Kenney, L. E., Ratajska, A. M., Lopez, F. V., Marsiske, M., & Bowers, D. (2023). Early rapid eye movement sleep behavior disorder predicts incident cognitive impairment in individuals with de novo Parkinson's disease. *Parkinsonism & Related Disorders*. May;110:105392. doi: 10.1016/j.parkreldis. 2023.105392. Epub 2023 Apr
208. Lopez, F.V., O'Shea, A., Leeuwenburgh, C., Anton, S., Bowers, D., & Woods, A.J. (2023) Frontal adenosine triphosphate concentrations are associated with cognitive performance in older adults. *Frontiers of Aging Neuroscience*. Aug 8; 15: 1180994. . 2023 doi: 10.3389/fnagi.2023.1180994.
209. Kenney, L., Santos, L., Ray, A., Paredes, A., Ratajska, A., Eversole, K., Bowers, D. (2023, online ahead of print). Anticholinergic burden scales are not created equal: Differential relationships to cognition in Parkinson's disease. *Arch. Neuropsychology.*, Oct 8: acad067.114. doi; 10.193/arclin/acad067.114.
210. Joshi H., Sinha, P., Bowers, D., John, J.P. (2023). Dose response of transcranial near infrared light stimulation on brain functional connectivity and cognition in older adults – a randomized comparison. *Journal of Biophotonics*. Sept 30, 2023, <https://doi.org/10.1002/jbio.202300215>.
211. Ratajska, A., Etheridge, C., Lopez, FV, Kenney, L., Rodrigues, K., Schade, R., Gertler, J., Bowers, D. (2023, in press). Relationship between autonomic dysfunction and mood symptoms in de novo Parkinson's disease patients. *Journal of Geriatric Psychiatry and Neurology*.
212. Rodriguez, K., Schade, R., Lopez, FV, Kenney, L., Ratajska, A., Gertler, J., Bowers, D. (2023, in press). The Psychometric utility of the Cognitive Change index in individuals with Parkinson's disease or Essential Tremor. *Journal of International Neuropsychological Society*.
213. Scott, B.M., Eisinger, R.S., Thompson, S., Austin, T., Okun, M.S., Gunduz, A., Bowers, D. (2023 under review). Co-occurrence of apathy and impulse control disorders in Parkinson's disease: Do measures matter?
214. Lin, T., Rana, M., Liu, P., Polk, R., Heemskerk, A., Weisberg, S., Bowers, D., Sitaram, R., Ebner, N. (2023, under 2<sup>nd</sup> review). Real-Time fMRI neurofeedback training of selective attention in older adults.

215. Santos, L., Kenney, L.E., Ray, A., Paredos, A., Ratajska, A., Patel, B. Rawls, A., Okun, M.S. & Bowers, D. (2023, under 2<sup>nd</sup> review). Influence of anticholinergic medications on cognitive domains in Parkinson disease
216. Nielson, S., Jones, J., Trout, J., Tanner, J., Bowers, D. Kay, D. (2023, under review). Apathy is associated with multiple sleep disturbances in Parkinson's disease.
217. (2023, under review). Responsive Deep Brain Stimulation for the Treatment of Tourette Syndrome. (*Nature Medicine*).

### Published Reviews

1. Chui, S.Y., Bowers, D., Armstrong, M.J. (2022). Invited review: Lewy Body Dementias: Controversies and Drug Development. *Neurotherapeutics*. 19, 55-67
2. Kirsch-Darrow, L., & Bowers, D. (2010). Invited Review: Apathy may herald cognitive decline and dementia in Parkinson's disease. *Movement Disorders*
3. Heilman, K., Watson, R., and Bowers, D. (1982). Hemispheric asymmetries and hemispatial neglect. *The Behavioral and Brain Sciences*, 3, 305-306.

### Letters To Editor

1. Jones, J., Hass, C.J., Okun, M.S., Bowers, D. (2015). Reply: The 'cognitions' Index of the Parkinson's disease questionnaire-39 relates to sleep disturbances and hallucinations. *Parkinsonism and Related Disorders*. 21(3), 351-2. doi: 10.1016/j.parkreldis.2014.12.002. Epub 2014 Dec 11. PubMed PMID: 25616693.

### Chapters

1. Abel, H., Bowers, D. (2024, in press). Assessment of emotion, mood, and affect associated with neurological disorders. In M. Parsons & M. Braun (Eds), *Clinical Neuropsychology: Pocket Handbook of Neuropsychological Assessment*, 4<sup>th</sup> edition. Washington DC, American Psychological Association.
2. Hackney, M., Nocera, J., Bowers, D., Altman, L., Hass, C. (2015). The Chronic Exercise Cognition Interaction and Parkinson's Disease. In McMorris, T. (Ed)., *Exercise-Cognition Interaction: Neuroscience Perspectives*, New York: Academic Press.
3. Bowers, D., Jones, J., Dietz, J. (2014). Assessment of emotion, mood, and affect associated with neurologic disorders. In M. Parsons, M. & T. Hammeke (Eds). *Clinical Neuropsychology: Pocket Handbook of Neuropsychological Assessment*. Washington DC, American Psychological Association.
4. Bauer, R.M., Bowers, D. (2013). Intellectual Antecedents to the Boston Process Approach to Neuropsychological Assessment. In L. Ashendorf, R. Swenson, & D. Libon (eds.), *Boston Process Approach to Neuropsychological Assessment*. New York: Oxford University Press.
5. Heilman, K., Blonder, L.X., Bowers, D., Valenstein, E. (2011). Emotional disorders associated with neurologic disease. Chapter 15, pp. 466-503.210 In K. Heilman and E. Valenstein (Eds.), *Clinical Neuropsychology, 5th Edition*, New York: Oxford University Press.
6. Reckess, G., Zahodne, Z., Fennell, E., and Bowers, D. (2009). The Role of the Psychologist in Dystonia. In Okun, MS (ed.), *The Dystonia Patient: A Guide to Practical Management*. DemosMedical, New York, pp.183-210.



7. Bauer, R.M., Leritz, E., & Bowers, D. (2003). Research methods in neuropsychology. In J.A. Schinka, W.F. Velicer & I.B. Weiner (Eds.), *Comprehensive Handbook of Psychology, Volume 2: Research Methods in Psychology*, pp. 189-322. New York: John Wiley & Sons.
8. Heilman, K.M., Blonder, L.X., Bowers, D. (2003). Emotional disorders associated with neurologic disease. In K. Heilman and E. Valenstein (Eds.), *Clinical Neuropsychology, 4th Edition*, pp. 447-476. New York: Oxford University Press.
9. Blonder, L.X., Heilman, K.M., Bowers, D. (2000). Emotional disorders in neurologic disease. In J. Borod (Ed.), *The Neuropsychology of Emotion*, pp 367-412. New York: Oxford University Press.
10. Heilman, K.M., Bowers, D. (1996). Emotional disorders associated with hemispheric dysfunction. In B.S. Fogal, R. B. Schiffer, S. M. Rao (Eds.), *Neuropsychiatry: A Comprehensive Textbook*, pp. 401-407. Baltimore: Williams and Wilkins.
11. Heilman, K., Bowers, D., Valenstein, E. (1993). Emotional disorders associated with neurologic disease. In K. Heilman and E. Valenstein (Eds.), *Clinical Neuropsychology, 3rd Edition*, pp. 462-498, New York: Oxford University Press.
12. Heilman, K.M., Bowers, D., Valenstein, E., Watson, R.T. (1993). Disorders of visual attention. In C. Kennard (Ed.), *International Practice and Research: Neurology*, pp. 389-413. London: Balliere Tindall.
13. Heilman, K., and Bowers, D. (1990). Neuropsychological studies of emotional changes induced by right and left hemisphere lesions. In N. Stein, B. Leventhal, & T. Trabasso (Eds.), *Psychological and Biological Approaches to Emotion*, pp. 97-113, Hillsdale, NJ: Erlbaum.
14. Verfaellie, M., Bowers, D., and Heilman, K.M. (1989). Attentional processes in spatial S-R compatibility. In R. Proctor & T. Reeve (Eds.) *Stimulus-Response Compatibility: Advances in Psychology*, pp. 261-275, New York: North Holland.
15. Heilman, K., Bowers, D., Valenstein, E., and Watson, R. (1987). Hemispace and hemispatial neglect. In M. Jeannerod (Ed.), *Neurophysiological and Neuropsychological Aspects of Spatial Neglect*, pp. 115-150, Amsterdam: North Holland Publishers.
16. Heilman, K., Bowers, D., and Valenstein, E. (1985). Emotional disorders associated with neurological disease. In K. Heilman and E. Valenstein (Eds.), *Clinical Neuropsychology, 2nd Edition*, pp. 377-402, New York: Oxford University Press.
17. Heilman, K., Watson, R., and Bowers, D. (1983). Affective disorders associated with hemispheric disease. In K. Heilman and P. Satz (Eds.), *Neuropsychology of Human Emotion*, pp. 173-185. New York: Guilford Press.
18. Heilman, K.M. and Bowers, D. (1982). Affective disorders induced by hemispheric dysfunction. In H. Kirshner and F. Freeman (Eds.), *The Neurology of Aphasia*, pp. 173-185, B.U. Holland: Swets and Zeitlinger.

### **Refereed Presentations/Abstracts at Professional Meetings**

1. Bowers, D. and Heilman, K.M. (1975, February). *Hemispheric asymmetries of arousal*. Paper presented at 8<sup>th</sup> annual meeting of International Neuropsychological Society. Tampa, FL.
2. Heilman, K.M., Bowers, D., and Rasbury, W. (1975, November). *The role of complex maskers in the production of attentional asymmetries*. Poster presented at annual meeting of Society for Neuroscience. (Abstract: Neuroscience Abstracts, 1, 18, 1975).
3. Heilman, K.M., Bowers, D., Watson, R.T., and Greer, M. (1975, September). *Reaction time studies*

- in Parkinson's Disease*. Poster presented at annual meeting of American Neurological Association. September 1975. New York, NY. (Abstract: Transactions of the American Neurological Association, 100, 199-200).
4. Bowers, D., Heilman, K.M., Satz, P., and Altman, A. (1976, February). *Simultaneous performance on verbal, nonverbal, and motor tasks by right and left handers*. Paper presented at the 9<sup>th</sup> annual meeting of International Neuropsychological Society, Toronto, Canada.
  5. Bowers, D. and Heilman, K.M. (1978, February). *Pseudoneglect in normals using a tactile line bisection task*. Paper presented at 11<sup>th</sup> annual meeting of International Neuropsychological Society. February 1978. Minneapolis, MN.
  6. Bowers, D. and Heilman, K.M. (1979, February) *Material specific hemispheric activation*. Paper presented at the 12<sup>th</sup> annual meeting of International Neuropsychological Society. New York, NY.
  7. Bowers, D. (1980, August). *Hemispatial effects on laterality tasks*. Invited Speaker. Symposium on: Models and Mechanisms of Cerebral Laterality. Paper presented at annual meeting of American Psychological Association. Montreal, Canada.
  8. Bowers, D., Van den Abell, T., and Heilman, K.M. (1980, February). *Hemisphere-Visual Half Field (VHF) compatibility*. Paper presented at the 13<sup>th</sup> annual meeting of International Neuropsychological Society. San Francisco, CA. (Abstract: International Journal Neuroscience, 12, 238).
  9. Bowers, D. and Heilman, K.M. (1981, February). *Dissociation between the processing of affective and nonaffective faces*. Paper presented at the 14<sup>th</sup> annual meeting of International Neuropsychology Society. Atlanta, GA. (Abstract: International Journal of Neuroscience).
  10. Heilman, K.M., Bowers, D., Valenstein, E., and Watson, R.T. (1981, April). *A nonvisual test for hemispatial neglect*. Poster presented at annual meeting of American Academy of Neurology. Toronto, Canada. (Abstract - Neurology 31, 11).
  11. Bauer, R., Bowers, D., Heilman, K.M., and Spencer, T. (1982, February). *Head versus body midline as a reference point for hemisphere*. Paper presented at 15<sup>th</sup> annual meeting of International Neuropsychology Society. Pittsburgh, PA. (Abstract: International Journal of Neuroscience).
  12. Heilman, K.M., Bowers, D., Speedie, L., and Coslett, H.B. (1983, April). *Comprehension of emotional and nonemotional prosody*. Paper presented at American Academy of Neurology. San Diego, CA. (Abstract: Neurology, )
  13. Heilman, K.M., Bowers, D., and Watson, R.T. (1983). *Pseudoneglect in a callosally disconnected patient*. Paper presented at annual meeting of American Neurologic Association. (Abstract: Annals of Neurology, 12, 96).
  14. Heilman, K.M., Bowers, D., and Coslett, H.B. (1983, April). *Directional hypokinesia in neglect*. Poster presented at annual meeting of American Academy of Neurology. San Diego, CA. (Abstract – Neurology, 33, 104.)
  15. Bowers, D., Coslett, H.B., and Heilman, K.M. (1984, February). *Comprehension of emotional messages by patients with unilateral hemispheric lesions: Processing versus distraction deficits*. Paper presented at 17<sup>th</sup> annual meeting of International Neuropsychology Society. Houston, TX.
  16. Bowers, D., Bauer, R., Coslett, H.B., and Heilman, K.M. (1984, February) *Processing of facial affect and facial identity by patients with unilateral hemispheric lesions*. Paper presented at the 17<sup>th</sup> annual meeting of International Neuropsychology Society. Houston, TX.
  17. Coslett, H.B., Bowers, D., and Heilman, K.M. (1984, February). *Hemispatial memory asymmetries*. Paper presented at the 17<sup>th</sup> annual meeting of International Neuropsychology Society. Houston,

TX.

18. Coslett, H.B., Bowers, D., Verfaellie, M., and Heilman, K.M. (1984, February) *Phonologic memory impairment with "minor" Broca's aphasia*. Paper presented at the 17<sup>th</sup> annual meeting of International Neuropsychology Society. Houston, TX.
19. Williams, C.S., Bowers, D., and Heilman, K.M. (1984, February) *Effects of hemispace on verbal and nonverbal laterality tasks*. Paper presented at 17<sup>th</sup> annual meeting of International Neuropsychology Society. Houston, TX.
20. Coslett, H.B., Bowers, D., and Heilman, K.M. (1984, April) *Reduction in cognitive activation following right hemisphere damage*. Poster presented at American Academy of Neurology. Boston, MA. (Abstract: Neurology, 34, 190).
21. Bowers, D., Verfaellie, M., Valenstein, E., and Heilman, K.M. (1985, February). *Impaired memory for temporal order in an amnesic with lesions of the left hippocampus and the left retrosplenial region*. Paper presented at the 18<sup>th</sup> annual meeting of the International Neuropsychology Society. San Diego, CA. (Abstract: Journal of Clinical and Experimental Neuropsychology 7: 1985)
22. Verfaellie, M., Bowers, D., Williams, C.S., and Heilman, K.M. (1985, February) *Dissociation of attention and intention in normal subjects*. Presented at 18<sup>th</sup> annual meeting of International Neuropsychology Society. San Diego, CA. (Abstract: Journal of Clinical and Experimental Neuropsychology 7: 1985).
23. Speedie, L., Folstein, S., Bowers, D., and Heilman, K.M. (1985, February). *Comprehension of prosody in Huntington's disease*. Paper presented at 18<sup>th</sup> annual meeting of International Neuropsychology Society. San Diego, CA. (Abstract: Journal of Clinical and Experimental Neuropsychology, 7, 49).
24. Meador, K., Bowers, D., Watson, R.T., and Heilman, K.M. (1985, February). *Hypometric apraxia with hemispatial/limb hypokinesia*. Poster presented at the 18<sup>th</sup> annual meeting of International Neuropsychology Society. San Diego, CA. (Abstract: Journal of Clinical and Experimental Neuropsychology 7, 41).
25. Meador, K., Hammond, E., Bowers, D., and Heilman, K.M. (1985, February). *Auditory cognitive evoked potential correlates of levels of processing*. Paper presented at the 18<sup>th</sup> annual meeting of the International Neuropsychology Society, San Diego, CA. (Abstract: Journal of Clinical and Experimental Neuropsychology, 7, 34).
26. Coslett, H.B., Bowers, D., Haws, B., and Heilman, K.M. (1985, February). *An analysis of the determinants of hemispatial performance*. Presented at the 18<sup>th</sup> annual meeting of International Neuropsychology Society. San Diego, CA. (Abstract: J. Clinical and Experimental Neuropsychology 7, 34).
27. Meador, K.J., Hammond, E., Allen, M., Bowers, D., and Heilman, K.M. (1985, April). *Cognitive evoked potentials and recent memory disorders*. Presented at annual meeting of American Academy of Neurology, Dallas, TX. (Abstract: Neurology, 35, 129).
28. Verfaellie, M., Bowers, D., and Heilman, K.M. (1985, November). *The influence of attentional manipulations on stimulus-response compatibility*. Presented at annual meeting of the Psychonomics Society. Boston, MA. (Abstract – Bulletin of the Psychonomic Society, 23, 290).
29. Bowers, D., Verfaellie, M., and Heilman, K.M. (1986, February) *Paradoxical recency judgments in retrosplenial amnesia*. Presented at 19<sup>th</sup> annual meeting of the International Neuropsychology Society. Denver, Colorado. (Abstract: J. Clinical & Experimental Neuropsychology, 8: 1986).
30. Verfaellie, M., Bauer, R., and Bowers, D. (1986, February) *Preserved activation of memory traces in an amnesic with a lesion of the left retrosplenial-fornix region*. Paper presented at the 19<sup>th</sup> annual meeting of International Neuropsychology Society. Denver, Colorado. (Abstract: J. Clinical &

Experimental Neuropsychology, 8: 1986).

31. Cimino, C. and Bowers, D. (1986, February) *Hemispatial effects in two tactuospatial line orientation tasks*. Presented at the 19<sup>th</sup> annual meeting of the International Neuropsychological Society. Denver, Colorado. (Abstract: J. Clinical & Experimental Neuropsychology, 8: 1986).
32. Bauer, R.M., Rediess, S., Verfaellie, M., Walker, V., Shrier, R., Bowers, D., and Watson, R.T. (1986, February) *Electrodermal discrimination without verbal recognition in Korsakoff and Alzheimer patients*. Presented at 19<sup>th</sup> annual meeting of the International Neuropsychology Society. Denver, Colorado. (Abstract: J. Clinical & Experimental Neuropsychology, 8, 1986).
33. Meador, K.J., Loring, D.W., Bowers, D., and Heilman, K.M. (1986, April) *Remote memory and neglect syndrome*. Paper presented at the annual meeting of the American Academy of Neurology. New Orleans, Louisiana. (Abstract - Neurology 36, Suppl. 1, p. 170, 1986).
34. Coslett, H.B., Bowers, D., Fitzpatrick, E., Haws, B., and Heilman, K.M. (1986, April) *Hemispatial hypokinesia and hemisensory inattention in neglect*. Presented at American Academy of Neurology. New Orleans, Louisiana. (Abstract - Neurology 36, Suppl. 1, p. 334, 1986).
35. Bowers, D., Verfaellie, M., and Rapsack, S. (1987, February) *Different forms of temporal amnesia following basal forebrain versus retrosplenial lesions in man*. Paper presented at 20<sup>th</sup> annual meeting of the International Neuropsychology Society. Washington, D.C. (Abstract: J. Clinical & Experimental Neuropsychology 9:15, 1987).
36. Bowers, D. and Heilman, K.M. (198, February) *Syndromes of facial affect processing*. Paper presented at the 20<sup>th</sup> annual meeting of the International Neuropsychology Society. Washington, D.C. (Abstract: J. Clinical & Experimental Neuropsychology 9:58, 1987).
37. Bowers, D., Heilman, K.M., Rapsack, S., Verfaellie, M., and Watson, R.T. (1988, February) *Panamnesia following lesions of the basal forebrain*. Paper presented at annual meeting of International Neuropsychology Society. New Orleans, Louisiana (Abstract: J. Clinical and Experimental Neuropsychology 10: 1988).
38. Cimino, C.R., Verfaellie, M., Bowers, D., and Heilman, K.M. (1988, January) *Emotional autobiographical memory in right hemisphere damaged patients*. Paper presented at 21<sup>st</sup> annual meeting of International Neuropsychological Society. New Orleans, Louisiana. (Abstract: J. Clinical & Experimental Neuropsychology 10: 1988).
39. Heilman, K.M., Bowers, D., Watson, R.T., Valenstein, E., Day, A., Hammond, E., and Duara, Ranjan (1988, April). *Fluorodeoxyglucose positron emission tomography in a patient with retrosplenial amnesia and aberrant directed attention*. Presented at annual meeting of American Academy of Neurology. Cincinnati, Ohio. (Abstract: Neurology 38: 20 [Suppl. 1], 1988).
40. Martin, R., Meador, K., Loring, D., Bowers, D., and Heilman, K. (1989, February). *The contribution of an imaginal code to verbal memory*. Presented at 22<sup>nd</sup> annual meeting of the International Neuropsychological Society. Vancouver, B.C., Canada. (Abstract: J. Clinical & Experimental Neuropsychology 11, 1989).
41. Bowers, D., White, T., and Bauer, R.M. (1989, April) *Recall of 3 words after 5 minutes: its relation to performance on complex neuropsychological memory tests*. Paper presented at the annual meeting of the American Academy of Neurology. Chicago, Illinois. (Abstract: Neurology 39: [Suppl. 1], 1989).
42. Bowers, D., Heilman, K., Duara, R., Verfaellie, M., and Valenstein, E. (1989, October) *Semantic encoding in a retrosplenial amnesia with thalamic hypometabolism and frontal hypermetabolism*. Paper presented at annual meeting of the Memory Disorders Research Society. Boston, Massachusetts.
43. White, T., Bauer, R., and Bowers, D. (1989, November). *Recall of 3 words after 5 minutes: its*

*relation to performance on neuropsychological memory tests.* Presented at annual meeting of National Academy of Neuropsychology. Washington, D.C.

44. Bowers, D., Blonder, L., Feinberg, T., and Heilman, K. (1990, February). *Emotional versus visual object imagery: Differential impact of right versus left hemisphere lesions.* Presented at the 23<sup>rd</sup> annual meeting of the International Neuropsychological Society, Orlando, Florida. (Abstract: J. Clinical & Experimental Neuropsychology 12:84, 1990).
45. Maher, L., Ochipa, C., Bowers, D., Rothi, L.J., Blonder, L.X., and Heilman, K.M. (1990, February). *Ideomotor apraxia and visual imagery.* Presented at the 23<sup>rd</sup> annual meeting of International Neuropsychological Society, Orlando, Florida. (Abstract: J. Clinical & Experimental Neuropsychology 12:89, 1990).
46. Cimino, C., Bowers, D., and Heilman, K. (1990, February). *Psychophysiological responses to laterally presented emotional stimuli.* Presented at the 23<sup>rd</sup> annual meeting of International Neuropsychological Society, Orlando, Florida. (Abstract: J. Clinical & Experimental Neuropsychology 12:44, 1990).
47. Blonder, L., Bowers, D., and Heilman, K. (1990, February). *The role of the right hemisphere in emotional communication.* Presented at the 23<sup>rd</sup> annual meeting of International Neuropsychological Society, Orlando, Florida. (Abstract: J. Clinical & Experimental Neuropsychology 12:33, 1990).
48. White, T., Bauer, R., and Bowers, D. (1990, February). *The 3 words in 5 minutes test: I. Discriminant analysis of its ability to predict impairment on neuropsychological memory tests.* Presented at the 23<sup>rd</sup> annual meeting of the International Neuropsychological Society. Orlando, Florida. (Abstract: J. Clinical & Experimental Neuropsychology 12: 59, 1990).
49. Doty, L., Bowers, D., and Heilman, K. (1990, November). *Florida Mental Status Exam for Progressive Dementia Screening.* Presented at annual meeting of Gerontological Society of America, Boston, Massachusetts. (Abstract: The Gerontologist 30:20A [Special Issue], 1990).
50. Morris, M., Bradley, M., Bowers, D., Lang, P., and Heilman, K. (1991, February). *Valence-specific hypoarousal following right temporal lobectomy.* Presented at the 24<sup>th</sup> annual meeting of the International Neuropsychology Society, San Antonio, Texas. (Abstract: J. Clinical & Experimental Neuropsychology 13:42, 1991).
51. Morris, M., Heilman, K., and Bowers, D. (1991, February) *Amnesia following a discrete basal forebrain lesion.* Presented at the 24<sup>th</sup> annual meeting of International Neuropsychology Society, San Antonio, Texas. (Abstract: J. Clinical & Experimental Neuropsychology 13:21, 1991).
52. Glantz, M., Bowers, D., Heilman, K., Morris, M., Cimino, C., and Blonder, L. (1991, February) *Autobiographical memory: Valence specific effects in LHD and RHD patients.* Presented at the 24<sup>th</sup> annual meeting of International Neuropsychology Society, San Antonio, Texas. (Abstract: J. Clinical & Experimental Neuropsychology 13:68, 1991).
53. Ochipa, G., Rapcsak, S., Maher, L., Bowers, D., Rothi, L., and Heilman, K. (1991, February). *Selective deficit of motor imagery in ideomotor apraxia.* Presented at 24<sup>th</sup> annual meeting of the International Neuropsychology Society, San Antonio, Texas. (Abstract: J. Clinical & Experimental Neuropsychology 13:54, 1991).
54. Blonder, L., Bowers, D. and Heilman, K. (1991, February) *Logical inference following right hemisphere damage.* Presented at the 24<sup>th</sup> annual meeting of the International Neuropsychology Society, San Antonio, Texas. (Abstract: J. Clinical & Experimental Neuropsychology, 13:39, 1991).
55. Maher, L., Bowers, D., Rapcsak S., Ochipa, C., and Heilman, K. (1991, February). *Visual Imagery in two cases of cortical blindness.* Presented at the 24<sup>th</sup> annual meeting of the International Neuropsychology Society, San Antonio, Texas. (Abstract: J. Clinical & Experimental Neuropsychology 13:39, 1991).

56. Greve, K., Bauer, R.M., Bowers, D. (1991, February). *Failure of implicit access to affective facial representations in right hemisphere disease*. Presented at the 24<sup>th</sup> annual meeting of the International Neuropsychology Society, San Antonio, Texas. (Abstract: Journal of Clinical and Experimental Neuropsychology, 13:25, 1991).
57. Blonder, L., Burns, A., Bowers, D., Heilman, K. (1991, February). *Right hemisphere facial expressivity during natural conversation*. Presented at the 24<sup>th</sup> annual meeting of the International Neuropsychology Society, San Antonio, Texas. (Abstract: Journal of Clinical and Experimental Neuropsychology, 13:94, 1991).
58. Bauer, R., Verfaellie, M., Greve, K., Bowers, D., Rediess, S., Schramke, D. (1991, February) *Verbal and electrodermal response to levels of processing manipulation in Korsakoff and Alzheimer's patients*. Presented at the 24<sup>th</sup> annual meeting of the International Neuropsychological Society, San Antonio, Texas. (Abstract: J. Clinical & Experimental Neuropsychology 13:110, 1991).
59. Bowers, D., Heilman, K. (1992, February). *Issues in the perception of nonverbal affect signals*. Invited Speaker. Symposium on Emotion and the Brain (J.C. Borod, Organizer), Presented at the 25<sup>th</sup> annual meeting of the International Neuropsychological Society, San Diego CA. (Abstract: J. Clinical & Experimental Neuropsychology 4:51, 1992).
60. Richardson, C., Bowers, D., Eyeler, L., Heilman, K. (1992, February). *Asymmetrical control of emotional facial expression depends on the means of elicitation*. Presented at the 25<sup>th</sup> annual meeting of the International Neuropsychology Society, San Diego, CA. (Abstract: J. Clinical & Experimental Neuropsychology 14:95, 1992).
61. Morris, M., Bowers, D., Verfaellie, M., Blonder, LX, Cimino, C., Bauer, R., Heilman, K. (1992, February) *Emotional memory in right and left hemisphere damaged patients*. Presented at the 25<sup>th</sup> annual meeting of International Neuropsychology Society, San Diego, CA. (Abstract: J. Clinical & Experimental Neuropsychology 14:95, 1992).
62. Morris, M., Bowers, D., Verfaellie, M., Blonder, LX, Cimino, C., Bauer, R., Heilman, K. (1992, February) *Lexical denotation and connotation in right and left hemisphere damaged patients*. Presented at the 25<sup>th</sup> annual meeting of the International Neuropsychology Society, San Diego, CA. (Abstract: J. Clinical & Experimental Neuropsychology 14:105, 1992).
63. Bowers, D. (1992, July). Symposium on '*Behavioral and Neurologic Aspects of Social Communication Disorders in Children*' (Organizer and chair). Presented at the 25<sup>th</sup> annual mid-year meeting of the International Neuropsychology Society, Durham England (Abstract: J. Clinical & Experimental Neuropsychology).
64. Blonder, L.X., Burns, A., Bowers, D., Moore, R., & Heilman, K. (1992, July). *Spontaneous gesturing following right hemisphere damage*. Presented at the 25<sup>th</sup> mid-year meeting of the International Neuropsychology Society, Durham, England. (Abstract: J. Clinical & Experimental Neuropsychology, June 1992).
65. Jacobs, D., Bowers, D., Heilman, K. (1993, April). *Impaired facial emotional imagery in patients with Parkinson's disease*. Presented at the annual meeting of the American Academy of Neurology, New York. (Abstract: Neurology 43: Supplement 2 A276, 1993).
66. Bowers D., Richardson, C., Heilman, K., & Eyeler, L. (1994, February) *Dissociations between the perception and production of facial emotions*. Presented at the 27<sup>th</sup> annual meeting of the International Neuropsychology Society, Cincinnati, OH. (Abstract: J. Clinical & Experimental Neuropsychology).
67. Richardson, C., Bowers, D., Leonard, C.M., & Heilman, K.M. (1994, February). *Utility of digitized imaging for facial asymmetry research*. Presented at the 27<sup>th</sup> annual meeting of the International Neuropsychology Society, Cincinnati, OH. (Abstract: J. Clinical & Experimental Neuropsychology).

68. Kegl, J., Gilmore, R., Fennell, E., Bower, D., Poizner, H., & Heilman, K. (1994). *WADA testing of a deaf, left-handed ASL signer reveals right dominance for language*. Presented at the 27<sup>th</sup> annual meeting of the International Neuropsychology Society, Cincinnati, OH. J. Clinical & Experimental Neuropsychology.
69. Gilmore, R., Kegl, J., C. Leonard, D. Bowers, S. Roper, E. Fennell, H. Poizner, K. Heilman. (1994, March). *Functional cortical mapping of a left-handed deaf signer of ASL, right dominant for spoken and signed language*. Presented at the annual meeting for the Society for Cognitive Neuroscience. San Francisco, CA.
70. Bowers, D., Bauer, R., Verfaellie, M., & Valenstein, E. (1994, November). *Retrograde amnesia following a retrosplenial lesion*. Presented at the annual meeting for the Society for Neuroscience, Miami FL. (Abstract: Neuroscience Abstracts, 1994, pp. )
71. Eckert, M.A., Lucas, T., Bowers, D., Leonard, C., Quisling, R., Gilmore, R. (1995, September). *Hippocampal MR volumes as a function of onset and duration in patients with left temporal lobe epilepsy*. Presented at the annual meeting of the American Electroencephalographic Society, Washington, DC.
72. Slomine, B., Bowers, D., Heilman, K.M., Bauer, R.M., & Bradley, M. (1995, November). *Shock induced anticipatory anxiety: Impact of right or left hemispheric lesions in humans*. Presented at the annual meeting of the Society for Neuroscience, San Diego (Abstract: Neuroscience Abstracts, 1995).
73. Eckert, M.A., Gautier, E., Gilmore, R., Kuldau, J., Bowers, D., Flynn, T., Quisling, R., & Leonard, M. (1995, November). *Superior temporal gyrus in schizophrenia and epilepsy*. Presented at the annual meeting for Society for Neuroscience, San Diego (Abstract: Neuroscience Abstracts 1995).
74. Briggs, R., Crosson, B., Sadek, J., Gokcay, D., Gordon, M. Kim, M., Crucian, G., Bowers, D., Nadeau, S., Anderson, J., Heilman, K. (1996, January). *Preliminary results from fMRI studies of motor activity at 1.5T*. Radiology Research Day, University of Florida, January 1996.
75. Bowers, D., Blonder, L.X., Slomine, B., Heilman, K. (1996, March). *Nonverbal Affect Signals: Patterns of deficits following hemispheric strokes using the Florida Affect Battery*. Paper presented at the annual meeting of the American Academy of Neurology, San Francisco (Abstract: Neurology, February 1996).
76. Chaskes, R., & Bowers, D. (1996, February). *Gender differences in the hedonic perception of odors*. Women's Health and Research: Applying the National Agenda. Gainesville, FL February 16, 1996.
77. Chaskes, R., Bowers, D. (1996, April). *Laterality effects in the hedonic perception of odors*. Presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.
78. Kegl, J., Gilmore, R., Leonard, C., Bowers, D. Fennell, E., Roper, S. Trowbridge, P., Poizner, H., Heilman, K. (1996, August). *Lateralization and intrahemispheric localization studies of a familial left-handed deaf, epileptic signer of American Sign Language*. Presented at the 7<sup>th</sup> annual meeting of TENNET VII, Toronto, Canada.
79. Behrman, A., Light, K., Flynn, S., Bowers, D., Triggs, W., Friedman, W. (1996, November) *Upright mobility in Parkinson's Disease: Backward walking is the most difficult*. Presented at the annual meeting of the Society for Neuroscience, Washington, DC. (Abstract: Neuroscience Abstracts, November 1996).
80. Light, K., Behrman, S., Flynn, S., Bowers, D., Friedman, W. (1996, November). *Timing of functional movements for individuals with Parkinson's disease*. Washington DC. (Abstract: The Gerontologist).
81. Stearns, B., Bowers, D. Eckert, M., Lucas, T., Gilmore, R., Roper, S., Leonard, C., Barta, P. (1996, December). *Volumetric amygdala asymmetries differ from hippocampal asymmetries in temporal lobe epilepsy*. Presented at the annual meeting of the American Epilepsy Society, San Francisco,

CA, December 1996.

82. Rogish, M., Zawacki, T., Schaffer, D., Gilmore, R., Bowers, D. (1997, February). *Crossmodal association of emotional stimuli in patients with unilateral anterior temporal lobe dysfunction*. Presented at the 30<sup>th</sup> annual meeting of the International Neuropsychology Society, Orlando, FL.
83. Bowers, D. (1997). *Startling Facts about Emotion: New Approaches to the Psychological study of emotion*. Workshop. Bowers (organizer). Pre-workshop presented at the 30<sup>th</sup> annual meeting of the International Neuropsychology Society, Orlando, FL.
84. Doty, L., Lombardi, D., Heilman, K.M., Bowers, D., Stewart, J., Gonzalez-Rothi, L. (1997, March). *Evaluation of Guidebook for family caregivers of patients with progressive dementia*. Women's Health and Research Conference, Gainesville, FL, March 1997.
85. Delisle, C., Eckert, M., Lucas, M., Bowers, D., Leonard, C., Barta, P. (1997, April) *MRI volumetric analysis of the amygdala and hippocampus involving verbal memory in Parkinson's disease*. Presented at annual meeting of the Southeast Psychological Association, Atlanta, GA.
86. Bowers, D., Crucian, G., Friedman, W.A., Triggs, W. Behrman, A., Greer, M. (1997, April). *Memory and neuropsychological status following computerized image guided stereotactic pallidotomy in Parkinson's Disease*. Presented at annual meeting of American Academy of Neurology, Boston, MA, (Abstract: Neurology, S1, 1997).
87. Bowers, D., Eckert, M., Gilmore, R., Bauer, R., Roper, S., Leonard, T., Bradley, M., Lang, P., Barta, P. (1997, October) *Startle eyeblink magnitude in humans depends on extent of right amygdala removal*. Presented at annual meeting of *Society for Neuroscience*, New Orleans, LA. (Abstract: Neuroscience Abstracts, October 1997.)
88. Bowers, D. (1997, December) *New paradigms for the study of emotional reactivity in temporal lobe epilepsy*. Invited speaker. Presented at the annual meeting of the American Epilepsy Society. Boston, MA.
89. Bowers, D. Gilmore, R. Bauer, R., Rogish, M., Kortenkamp, S., Gokcay, D., Bradley, M. & Roper, S. (1998, November). *Affect modulation of startle is disrupted by right, but not left, temporal resections involving the amygdala*. Presented at annual meeting of Society for Neuroscience, Los Angeles, CA. (Abstract: Neuroscience Abstracts Oct 1998).
90. Gilmore, R., Bowers, D., Bauer, R., Rogish, M., Kortenkamp, S., Gokcay, D., Bradley, M., Roper, R. (1998, December) *Startle modulation in complex partial epilepsy*. American Epilepsy Society, San Francisco, CA.
91. Bowers, D., Rogish, M. Eckert, M., Kortenkamp, S. Gilmore, R., Roper, S. (1999, February) *Decoding nonverbal social signals of fear and threat by patients with unilateral temporal ablations involving the amygdala*. Presented at the 32<sup>nd</sup> annual meeting of International Neuropsychology Society, Boston, MA. (Abstract: J. Clinical & Experimental Neuropsychology).
92. Kortenkamp, S., Bowers, D., Rogish, M., Bauer, R., Gilmore, R., Roper, S. (1999, February). *Odor affectivity: Impact of anterior temporal lobectomy*. Presented at the 32<sup>nd</sup> annual meeting of International Neuropsychology Society, Boston, MA. (Abstract: J. Clinical & Experimental Neuropsychology).
93. Crucian, G., Keiller, J., Hughes, J., Barrett, Williams, D, Bowers, D., Heilman, K. (1999, February). *Hemispheric differences in emotional reactions to false feedback*. Presented at the 32<sup>nd</sup> annual meeting of International Neuropsychology Society, Boston, MA. (Abstract: J. Clinical & Experimental Neuropsychology).
94. McCoy, K., Kortenkamp, S., Rossi, R, Bowers, D., Triggs, W., Greer, R. (1999, February) *Neuropsychological sequelae of transcranial magnetic stimulation for treatment of depression*. Presented at the 32<sup>nd</sup> annual meeting of International Neuropsychology Society, Boston, MA.



(Abstract: J. Clinical & Experimental Neuropsychology).

95. Bowers, D., Rogish, M., Kortenkamp, S., Gilmore, R., Roper, S. (1999, April). *Processing fear and threat signals following temporal lobe lesions*. Presented at the annual meeting of the Cognitive Neuroscience Society, Washington DC..
96. Medina, J., Bowers, D., Gilmore, R., Rogish, M., Roper, S. (1999). *Retrieval of emotional memories in temporal lobe epilepsy*. Presented at the annual meeting of the American Epilepsy Society, Orlando, FL..
97. Gilmore, R., Fennell, E., Bowers, D., Bauer, R., Eisenschenk, S., Cibula, J., Quisling, R., Williams, L., Roper, S. (1999, December). *Methohexital Wada testing for prognosis of seizure outcome in patients undergoing anterior temporal lobectomy*. Presented at the annual meeting of the American Epilepsy Society, Orlando, FL.
98. Bowers, D. (2000, February). *Reflections on the contributions of Molly Harrower*. Symposium on "Historical Contributions to Clinical Neuropsychology: Biographic Perspectives" (Corwin Boake, organizer). Presented at 33<sup>rd</sup> annual meeting of International Neuropsychology Society, Denver CO. (Abstract. Journal International Neuropsychological Society, 1, S1, 2000).
99. Leritz, E., Loftis, C., Crucian, G., Bowers, D. (2000, February). *Self-awareness deficits in Parkinson's disease*. Presented at 33<sup>rd</sup> annual meeting of International Neuropsychology Society, Denver, CO. (Abstract. Journal International Neuropsychological Society, 1, S1, 2000).
100. McDonald, C., Crosson, B., Bowers, D. (2000, February). *Semantic encoding, memory and retrosplenial amnesia*. Presented at 33<sup>rd</sup> annual meeting of the International Neuropsychology Society, Denver, CO. (Abstract. Journal International Neuropsychological Society, 1, S1, 2000).
101. Gokcay, D., Bowers, D., Richardson, C., Desai, A. (June 2000) *Use of local entropy changes as a measure for identification of facial expressions*. Presented at the annual meeting of the ICASSP International Conference on Acoustics, Speech, and Signal Processing, Istanbul Turkey.
102. Desai, A., Bowers, D., Gokcay, D., Richardson, C. (2000, April). *Digitizing the Face: Emotion asymmetries and Gender*. Presented at the annual meeting of the Southeastern Psychological Association, New Orleans, LA.
103. Pedraza, O., Bowers, D., Gilmore, R., Hamby, M. (2000, April) *Hemispheric asymmetry of amygdala volumes: A meta-analysis*. Presented at the annual meeting of the American Psychological Society, Miami, FL.
104. Bowers, D., Gilmore, R., Gokcay, D., Bauer, R., Roper, S. (2000, December) *Affect modulation of startle by verbal semantic stimuli: Laterality effects following temporal lobectomy*. Presented at the annual meeting of the American Epilepsy Society, Los Angeles, CA
105. Desai, A., Gokcay, D., Richardson, C., Hamby, M., & Bowers, D. (2001, February) *Digitizing the moving face during emotional displays: movement asymmetries*. Presented at the 34<sup>th</sup> annual meeting of the International Neuropsychology Society, Chicago, IL. (Abstract. Journal International Neuropsychological Society, 2, S1, 2001).
106. McDonald, C., Kortenkamp, S., Bowers, D. (2001, February) *The role of the retrosplenial region in the evaluation of emotional stimuli and memories*. Presented at the 34<sup>th</sup> annual meeting of the International Neuropsychology Society, Chicago, IL. (Abstract. Journal of the International Neuropsychological Society, 2, S1, 2001).
107. Pedraza, O., Selke, G., Demerit, J., Eckert, M., Bowers, D. (2001, February) *Contributions of hippocampal and amygdala asymmetries to verbal memory in temporal lobe epilepsy*. Presented at the 34<sup>th</sup> annual meeting of the International Neuropsychology Society, Chicago, IL.. (Abstract. Journal International Neuropsychological Society, 2001).

108. Bowers, D., Gilmore, R., Gokcay, D., Roper, S., Rogish, M., Kortenkamp, S. (2001, February). *Laterality effects in Verbal-Emotional Modulation of Startle Following Temporal Lobectomy*. Presented at the 34<sup>th</sup> annual meeting of the International Neuropsychology Society, Chicago, IL.. (Abstract. Journal International Neuropsychological Society, 2001).
109. Demery, J., Hamby, M., Bowers, D. (2001) *Affect modulation of startle response by the semantic representation of faces*. Presented at the 34<sup>th</sup> annual meeting of the International Neuropsychology Society, Chicago, IL. (Abstract. Journal International Neuropsychological Society, 2001).
110. Kortenkamp, S., Bauer, R., Bowers, D., Crosson, B., Fennell, E., Gilmore, R. (2001, February). *Verbal distraction during the CFT: an attempt to increase the sensitive to right TLE*. Presented at the 34<sup>th</sup> annual meeting of the International Neuropsychology Society, Chicago, IL. (Abstract. Journal International Neuropsychological Society, 2001).
111. 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, February). *Object orientation in Parkinson's Disease*. Paper presented at the 34th annual meeting of the International Neuropsychological Society, Chicago, IL. (Abstract. Journal International Neuropsychological Society, 2001).
112. Selke, G., Fennell, E, Bowers, D. (2001, November). *Emotional reactivity and startle responses in children*. Presented at the annual meeting for the Society for Neuroscience, San Diego, CA (Abstract: Neuroscience Abstracts, Oct 2001).
113. Bowers, D., Gilmore, R., Selke, G., Eckert, M. (2001). *Memory, emotion, and hippocampal/amygdalar volumetrics in patients with Temporal Lobe Epilepsy*. Presented at the annual meeting of the American Epilepsy Society, Philadelphia, December 2001.
114. 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*. Presented at 35<sup>th</sup> annual meeting of International Neuropsychology Society, Toronto,CA. (Abstract: Journal of International Neuropsychology Society, 8, 233).
115. Belanger, H., and Bowers, D. (2002, February). *Affective verbal memory following unilateral temporal lobectomy*. Presented at 35<sup>th</sup> annual meeting of International Neuropsychology Society, Toronto, CA. (Abstract: Journal of International Neuropsychology Society, 8, 235).
116. Leritz, E., Shenal, B., Crucian, G., and Bowers, D. (2002, February). *Differential effects of pallidotomy on depression and anxiety in Parkinson's disease*. Presented at 35<sup>th</sup> annual meeting of International Neuropsychology Society, Toronto, CA. (Abstract: Journal of International Neuropsychology Society, 8, 203).
117. Triggs, W., Bowers, D., Gokcay, D. (2002, April). *Lateralized asymmetry of facial motor evoked potential*. Presented at 54<sup>th</sup> annual meeting of American Academy of Neurology, Denver, CO. (Abstract: Neurology, 58, 268).
118. 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*. Presented at 32<sup>nd</sup> annual meeting of Society for Neuroscience, Orlando, FL. (Abstract: Neuroscience Abstracts, 2002, 8, 780.9 ).
119. 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*. Presented at 32<sup>nd</sup> annual meeting of Society for Neuroscience, Orlando, FL. (Abstract: Neuroscience Abstracts, 2002, 8, 872.7).
120. Parkinson, B., Bongiolatti, S., Eisenshenk, S., Gilmore, R., and Bowers, D. (2003, February). *Diurnal mood variability following anterior temporal lobectomy*. Presented at 36th annual meeting of International Neuropsychology Society, Honolulu, HI. (Abstract: Journal of International

Neuropsychology Society, 9, 277).

121. 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*. Presented at 36th annual meeting of International Neuropsychology Society, Honolulu, HI. (Abstract: Journal of International Neuropsychology Society, 9, 212).
122. Bowers, D., and Leritz, B. (2003, February). *Awareness deficits in Parkinson's disease*. Poster presented at 36th annual meeting of International Neuropsychology Society, Honolulu, HI. (Abstract: Journal of International Neuropsychology Society, 9, 313)
123. Pedraza, O., Bongiolatti, S., Bosch, W., Gokcay, D., and Bowers, D. (2003, February) *Static vs. dynamic measures of facial expression in Parkinson's disease*. Presented at 36th annual meeting of International Neuropsychology Society, Honolulu, HI. (Abstract: Journal of International Neuropsychology Society, 9, 212).
124. Hamby, M., Desai, A., Gokcay, D., and Bowers, D. (2003, February). *Digitizing the moving face during non-emotional expressions*. Presented at 36th annual meeting of International Neuropsychology Society, Honolulu, HI. (Abstract: Journal of International Neuropsychology Society, 9, 265).
125. Selke, G., McDonald, C., and Bowers, D. (2003, February) *Retrosplenial contributions to verbal emotional processing*. Presented at the 36<sup>th</sup> annual meeting of the International Neuropsychology Society, Honolulu, HI. (Abstract: Journal of International Neuropsychology Society, 9, 186).
126. 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 36<sup>th</sup> annual meeting of International Neuropsychology Society, Honolulu, HI. (Abstract: Journal of International Neuropsychology Society, 9, 277).
127. Pedraza, O., Springer, S., Gober, T., Okun, M., and Bowers, D. (2003, October) *The effect of unilateral pallidotomy on proactive interference and verbal learning*. Paper presented at 17<sup>th</sup> Annual Symposium on Etiology, Pathogenesis, and Treatment of Parkinson's Disease and Other Movement Disorders, San Francisco, CA. (Abstract: Movement Disorders, 18, 1087).
128. 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.
129. Miller, K., Kortenkamp, S., Rogish, M., Gilmore, R., Roper, S., and Bowers, D. (2003, November) *Odor preference deficits following right, but not left temporal lobectomy*. Poster presented at 33<sup>rd</sup> annual meeting of Society for Neuroscience, New Orleans, LA. (Abstract: Neuroscience Abstracts, 2003).
130. 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*. Presented at 37<sup>th</sup> annual meeting of International Neuropsychology Society, Baltimore, MD. (Abstract: Journal of International Neuropsychological Society, 10, S1, 69).
131. 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 37<sup>th</sup> annual meeting of International Neuropsychology Society, Baltimore, MD. (Abstract: Journal of International Neuropsychological Society, 10, S1, 155-56).
132. 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 37<sup>th</sup> annual meeting of International Neuropsychology Society, Baltimore, MD. (Abstract: Journal of International Neuropsychological Society, 10, S1, 66).

133. 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 37<sup>th</sup> annual meeting of International Neuropsychology Society, Baltimore, MD. (Abstract: Journal of International Neuropsychological Society, 10, S1, 70).
134. Bowers, D., Kirsch, L., Springer, U., Miller, K., Crucian, G., Foote, K., and Okun, M. (2004, April). *Psychophysiologic blunting in Parkinson's Disease*. Presented at 56<sup>th</sup> Annual Meeting of the American Academy of Neurology, San Francisco, CA. (Abstract: Neurology, 62, 421).
135. 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*. Presented at 56<sup>th</sup> Annual Meeting of the American Academy of Neurology, San Francisco, CA. (Abstract: Neurology, 62, 392).
136. 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*. Presented at 9<sup>th</sup> International Conference on Alzheimer's Disease and Related Disorders, Philadelphia PA. (Abstract: Neurobiology of Aging, 25: S134-S134 Suppl. 2, Jul 2004).
137. 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*. Presented at the 18<sup>th</sup> Annual Symposium on Etiology, Pathogenesis, and Treatment of Parkinson's Disease and Other Movement Disorders. (Abstract: Movement Disorders, 19, 1125-1126).
138. 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*. Presented at the 18<sup>th</sup> Annual Symposium on Etiology, Pathogenesis, and Treatment of Parkinson's Disease and Other Movement Disorders. (Abstract: Movement Disorders, 19, 1130).
139. 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*. Presented at the 58<sup>th</sup> annual meeting of the American Epilepsy Society, New Orleans, LA. (Abstract: Epilepsia, S1, 2004).
140. Bowers, D., Parkinson, B., Gilmore, R., Roper, S., and Eisenschenk, S. *Diurnal mood variability following right and left temporal lobectomy*. (2004, December). Presented at the 58<sup>th</sup> annual meeting of the American Epilepsy Society, New Orleans, LA. (Abstract: Epilepsia).
141. 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 38<sup>th</sup> annual meeting of the International Neuropsychology Society, St. Louis, MO. (Abstract: Journal of International Neuropsychological Society, 11, S1, 35).
142. 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 38<sup>th</sup> annual meeting of the International Neuropsychology Society, St. Louis, MO. (Abstract: Journal of International Neuropsychological Society, 11, S1, 83).
143. 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 38<sup>th</sup> annual meeting of the International Neuropsychology Society, St. Louis, MO. (Abstract: Journal of International Neuropsychological Society, 11, S1, 85).
144. 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 38<sup>th</sup> annual meeting of the International Neuropsychology Society, St. Louis, MO.

(Abstract: Journal of International Neuropsychological Society, 11, S1, 104)

145. Triggs, W., Ghacibeh, G., Springer, U., and Bowers, D. (2005, February). *Lateralized asymmetry in motor control over the lower face: A TMS-MEP study*. Paper presented at 38<sup>th</sup> annual meeting of the International Neuropsychology Society, St. Louis, MO. (Abstract: Journal of International Neuropsychological Society, 11, S1, 105).
146. 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 38<sup>th</sup> annual meeting of the International Neuropsychology Society, St. Louis, MO. (Abstract: Journal of International Neuropsychological Society, 11, S1, 160).
147. Price, C., Eisenschenk, S., Gilmore, R., and Bowers, D. (2005, February). *Circadian cortisol rhythms after right or left temporal lobectomy*. Poster presented at 38<sup>th</sup> annual meeting of the International Neuropsychology Society, St. Louis, MO. (Abstract: Journal of International Neuropsychological Society, 11, S1, 57).
148. 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*. Presented at 38<sup>th</sup> annual meeting of the International Neuropsychology Society, St. Louis, MO. (Abstract: Journal of International Neuropsychological Society, 11, S1, 163).
149. 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*. Presented at the 57<sup>th</sup> annual meeting of the American Academy of Neurology, Miami, FL (Abstract: Neurology, 64 (6), Suppl. 1, March 22, 2005). **Selected by AAN as a meeting highlight.**
150. Okun, M., Knight, W., Shapira, A., Bowers, D., Springer, U., Martin, P., Munson, S., Fernandez, H., Mann, G., Goodman, W., & Foote, K. (2005, April). *Benefits and side effects from acute blinded stimulation of the anterior limb of the internal capsule and the nucleus accumbens*. Presented at 57<sup>th</sup> annual meeting of the American Academy of Neurology, Miami, FL. Okun, M., (Abstract: Neurology, 64 (6), A77-A77 Suppl. 1, Mar 22 2005).
151. 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.
152. Wood, M., Price, C., Montijo, H., Bowers, D., Leonard, C., Schmalfuss, I. (2005, July). *Volumetric measurement of the entorhinal cortex: A reliability analysis*. Presented at Alzheimer's Association International Congress on the Prevention of Dementia: Early Diagnosis and Intervention. Washington, D.C.
153. 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*. Presented at 19<sup>th</sup> Annual Symposium on Etiology, Pathogenesis, and Treatment of Parkinson's Disease and Other Movement Disorders (Abstract: Movement Disorders, September 2005).
154. 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).
155. Springer, U.S., McGetrick J., Rosas, A., & Bowers, D. (2006, February). *Differences in psychophysiologic reactivity while viewing static vs dynamic facial affect*. Presented at 39<sup>th</sup> annual meeting of the International Neuropsychology Society, Boston, MA. (Abstract: Journal of International Neuropsychological Society, 12, S1, 227).

156. Mikos, A., Lopez, M., Price, C., & Bowers, D. (2006, February). *Memory for emotional words in mild cognitive impairment*. Presented at 39<sup>th</sup> annual meeting of the International Neuropsychology Society, Boston, MA. (Abstract: Journal of International Neuropsychological Society, 12, S1, 120).
157. 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*. Presented at 39<sup>th</sup> annual meeting of the International Neuropsychology Society, Boston, MA. (Abstract: Journal of International Neuropsychological Society, 12, S1, 236).
158. 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 39<sup>th</sup> annual meeting of the International Neuropsychology Society, Boston, MA. (Abstract: Journal of International Neuropsychological Society, 12, S1, 114).
159. 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 39<sup>th</sup> annual meeting of the International Neuropsychology Society, Boston, MA. (Abstract: Journal of International Neuropsychological Society, 12, S1, 114).
160. 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 39<sup>th</sup> annual meeting of the International Neuropsychology Society, Boston, MA. (Abstract: Journal of International Neuropsychological Society, 12, S1, 230).
161. 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 39<sup>th</sup> annual meeting of the International Neuropsychology Society, Boston, MA. (Abstract: Journal of International Neuropsychological Society, 12, S1, 230).
162. 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, 39<sup>th</sup> annual meeting of the International Neuropsychology Society, Boston, MA (Abstract: Journal of the International Neuropsychological Society, 12, S, p .265).
163. 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*. Presented at the 58th annual meeting of the American Academy of Neurology, San Diego, CA. (Abstract: Neurology, March 2006).
164. 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).
165. 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.
166. Mikos, A., Miller, M., Gadwal, S., Norton, J., Okun, M., Bowers, D. (2006, August). *Reduced emotional modulation of startle eyeblink in Essential Tremor*. Presented at the annual meeting of the American Psychological Association, New Orleans, LA. (Abstract: The Clinical Neuropsychologist, 20: 598-598, Sept 2006).
167. Springer, U., Chang Y., Graf-Radford, J., Jacobson, C. Crucian, G., Okun, M., Bowers, D. (2006, August). *Neuropsychological profile of pre-surgical Essential Tremor*. Presented at the American Psychological Association, New Orleans, LA. (Abstract: The Clinical Neuropsychologist, 20: 599-599, Sept 2006).

168. 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*. Presented at the American Psychological Association, New Orleans, LA. (Abstract: The Clinical Neuropsychologist, 20: 597-597, Sept 2006).
169. 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, Supp 15, 2006).
170. Kirsch, L., Bowers, D., Fernandez, H., Rodriguez, R., Okun, M.S. (2006, October) *Relationship between apathy symptoms and levodopa dosage in Parkinson's disease*. Presented at International Parkinson Congress, Kyoto, Japan. (Abstract: Movement Disorders 12 (Suppl 15): 558.
171. 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).
172. 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).
173. 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).
174. 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*. Presented at 40<sup>th</sup> Annual Meeting of the International Neuropsychological Society, Portland, OR. (Abstract: Journal of International Neuropsychological Society, S1, 2007).
175. Mikos, A., Wood, M., Price, C., & Bowers, D. (2007, February). *Aging, emotional memory, and the hippocampus*. Presented at 40<sup>th</sup> Annual Meeting of the International Neuropsychological Society, Portland, OR. (Abstract: Journal of International Neuropsychological Society).
176. 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*, Presented at 40<sup>th</sup> Annual Meeting of the International Neuropsychological Society. Portland, OR. (Abstract: Journal of International Neuropsychological Society, S1, 2007).
177. Kellison, I., Price, C., Woods, M., & Bowers, D. (2007, February). *Mild cognitive impairment: Memory, cortisol, and hippocampal volumetrics*. Presented at 40<sup>th</sup> Annual Meeting of the International Neuropsychological Society. Portland, OR. (Abstract: Journal of International Neuropsychological Society, S1, 2007).
178. Kirsch, L., Okun, M., Fernandez, H., & Bowers (2007, February) *Parkinson's disease: Relationship between apathy and dopaminergic medication*. Presented at 40<sup>th</sup> annual meeting of the International Neuropsychological Society. Portland, OR. (Abstract: Journal of International Neuropsychological Society, S1, 2007).
179. 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*. Presented at

40<sup>th</sup> annual meeting of the International Neuropsychological Society. Portland, OR. (Abstract: Journal of International Neuropsychological Society, S1, 2007).

180. Kellison, I., Kirsch-Darrow, L., Fernandez, H., Okun, M.S., Bowers, D. (2007, April). *Apathy in non-demented Parkinson Disease: Relationship to executive dysfunction?* Presented at annual meeting of American Academy of Neurology, Boston MA. (Abstract: Neurology, March 2007). **Selected as AAN Meeting Highlight**
181. 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.* Presented at International Parkinson Congress, Istanbul Turkey. (Abstract: Movement Disorders 2007, September 2007)
182. 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.
183. 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.
184. Skoblar, B.M., Mikos, A.E., Nisenzon, 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. (Abstract: Movement Disorders, September 2007).
185. Kirsh-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.* Presented an Annual Symposium on Etiology, Pathogenesis, and Treatment of Parkinson's Disease and Other Movement Disorders, Washington, DC. (Abstract: Movement Disorders, September 2007)
186. 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.* Presented at annual meeting of the American Neurologic Association, Washington, DC. (Abstract:
187. 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.* Presented at Society for Psychophysiological Research., Savannah, GA (Abstract: Psychophysiology, 2007, 44, Suppl 1: S1-111)
188. Kaufman, D., Perlstein, W.M., Bishop, M., & Bowers, D. (2007, October). *Age-related changes in P3 response and executive functioning.* Presented at Society for Psychophysiological Research, Savannah, GA (Abstract: Psychophysiology, 2007, 44, Suppl 1: S1-111).
189. Pavon, J.M., Thomas, P.C., Bowers, D, Roy, A., Garvan, C., Okun, M.S. (2007, November). *Impact of Age and Neuropsychological Function on Extended Hospital Stay following Deep Brain Stimulation,* 60<sup>th</sup> annual meeting of the Gerontological Society of America, San Francisco, CA. (Abstract: The Gerontologist, S1, Oct. 2007).
190. 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.* Presented at 41<sup>st</sup> annual meeting of the International Neuropsychological Society, Waikola, HI. (Abstract: Journal of International Neuropsychological Society).



191. 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*. Presented at 41<sup>st</sup> annual meeting of the International Neuropsychological Society, Waikoloa, HI. (Abstract: Journal of International Neuropsychological Society).
192. 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*. Presented at 41<sup>st</sup> annual meeting of the International Neuropsychological Society, Waikoloa, HI. . (Abstract: Journal of International Neuropsychological Society).
193. Kirsch-Darrow, L., Zahodne, L., Mikos, A., Skoblar, B. Hass, C., Jacobson, 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*. Presented at 41<sup>st</sup> annual meeting of the International Neuropsychological Society, Waikoloa, HI. . (Abstract: Journal of International Neuropsychological Society).
194. 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*. Presented at 41<sup>st</sup> annual meeting of the International Neuropsychological Society, Waikoloa, HI. . (Abstract: Journal of International Neuropsychological Society).
195. 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*. Presented at 41<sup>st</sup> annual meeting of the International Neuropsychological Society, Waikoloa, HI. (Abstract: Journal of International Neuropsychological Society).
196. 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*. Presented at 41<sup>st</sup> annual meeting of the International Neuropsychological Society, Waikoloa, HI. . (Abstract: Journal of International Neuropsychological Society).
197. Okun, M.S., Fogel, A., Skoblar, B., Zeilman, P., Foote, K.F., Bowers, D. (2008, April). *Patient centered outcomes for Deep Brain Stimulation*. Presented at American Academy of Neurology, Chicago IL (Abstract: Neurology, March 2008).
198. Bowers, D., Kirsch-Darrow, L., Mikos, A., Springer, U.S., Fernandez, HH, Okun, MS. (2008, April). *Apathy and psychophysiologic blunting in Parkinson Disease*. Presented at annual meeting of American Academy of Neurology, Chicago, IL. (Abstract: Neurology, March 2008)
199. 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*. Presented at American Academy of Neurology, Chicago, IL. (Abstract: Neurology, March 2008.)
200. Kluger, B., Garvan, C., Jaconson, 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*. Presented at American Academy of Neurology, Chicago, IL (Abstract: Neurology, March 2008.)
201. 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, Chicago, IL.. (Abstract: Neurology, March 2008).
202. Okun, M.S., Fernandez, H.H., Wu, S.S., Kirsch-Darrow, L., Bowers, D., Suelter, M., Jacobson, C., Wang, X., Gordon, C., Zeilman, P., Romrell, J., Martin, P., Rodriguez, R., Foote, K.D. (2008, June). *Cognition and Mood in Parkinson Disease after Unilateral STN versus GPi DBS: The COMPARE Trial*. Presented at 12<sup>th</sup> International Congress of Parkinson's Disease, Chicago, Ill. (Abstract: Movement Disorders)

203. 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 annual meeting of AASFN, Vancouver, Canada
204. Nisenzon, A.N., Springer, U.S., Mikos, A., Okun, M.S., Fernandez, H.F., Bowers, D. 2008, August). *Effect of Motor Symptom Onset Asymmetry on Facial Expressivity in Parkinson Disease*. Presented at annual meeting of American Psychological Association, Boston, MA. (Abstract: Clinical Neuropsychologist, 22 (4), 742-43).
205. Bowers, D., Springer, Mikos, A., Nisenzon, A., Sapienza, C., Fernandez, H., Okun, M.S., (2008, September). *Role of dopaminergic medications in influencing masked faces 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, August 2008, 23 (11), 1629).
206. 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, August 2008, 23, (S1), 2386-87).
207. 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, August 2008, 23, 11, 1635.).
208. 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. (Abstract: Movement Disorders, August 2008, 23, 11).
209. 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 (Abstract: Movement Disorders, August 2008, 23(11), 1634).
210. Mikos, A., Okun, M.S., Noecker, A., Zahodne, L., Kirsch-Darrow, L., Won, M., McIntyre, Foote, K., Fernandez, H.H., Bowers, D. (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", 42<sup>nd</sup> annual meeting of the International Neuropsychological Society, Atlanta, GA. . (Abstract: Journal of International Neuropsychological Society, S1, 2009).
211. 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. Presented at 42<sup>nd</sup> annual meeting of the International Neuropsychological Society, Atlanta, GA. . (Abstract: Journal of International Neuropsychological Society, S1.2009).
212. Springer, U., Troche, J., Kuhn, G., Crucian, G., Fernandez, H., Rodriguez, R. Okun, M.S., Bowers, D. (2009, February). Computerized Self-Ordered Working Memory Performance in Nondemented Parkinson Disease. Presented at 42<sup>nd</sup> annual meeting of the International Neuropsychological Society, Atlanta, GA. (Abstract: Journal of International Neuropsychological Society, S1, 2009).
213. Bowers, D., Springer, U., Mikos, A., Syme, M., Sapienza, C., Fernandez, H., Okun, M.S. Bowers, D. (2009, February). *Dopamine and Masked Faces in Parkinson Disease*: Presented at the 42<sup>nd</sup> annual meeting of the International Neuropsychological Society, Atlanta, GA. . (Abstract: Journal of International Neuropsychological Society, S1, 2009).

214. 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*. Presented at the 42<sup>nd</sup> annual meeting of the International Neuropsychological Society, Atlanta, GA. (Abstract: Journal of International Neuropsychological Society, S1, 2009).
215. Keiski, M., 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* Presented at the 42<sup>nd</sup> annual meeting of the International Neuropsychological Society, Atlanta, GA. (Abstract: Journal of International Neuropsychological Society, S1, 2009).
216. 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*. Presented at the 42<sup>nd</sup> annual meeting of the International Neuropsychological Society, Atlanta, GA. (Abstract: Journal of International Neuropsychological Society, S1, 2009).
217. 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?* Presented at the 42<sup>nd</sup> annual meeting of the International Neuropsychological Society, Atlanta, GA. (Abstract: Journal of International Neuropsychological Society, S1, 2009).
218. Zahodne, L., Okun, K.D. Foote, H.H. Fernandez, D. Bowers. (2009, February) *A Reliable Change Analysis of Cognitive Declines One Year after Unilateral Deep Brain Stimulation Surgery in Parkinson's Disease*. Presented at the 42<sup>nd</sup> annual meeting of the International Neuropsychological Society, Atlanta, GA. (Abstract: Journal of International Neuropsychological Society, S1, 2009).
219. Miller, K., Okun, M.S., Marsiske, M., Fennell, E.B., Bowers, D. (2009, February). *Arousal modulated startle reflex hyporeactivity in Parkinson's disease*. Presented at the 42<sup>nd</sup> annual meeting of the International Neuropsychological Society, Atlanta, GA. (Abstract: Journal of International Neuropsychological Society, S1, 2009).
220. 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). Presented at 61<sup>st</sup> meeting of the American Academy of Neurology, Seattle, WA. (Abstract: Neurology, March 2009, 72(11), A221-222).
221. Zahodne, L., Okun, M.S., Foote, K., Fernandez, H., Rodriguez, R., Kirsch-Dazrrow, 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*. Presented at 61<sup>st</sup> meeting of the American Academy of Neurology, Seattle, WA. (Abstract: Neurology, 72 (11), A221, Suppl. 3, 2009).
222. 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*. Presented at 61<sup>st</sup> meeting of the American Academy of Neurology, Seattle, WA. (Abstract: Neurology, 72 (11), A280, Suppl. 3, 2009).
223. Mikos, A., Noecker, A., Chaturvedi, A., Bowers, D., Foote, K., Okun, M.S., McIntyre, C.C. (2009, October). *Relationship of Patient-Specific Models of Deep Brain stimulation to Verbal Fluency Performance*. 23<sup>rd</sup> Annual Symposium on Etiology, Pathogenesis, and Treatment of Parkinson's Disease and Other Movement Disorders, Baltimore, MD (Abstract: Movement Disorders, 24, S481, Suppl. 1, 2009)..
224. Burdick, A., Haq, I., Okun, M. S., Ward, H. E., Bova, F., Jacobson, C., Bowers, D., Zeilman, P., Foote, K. D. (2009) *Prevalence of Twiddler's syndrome as a cause of deep brain stimulation hardware failure*. Presented at 23<sup>rd</sup> Annual Symposium on Etiology, Pathogenesis, and Treatment of

- Parkinson's Disease and Other Movement Disorders, Baltimore, MD (Abstract: Movement Disorders, 24, S481, Suppl.1, 2009).
225. 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).
  226. Schoenfield, K., Jordan, L., Bowers, D. (2009, November) *The Emotional Enhancement Effect in Memory: Differences Between Age and Gender Groups* . Presented at Annual Biomedical Research Conference for Minority Students (ABRCMS), Phoenix, AZ.
  227. 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*. Presented at Annual meeting of Gait and Mental Function Conference, Washington, DC.
  228. 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*. Presented at 43<sup>rd</sup> annual meeting of the International Neuropsychological Society, Acapulco, Mexico. (Abstract: Journal of the International Neuropsychological Society, S1, 2010).
  229. 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. , (Abstract: J. Neuropsychiatry & Clinical Neuroscience, Suppl 2, 2010, 74(9), A80).
  230. Jordan, L., Dietz, J., Clark, A., McKentley, H., Okun, M.S., Bowers, D. (2010, April). *Muted Enhancement of Emotional Memory in Parkinson's Disease*. 62<sup>nd</sup> annual meeting of the American Academy of Neurology, Toronto, CAN (Abstract: Neurology, 2010, 74(9), A72 Suppl. 2).
  231. Goetz, J., Bowers, D., Zahodne, L., Fernandez, H., Okun, M.S. (2010, April). *Mood and Autonomic Symptom Clusters in Parkinson's Disease*. 62<sup>nd</sup> annual meeting of the American Academy of Neurology, Toronto, CAN, (Abstract: Neurology, 2010, 74(9), A78 Suppl. 2)..
  232. Fernandez, H.H., Bowers, D., Triggs, W., Perlstein, W., Hass, C., Zahodne, L., Sozda, C., Rodriguez, R., Malaty, I., & Wu, S. (2010, April). *Repetitive transcranial magnetic stimulation (rTMS) for treatment of Apathy in Parkinson's disease: Results from a double-blind, sham-controlled randomized controlled trial* . 62<sup>nd</sup> annual meeting of the American Academy of Neurology, Toronto, CAN, (Abstract: Neurology, 2010, 74(9), A74, Suppl. 2)..
  233. 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 Medicaly-Managed idiopathic Parkinson's disease*. 62<sup>nd</sup> annual meeting of the American Academy of Neurology, Toronto, CAN, (Abstract: Neurology, 2010, 74(9), A77, Suppl. 2)..
  234. Prosje, M., Dietz, J., Price, C.M., Bauer, R., Okun, M.S., Bowers, D. (2010, April). *Mood and Neurocognitive Contributions to a Dementia Screening Scale in Patients with Parkinson's Disease*. 62<sup>nd</sup> annual meeting of the American Academy of Neurology, Toronto, CAN, (Abstract: Neurology, 2010, 74(9), A80, Suppl. 2).
  235. Dietz, L., Bradley, M., Jordan, L., Braun, T., Okun, M., Bowers, D. (2010, April). *The Pupil as a Measure of Emotional-Modulated Arousal in Parkinson's Disease*. Presented at the 62<sup>nd</sup> annual meeting of the American Academy of Neurology, Toronto, CAN, (Abstract: Neurology, 2010, 74(9), A72-73. Suppl. 2).
  236. Kay, D., Kirsch-Darrow, L., Zahodne, L., Okun, M.S., Fernandez, H., Bowers, D. (2010, April). *Dimensions of Apathy in Parkinson Disease: Apathy Scale Revisited*. Presented at the 62<sup>nd</sup> annual meeting of the American Academy of Neurology, Toronto, CAN, (Abstract: Neurology, 2010, 74(9), A76-77, Suppl. 2).

237. Ferencz, B., Kirsch-Darrow, L., Bogoroskaya, M., Okun, M.S., Bowers, D. (2010, April). *Gadgets and Toys: Construct Validity of Apathy in Parkinson's Disease*. Presented at the 62<sup>nd</sup> annual meeting of the American Academy of Neurology, Toronto, CA, (Abstract: Neurology, 2010, 74(9), A74 Suppl. 2).
238. Sozda, C., Zahodne, L., Bowers, D., Perlstein, W., & Fernandez, H. (2010, April). *Correlation of Depressive Symptoms to Neural Reflections of Conflict Processing in Parkinson's disease*. Presented at 62<sup>nd</sup> annual meeting of the American Academy of Neurology, Toronto, CA, (Abstract: Neurology, 2010,74(9), A74, Suppl. 2).
239. Zahodne, L., Susatia, F., Bowers, D., Okun, M.S., Fernandez, H.H. (2010, March) *Binge Eating in Parkinson Disease: Prevalence, Correlates, and the Contribution of Deep Brain Stimulation*. Presented at 62<sup>nd</sup> annual meeting of the American Academy of Neurology, Toronto, CA (Abstract: Neurology, 2010, 74(9), A80, Suppl. 2).
240. Haq IU, Foote KD, Wu SS, Goodman, W.G., Sudhyadhom, A., Ricciuti, N., Goodman, W., Siddiqui, M., Bowers, D., Jacobson, C., Ward, H., Okun, M.S. *Laughter Induction in the NIH OCD DBS Cohort: A Potential Predictor of Therapeutic Response?* Presented at 62<sup>nd</sup> annual meeting of the American Academy of Neurology, Toronto, CA (Abstract: Neurology, 2010, 74(9), A409., Suppl. 2).
241. 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.
242. 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?* 24<sup>th</sup> Annual Meeting of the Associated Professional Sleep Societies, LLC., San Antonio, TX. (Winner: Movement Disorders Section Investigator Award).
243. Mikos A, Pavon, J Bowers D, Foote KD, Resnick AS, Fernandez HH, Thomas P, Garvan C Roy A, Okun MS. (2010, June) Factors Related to Extended to Hospital Stays Following Deep Brain Stimulation for Parkinson's Disease. 14<sup>th</sup> International Congress of Parkinson's Disease and Movement Disorders, Buenos Aires, Argentina, June 2010. (Abstract: Movement Disorders 2010; 25, Issue 7(Suppl 2):807, pg S453.)
244. Burdick AP, Fernandez HH, Foote KD, Bowers D, Jacobson CE, Ward HE, Okun MS. (2010, June). Target Specificity for Post-DBS Anger. 14<sup>th</sup> International Congress of Parkinson's Disease and Movement Disorders, Buenos Aires, Argentina, June 2010. (Abstract: Movement Disorders 2010; 25, Issue 7(Suppl 2):769, pg S440.)
245. 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 44<sup>th</sup> annual meeting of the International Neuropsychological Society, Boston, MA. (Abstract: Journal of the International Neuropsychological Society, S1, 2011).
246. 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 44<sup>th</sup> annual meeting of the International Neuropsychological Society, Boston, MA. (Abstract: Journal of the International Neuropsychological Society, S1, 2011).
247. Janecek, J., Rog, L., Prosje, M., Okun, M.S., Price, C., Bauer, R., Bowers, D. *MCI in Parkinson disease: Measures matter*. Presented at 44<sup>th</sup> annual meeting of the International Neuropsychological Society, Boston, MA. (Abstract: Journal of the International Neuropsychological Society, S1, 2011).
248. Prosje, M., Tyner, C., Okun, M.S., Bowers, D. (2011). *Cognitive decline starting in the 4<sup>th</sup> decade: A female carrier of the Leptzaeus-Merzbacher's (PLP!) gene.* , Presented at 44<sup>th</sup> annual meeting of the International Neuropsychological Society, Boston, MA. (Abstract: Journal of the International Neuropsychological Society, S1, 2011).

249. 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 44<sup>th</sup> annual meeting of the International Neuropsychological Society, Boston, MA. (Abstract: Journal of the International Neuropsychological Society, S1, 2011).
250. 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 44<sup>th</sup> annual meeting of the International Neuropsychological Society, Boston, MA. (Abstract: Journal of the International Neuropsychological Society, S1, 2011).
251. 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 44<sup>th</sup> annual meeting of the International Neuropsychological Society, Boston, MA. (Abstract: Journal of the International Neuropsychological Society, Suppl 1, 2011).
252. 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 44<sup>th</sup> annual meeting of the International Neuropsychological Society, Boston, MA. (Abstract: Journal of the International Neuropsychological Society, Suppl 1, 2011).
253. 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 44<sup>th</sup> annual meeting of the International Neuropsychological Society, Boston, MA. (Abstract: Journal of the International Neuropsychological Society, Suppl 1, 2011).
254. 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 44<sup>th</sup> annual meeting of the International Neuropsychological Society, Boston, MA. (Abstract: Journal of the International Neuropsychological Society, Suppl 1, 2011).
255. 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 44<sup>th</sup> annual meeting of the International Neuropsychological Society, Boston, MA. (Abstract: Journal of the International Neuropsychological Society, Suppl 1, 2011).
256. 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 44<sup>th</sup> annual meeting of the International Neuropsychological Society, Boston, MA. (Abstract: Journal of the International Neuropsychological Society, Suppl 1, 2011).
257. 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*. Presented at 44<sup>th</sup> annual meeting of the International Neuropsychological Society, Boston, MA. (Abstract: Journal of the International Neuropsychological Society, Suppl 1, 2011).
258. 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*. Presented at 39<sup>th</sup> meeting of the International Neuropsychological Society, February 2011, Boston, MA. (Abstract: Journal of the International Neuropsychological Society).
259. 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*. Presented at annual meeting of American Neuropsychiatric Association, Denver CO. (Abstract: J. Neuropsychiatry and Clinical Neuroscience).

260. 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*. Presented at annual meeting of 25th Annual Meeting of the Associated Professional Sleep Societies, LLC., Seattle, WA.
261. 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 Libratm DBS System (SJM) in Parkinson disease*. Presented at annual meeting of International Congress of Parkinson's disease and Movement Disorders, Toronto, CA. (Abstract Movement Disorders, S2, 2011, 26).
262. 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*. Presented at annual meeting of International Congress of Parkinson's disease and Movement Disorders, Toronto, CA. (Abstract Movement Disorders, S2, 2011, 26).
263. 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*. Presented at International Congress of Parkinson's Disease and Movement Disorders, Toronto, Canada. (Abstract: Movement Disorders, Vol. 26, Suppl. 2, 2011, pp. S1–S385.)
264. Troster, A.I, Bowers, D., Levin, B. (2011, July). *Group and individual neuropsychological ourtcomes after 90 days of bilateral SNT brain stimulation in Parkinson's disease: a delayed-activation controlled randomized study*. Presented at annual mid-year meeting of International Neuropsychological Society, Aukland, NZ (Abstract: Brain Impairment,12, Suppl July 201, p.18).
265. 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*. Presented at annual meeting of Society for Psychophysiologic Research, Boston, MA. (Abstract: Psychophysiology, S1, August 2011).
266. Zahodne, L., Bowers, D. (2011, September). *Chronometry of affective startle modulation in Parkinson's disease without depression*. Presented at annual meeting of Society for Psychophysiologic Research. Boston, MA. (Abstract: Psychophysiology S1, August 2011).
267. Bowers, D., Sapienza, C., Springer, U., Milkos, 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*. Presented at 45<sup>th</sup> annual meeting of the International Neuropsychological Society, Montreal, Canada. (Abstract: Journal of the International Neuropsychological Society, 2012, S1).
268. Dietz, J., Jones, J., Perlstein, W.M., Okun, M.S., Bowers, D. (2012, February. *Detecting emotional significance: the Late positive potential in Parkinson disease*. Presented at 45<sup>th</sup> annual meeting of the International Neuropsychological Society, Montreal, Canada. (Abstract: Journal of the International Neuropsychological Society, 2012, S1).
269. 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*. Presented at 45<sup>th</sup> annual meeting of the International Neuropsychological Society, Montreal, Canada. (Abstract: Journal of the International Neuropsychological Society, 2012, S1).
270. 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*. Presented at 45<sup>th</sup> annual meeting of the International Neuropsychological Society, Montreal, Canada. (Abstract: Journal of the International Neuropsychological Society, 2012, S1).
271. 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*. Presented at 45<sup>th</sup> annual meeting of the International Neuropsychological Society, Montreal, Canada. (Abstract: Journal of the International Neuropsychological Society, 2012, S1).
272. 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*. Presented at 45<sup>th</sup> annual meeting of the International Neuropsychological Society, Montreal, Canada. (Abstract: Journal of the International Neuropsychological Society, 2012, S1).
273. Bowers, D. (2012, February). Symposium organizer 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; Presented at 45<sup>th</sup> annual meeting of the International Neuropsychological Society, Montreal, Canada. (Abstract: Journal of the International Neuropsychological Society, 2012, S1).
274. Bowers, D. (2012, February). The apathy-depression conundrum in Parkinson disease- does it matter, As part of Symposium (Current Controversies in Parkinson disease). Presented at 45<sup>th</sup> annual meeting of the International Neuropsychological Society, Montreal, Canada. (Abstract: Journal of the International Neuropsychological Society, 2012, S1).
275. 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*. Presented at 45<sup>th</sup> annual meeting of the International Neuropsychological Society, Montreal, Canada. (Abstract: Journal of the International Neuropsychological Society, 2012, S1).
276. 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?* Presented at 45<sup>th</sup> annual meeting of the International Neuropsychological Society, Montreal, Canada. (Abstract: Journal of the International Neuropsychological Society, 2012, S1).
277. 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*. Presented at 45<sup>th</sup> annual meeting of the International Neuropsychological Society, Montreal, Canada. (Abstract: Journal of the International Neuropsychological Society, 2012, S1).
278. 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*. Presented at 45<sup>th</sup> annual meeting of the International Neuropsychological Society, Montreal, Canada. (Abstract: Journal of the International Neuropsychological Society, 2012, S1).
279. 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*. Presented at annual meeting of American Neuropsychiatric Association, New Orleans LA. [Abstract: J. Neuropsychiatry & Clinical Neuroscience, 2012, S1).
280. Zahodne, L., and Bowers, D. (2012, March). *Depression in Parkinson's disease: Relation to startle eyeblink psychophysiology and affective chronometry*. Presented at the annual meeting of American Neuropsychiatric Association, New Orleans LA. [Abstract: J. Neuropsychiatry & Clinical Neuroscience, 2012, S1).



281. 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.
282. 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 16<sup>th</sup> International Congress of Parkinson's disease and Movement Disorders, Dublin, Ireland. ( Abstract: Movement Disorders 2012;27 Suppl 1 :31).
283. 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 the 16<sup>th</sup> International Congress of Parkinson's disease and Movement Disorders, Dublin Ireland. [abstract: Movement Disorders 2012; 27 Suppl 1 :56.]
284. 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 IL. (Abstract: The Clinical Neuropsychologist)
285. 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**)
286. Bowers, D. (2012, August). *Startling facts about emotion in Parkinson's disease*. Invited address. Division 40, Presented at the annual meeting of the American Psychological Association, Orlando, FL.
287. Bowers, D. (2012, August), Invited Discussant. Panel on: *Professional Dilemmas: Managing inappropriate exchanges in the workplace. A conversation sponsored by Women in Neuropsychology WIN*). Organized by Kretzmer, T., Pavalla, S. Presented at the annual meeting of the American Psychological Association, Orlando, FL.
288. Thomas, K., Marsiske, M., Jones, J., Marra, D., Bowers, D. (2012, November). *Age as a moderator of fatigue severity on a task of cognitive switching*. Presented at 65<sup>th</sup> annual meeting of the Gerontologic Society of America. San Diego, CA. (Abstract: The Gerontologist, October 2012).
289. 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 46<sup>th</sup> annual meeting of the International Neuropsychological Society, Kona, Hawaii. (Abstract: Journal of the International Neuropsychological Society, S1, 2013).
290. 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 46<sup>th</sup> annual meeting of the International Neuropsychological Society, Kona, Hawaii. (Abstract: Journal of the International Neuropsychological Society, S1, 2013).
291. 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 46<sup>th</sup> annual meeting of the International Neuropsychological Society, Kona, Hawaii. (Abstract: Journal of the International Neuropsychological Society, S1, 2013).
292. 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 46<sup>th</sup> annual meeting of the International Neuropsychological Society, Kona, Hawaii. (Abstract: Journal of the International Neuropsychological Society, S1, 2013).
293. Diemunsch, N., Kay, D. B., Bowers, D. (2013, June). *Sleep-Related Impairment: Parkinson's Disease Symptoms and Insomnia*. Presented at 27<sup>th</sup> annual meeting of the Associated Professional Sleep Societies, Baltimore, MD.

294. 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 Congress of Parkinson Disease and Movement Disorders, Sydney Australia. (Abstract: Movement Disorders, May 2013).
295. 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. (Abstract: Psychophysiology, September 2013).
296. Dietz Renfro, J., Bradley, 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 47th annual meeting of the International Neuropsychological Society, Seattle, Washington. (Abstract: Journal of the International Neuropsychological Society, S1, 2014).
297. 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 47th annual meeting of the International Neuropsychological Society, Seattle, Washington. (Abstract: Journal of the International Neuropsychological Society, S1, 2014).
298. 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 47th annual meeting of the International Neuropsychological Society, Seattle, Washington. (Abstract: Journal of the International Neuropsychological Society, S1, 2014).
299. 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 47th annual meeting of the International Neuropsychological Society, Seattle, WA. (Abstract: Journal of the International Neuropsychological Society, S1, 2014).
300. 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 47th annual meeting of the International Neuropsychological Society, Seattle, Washington. (Abstract: Journal of the International Neuropsychological Society, S1, 2014).
301. 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 47th annual meeting of the International Neuropsychological Society, Seattle, Washington. (Abstract: Journal of the International Neuropsychological Society, S1, 2014).
302. 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 47th annual meeting of the International Neuropsychological Society, Seattle, Washington. (Abstract: Journal of the International Neuropsychological Society, S1, 2014).
303. Lemonda, B., Giles, K., Peck, C.P., Bowers, D. (2014, February). *A case study of a patient with Susac Syndrome*. Presented at the 47th annual meeting of the International Neuropsychological Society, Seattle, Washington. (Abstract: Journal of the International Neuropsychological Society, S1, 2014).
304. 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 47th annual meeting of the International Neuropsychological Society, Seattle, Washington. (Abstract: Journal of the International Neuropsychological Society, S1, 2014).

305. 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. (Abstract: [The Clinical Neuropsychologist](#)).
306. 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.
307. 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 48th annual meeting of the International Neuropsychological Society, Denver CO. (Abstract: [Journal of the International Neuropsychological Society](#), S1, 2015).
308. 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 48th annual meeting of the International Neuropsychological Society, Denver CO. (Abstract: [Journal of the International Neuropsychological Society](#), S1, 2015).
309. 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 48th annual meeting of the International Neuropsychological Society, Denver CO. (Abstract: [Journal of the International Neuropsychological Society](#), S1, 2015).
310. 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 48th annual meeting of the International Neuropsychological Society, Denver CO. (Abstract: [Journal of the International Neuropsychological Society](#), S1, 2015).
311. Jones, J., Helpfrey, J., Thomas, K., Marsiske, M., Bowers, D. (2015, February). *Influence of everyday walking on cognition: Multilevel modeling results from the Village Interactive Training and Learning study*. Presented at 48th annual meeting of the International Neuropsychological Society, Denver CO. (Abstract: [Journal of the International Neuropsychological Society](#), S2, 2015).
312. 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 48<sup>th</sup> annual meeting of the International Neuropsychological Society, Denver CO. (Abstract: [Journal of the International Neuropsychological Society](#), S1, 2015).
313. 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 48th annual meeting of the International Neuropsychological Society, Denver CO. (Abstract: [Journal of the International Neuropsychological Society](#), S1, 2015).
314. 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 48th annual meeting of the International Neuropsychological Society, Denver CO. (Abstract: [Journal of the International Neuropsychological Society](#), S1, 2015).
315. 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 48th annual meeting of the International Neuropsychological Society, Denver CO. (Abstract: [Journal of the International Neuropsychological Society](#), S1, 2015).

316. 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 48th annual meeting of the International Neuropsychological Society, Denver CO. (Abstract: Journal of the International Neuropsychological Society, S1, 2015).
317. Maye, J., Scott, B., Jones, J., Thomas, K., Bowers, D., Marsiske, M. (2015, February). *Relationships of pulse pressure and cognitive functioning in cognitively normal older adults in the VITAL study*. Presented at 48th annual meeting of the International Neuropsychological Society, Denver CO. (Abstract: Journal of the International Neuropsychological Society, S1, 2015).
318. 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 48<sup>th</sup> annual meeting of the International Neuropsychological Society, Denver CO. (Abstract: Journal of the International Neuropsychological Society, S1, 2015).
319. 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 48<sup>th</sup> annual meeting of the International Neuropsychological Society, Denver CO. (Abstract: Journal of the International Neuropsychological Society, S1, 2015).
320. Hazamy, A., Altmann, Troche, M., Cowles, W, & Bowers, D. (2015, February). *Emotional sentence processing in persons with Parkinson's disease*. Presented at 48<sup>th</sup> annual meeting of the International Neuropsychological Society, Denver CO. (Abstract: Journal of the International Neuropsychological Society, S1, 2015).
321. Morishito,..... (2015, April). *Interdisciplinary Deep Brain Stimulation Screening and the Relationship to Unintended Hospitalizations and Quality of Life*. Paper presented at the 67<sup>th</sup> annual meeting of the American Academy of Neurology, Washington DC. (Abstract: Neurology, March 2015).
322. 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*. Presented at the annual meeting of the International Congress of Parkinson disease and Movement Disorders, San Diego, CA. (Abstract: Movement Disorders, May 2015).
323. 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?* Presented at annual meeting of the International Congress of Parkinson disease and Movement Disorders, San Diego, CA. (Abstract; Movement Disorders, May 2015).
324. Butterfield, L., Cimino, C., Salazar, R., Lee, C., Haley, W., Sanchez-Ramos, J., Okun, M.S., Bowers, D. (2015, June). *A New program for treating Apathy in Parkinson Disease: PAL*. Presented of the annual meeting of the International Congress of Parkinson disease and Movement Disorders, San Diego, CA. (Abstract: Movement Disorders, May 2015).
325. 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?* Presented at annual meeting of the International Congress of Parkinson disease and Movement Disorders, San Diego, CA. (Abstract: Movement Disorders, May 2015).
326. Price, C.C., Tanner, J., Levy, M.S., Okun, M.S., Bower, D. (2015, June). *Gray and white predictors of cognitive frontal-striatal deficits in Parkinson disease*. Presented at annual meeting of International Congress of Parkinson disease and Movement Disorders, San Diego, CA. (Abstract: Movement Disorders, May 2015).
327. Levy, S.A., Tanner, J.J., Okun, M.S., Bowers, D., Price, C.C. (2015, June). *Cognitive change in Parkinson's disease and progression of frontal-striatal deficits*. Presented at annual meeting of International Congress of Parkinson disease and Movement Disorders, San Diego, CA. (Abstract;

Movement Disorders, May 2015).

328. Almeida, L., Okun, M.S., Bowers, D., Ward, H., Fayad, S., Jacobson, C., McFarland, N. (2015, June). *Prevalence of depression in atypical Parkinsonian disorders versus Parkinson's disease*. Presented at annual meeting of the International Congress of Parkinson disease and Movement Disorders, San Diego, CA. (Abstract: Movement Disorders, May 2015).
329. M. Higuchi, H. Morita, D. Bowers, H. Ward, L. Warren, M. DeFranco, M.S. Troche, S. Kulkarni, E.H. Monari, D. Martinez-Ramirez, K.D. Foote, Y. Tsuboi, M.S. Okun (2015, June). *Interdisciplinary deep brain stimulation screening and the relationship to unintended hospitalizations and quality of life*. Presented at annual meeting of International Congress of Parkinson disease and Movement Disorders, San Diego, CA. (Abstract: Movement Disorders, May 2015).
330. L. Almeida, M.S. Okun, D. Bowers, H. Ward, S. Fayad, C. Jacobson, N. McFarland (2015, June). *Prevalence of anxiety in atypical Parkinsonian patients*. Presented at annual meeting of International Congress of Parkinson disease and Movement Disorders, San Diego, CA. (Abstract: Movement Disorders, May 2015).
331. Thomas, K.R., Maye, J. Bowers, D., Marsiske, M. (2015, November). *Effects of cognitive impairment on complex everyday tasks process scores*. Presented at annual meeting of the Gerontologic Society of America. (Abstract: The Gerontologist, Oct 2015).
332. Marsiske, M., Thomas, K.R., Butterfield, L., Trifilio, E. Jones, J., Reynolds, B., Steindler, D., Bowers, D. (2015, November). *Visual processing training, exergaming, & aerobic exercise effects on mood and cognition*. Presented at annual meeting of the Gerontologic Society of America. (Abstract: The Gerontologist, October 2015)
333. Levy, S., Tanner, J., Bowers, D., Price, C.P. (2016, February). *One-year reliable change of cognition and mood idiopathic non-dementia Parkinson's disease*. Presented at the 49<sup>th</sup> annual meeting of the International Neuropsychological Society, Boston, MA. (Abstract: Journal of the International Neuropsychological Society, S1, February 2016).
334. Jones, J., Tanner, J., Okun, M.S., Price, C., Bowers, D. (2016, February). *Cognition and Parkinson's disease: Influence of health comorbidities and leukoaraiosis*. Presented at the 49<sup>th</sup> annual meeting of the International Neuropsychological Society, Boston, MA. (Abstract: Journal of the International Neuropsychological Society, S1, February 2016).
335. Lafo, J., Milos, A., Scott, B., Okun, M.S., Bowers, D. (2016, February). *Startling facts about Essential Tremor: Blunted emotional reactivity as indexed by the startle eyeblink response*. Presented at the 49<sup>th</sup> annual meeting of the International Neuropsychological Society, Boston, MA. (Abstract: Journal of the International Neuropsychological Society, S1, February 2016).
336. Mangal, P., Lafo, P., Scott, B., Okun, M.S., Bowers, D. (2016, February). *Intentional enhancement of electrocortical responses to emotional pictures by Parkinson patients: Relation to executive function*. Presented at the 49<sup>th</sup> annual meeting of the International Neuropsychological Society, Boston, MA. (Abstract: Journal of the International Neuropsychological Society, S1, February 2016).
337. Scott, B., Lafo, J., Almeida, L., Okun, M.S., Bowers, D. (2016, February). *Differential effects of apathy, depression, and anxiety on cognitive function in Parkinson's disease and Essential Tremor*. Presented at the 49<sup>th</sup> annual meeting of the International Neuropsychological Society, Boston, MA. (Abstract: Journal of the International Neuropsychological Society, S1, February 2016).
338. Trifilio, E., Butterfield, L., Mangal, P., Thomas, K., Jones, J., Marsiske, M., Bowers, D. (2016, February). *Cognitive correlates of consummatory vs anticipatory anhedonia in older adults*. Presented at the 49<sup>th</sup> annual meeting of the International Neuropsychological Society, Boston, MA. (Abstract: Journal of the International Neuropsychological Society, S1, February 2016).
339. Almeida, L., Ahmed, B., Walz, R., DeJesus, S., Patterson, A., Martinez-Ramirez, D., Valliancourt, D., Bowers, D., Ward, H., Okun, M.S., Armstrong, M., McFarland, N. (2016, April). *Comparison of*

- depressive symptoms among atypical parkinsonisms and Parkinson disease.* Paper presented at, annual meeting of the Academy of Neurology, Vancouver, BC. (Abstract: Neurology, March 2016).
340. Lafo, P., Mangal, P., Scott, B., Trifilio, E., Foote, K., Okun, M.S., Bowers, D. (2017, February). Construct validity of the University of Florida DBS Cognitive Rating Scale: Red flags for neuropsychology. Presented at 50<sup>th</sup> annual meeting of the International Neuropsychological Society, New Orleans, LA. (Abstract: Journal of Neuropsychological Society, S1, Feb 2017).
  341. Trifilio, E., Butterfield, L., Mangal, P., Maye, J., Marsiske, M., Bowers, D. (2017, February). *A Tale of Two Stories: Comparing Logical Memory and Newcomer Stories in Older Adults.* Presented at 50<sup>th</sup> annual meeting of the International Neuropsychological Society, New Orleans, LA. (Abstract: Journal of Neuropsychological Society, S1, Feb 2017).
  342. Mangal, P., Lafo, P., Renfroe, J., Scott, B., Okun, M.S., Bowers, D. (2017, February). *Emotion regulation and modulation of electrocortical responses in parkinson's disease.* Presented at 50<sup>th</sup> annual meeting of the International Neuropsychological Society, New Orleans, LA. (Abstract: Journal of Neuropsychological Society, S1, Feb 2017).
  343. Szymkowicz, S., Dotson, V., Jones, J.J., Okun, M.S., Bowers, D. (2017, February). *Symptom dimensions of depression and apathy and their relationship with cognition in Parkinson disease.* Presented at 50<sup>th</sup> annual meeting of the International Neuropsychological Society, New Orleans, LA. (Abstract: Journal of Neuropsychological Society, S1, Feb 2017).
  344. Scott, B., Lafo, J., Mangal, P., Bradley, M., Perlstein, W., Okun, M., Bower, D. (2017, February). *Emotion-semantic priming and electrocortical reactivity in Parkinson's disease.* Presented at 50<sup>th</sup> annual meeting of the International Neuropsychological Society, New Orleans, LA. (Abstract: Journal of Neuropsychological Society, S1, Feb 2017).
  345. Maye, J., Butterfield, L.C., Trifilio, E., Mangal, P., Bowers, D., Marsiske, M. (2017, February). *Dispositional mindfulness as a predictor of verbal memory performance in older adults.* Presented at 50<sup>th</sup> annual meeting of the International Neuropsychological Society, New Orleans, LA. (Abstract: Journal of Neuropsychological Society, S1, Feb 2017).
  346. Scott, B.M., Strutt, A.M., Lundberg-Love, P., Schmitt, A.L., Jankovic, J., Bowers, D. (2017, June). *Emotion regulation and cognitive functioning in psychogenic patients.* International Congress of Parkinson's disease and other movement disorders, Seattle, WA.
  347. Scott, B.M., Thompson, S., Winship, K., Lafo, J., & Bowers, D (2017, Spring). Mixed linear modeling of changes in functional independence over 3 years in de novo Parkinson's disease motor subtypes. Social Sciences Conference.
  348. Kay, D., Reiley, J. Swenson, S., Trout, J., Tanner, J.T., Bowers, D. (June, 2018). The Patient-reported Outcomes Measurement information system sleep disturbance questionnaire (PROMIS-SD): A validation study in patients with Parkinson disease. Sleep,
  349. Szymkowicz, S. M., Woods, A. J., Bowers, D., & Dotson, V. M. (2017, August). Age-related mechanisms of emotion anticipation and perception. Poster presented at the 125th annual American Psychological Association (APA) convention, Washington, D. C.
  350. Belser-Ehrlich, J., Mangal, P., Lafo, J., Bradley, M., Bowers, D. (2018, February). Neurocognitive-affective dysfunction in Dandy Walker Malformation involving the cerebellum: A case study. Presented at 51st annual meeting of the International Neuropsychological Society, New Orleans, LA. (Abstract: Journal of Neuropsychological Society, S1, Feb 2018).
  351. Mangal, P., Maye, J., Trifilio, E., Butterfield, L., Bowers, D., Marsiske, M. (2018, February). Mindfulness and cognitive training interventions in older adults improve performance in cognitive control. Presented at 51st annual meeting of the International Neuropsychological Society, New Orleans, LA. (Abstract: Journal of Neuropsychological Society, S1, Feb 2018).

352. Trifilio, E., Tanner, J., Butterfield, L., Mangal, P., Maye, J., Choi, A., Moreno, C., Marsiske, M., Price, C., Bowers, D. Neuroanatomic correlates of an alternative story memory test in older adults: The left trumps the right. Presented at 51st annual meeting of the International Neuropsychological Society, New Orleans, LA. (Abstract: Journal of Neuropsychological Society, S1, Feb 2018).
353. Scott, B., Thompson, S., Winship, K., Lafo, J., Marsiske, M., Bowers, D. (2018, February). Mixed Linear Modeling of Changes in Functional Independence in De Novo Parkinson's Disease Motor subtypes. . Presented at 51st annual meeting of the International Neuropsychological Society, New Orleans, LA. (Abstract: Journal of Neuropsychological Society, S1, Feb 2018).
354. Rohl, B., Lafo, J., Mangal, P., Scott, B., Trifilio, E., Foote, K., Okun, M.S., Bowers, D. (2018, August). The UF-DBS Cognitive Rating Scale: Construct Validity in 270 Patients. Presented at American Psychological Association annual meeting, San Francisco, CA.
355. Lopez, F., Trifilio, E., Rohl, B., Pandya, S., Belser-Ehrlich, J., Fernando, H., Scott, B., McFrand, N., Bowers, D. (2019, February). Subjective cognitive impairment in Parkinson disease: Evidence from the University of Florida Cognitive Function Questionnaire. Presented at 52<sup>nd</sup> annual meeting of the International Neuropsychological Society, New York NYC.
356. Rohl, B., Lafo, J., Mangal, P., Scott, B., Trifilio, E., Foote, K., Okun, M.S., Bowers, D. (2019, February). The UF-DBS Cognitive Rating Scale: Relation to Outcome in 270 Patients. . Presented at 52<sup>nd</sup> annual meeting of the International Neuropsychological Society, New York NYC.
357. Trifilio, E., Scott, B., Mangal, P., Helphrey, J., Bowers, D. (2019). Re-EXAM-ing Executive Function in Parkinson disease: Comparison of the NIH EXAMINER to Traditional Neuropsychological Measures. Presented at 52<sup>nd</sup> annual meeting of the International Neuropsychological Society, New York City, NY
358. Sinha, P., John, J., Woods, A., Bowers, D. (2019, February). Dose Response Relationship between Near Infrared light stimulation and functional brain activity in healthy older adults. 3rd International Brain Stimulation Conference, Vancouver.
359. Trout, J. Christiansen, T., Bulkey, B., Escobar, G., Tanner, J., Bowers, D., Kay, D. (2019, June). Parkinson's Disease Patients with Probable REM Disorder have Greater Executive Control Impairments than PD patients without probably RBD. Presented at the 33<sup>rd</sup> annual meeting of the Associated Professional Sleep Societies, LLC (APSS), San Antonio, Tx.
360. Trout, J. Christiansen, T., Escobar, G., Bulkey, B., Tanner, J., Bowers, D., Kay, D. (2019, June) *Do Parkinson's Disease Patients with Probable REM Behavior Disorder Report Poorer Sleep Quality than Patients without Probable REM Behavior Disorder?* Presented at the 33<sup>rd</sup> annual meeting of the Associated Professional Sleep Societies, LLC (APSS), San Antonio, Tx.
361. Lopez, F., Rohl, B., Wagle-Shukla, A., Bowers, D. (2019, November). *Predictors of cognitive decline over a 2-year followup: Olfaction and scans without evidence of dopaminergic deficits status (SWEDD)*. Presented at annual meeting of the National Academy of Neuropsychology, San Diego. CA.
362. Lin, T., Rana, M., Ojeda, M., Liu, P., Bowers, D., Sltarem, R., Ebner, N. (2019, December). *Real-time fMRI Based Neurofeedback Training of Selective Attention in Advanced Age: The Advantage of using Functional Localizer*. Presented at annual meeting of RealTime Functional Imaging Neurofeedback Conference, Maastricht-Aachen, Netherlands.
363. Lopez, F., Lafo, J., Mangal, P., Trifilio, K., Marsiske, M., Bauer, R., Bowers, D. (2020, February). *Neuropsychological Correlates of a Virtual Spatial Navigation Task in Older Adults* Presented at the 53<sup>rd</sup> annual meeting of the International Neuropsychological Society, Denver CO.
364. Trifilio, E., Scott, B., Lopez, F. & Bowers, D. (2020, February). Pedal to the Metal: *Development of the Gainesville Apathy Scale (GAS)*. Presented at the 53<sup>rd</sup> annual meeting of the International

Neuropsychological Society, Denver, CO.

365. Scott, B., Eisenger, R., Gunduz, A., Bowers, D. (2020, February). *Rethinking the motivational continuum in Parkinson disease: apathy and impulse control disorders*. Presented at the 53<sup>rd</sup> annual meeting of the International Neuropsychological Society, Denver, CO.
366. Kenney, L., Lopez, F.V., Ratajska, A., Lemonda, B., Price, C., Jacobson, C., Okun, M.S., Bowers, D. (2020, August). *Classifying Cognitive Subtypes in Non-demented Parkinson Disease patients: a Data Driven Approach*. Annual meeting of the American Psychological Association, Washington DC. (Virtual due to Covid)
367. Ratajska, A., Lopez, F.V., Kenney, C., Jacobson, C., Foote, K.D., Okun, M.S., Bowers, D. (2020, August). *Cognitive subtypes in individuals with Essential Tremor Seeking Deep Brain Stimulation*. Annual meeting of the American Psychological Association, Washington DC. (Virtual due to Covid)
368. Polk, R., Lin, T., Rana, M. Ojeda, M., Lui, P., Bowers, D., Sitaram, R., Ebner, N.C. (2020, July). *Training selective attention in older adults via real-time fMRI Based neurofeedback*. Poster presentation at Annual meeting of Organization for Human Brain Mapping. Virtual due to Covid 19.
369. Lopez, F., Trifilio, E., Ratajska, A., Kenney, L., & Bowers, D. (2020, September). *Clinician Ratings of Cognition Predict Trajectory of Cognitive Decline in Newly Diagnosed Individuals with Parkinson's disease*. Poster Presentation. Movement Disorder Congress Annual Meeting. Virtual.
370. Kenney, L. Lopez, F. V., Price, C., Jacobson, C., & Bowers, D. (2021, February, 2-5). *Not all memory domains are created equal: How the operationalization of memory domains influences classification of Parkinson's Disease-Mild Cognitive Impairment* [Poster presentation]. 54<sup>th</sup> Annual meeting of International Neuropsychological Society Annual Meeting, San Diego (Virtual).
371. Scott, B.M., Eisinger, R.S., Austin, T., Gunduz, A., & Bowers, D. (2021, February 2-5). *Cognitive effort-based decision-making in Parkinson patients with motivational disorders*. [Poster presentation]. 54<sup>th</sup> annual meeting of International Neuropsychological Society Annual Meeting, San Diego (Virtual).
372. Ratajska, A., Lopez, F., Scott, B., Chiu, S., Patel, B., Foote, K., Okun, M.S., Bowers, D. *Differential Contributions of Depression, Apathy, and Anxiety to Neuropsychological Performance in Parkinson's Disease vs Essential Tremor* [Paper presentation]. 54<sup>th</sup> annual meeting of International Neuropsychological Society Annual Meeting, San Diego (Virtual).
373. Altaras, C., Trifilio, E., Lopez, F., Scott, B., & Bowers, D. (2021, February 2-5). *Examining the NIH EXAMINER Unstructured Task in Parkinson disease..* [Poster presentation]. 54<sup>th</sup> annual meeting of International Neuropsychological Society Annual Meeting, San Diego (Virtual).
374. Lopez, F.V., Kenney, L., Trifilio, E., Ratajska, A.R., Altaras, C., Bowers, D. (2021, February 2-5). *Stacking up against Tradition: Computerize Tests of Executive Function and Global Cognitive Status in Parkinson Disease*. [Poster presentation]. 54<sup>th</sup> annual meeting of International Neuropsychological Society Annual Meeting, San Diego (Virtual).
375. Marra, D., & Bowers, D. (2021, February 2-5). *Rapid Deployment of Tele-Neuropsychology into Clinical Practice: A Research-Based Approach* [oral presentation as part of an Invited Symposium, *Advancements in Tele-Neuropsychology Practice and Training in COVID-19*, organized by Stelmokask, J. 54<sup>th</sup> annual meeting of International Neuropsychological Society Annual Meeting, San Diego (Virtual).
376. Marra, D. E., Hamlet, K. M., Bauer, R. M., & Bowers, D. (2021, June). **Validity of teleneuropsychology for older adults in response to COVID-19: A systematic and critical review**. Invited Presentation for Student Paper Award Winners at American Academy of Clinical Neuropsychology 19th Annual Meeting. Presented Virtually.
377. Ratajska, A., Lopez, F., Kenney, L., Jacobson, C., Foote, K.D., Okun, M.S., Bowers, D. (2021, June). *Cognitive subtypes in individuals with Essential Tremor seeking Deep Brain Stimulation*.



Invited Presentation for Student Paper Award Winners at American Academy of Clinical Neuropsychology 19th Annual Meeting. Presented Virtually.

378. Polk, R., Lin, T., Rana, M., Ojeda, M., Lui, P., Bowers, d. Sitaram, R., Ebner, N. (2021, March). *Real time fMRI based neurofeedback Training of Selective Attention in Older Adults*. Society for Cognitive Neuroscience
379. Scott, B.M., Eisinger, R.S., Rana, A, Bengé, J., Hilsabeck, R., Gunduz, A., Bowers, D. (2022, Feb). *From pleasure to punding: Distinct patterns of anhedonia and impulsivity in individuals with Parkinson disease and motivational disturbances*. Presented at 55<sup>th</sup> annual meeting of the International Neuropsychological Society, New Orleans, LA
380. Scott, B.M., Eisinger, R.S., Sankar, R, Bengé, J., Hilsabeck, R., Gunduz, A., Bowers, D. (2022, Feb, ). *Impact of online versus face-to-face administration for endorsement of impulse control disorders in Parkinson disease: Do methods matter?* Presented at 55<sup>th</sup> annual meeting of the International Neuropsychological Society, New Orleans, LA
381. Kenney, L.E., Ratajska, A., Lopez, F.V., Marsiske, M., Bowers, D. (2022, February). *Early rapid eye movement sleep behavior disorder predicts incident cognitive impairment in individuals with denovo Parkinson's disease*. Paper presented at the 55<sup>th</sup> annual meeting of the International Neuropsychological Society, New Orleans, LA.
382. Lopez, FV, LaRochelle, C., Ratajska, A., Kenney, L., Scott, BM, Eisenger, R., Bowers D (2022, February). *Motivation disorders and executive dysfunction in Parkinson's disease*. Presented at the 55<sup>th</sup> annual meeting of the International Neuropsychological Society, New Orleans, LA.
383. Ratajska, A., Lopez, F.V., Kenney, L.E., O'Connell, R., Ray, A., Bowers, D. (2022, February). *The Mnemonic Similarity Task and Traditional measures: How similar are they?* Presented at the 55<sup>th</sup> annual meeting of the International Neuropsychological Society, New Orleans, LA.
384. Rodriguez, K., Schade, R. & Bowers, D. (2022, November). *Apathy and Impulsivity Overlap in Newly Diagnosed Parkinson Disease. A case for a transdiagnostic approach*. Presented at International Conference on Frontotemporal Dementia, Lille France.
385. Kenney, L. E., Tanner, J., Crowley, S., Mareci, T., Lopez, F. V., Ratajska, A., Rodriguez, K., Schade, R., Gertler, J., Price, C. E., & Bowers, D. (2023, February). *Cognitive Reserve's Relationship to Brain Burden in Parkinson's disease*. [Poster presentation]. 56<sup>th</sup> annual meeting of the International Neuropsychological Society, San Diego, CA.
386. Lopez, F.V., O'Shea, A., Alvarez-Alvarez, S., Ratajska, A., Kenney, L., Ray, A., O'Connell, R., Santos, L., Van Etten, E.J., Song, H., Armstrong, E., Gin, T., Huo, Z., Alexander, G., Woods, A.J., & Bowers, D. (2023, February). *Regional patterns of mitochondrial function using phosphorus magnetic resonance spectroscopy in older adults at-risk for Alzheimer's disease*. [Poster presentation]. 56<sup>th</sup> annual meeting of the International Neuropsychological Society, San Diego, CA.
387. Gertler, J., Kenney, L., Ratajska, A., Lopez, F., Rodriguez, K., Schade, R., Bowers, D. (2023, February). *Laterality of motor symptom onset is not associated with cognitive performance or mood symptoms in a sample of 600 individuals with idiopathic Parkinson's disease*. [Poster presentation]. 56<sup>th</sup> annual meeting of the International Neuropsychological Society, San Diego, CA
388. Ratajska, A., Bowers, D. (2023, February) *The relationship among depression, anxiety, and autonomic symptoms in de novo Parkinson disease patients over time*. [Oral presentation]. 56<sup>th</sup> annual meeting of the International Neuropsychological Society, San Diego, CA
389. Rodriguez, K., Kenney, L., Ratajska, A., Schade, R., Gertler, J., Bowers, D. (2023, February). *Exploratory factor analysis of the Cognitive Change Index -20 in individuals with Parkinson disease and Essential Tremor*. [Poster presentation]. 56<sup>th</sup> annual meeting of the International Neuropsychological Society, San Diego, CA
390. Schade, R., Kenney, L., Santos, L., Ray, A., Ratajska, A., Lopez, F., Bowers, D. (2023, February). *An update: Greater apathy associated with selective serotonin reuptake inhibitors in Parkinson's*

*disease Apathy, SSRI's and Parkinson disease*. [Oral presentation]. 56<sup>th</sup> annual meeting of the International Neuropsychological Society], San Diego, CA

391. Santos, L., Kenney, L.E., Ray, A., Paredes, A., Ratajska, A., & Bowers, D. (2023, February). *Anticholinergic Medications, Cognition, and Parkinson's disease: Do medications matter?* [Oral Presentation]. 56<sup>th</sup> annual meeting of the International Neuropsychological Society, San Diego, CA
392. Ratajska, A., Goetz, J., Zahodne, L., Etheridge, C., Bowers, D. (2023, August). *Apathy in Parkinson's disease: Relationship to autonomic symptoms*. International Congress of Parkinson's Disease and Movement Disorders, Copenhagen.
393. Lopez, F., Hess, C., O'Connell, R., Ray, A., O'Shea, A., Kenney, L., Ratajska, A., Alexander, G., Woods, A., Okun, M.S. Bowers, D. (2023, August) *Patterns of Parkinson Disease Mitochondrial Brain Function indexed by 31P Magnetic Resonance Spectroscopy*. International Congress of Parkinson's Disease and Movement Disorders, Copenhagen.
394. Chan, J., Johnson, K.A., Kenney, L.E., Bowers, D., Hilliard, J., Foote, K.D., de Hemptinne, C. (2023, Fall). *Subthalamic and pallidal local field potential activity associated with cognitive performance in patients with Parkinson Disease*. Society for Neuroscience.
395. Santos, L. G., Kenney, L. E., Ratajska, A.M., Rodrigues, K., Schade, R., & Bowers, D. (2023, October 25-28). *Effects of Depression, Apathy and Anxiety on Cognition in Hispanic Individuals with Parkinson Disease* [Poster Presentation]. Hispanic Neuropsychological Society at annual meeting of National Academy of Neuropsychology, Philadelphia, PA, United States.
396. Gertler, J., Kenney, L., Ratajska, A., Lopez, F., Rodriguez, K., Schade, R., Ray, A., Tanner, J., Alexander, G., Woods, A., Bowers, D. (2023, October). *Apathy is associated with increased connectivity of right nucleus accumbens with right insular, frontal, and temporal circuitry in older adults*. To be presented at annual meeting of the Society for Psychophysiological Research.
397. Kenney, L., Santos, L., Ray, A., Paredes, A., Ratajska, A., Eversole, M., Bowers, D. (2023, October). *Anticholinergic burden scales are not created equal: differential relationships to cognition in Parkinson disease*. To be presented at the annual meeting of the National Academy of Neurology, Philadelphia, PA.
398. Barnas, A., Bowers, D. Ebner, N., Weisberg, S. (2023, November). Individual differences in visual attention correlate with spatial navigation in aging. Symposium for Individual Differences in Cognition. Psychonomic Society, November 2023, San Francisco, CA.

#### **INVITED TALKS, Professional - National & International**

1. Bowers, D. (2023, August). Discussant and Organizer. Division 40 Fellows Seminar. [Dr. David Lechuga: ]. American Psychological Association Annual Meeting, Washington DC.
2. Bowers, D. (2023, July 5). Invited Speaker, Round Table Host. Parkinson's Apathy: Why Do we Care? 6<sup>th</sup> World Parkinson Congress, Barcelona, Spain.
3. Bowers, D. (2023, July 5). Invited Speaker: Apathy-Why we Care. In Symposium: Apathy and Fatigue - Underrecognized non motor symptoms and their relation to quality of life in Parkinson disease. To be presented at 6<sup>th</sup> World Parkinson Congress, Barcelona, Spain.
4. Bowers, D. (2023, May 8). Invited Speaker, Boston VAMC Neuropsychology Rounds.
5. Bowers, D. (2023, April 14). Invited Speaker, NIA/NIH Intramural Seminar on Photobiomodulation.
6. Bowers, D. (2022, August). Discussant and Organizer, Division 40 Fellows Symposium (Speaker: Dr. Duke Han: Financial Decision Making in Older Age: Neuropsychology, Neuroimaging, and Public

Policy Considerations Presented at annual meeting of American Psychological Association, Minneapolis, MN.

7. Bowers, D. (2022, April). Invited panelist. NINDS Workshop: Maintaining Neural Networks – Transforming Mentorship. NINDS R25-T32 Workshop, April 25-26, 2022.
8. Bowers, D. (2021, August). Discussant and Organizer. Division 40 Fellows Luncheon. [Speakers: Hamberger, M. When Only One Word Will Do: the Neuropsychology of Naming; and Dotson, V., Neurobiological and Social Determinants of health Disparities in Vascular Depression: Presented at annual meeting of American Psychological Association, Virtual Zoom
9. Bowers, D., Woods, A., Alexander, G. (2021, April). Invited Presentation, *Update on a Pilot Intervention with Older adults using Near Infrared Stimulation: A Multi-site Collaborative Project between U Florida and U Arizona*. Presented at 12<sup>th</sup> Annual Inter-institutional meeting of the McKnight Research Foundation and Evelyn F. McKnight Brain Institutes, April 28, 2021, Zoom conference (Miami).
10. Bowers, D. (2020, August). Discussant and Organizer. Division 40 Fellows Luncheon. [Speakers: Hamstead, B.. *Targeted Neuromodulation in those with Dementia*, and Conklin, H., *Balancing Cure with Quality of Life: Mitigating Cognitive Late Effects among Childhood Cancer survivors* ], Presented at annual meeting of American Psychological Association, Washington DC. Virtual Zoom.
11. Bowers, D., (2019, December). Invited Presenter. *Assessing Movement Disorders Patients Before Implementation Surgery: Real Life Case Vignettes from Neuropsychology and Psychiatry*. Movement Disorders Society-PAS 2<sup>nd</sup> School on Neuromodulation for Movement Disorders. Gainesville, FL.
12. Bowers, D. (2019, August). Discussant and Organizer. Division 40 Fellows Luncheon. [Speaker: Duff, K. When Two in the Bush Might be Better than One in the Hand: The Value of Practice Effects in Cognitive Aging and Alzheimer's Disease], Presented at annual meeting of American Psychological Association, Chicago III.
13. Bowers, D., (2019, August). Invited Discussant/mentor. *Modern Day Strategies to Support and Market your Research Program: An Interactive Workshop.*, Chair: Laura Zahodne, Sponsored by APA Divisions 20 and 40. American Psychological Association, Chicago, IL
14. Bowers, D. (2017, August). Invited Discussant. *Best Practices in mentoring women in psychology: Lessons in receiving and giving mentoring*. Chair: Shullman, S., Sponsored by APA Divisions 22, 35, and 40. American Psychological Association, Washington DC.
15. Bowers, D. (2017, August). Discussant and Organizer. Division 40 Fellows Luncheon. [Speakers: Suhr, J.: Putting the psychology back into neuropsychology; Lamar, M. Cognition as a predictor not consequence of disease], Presented at annual meeting of the American Psychological Association, Washington, DC.
16. Bowers, D. (2016, September). *Age Related Changes in Mood and Emotions*. Invited speaker, 40<sup>th</sup> Annual course in Behavior Neurology and Neuropsychology (Florida Society for Neurology), Orlando, FL.
17. Bowers, D. (2016, August) *Think Big: Emotion Regulation, Apathy and Parkinson's disease*. Invited Address (Division 40), Annual meeting of American Psychological Association, Denver, CO (8/5/2016).
18. Bowers, D. (5/13/2016). *Emotion Regulation and Parkinson Disease*. Invited Speaker, University of Utah Department of Psychology. Salt Lake City, UT
19. Bowers, D. (2014, August). *Laughter Elicited by Deep Brain Stimulation: Implications for Affective Neuroscience*. Invited speaker: As part of Interdisciplinary APA Symposium, Laughter and Sociality: Integrating Evolutionary, Developmental, Cognitive, and Clinical Perspectives, Nancy Dress, organizer. Annual convention of the American Psychological Association, Washington DC.

20. Bowers, D., (2012, August). *Startling Facts about Emotion and Cognition in Parkinson Disease*. Invited Address, American Psychological Association, Division 40, Annual meeting of American Psychological Association, Orlando, FL.
21. Bowers, D. (2012, August), Invited Discussant. Panel on: *Professional Dilemmas: Managing inappropriate exchanges in the workplace. A conversation sponsored by Women in Neuropsychology WIN*. Organized by Kretzmer, T., Pavalla, S. Presented at the annual meeting of the American Psychological Association, Orlando, FL.
22. Bowers, D. (2010, October) *Emotional Aging and Mood in Older Adults*. Invited, Speaker, 35<sup>th</sup> Annual Course in Behavioral Neurology and Neuropsychology (Florida Society of Neurology), Orlando, FL
23. Bowers, D. (2009, September). *Neuropsychiatric and Cognitive Complications of Parkinson's Disease*. Invited Speaker, Allied Team Training for Parkinson (ATTP), National Parkinson Foundation, Miami, FL.
24. Bowers, D. (2008, December). *Assessment of Emotion and Mood in Parkinson's Disease*. Invited Speaker, 33<sup>rd</sup> Annual course in Behavioral Neurology and Neuropsychology (Florida Society of Neurology), Orlando, FL.
25. Bowers, D. (2005, December). *Assessment of Emotion and Mood In Parkinson's Disease*. Invited Speaker, 30<sup>th</sup> Annual course in Behavioral Neurology and Neuropsychology (Florida Society of Neurology), Orlando, FL.,
26. Bowers, D. (2004, April). *Emotional Changes in Parkinson's Disease*. Invited Speaker, 2<sup>nd</sup> Annual UF Parkinson's Disease Update, McKnight Brain Institute, Gainesville, FL
27. Bowers, D. (2002, December). *The assessment of emotion*. Invited Speaker, 27<sup>th</sup> Annual course in Behavioral Neurology and Neuropsychology (Florida Society of Neurology), Orlando, FL.
28. Bowers, D. (2001, December). *The role of the amygdala in emotion*. Invited Speaker, 26<sup>th</sup> Annual course in Behavioral Neurology and Neuropsychology (Florida Society of Neurology), Orlando, FL.
29. Bowers, D. (1997, February). *Startling Facts about Emotion: New Approaches to the Psychological study of emotion*. Invited Symposium (Bowers, organizer; Speakers: D. Tranel, P. Lang, M. Bradley, D. Bowers). Presented at the 30<sup>th</sup> annual meeting of the International Neuropsychology Society, Orlando, FL.
30. Bowers, D. (1997, December) *New paradigms for the study of emotional reactivity in temporal lobe epilepsy*. Invited speaker. Presented at the annual meeting of the American Epilepsy Society. Boston, MA.
31. Bowers, D. (1995). *Neuropsychological Assessment of memory*. Invited Speaker, 20th Annual course in Behavioral Neurology and Neuropsychology (Florida Society of Neurology and Center for Neuropsychological Studies), Orlando, FL, December 1995.
32. Bowers, D. (1995, September) *Cortical contributions to emotion*. Invited Speaker, Annual meeting of the American Epilepsy Society. Washington, D.C.
33. Bowers, D. (1995, December). *Neuropsychology for the Speech/Language Pathologist*. Invited speaker, Annual meeting of the American Speech and Hearing Association, Orlando, FL.
34. Bowers, D. (1993, December). *The cold cognitions of emotion*. Invited Speaker, 18th annual course in Behavioral and Neuropsychology (Florida Society of Neurology and Center for Neuropsychological Studies), Lake Buena Vista, FL.
35. Bowers, D., (1992, December). *Memory disorders following cortical and subcortical dementia*. Invited

- Speaker, 17th annual course in Behavioral Neurology and Neuropsychology (Florida Society of Neurology and Center for Neuropsychological Studies), Lake Buena Vista, FL.
36. Bowers, D., Heilman, K. (1992). *Issues in the perception of nonverbal affect signals*. Invited Speaker. Symposium on Emotion and the Brain (J.C. Borod, Organizer), Presented at the annual meeting of the International Neuropsychological Society, San Diego CA.
  37. Bowers, D. (1991, December). *Disorders of Temporal Memory*. Invited Speaker, 16th annual course in Behavioral Neurology and Neuropsychology (Florida Society of Neurology and Center for Neuropsychological Studies), Lake Buena Vista, FL,
  38. Bowers, D. (1990, December) *Faces and gestures*. Invited Speaker, 15th annual course in Behavioral Neurology and Neuropsychology (Florida Society of Neurology and Center for Neuropsychological Studies), Lake Buena Vista, Florida.
  39. Bowers, D. (1989, December) *Varieties of attention*. Invited Speaker, 14<sup>th</sup> Annual course in Behavioral Neurology and Neuropsychology (Florida Society of Neurology and Center for Neuropsychological Studies). Tampa, Florida.
  40. Bowers, D. (1988, December) *Frontal contributions to amnesia*. Invited Speaker, 13<sup>th</sup> Annual course in Behavioral Neurology and Neuropsychology (Florida Society of Neurology and Center for Neuropsychological Studies). Lake Buena Vista, Florida.
  41. Bowers, D. (1987, December) *Cognitive models of emotion*. Invited Speaker, 12<sup>th</sup> Annual course in Behavioral Neurology and Neuropsychology (Florida Society of Neurology and Center for Neuropsychological Studies) Lake Buena Vista, Florida.
  42. Bowers, D. (1986, December) *Neuropsychological distinctions among amnesic syndromes*. Invited Speaker, 11<sup>th</sup> Annual course in Behavioral Neurology and Neuropsychology (Florida Society of Neurology and Center for Neuropsychological Studies) Lake Buena Vista, Florida.
  43. Bowers, D. (1985, November) *Disorders of memory*. Invited Speaker, 10<sup>th</sup> Annual course in Behavioral Neurology and Neuropsychology (Florida Society of Neurology and Center for Neuropsychological Studies) Sarasota, Florida.
  44. Bowers, D. (1983, November) *Neuropsychological assessment of memory in dementia*. Invited speaker, 8<sup>th</sup> annual course in Behavioral Neurology and Neuropsychology (Florida Society of Neurology). Sarasota, Florida.
  45. Bowers, D. (1981, December) *Color Agnosia*. Invited Speaker. 6<sup>th</sup> annual course in Behavioral Neurology and Neuropsychology (Florida Society of Neurology). December 1981. St. Petersburg, Florida.
  46. Bowers, D. (1980, August). *Hemispatial effects on laterality tasks*. Invited Speaker. Symposium on: Models and Mechanisms of Cerebral Laterality. Paper presented an annual meeting of American Psychological Association. Montreal, Canada.
  47. Bowers, D. (1980, December) *Neuropsychological assessment of frontal-subcortical dementia* . Paper presented at 5<sup>th</sup> annual course in Behavioral Neurology and Neuropsychology (Florida Society of Neurology). Daytona Beach, Florida.
  48. Bowers, D. (1979, October) *Effects of hemispace on tactile laterality tasks*. Invited Speaker, Department of Neurology, University of Oregon Medical Sciences. Portland, Oregon.
  49. Bowers, D. (1979, October) *Hemispatial effects on laterality tasks*. Invited Speaker, Department of Psychology, University of Victoria. Victoria, British Columbia.
  50. Bowers, D. (1977, December) *Differential Diagnosis - dementia vs. depression*. Invited Speaker, 2<sup>nd</sup> annual course in Behavioral Neurology and Neuropsychology (Florida Society of Neurology). Lake

Buena Vista, Florida.

### International - Invited Webinar

1. Bowers, D. (6/14/2016). *Apathy or Depression: Which one is it?* PD Expert Briefing Webinar, Parkinson's Disease Foundation. <http://event.netbriefings.com/event/pdeb/Live/apathy/> . Over 1700 patients, caretakers, and allied health care professionals enrolled

### Invited Talk, Community Outreach - State and Local

1. Bowers, D. (2019, September). *Staying Positive with Parkinson disease*. Seminar for Big Bend Parkinson Chapter, Tallahassee, FL
2. Bowers, D. (2016, November). *A tale of two emotions in Parkinson disease: depression vs apathy*. Featured Speaker, Neuro Challenge Foundation Distinguished Speaker Symposium, Sarasota, FL (11/5/2016).
3. Bowers, D. (2015, November). *Improving memory in Parkinson Disease: Top 10 tips*. Presented at Daytona Parkinson Disease Support Group, Daytona Beach, FL.
4. Bowers, D. (2014, April). *Brain Health: Memory and Motivation – prevention and intervention*. Invited speaker. Presented at 12<sup>th</sup> Annual Parkinson's Disease Symposium for Patients, Caregivers, and Providers, University of Florida, Gainesville, FL.
5. Bowers, D. (2013, April). *Improving memory in Parkinson Disease: Top 10 tips*. Invited Speaker, Presented at 11<sup>th</sup> annual Parkinson Day Symposium for Patients and Caregivers, UF, Gainesville Florida.
6. Bowers, D. (2013, October). *Neuropsychology of Memory and Movement*. Featured Speaker, Presented at 4<sup>th</sup> Annual Case Management Symposium, Mission Inn, FL.
7. Bowers, D. (2011, October). *The Role of Neuropsychology in Dementia*. Featured speaker, Affair to Remember, The Village, Gainesville, FL

### Internal Invited Lectures/Talks (University of Florida, from 2019 onward)

1. Bowers, D. (2022, August 23). *Neuropsychology of ADRD and diagnostic guidelines*. Lecture in Introduction to ADRC: Clinical and Mechanistic Principles. (GMS 6757 ). Department of Neuroscience
2. Bowers, D. (2019, August 21). *Neuropsychology of ADRD and diagnostic guidelines*. Lecture in Introduction to ADRC: Clinical and Mechanistic Principles. (GMS 6757 ). Department of Neuroscience:
3. Bowers, D., (2019, September 14). *The Lesion Approach in Neuropsychology: history and current status*. Lecture in: Cognitive Psychology (CLP , W. Perlstein course instructor). Department of Clinical & Health Psychology.
4. Bowers, D. (2019, May). *What the Neurologist Needs to Know about Neuropsychological Assessment*. Lecture to Movement Disorders Fellows, Department of Neurologi, Fixel Institute, University of Florida.
5. Bowers, D. (2019, April). *Novel intervention strategies for cognition in Parkinson disease*. Lecture to Movement Disorders Fellows, Department of Neurology, Fixel Institute of Neurological Disease. University of Florida.
6. Bowers, D. (2020, September 21). *Neuropsychology of ADRD and diagnostic guidelines*. Lecture in Introduction to ADRC: Clinical and Mechanistic Principles. (GMS 6757 ). Department of Neuroscience:
7. Bowers, D. (2021, March). *Neuropsychology of Visual Cognition*. Lecture in Adult Neuropsychological Assessment). Recorded-Zoom, Department of Clinical & Health Psychology.

8. Bowers, D. (2021, June 4). *Cognitive Changes in Individuals with Movement Disorders: Challenges, Controversies and Recommendations*. Lecture to Movement Disorders Fellows, Department of Neurology, Fixel Institute, University of Florida.
9. Bowers, D. (2021, August) *The Lesion Approach in Neuropsychology: history and current status*. Lecture in: Cognitive Psychology (CLP, W. Perlstein course instructor). Department of Clinical & Health Psychology. University of Florida
10. Bowers, D. (2021, October 1). *Riveting Case Series – The man who lost his panic button*. Presented at UF chapter of ANST, University of Florida (Zoom)

#### **Presentations: McKnight, National Parkinson Foundation, Fixel Institute**

1. Bowers, D. Organizer (2021 October). Third Annual T32-Movement Disorders Fellows Research Symposium, UF Fixel Institute of Neurological Disease, Gainesville FL
2. Bowers, D. Organizer (2020, October). Second Annual T32-Movement Disorders Fellows Symposium. Zoom-Virtual. UF Fixel Institute of Neurological Disease, Gainesville, FL
3. Bowers, D., Organizer. (2019, January). First annual T32-Movement Disorders Fellows Symposium. UF Fixel Institute of Neurological Disease, Gainesville, FL.
4. Bowers, D. (2015, October). *Clinical Neuropsychology of Parkinson Disease*. Presented to Site Visit Team, as part of External Review by National Parkinson Foundation, UF Center for Movement Disorders and Neurorestoration, University of Florida, Gainesville, FL.
5. Bowers, D. (2015, October). *Research Update from the Cognitive Neuroscience Laboratory*. Presented to Site Visitors, External Review by National Parkinson Foundation. UF Center for Movement Disorders and Neurorestoration, University of Florida, Gainesville, FL
6. Bowers, D., Marsiske, M. (2013, June 19) *Combined Cognitive-Exercise Interventions in the very old: The Vital Study*. Presented at External Advisory Board Meeting, Age Related Memory Loss (ARML) Program and Center for Cognitive Aging & Memory Clinical Translational Research Program (CAM-CTRP), for McKnight Brain Research Foundation, University of Florida, Gainesville, FL June 19, 2013.
7. Bowers, D., Marsiske, M. (2011, October). *Update on the VITAL Study: the "half-way" point*. Presented to trustees of the McKnight Brain Research Foundation, University of Florida, McKnight Brain Institute, Gainesville FL.
8. Bowers, D. (1992). *Social Emotional Learning Disability (Project 4)*. Center Grant Reverse Site Visit: "Emotion, Children, and the Brain." Overall PI: Kytja Voeller, MD. NICHD, Bethesda, MD. June 1991.

#### **INVITED WORKSHOPS**

1. Bowers, D. (1997). Neuropsychology of Emotion. Houston Neuropsychological Society. Baylor School of Medicine. Houston, TX. September
2. Bowers, D., and Bauer, R. (1994) Seminar series on "Emotions and the Brain". Sponsored by MindMatters, March 1993, Houston, Dallas, Austin, San Antonio, Tx.
3. Bowers, D., and Bauer, R. (1991) Seminar series on "Emotions and the Brain". Sponsored by Cortex, October-November 1991, Miami, Tampa, St. Petersburg, Orlando, Jacksonville, FL.
4. Bowers, D., R, Bauer, Fennell, E., and Rothi, L. (1983): Introductory Workshop on Neuropsychological Assessment". A pre-convention workshop of the 11<sup>th</sup> annual meeting of the

International Neuropsychology Society. Mexico City, Mexico DF February 3, 1983.

5. Bowers, D. and Bauer, R. (1983): Workshop on "Neuropsychological Assessment of Memory". A preconvention workshop of the 9<sup>th</sup> Annual Course in Behavioral neurology and Neuropsychology. Florida Society of Neurology: November 16, 1983. Sarasota, Florida
6. Bowers, D. Bauer, R., E. Fennell (1981): Workshop in Neuropsychological Assessment. A preconvention workshop of the 7<sup>th</sup> Annual Course in Behavioral Neurology and Neuropsychology. Florida society of neurology, December 3, 1981. St. Petersburg, Florida.

## **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

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

Chair, Fellows Selection Committee, Division 40, American Psychological Association, 2016

Career Mentoring Award, International Neuropsychology Society (Paul Satz Award), Seattle, WA, February 2014

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

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

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

Dissertation Mentoring Award, College of Public Health and Health Professions, University of Florida, May 2014.

University of Florida Doctoral Dissertation Mentoring Award, April 2015.

T32 recognition (by NINDS) as a "model interdisciplinary program" at biannual meeting of the T32 PI's, Bethesda, MD, April 2015.

University of Florida Term Professorship, 2017-2020. Gainesville, FL.

Distinguished Faculty Award, Department of Clinical & Health Psychology, University of Florida 2021

Distinguished Alumna Award, College of Public Health and Health Professions, University of Florida, 2022



## **EXTRAMURAL SERVICE**

### **NIH Grant Review**

1992:	Ad hoc member, Merit Review for VAMC Western Division
1994:	Ad hoc member, Clinical Neuroscience Special Emphasis Panel, National Institutes of Mental Health/NIH (Fall 1994)
1994	Ad hoc member, NINDS Special Review for Center Grants (Fall 1994)
1995:	Ad hoc member, NINDS, Special Emphasis Panel, Center Grants
1995-1999	Member, VA Merit Review Mental Health and Behavioral Science Subcommittee,
1999-2002	Member, Minority Research Infrastructure Support program (MRISP), Special Review Group
2004-2005	Ad hoc member, Biobehavioral Mechanisms of Emotion, Stress, and Health (MESH) NIH, October 2004, June 2005
2005	Ad hoc member, Special Emphasis Panel, Cognition & Perception Study Section (SRG 2006/01), February 2005
2006	Ad hoc member, Special Emphasis Panel, Brief Start Review Program, NIA/NIH February 2006
2006	Ad hoc reviewer, Special Emphasis Panel (ZRR! BT-801), NIH, Interdisciplinary Research Consortium, August 2006
2009-2011	Ad hoc Member, Adult Psychopathology and Disorders of Aging study section,
2012	Ad hoc Reviewer, Special Emphasis Panel, Clinic and Imaging Translation Study Section [ZRG1 DTCS Y(81)], 2012
2012	Ad hoc Reviewer, NIH Loan Repayment Program (NINDS), April 2012.
2012	Ad hoc Reviewer, Merit Review Panel for Mental Health and Behavioral Sciences – B (MHBB) Department of Veterans Affairs, November 2012 11/ 2012
2012-2014	Member, NIH SBBIR 2013/01 ZRG1 ETTN-K (10) B – Small Business: Clinical Neurophysiology, Devices, Neuroprosthetics, and Biosensors
2013-2017	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
2017, 2018	Member, Review Panel for NIH NINDS T32 Training programs
2018	Member, Review panel VA RR&D, SPIRE grant program
2020-22	Member, NINDS SEP ZNS1 SRB K(25) R13 Review Panel
2020	Member, Review Panel for NIH NINDS t32 Training Programs

2021	Member, NIH, Special Emphasis Panel/Scientific Review Group 2022/01 ZRG1 BDCN-W (02) M
2022	Member, NIMH, SEP, NIMH Early Stage Clinical Trials of Pharmacologic or Device-Based Interventions 2022-2023/01 ZMH1 ERB-B (01) S
2023	Member, NINDS, SEP, NINDS Exploratory Clinical Trials, ZNS1 SRB G(62)

### Editorial Boards

2010-2019	The Clinical Neuropsychologist
2003-2009	Journal of Neuropsychological Society
2006-2010	Neuropsychology

### Journal Reviewer (> 20 different journals)

Annals of Neurology  
 Assessment  
 Behavioral and Brain Science  
 Brain  
 Brain & Cognition  
 Clinical Neuropsychologist  
 Cortex  
 Emotion  
 Journal of Abnormal Psychology  
 Journal of American Medical Association  
 Journal of Cognitive Neuroscience  
 Journal of Experimental and Clinical Neuropsychology  
 Journal of International Neuropsychological Society  
 Journal of Neuropsychiatry and Clinical Neuroscience  
 Lancet  
 Movement Disorders  
 Neurocase  
 Neurology  
 Neuropsychology  
 Neuropsychologia  
 New England Journal of Medicine  
 Psychosomatic Medicine  
 Parkinson disease  
 Parkinsonism and Related Disorders

### Professional Service

1/2024	Member, American Psychological Association Fellows Committee
5/2021 -	Member, External Advisory Board, University of Alabama, NINDS T32, <i>Training Program in Neurodegeneration</i> (T32-NS095775), MPI: Standeart, D., & Reiner, E.
5/2021-	Member, External Advisory Committee, Emory University, NINDS <i>Translational T32 Training Program</i> (MPI: Gross, R., Drand, D., & Gutekunst, MD)
12/2020-	Member, Internal Advisory Board, University of Florida, NHLBI T32 Training Grant, <i>Breathing Research and Therapeutics (BREATHE)</i> , PI: Gordon Mitchell
8/2016-2023	Chair, Division 40 (SCN) Fellows Committee, American Psychological Association
8/2016–2023	Executive Committee, Society for Clinical Neuropsychology, Division 40, American Psychological Association
2/2016-18	Emotion Research Workgroup, McKnight Brain Research Foundation (Lee Ryan & Carol Barnes, Co-Chairs); Meetings: Tuscon [April 2016], Ponte Vedra [September 2016]

2015-16	APA Representative, American Academy of Neurology Workgroup on Quality Care Indicators for Parkinson Disease
2014-2023	Member, Division 40 (SCN) Fellows Committee, American Psychological Association
2013	Mentor, ABPP-CN program through American Academy of Clinical Neuropsychology
2013	Program Committee, International Neuropsychological Society
2012-15	Board of Governors, International Neuropsychological Society
2011-13	Co-Chair, Test Development Workgroup, McKnight Research Foundation (Meetings: Denver [3/2011 ], New Orleans [8/2011 ], Tuscon [4/2012 ])
2008-09	Chair, Committee on Historical Contributions, International Neuropsychological Society
2008	Program Committee, International Neuropsychological Society
2005-16	Member, Awards Committee, International Neuropsychological Association (Chair: Bob Heaton)
2004	Program Committee, International Neuropsychological Society
2000-	Mentor & Charter Member, Women in Neuropsychology (WIN), APA, Division 40
1996	Program Committee, International Neuropsychological Society
1995	Program Committee, American Psychological Society
1993-98	Continuing Education Committee, International Neuropsychological Society
1991	Program Committee, International Neuropsychological Society
1986	Program Committee, International Neuropsychological Society

## **UNIVERSITY SERVICE**

2023-	Chair, Faculty Search Committee (Assoc-Full Profess), Clinical & Health Psychology, UF.
2022	Chair, Faculty Search Committee (Clinical Assistant Professor), Clinical & Health Psychology, UF
2021-	Chair, Faculty Search Committee (Clinical Assistant Professor, part-time), Clinical & Health Psychology, UF
2021-	Chair, Faculty Search Committee, Tenure track Assistant Professor, Clinical & Health Psychology, UF
2020-	Member, Internal Advisory Board, T32 Breathe (PI: Gordon Mitchell)
2020-21	Member, Faculty Search Committee, Applied Physiology and Kinesiology, College of HHP
2020-21	Member, Chair Search Committee, Speech Language Hearing Sciences, College of PHHP.
2020-2022	Member, UF Faculty Doctoral Dissertation Advisor/Mentoring Award Selection Committee
2019	Member, Cluff Aging Award Review Committee, Department of Psychology
2018-	Member, Education & Research Outreach Committee, UF McKnight Brain Institute; Chair: Jada Lewis & Jennifer Bison
2016-	Member, UF Faculty Doctoral Dissertation Advisor/Mentoring Award Selection Committee
2016-17	Member, PHHP Faculty Mentoring Committee, Chair: Amy Blue, Ph.D.
2016	Member, Faculty Search Committee, College of Medicine, Department of Neurology
2016-22	Chair,, Faculty Awards Committee, College of Public Health & Health Professions
2015	Member, Faculty Search Committee, College of Health and Human Performance, Chair: David Vaillancourt
2015	Neuroscience and Integrated Care Education (NICE) workgroup, CHP Representative
2014-15	Member, CHP Chair Search Committee, College of Public Health and Health Professions, Chair: Linda Cottler, Fall 2014- February 2015
2012-13	Chair, Faculty Council, College of Public Health and Health Professions

2013	Member, Steering Committee, UF Neurorehabilitation Program Development
2011-12	Vice Chair, Faculty Council, College of Public Health and Health Professions
2010-11	Chair Search Committee, College of Public Health and Health Professions, Chair: Stephanie Hanson, Fall 2010-June 2011
2010-11	Faculty Search Committee, College of Health and Human Performance, Chair: Chris Janelle, Fall 2010-Spring 2011
2009-2013	Faculty Council, College of Public Health and Health Professions
2009-10	Faculty Search Committee, College of Health and Human Performance, Chair: Jim Carraugh, Fall 2009-Spring 2010
2009-10	Faculty Search Committee, Department of Neurology, College of Medicine, Chair: Michael Okun, Fall 2009-Spring 2010
2008	Member, Biomedical Review Committee, UF Opportunity Fund
2004-08	Florida Cares Program, College of Medicine
2002	Member, University Task Force, Revision of Criteria for New Undergraduate Degree Programs, June 2002-October 2002
1999-02	Member, Graduate Council, University of Florida
1999-01	Graduation Marshall, University of Florida
1995-97	Health Science Institutional Review Board (IRB-01)
1993-95	Member, Space Design Committee, McKnight Brain Institute
1987-89	Member, University of Florida Senate

### **COMMUNITY SERVICE**

2016-18	Faculty Advisor, Student run Neuropsychology Outreach Service, Equal Access Clinic (with Meredith Wicklund, MD, and Students from ANST)
2014	Dementia Screenings, The Village, Gainesville, FL
2001	Memory Screening, The Villages, FL
2000	Judge and Director, Behavioral Science Section, State of Florida Science Fair
1995	Judge, Behavioral Science Section, Alachua County Science Fair,
1992	Judge, Behavioral Science Section, State of Florida Science Fair,
1991	Judge, Science Fair, Jordan Glenn School, Archer, FL

### **DEPARTMENTAL SERVICE**

Director, Neuropsychology Postdoctoral Program, 2019-  
 Member, Curriculum Committee, 2018-ongoing  
 Neuropsychology Area Head, 2006-2018  
 Clinical Operations Group, 2006-2018  
 CHP Executive Group, 2011-2018  
 Graduate Admissions Committee, 2016-17, 2013-14, 2011-12, 2009, 2004-2006, 1998-2003)  
 Member, Curriculum Committee, 2009-11  
 Member, Practicum Models Review subcommittee, 2017-2018  
 Faculty Advisor, Association for Neuropsychology Students in Training, 2013-  
 Coordinator, Clinical Neuropsychology Post-Doctoral Program (2005-2018)  
 Chair, Faculty Mentoring Committee, Dr. Dotson, 2011-2015  
 Member, Internship Review Workgroup (Guenther, Chair), 2007  
 Member, Internship Workgroup (Waxenberg, Chair), 2006  
 Co-Chair, Neuropsychology Workgroup (with Eileen Fennell), 2005-06  
 Member, Clinical Neuroscience Workgroup (Chair: Bruce Crosson), 2005-06  
 Chair, Faculty Mentoring Committee, Dr. Price, 2005-2010  
 Chair, Faculty Search Committee (for NP faculty), 2005  
 Member, Faculty Mentoring Committee (Dr. Moore), 2003-4  
 Member, Psychology Clinic Marketing Committee (Chair: Ashkanazi), 2001  
 Psychology Clinic Team Leader, 1999-2002

### **UNIVERSITY ORGANIZATIONS**

2003	Center for Movement Disorders and Neurorestoration, Charter member
1999	Institute on Aging, University of Florida
1995-98	Neural Program for Signal Transduction, Neuroplasticity & Drug Discovery, Charter member
1992-98	College of Medicine Women Faculty Association, Charter member
1990	University of Florida Brain Institute/ McKnight Brain Institute, Charter member

## **TEACHING & ADVISEMENT**

### **Courses**

<b>Undergraduate</b>	Introduction to Neuropsychology (1980) Undergraduate Research (Psy 3911, CLP 3911, HP4905)
<b>Graduate</b>	Classics in Neuropsychology (2017- ongoing) Adult Neuropsychological Assessment (2000, 2002, 2004, 2006, 2010, 2012, 2014, 2017) Human Brain Function (2010, 2012, 2014, 2016, 2018, 2020) Clinical Practicum in Neuropsychology, 1998-present Advanced Clinical Practicum in Neuropsychology, 1998-present Masters Research, Advanced Research, Doctoral Research (ongoing) Experimental Methods in Neuropsychology (2001, 2003) Neuropsychology Symposium (2001, 2003) Neuropsychological Disorders in Aging (1999)

### **Advisement**

<b>Undergraduate</b>	Faculty advisor, Interdisciplinary Studies in Neurobiology/ Cognitive Neuroscience (1991 –ongoing) Faculty Advisor, National Science Foundation Summer Institute in Neurobiology (1988-1989) Faculty Advisor, Center for Precollegiate Education and Training (1985-
<b>Graduate</b>	Faculty Advisor, UF chapter (CHP graduate students), Association for Neuropsychology Students in Training (ANST), 2012-onward

## **RESEARCH SUPERVISION**

<b>Post-Doctoral</b>	Supervision of Post-Doctoral Research Fellows in Behavioral Neurology Research Laboratory, Center for Neuropsychological Studies, Department of Neurology, 1980-1998. <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>  Supervision of Post-Doctoral Neuropsychology Research Fellows in Cognitive Neuroscience Laboratory, McKnight Brain Institute, Clinical & Health Psychology, University of Florida, 1999-
<b>Graduate</b>	Masters and Doctoral Committees: Total 120 Doctoral Committee: Chair 26, Member 41 Masters Committee: Chair 22, Member 41

<b>Undergraduate</b>	Major Advisor, Psychology Honors Theses: 12 Major Advisor, Interdisciplinary Studies in Neurobiological Sciences: 15 Major Advisor, Honors in Health Science: 4 Major Advisor, University Scholars: 6
<b>Other:</b>	Medical Student and Resident Training in Neuropsychological Assessment

### **CHAIR, DOCTORAL COMMITTEE\***

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

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

Cynthia Cimino, Ph.D., ABPP/CN (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, Brookline, MA

Beth Slomine, Ph.D., ABPP/CN (1995)  
Dissertation: *Hemispheric differences in emotional psychophysiology; a stroke model*  
Internship: Boston Consortium/Harvard University  
Post-doc: Philadelphia Geriatric Center  
Current Position: Professor, Johns Hopkins University, Director of Training & Neuropsychological Rehabilitation Services: Co-Director, Center for Brain Injury Recovery, Kennedy Krieger, Baltimore MD

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: Consultant Clinical Psychologist, York House, Brain Injury Rehabilitation Trust (BIRT), York, England; Clinical Lecturer, University of Hull, England.

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

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

Current Position: Clinical Neuropsychologist, Bradley Hospital, and Clinical Associate Professor, Warren Alpert Medical School, Brown University, Providence, RI

Kimberly Miller, Ph.D., ABPP/CN (2009)

Dissertation: *Psychophysiology, Parkinson's Disease and the Amygdala*

Internship: University of Florida

Post-doc: Martinez VAMC

Current Position: Healthy Mind Sacramento Psychological Services; Clinical Faculty, UC Davis Medical School Department of Neurology; Consulting Neuropsychologist, Shriners Hospitals for Children, Northern California.

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, 2010-2012

Current Position: Clinical Neuropsychologist, Walter Reed National Military Hospital, Bethesda, MD

Utaka Springer, Ph.D. (2010)

Dissertation: *Essential Tremor- Paradoxical Visuospatial Cognition*

Internship: VA Northern California Health Care System

Ph.D.: August 2010

Post-Doc: UC-Berkeley, 2010-2012

Current: Director of Behavioral Health, Native American Health Council, San Francisco

Ania Mikos, Ph.D. (2004-2010)

Dissertation: *Verbal Fluency Declines following DBS: computational modeling*

Internship: Brown University, 2009-2010

Ph.D: August 2010

Post-Doc: Brown University

Current: Research Post-Doc and Lecturer, University of Zurich, Switzerland

Laura Zahodne, Ph.D. (2006-2012)

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

Internship: Brown University, 2011-2012

Ph.D. August 2012

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

Assoc Research Scientist, Columbia (2014-2016); recipient of K99-R00, 2014-2019

Current: Associate Professor, Department of Psychology, University of Michigan (2016-

Daniel Kay, Ph.D. (2010-2013)

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

Current: Associate Professor, Department of Psychology, Brigham Young University (2016-

Jenna Dietz Renfro, Ph.D., ABPP/CN (2008-2014)

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, 2013-2014

Ph.D.: December 2014

Post-Doc: Medical University of South Carolina and VAMC, Charleston (2014-2016)

Current: Private Practice, Pinehurst NC (2020- )

Jacob Jones, M.S., Ph.D. (2010-2016)

Master's: *Health Comorbidities, Cognition, and Parkinson Disease*  
 Dissertation: *White matter disease, hypertension, and cognition in Parkinson disease.*  
 Internship: Brown University, 2015-2016  
 Ph.D. August 2016  
 Post-Doc: UCLA- Semel, Los Angeles 2016-2018  
 Current: Associate Professor, Department of Psychology, University California-San Bernardino, (2018- )

Jacob Lafo, M.S., Ph.D. (2012-2018)  
 Masters:  
 Dissertation: *Emotion Perception and Reactivity in Essential Tremor*  
 Internship: Brown University, 2017-2018  
 Post-Doc: Brown University, 2018-2020  
 Current: Assistant Professor, Dept of Psychiatry and Behavioral Science, Brown University

Paul Mangal, M.S., Ph.D. (2012-2018)  
 Masters: *Electrocortical correlates of emotional memory in Parkinson disease*  
 Internship: Emory University, 2017-2018  
 Post-doc: UC-San Francisco & VA, 2018-2020  
 Current: Foresight Mental Health, San Francisco

Erin Trifilio, M.S., Ph.D. (2014-2020)  
 Masters: *Age Related Differences in Apathy and Anhedonia in Cognitively Normal Older Adults*  
 Dissertation: *Development of the Gainesville Apathy Scale (GAS)*  
 Internship: West Los Angeles Veterans Administration  
 Post-Doc: University of Florida & Malcom Randal Veterans Administration Medical Center  
 Current: Clinical Assistant Professor, University of Florida, Dept Clinical & Health Psychology

Bonnie Scott, M.S., Ph.D. (2014 – 2020)  
 First Year Project: *Semantic priming, emotion, and Parkinson disease: an ERP study*  
 Dissertation: *Motivation in Parkinson's Disease: Parsing the temporal dynamics of anticipatory and consummatory stages of reward processing.*  
 Internship: San Antonio Veterans Administration  
 Post-Doc: University Texas Austin  
 Current: Assistant Professor, UT Austin, Dept Neurology

Francesca Lopez, M.S. (2017-2023)  
 Masters: 2019: *Subjective Cognitive Complaints in Parkinson Disease*  
 Dissertation: *Neurocognitive Correlates of Mitochondrial Dysfunction*  
 Internship: University of California – San Diego 2022-2023  
 Post-Doc: University of California- San Diego VA, 2023-2025

## **CURRENT GRADUATE STUDENTS**

Lauren Kenny, M.S. (2019-2024)  
 Masters: *Empirically Derived Cognitive Subtypes in Parkinson disease: Relationship to MCI classification criteria*  
 Dissertation: *Brain drivers, cognition, and Parkinson's disease: A psychometric approach*  
 Internship:

Adrianna Ratajska, M.S. (2019-2024)  
 Masters: *Cognitive subtypes in individuals with Essential Tremor Seeking Deep Brain Stimulation*  
 Dissertation: *Cognition in Essential Tremor: A neuroimaging and biomarker study*  
 Internship:

Katie Rodriguez, B.S. (2021-2026)  
 Masters: *Psychometric characteristics of the Cognitive Complaints Index in nondemented*



*individuals with movement disorders.*

Dissertation: TBD

Rachel Schade, MSc (2021-2026)

First Year Project: *Apathy, SSRI's and Parkinson Disease*

Dissertation: TBD

Joshua Gertler, M.S., (2022-2025)

Dissertation: TBD

#### **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

Brittany Rohl, 2018-19

Francesca Lopez, 2018-19

Adriana Ratajska, 2019-2020

Lauren Kenny, 2019-2020

Katie Rodriguez, 2021-2023

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

Cathy Williams, Ph.D.

Paul Haerich, Ph.D.

Sigrid Rogers, Ph.D.

Philip Hangar, Ph.D.

Marcia Graham, Ph.D.

Ellen Spence, Ph.D.

Travis White, Ph.D.

Elizabeth Garner, Ph.D.

Mark Eckert, Ph.D.

Joe Sadek, Ph.D.

Sarah Kortenkamp, Ph.D.

Patches Johnson, Ph.D.

Jason Demery, Ph.D.

Michael Larson, Ph.D.

Rebecaa Jump, Ph.D.

Karin McCoy, Ph.D.

Paul Seignourel, Ph.D.

Hope Benefield, Ph.D.

Paul Wright, Ph.D.

Kelly Gamble/Naugle, Ph.D.

Gila Reckess, Ph.D.

Ann Nisenzon, Ph.D.

Sandra Mitchell, Ph.D.

CHP, 1984

Psychology, 1989

CHP, 1986

CHP, 1987

CHP, 1988

CHP, 1992

CHP, 1992

Psychology, 1997

Neuroscience, 1998

CHP, 2000

CHP, 2000

Statistics, 2001

CHP, 2004

CHP

CHP

CHP

CHP

CHP

Neuroscience, 2009

HHP, 2011

CHP, 2011

CHP, 2011

CHP, 2011

Joe Dzerski	CHP, 2012
Jared Tanner, M.S.	CHP, 2013
Callie Dunn, M.S.	CHP, 2015
Kelsey Thomas, M.S.	CHP, 2016
Stacy Maurer, M.S.	CHP, 2015
Chris Sege, M.S.	CHP, 2017
Audrey Harmazy, M.S.	SLA, 2015
Sarah Szymkowic, M.S.	CHP,
Rob Henderson, M.S.	CHP,
Jackie Maye, M.S.	CHP,
Peter Rossi, B.S.	Neuroscience, 2016 (MD/PhD)
Kyoushin Park, M.S.	APK, 2018
Hoykeun Lee, M.S.	APK, 2018
Loren Hize, M.S.	CHP, 2020
Molly McLaren, M.S.	CHP, 2019
Robert Eisenger, B.S.	BME/COM, 2020 (MD/PhD)
Sam Crowley, M.S.	CHP 2020
Stefan Delmas, M.S.	APK, Active
Eliany Prezy, M.S.	CLAS, Active

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

Mary Morris	CHP, 1984
Travis White	CHP, 1989
Philip Hangar	CHP, 1989
Randi Lincoln	CHP, 1990
Carrie McDonald	CHP, 1999
Chris Loftis	CHP, 1999
Lisa Meltzer	CHP, 1999
Karen Bearss	CHP, 1999
Kimberly Justice	CHP, 1999
Stephani Marhefka	CHP, 1999
Stephan Anton	CHP, 1999
Korey Hood	CHP, 2000
Tom Sheod	CHP, 2000
Elizabeth Leritz	CHP, 2000
Rebecca Papas	CHP, 2000
Brendan Rich	CHP, 2000
Shalonder Slater	CHP, 2003
Paul Seignourel	CHP, 2003
Andrew Preston	CHP, 2003
Neha Dixit	CHP, 2003
Adam Hirsch	CHP, 2004
Karen Chung	CHP, 2004
Kelly Obrien	CHP, 2004
Laura Schoenfield	CHP, 2004
Melanie Fernandez	CHP, 2004
Sarah Cook	CHP, 2004
Adrienne Aiken	CHP, 2004
Kristen Marciel	CHP, 2004
Jason Gravano	CHP, 2012
Joshua Kirton	CHP, 2012
Kelsey Thomas	CHP, 2012
Nadia Bhuyian	CHP, 2012
Kristen Sanderson	CHP, 2012
Christopher Sege	CHP, 2012
Carmen Edwards	CHP, 2012
Loren Hize	CHP, 2015
Asken Breton	CHP, 2015
Elizabeth Kizel	CHP, 2015

Molly Sullan  
Kendra Krietsch  
Eliaany Perez

CHP, 2015  
CHP, 2015  
PSY, 2023

### T32 NIA MENTORING COMMITTEES

#### Chair

Utaka Springer  
Laura Zahodne  
Daniel Kay  
Paul Mangal

ChP, 2007-2009  
CHP, 2009-2011  
CHP, 2012-2013  
CHP, 2013-

#### Member

Sarah Cook  
Adrienne Aiken  
Joe Drzerski  
Kelsey Thomas

CHP  
CHP  
CHP  
CHP

### Visiting Foreign Scholars (Masters)

Beata Ferencz\* 2009-2010  
\*(currently Doctoral student at Karolinska Institute)

U. Maastrich/UF Masters

### Visiting Fogarty Fellow

Preeti Sinha, M.D., Associate Professor  
Sagar, Ph.D.,

2016 NIMHANS, Bangalore, India  
2018, NIMHANS, Bangalore, India

### MARC Undergrad Visiting Scholars

K. Schoenfeld Summer 2009

Wake Forest

### UNDERGRADUATE MENTEES & Status

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

Michelle Simmons, Ph.D.	IDS	1997	UF Psych	TLE emotion	Consultant Microsoft
Jeanine Sparks, Ph.D.	Summer NIH	1998	Buffalo SUNY	mood and memory	Asst Prof
Carmen Peden MD/PHD	IDS	2000	UF COM	masked faces in PD	OB-GYN, Gainesville, FL
Jennifer Medina, Ph.D.	Honors/Psy	2000	Northwestern (PhD in Clin Psych)	emotional memory	Faculty & cliician 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	Internal Medicine Faculty, 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	Private Practice Psychologist
Diedre Pachman, MD	IDS	2004	UFCOM	mood and memory	Oncology-Faculty Mayo Rochester
Harvey Montijo, MD	Honors	2005	Duke Medical	nback in PD	Orthopedic Surgery
Tam Gober, MS	RA	2006	U.Washington	emotional semantics	Teacher
Shannon DeMaio, M.S.	RA	2006	Hofstra	face priming	Msmnt Speclist, NYC
Mary Wood, MD	Honors/IDS	2006	UF COM	volumetric reliability	Physician, Neuroradiologist
John McGetrick, MD	UF Honors	2006	U Chicago COM	emotion perception	Physician, Neurology
Alexandra Rosas, MD	UF honors	2006	USF COM	emotiona perception	Physician, Pediatrics
James Norton,BS	UF	2007	Business	Face digitizing-NIH PD	Business
Johns Abraham,BS	UF IDS	2007	FSU COM	Face digitizing-NIH PD	MD, internist
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	Faculty (UCLA)
Joshua Troche,BS	Honors	2009	UF Speech	SOPT in PD	Post-doc Speech
Jennifer Goetz, BS	IDS/Honors	2009	UF COM	Autonoimc and mood in PD	Psychiatry Johns Hopkins
Karen Schoenfield	Summer MARC	2009	Wake Forest	positivity effect	Marc Scholar
David Ramski	RA	2009	Georgetown	Face digitizing	Cardiologist
Heather McKentley,BS	Honors/Valedictorian	2010	BRRC, UF	Memory in PD	Internal Medicine Intern
Mila Borodokaya	Honors/IDS	2010	Northwesten	Sleep PD	Resident
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	Physician Assist
Yereniss Murillo	HP Honors	2014	UF OT School	Emotion Regularion -PD	UF OT grad school
Jessica Helphrey	UF Honors (Psych)	2014	undergrad	NIH examiner	NIH IRTA/ Grad school Neuropsych
Alexandra Ctorsan	UF Undergrad	2015	Undergrad	NIH Examiner	PA school
Salis Phadnis	UF Undergrad	2016	Undergrad	ERP	Post-bac
Erin Van Gorkum	UF Undergrad	2017	Undergrad	NIH Examiner	Grad School
Sneha Sathish	UF Undergrad	2020	Undergrad	NIR	PA School
Rebecca McConnell	UF Undergrad	2020	Undergrad	NIR	FIU Medical School

#### **MENTORED AWARDS: POST-DOC, GRADUATE, AND MEDICAL STUDENTS**

# Awardees	Type Award	Recipient (s)
1	NIH Post-doctoral NRSA (F32-AG021363);	C. Price, Ph.D.
2	NIH Post-doctoral Minority Supplement;	M. Lopez, Ph.D, Stacey Alvarez, Ph.D.
4	NIH Predoctoral F31 NRSA's (NIMH, NINDS, & NIA)	Greg Selk, Kim Miller L. Kirsch Darrow, J. Dietz, F. Lopez, A Ratajska, L. Kenney
4	T32 predoctoral Trainee in Cognitive Aging NIA T32-AG020499, Marsiske PI	U. Springer, L. Zahodne, P Mangal , D. Kay, E. Trifilio

1	TL1 CTSI Training Grant	Bonnie Scott (2017-2019)
1	T32 Training Fellows in Movement Disorder NINDS T32-NS Bower/Vaillancourt	J. Lafo. F. Lopez
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
1	Best Student Research Submission, Runner Up, Award; The Clinical Neuropsychologist, Best Student Submission (June 2016)	Jacob Lafo
1	Best Student Research Submission, Runner Up, Award; The Clinical Neuropsychologist, Best Student Submission (June 2018)	Erin Trifilio
1	Best Student Research Submission, First Place Award; The Clinical Neuropsychologist, Best Student Submission (June 2021)	David Marra
1	Best Student Research Submission, Runner up Award; The Clinical Neuropsychologist, Best Student Submission (June 2021)	Adrianna Ratajska
4	APA (Division 20/40) Walter McMillen Memorial Award in Parkinson Disease Research	A. Mikos, L. Zahodne, J. Dietz, B. Scott, Francesca Lopez
1	APA Research Highlights ANST	B. Rohl
2	American Neuropsychiatric Association Young Investigator Award	L. Kirsch-Darrow (2011), L. Zahodne
3	"Scientific Highlight" award, American Academy of Neurology for poster-paper presentations	I. Kellison, Kirsch-Darrow, L. Zahodne
4	Scholarship, Advanced Psychometrics Methods Workshop in Cognitive Aging, U. Washington, Friday Harbor Laboratories,	U. Springer, L. Kirsch Darrow L. Zahodne, J. Jones, F. Lopez
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. Lauren Kenney Adrianna Ratajska,
2	APA Dissertation Research Awards	M. Rogish, B. Slomine
2	Bryan Robinson Endowment for Neuroscience Research award	B. Slomine, L. Zahodne

1	Kosciuszko Foundation Tuition Scholarship	A. Mikos
1	Master's thesis featured by APA monitor on Science	L. Kirsch-Darrow
6	Robert & Phylis Levitt Neuropsychology Research Award	L.Kirsch-Darrow, U. Springer A. Mikos, L. Zahodne, J. Dietz, J. Jones
5	Clinical & Health Psychology Research Excellence Award	L. Kirsch-Darrow, A Mikos U. Springer, L. Zahodne, J. Dietz
13	UF Graduate Student Council, Travel Awards	Rogish, Slomine, Selke, Kellison Pedraza, Mikos, Miller, Springer Kirsch-Darrow, Dietz, Jones Nisenzon, Jordan, Lafo, Mangal, Jones
1	APA (Division 41) American Psychology-Law Society, Grants in Aid	O. Pedraza
1	Officer (secretary), Association for for Neuropsychology Students in Training, APA (Division 40),	O.. Pedraza
1	Student member, Cultural and Diversity Task Force, National Academy of Neuropsychology	O. Pedraza
7	Public Health and Health Professions Research Poster Awards	J. Dietz, U. Springer, L., A. Mikos Zahodne, L. Kirsch- Darrpw, Jones, Dietz
1	Florida Society of Neurology Travel Fellowship Award	A. Mikos
1	Judson A. Clements Jr. Memorial Scholarship for Professional Development and Community Service	L. Zahodne
1	Best Fall Symposium presentation	L. Zahodne (2006)
5	Medical student Summer Research Awards	J. Goetz, J. Pavon, J. Young J. Graf-Radford, A. Smith

### Undergraduate Awardees

1	1 <sup>st</sup> place national winner of Psi Chi/J.P Guilford Undergraduate Research Award for best research paper research paper,	J. Medina
1	2 <sup>nd</sup> place national winner of Psi Chi/Alyn Bacon Undergraduate Research Award-r best overall empirical study,	K. Delisle
5	University Scholars Research Awards	Desai, Bosch, Montijo, Fogel Goetz
9	Honors in Psychology	Medina, Chaskes, Hamby, Troche Kuhn, Goetz, Desai, Glantz,

		Ardamon,
15	Honors in IDS (Interdisciplinary Studies in Neurobiology )	Ardaman, Bell, Socarres, Stearns, White, Smith, Grey, Glantz, Peden, Wood, Goetz, Bosch, Bogoroski, Hyman
5	Honors in Health	Fogel, Montijo, Hunter , Diemunsch
1	Howard Hughes Summer Research award	Braun

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

<b><i>Neuropsych Post-Docs</i></b>	<b><i>Years</i></b>	<b><i>Current Status</i></b>
Taylor McMillan, Ph.D.	2023-2025	Current, Clinical
Abigail Waters, Ph.D.	2022-2024	Current, Clinical & Research
Kelly Halverson, Ph.D.	2022-2024	Current, Clinical
Jeremy Grant, Ph.D.	2022-2024	Current, Clinical & Research
Hilary Abel, Ph.D.	2021-2023	Staff, Private Medical Group, Melbourne, FL
Erin Trifilio, Ph.D.	2020-2022	Faculty, University of Florida
Nicole Norheim, Ph.D.	2020-2022	Clinical-Hospital Practice, North Dakota
Eliana Pasternak, Ph.D.	2019-2021	Faculty, Harvard Partners, Boston
Tatiana Vallejo-Luces	1029-2021	Orlando, FL
David Marra, Ph.D.	2019-2021	Staff/Faculty, Boston VAMC
Jenna Belser-Erhlich	2017-2019	Chief of Staff, Clinical Trials Division, NINDS
Heshan Fernandez, Ph.D.	2017-19	Faculty/Staff Neuropsychologist,
Dahomey Abanishe, Ph.D.	2017-2019	Faculty, UF CHP-Rehabilitation
Shelley Anne Levy, Ph.D.	2016-2017	Clinical Asst. Professor, Dept Clinical & Health Psychology, UF
Seema Pandya, Ph.D.	2015-2017	Neuropsychologist, Dallas Tx
London Butterfield, Ph.D.	2014-2016	Neuropsychologist, Baycare Medical Group St. Anthony's Hospital, St. Petersburg, FL
Tiffany Cummings, Psy.D., ABPP/CN	2013-2015	Clinical Asst. Professor, Dept. Neurology, Wake Forest College of Medicine, NC (deceased 3/2023)



Danielle Wald, Psy.D.	2013-2015	Clinical Asst. Professor, WSU, and Private Practice, Spokane, WA
Caleb Peck, Psy.D. ABPP/CN	2011 -2013	Asst. Professor Psychiatry, U. Connecticut, Institute of Living, Hartford Hospital, Hartford, CT
Michelle Prosje, Psy.D.	2009-2011	President/Owner, Neurobehavioral Specialist of Jacksonville, FL (Clinical Neuropsychology)
Michelle Keiski, Ph.D.	2007-2009	Queens University Neurology, Kingston Canada
Christian Dow, Ph.D.	2007-2009	Clinical Neuropsychologist, Gainesville VAMC
Laura Howe, Ph.D., J.D.	2005-2007	Neuropsychologist, Palo Alto, VAMC
Ashton Anderson, Psy.D.	2005-2007	Private practice, Adjunct UNC-Wilmington
Barry Skoblar, Psy.D.	2005-2007	Private practice, Adjunct UNC-Wilmington
Mabel Lopez, Ph.D.	2005-2006	Clinical Neuropsychologist, Owner & President Mind & Brain Care, Ft. Myers,
Miles Rogish, Ph.D.	2002-2003	Consultant Clinical Psychologist, York House, Brain Injury Rehabilitation Trust (BIRT), York, England; Clinical Lecturer, U. Hull

10/11/2023