

Joseph M. Gullett, Ph.D.

Research Assistant Professor
 Center for Cognitive Aging & Memory
 Department of Clinical & Health Psychology
 University of Florida

gullettj@php.ufl.edu
 Office: (352) 294-8631
 Cell: (386) 682-1262
 PO Box 100165
 Gainesville, FL 32610

Education

University of Florida – Gainesville, FL	Ph.D.	2017	Clinical Psychology, Neuropsychology <i>Dissertation title: “White Matter and Disturbed Sleep in Veterans With Posttraumatic Stress Disorder and Traumatic Brain Injury.”</i>
University of Florida – Gainesville, FL	M.S.	2013	Psychology <i>Thesis title: “The Relationship between Pre-Deployment Intelligence and PTSD in Veterans with Mild Traumatic Brain Injury.”</i>
University of Florida – Gainesville, FL	B.S.	2008	Psychology (<i>Cum Laude</i>)

Positions

<u>Position</u>	<u>Year</u>	<u>Location</u>	<u>Supervisor(s)</u>
Research Assistant Professor	2019-	University of Florida Center for Cognitive Aging & Memory	Glenn Smith, Ph.D., ABPP-CN
T-32 Postdoctoral Fellow	2018-2019	University of Florida Center for Cognitive Aging & Memory	Ronald A. Cohen, Ph.D., ABPP-CN Robert Cook, M.D.
Post-doctoral Clinical-Research Associate	2017-2018	University of Florida Center for Cognitive Aging & Memory	Ronald A. Cohen, Ph.D., ABPP-CN Adam Woods, Ph.D.
Geropsychology Intern	2016-2017	West Los Angeles VA Medical Center	Charles Hinkin, Ph.D., ABPP-CN Rebecca Melrose, Ph.D.
Graduate Assistant	2014-2016	University of Florida Department of Psychiatry	Benjamin R. Phalin, Ph.D. Russell M. Bauer, Ph.D., ABPP-CN
Sub-Investigator & Graduate Assistant	2009-2014	Gainesville VAMC University of Florida	David B. FitzGerald, MD Russell M. Bauer, Ph.D., ABPP-CN
Psychometrician	2008-2010	University of Florida Psychology Clinic	Dawn Bowers, Ph.D., ABPP-CN, Duane Dede, Ph.D., Russell M. Bauer, Ph.D., ABPP-CN, Catherine Price, Ph.D., ABPP-CN
Research Assistant	2008-2009	University of Florida Psychology & Comm. Disorders	Jaime J. Reilly, Ph.D.
Lab & Research Asst.	2007-2008	University of Florida	Michael Marsiske, Ph.D.

Research Experience

<u>Research Assistant Professor</u> 2019-current	<u>Center for Cognitive Aging & Memory</u> University of Florida, Department of Clinical & Health Psychology
<u>T-32 Postdoctoral Research Fellow</u>	<u>Center for Cognitive Aging & Memory</u>

2018-2019	University of Florida, Department of Clinical & Health Psychology PI(s): Ronald A. Cohen, Ph.D., ABPP, Robert L. Cook, M.D.
<u>Postdoctoral Clinical-Research Fellow</u> 2017-2018	<u>Center for Cognitive Aging & Memory</u> University of Florida, Department of Clinical & Health Psychology PI(s): Ronald A. Cohen, Ph.D., ABPP; Adam Woods, Ph.D.
<u>Graduate Assistant</u> 2014-2016	<u>Brain Rehabilitation Research Center</u> Gainesville Veterans Administration Medical Center PI(s): David B. FitzGerald, M.D. & Thomas H. Mareci, D.Phil.
<u>Research Studies Coordinator & Graduate Assistant</u> 2009-2014	<u>Brain Rehabilitation Research Center</u> Gainesville Veterans Administration Medical Center PI(s): David B. FitzGerald, M.D. & Bruce Crosson, Ph.D.
<u>Research Assistant</u> 2008-2009	<u>Cognitive Aging Laboratory</u> University of Florida Department of Psychology and Communicative Disorders PI: Jamie J. Reilly, Ph.D.
<u>Lab & Research Assistant</u> 2007-2008	<u>Active Adult Mentoring Program (AAMP)</u> University of Florida, Department of Clinical & Health Psychology PI(s): Peter A. Giacobbi Jr., Ph.D., Michael Marsiske, Ph.D., Christina McCrae, Ph.D., Beverly Roberts, RN, Ph.D.

Funding

ACTIVE

1 Florida Alzheimer's Disease Research Center Pilot Award Sept 2019- Sept 2020 Role: PI; AG047266	<i>"Machine Learning Diagnostic Prediction using Multi-modal Neuroimaging, LASSI-L performance, and Disease Progression Information."</i>
5 U01-AA020797-09 (PI: Cook) Sept 2019-Sept 2010 Role: Co-Investigator	<i>"Effects of Experimentally-Induced Reductions in Alcohol Consumption on Brain Cognitive, and Clinical Outcomes and Motivation for Changing Drinking in Older Persons with HIV Infection"</i>

COMPLETED

NIAAA T32-AA25877 (PI: Cook) Sept 2018-Aug 2019 Role: Postdoctoral Fellow	<i>"Translational Science Training to Reduce the Impact of Alcohol on HIV Infection"</i>
--	--

Peer-Reviewed Publications

2019

- Gullett, J. M.**, Cohen, R. A., Yang, G. S., Menzies, V. S., Fieo, R. A., Kelly, D. L., ... Lyon, D. E. (2019). Relationship of fatigue with cognitive performance in women with early-stage breast cancer over 2 years. *Psycho-Oncology*. <https://doi.org/10.1002/pon.5028>
- Kuhn, T., Jin, Y., Huang, C., Kim, Y., Nir, T. M., **Gullett, J. M.**, ... Thames, A. D. (2019). The joint effect of aging and HIV infection on microstructure of white matter bundles. *Human Brain Mapping*. <https://doi.org/10.1002/hbm.24708>
- Cohen, R. A., **Gullett, J. M.**, Porges, E. C., Woods, A. J., Lamb, D. G., Bryant, V. E., ... Monti, P. M. (2019). Heavy Alcohol Use and Age Effects on HIV-Associated Neurocognitive Function. *Alcoholism: Clinical and Experimental Research*. <https://doi.org/10.1111/acer.13915>

Cohen, R. A., **Gullett, J. M.**, Woods, A. J., Porges, E. C., Starkweather, A., Jackson-Cook, C. K., ... Lyon, D. E. (2019). Cytokine-associated fatigue prior to, during, and post-chemotherapy for breast cancer. *Journal of Neuroimmunology*. <https://doi.org/10.1016/j.jneuroim.2019.577001>

Fernando, H. J., Cohen, R. A., **Gullett, J. M.**, Friedman, J., Ayzengart, A., Porges, E., ... Donahoo, W. T. (2019). Neurocognitive Deficits in a Cohort With Class 2 and Class 3 Obesity: Contributions of Type 2 Diabetes and Other Comorbidities. *Obesity*. <https://doi.org/10.1002/oby.22508>

2018

Gullett, J. M., Lamb, D. G., Porges, E., Woods, A. J., Rieke, J., Thompson, P., ... Cohen, R. A. (2018). The Impact of Alcohol Use on Frontal White Matter in HIV. *Alcoholism: Clinical and Experimental Research*. <https://doi.org/10.1111/acer.13823>

Cohen, R. A., Siegel, S., **Gullett, J. M.**, Porges, E., Woods, A. J., Huang, H., ... Ding, M. Z. (2018). Neural response to working memory demand predicts neurocognitive deficits in HIV. *Journal of NeuroVirology*. <https://doi.org/10.1007/s13365-017-0607-z>

Kuhn, T., **Gullett, J. M.**, Boutzoukas, A. E., Bohsali, A., Mareci, T. H., FitzGerald, D. B., ... Bauer, R. M. (2018). Temporal lobe epilepsy affects spatial organization of entorhinal cortex connectivity. *Epilepsy and Behavior*. <https://doi.org/10.1016/j.yebeh.2018.06.038>

2017 (clinical internship year)

2016

Kuhn, T., **Gullett, J. M.**, Nguyen, P., Boutzoukas, A. E., Ford, A., Colon-Perez, L. M., ... Bauer, R. M. (2016). Test-retest reliability of high angular resolution diffusion imaging acquisition within medial temporal lobe connections assessed via tract based spatial statistics, probabilistic tractography and a novel graph theory metric. *Brain Imaging and Behavior*. <https://doi.org/10.1007/s11682-015-9425-1>

2015

Sullan, M. J., Bohsali, A. A., **Gullett, J. M.**, Goldstein, J., Bauer, R. M., Mareci, T. H., & Fitzgerald, D. B. (2015). The Relationship Between Locus Coeruleus Volume and Measures of Sleep and Attentional Control in Veterans with Mild TBI. *The Clinical Neuropsychologist*, 29(3), 324-324

Bohsali, A. A., Triplett, W., Sudhyadhom, A., **Gullett, J. M.**, McGregor, K., FitzGerald, D. B., ... Crosson, B. (2015). Broca's area - Thalamic connectivity. *Brain and Language*. <https://doi.org/10.1016/j.bandl.2014.12.001>

2014

Sullan, M., Bohsali, A., **Gullett, J.**, Goldstein, J., Bauer, R., Mareci, T., and FitzGerald, D. (2014). The Locus Coeruleus and Sleep-Wake Disturbances in Veterans with mTBI. *J Sleep Med Disord*, 1(1): 1004.

2013

Gullett, J. M., Price, C. C., Nguyen, P., Okun, M. S., Bauer, R. M., & Bowers, D. (2013). Reliability of three benton judgment of line orientation short forms in idiopathic parkinsons disease. *Clinical Neuropsychologist*. <https://doi.org/10.1080/13854046.2013.827744>

Ford, A. A., Triplett, W., Sudhyadhom, A., **Gullett, J.**, McGregor, K., FitzGerald, D. B., ... Crosson, B. (2013). Broca's area and its striatal and thalamic connections: A diffusion-MRI tractography study. *Frontiers in Neuroanatomy*. <https://doi.org/10.3389/fnana.2013.00008>

Ford, A., Colon-Perez, L., Triplett, W. T., **Gullett, J. M.**, Mareci, T. H., & FitzGerald, D. B. (2013). Imaging white matter in human brainstem. *Frontiers in Human Neuroscience*. <https://doi.org/10.3389/fnhum.2013.00400>

2011

FitzGerald, D. B., **Gullett, J. M.**, Levy, C. E., & Crosson, B. A. (2011). Delayed Diagnosis of Intracerebral Foreign Body From the Vietnam War. *Military Medicine*. <https://doi.org/10.7205/milmed-d-10-00323>

Book Chapters

2019

- Cohen, R. A., **Gullett, J.M.**, Porges, E. (2019 est.). Neuroimaging of the aging brain In K.M. Heilman & Stephen Nadeau (Eds.), *Cognitive changes and the Aging Brain*. Cambridge University Press, Cambridge, UK. *In Press*
- **Gullett, J.M.** (2020 est.). Neuroinflammation: In Adam J. Woods (Ed.), *Encyclopedia of Gerontology and Population Aging*. Springer Nature, New Delhi, India. *In Press*
- Cohen, R.A. & **Gullett, J.M.** (2020 est.). Neuroimaging: In Adam J. Woods (Ed.), *Encyclopedia of Gerontology and Population Aging*. Springer Nature, New Delhi, India. *In Press*

(also see <http://orcid.org/0000-0002-8184-7187>)

Selected Presentations

- **J.M. Gullett**, R.A. Fieo, R. Cohen, J.G. Devieux, B. Brumback, Z. Zhou, A.J. Fiore, E. Porges, R. Cook. Effects Of Experimentally-Induced Reductions In Alcohol Consumption on Cognition, & Motivation For Changing Drinking In Older Adults with HIV Infection. *Research Society on Alcoholism* Poster Reception, June 2019, Minneapolis, MN.
- D.D. Shortell, **J.M. Gullett**, V. Govind, E.S. Porges, R.L. Cook. Neuroanatomical Effects of 30-Day Abstinence From Heavy Alcohol Use. *Research Society on Alcoholism* Poster Reception, June 2019, Minneapolis, MN.
- **Joseph M. Gullett**. Data Update on McKnight Brain Aging Registry: Brain Volume and Cognition in the Oldest-Old. *A presentation to ~175 researchers and trustees for the 2019 McKnight Brain Aging Registry Annual Meeting*
- **JM Gullett**, PK Bharadwaj, AJ Woods, GE Alexander, RA Cohen. "Cognition and Brain Volume in Successful Late Life." Poster presented at the Second Annual McKnight Brain Research Foundation Society for Neuroscience Poster Reception. November 4th, 2018. San Diego, California.
- **Gullett, J.M.**, Veliz, J., Riskin-Jones, H., Weissberger, G., Sultzer, D., & Melrose, R. "White Matter Disease in Amnesic Mild Cognitive Impairment: Contributions to White Matter Integrity." Poster presentation at the International Neuropsychological Society's 2018 meeting in Washington D.C. February 2018
- **J.M. Gullett, M. Sullan**, R.M. Bauer, & D. FitzGerald. Increased Delta Wave Sleep Associated with Central Apnea Events in Mild Traumatic Brain Injury. Poster presentation at the International Neuropsychological Society's 2016 meeting in Boston, MA. February 2016.
- **Gullett, Joseph M.**, Bohsali, Anastasia, Bauer, Russell M., & FitzGerald, David, B. The Gating Role of the Anterior Cingulate Cortex in PTSD Re-Experiencing. Poster presentation at the Malcom Randall VAMC's Annual Research Day, 2015. With personal presentation to the director of NFSG Veterans Affairs, Thomas Wisnieski.
- **Gullett, Joseph M.**, Bohsali, Anastasia, Bauer, Russell M., & FitzGerald, David B. The Gating Role of the Anterior Cingulate Cortex in PTSD Re-Experiencing. Poster presentation at the International Neuropsychological Society's 2014 meeting in Denver, Co. February 2015.
- T. Kuhn, A. Boutzoukas, **J. M. Gullett**, A. Ford, P. C. Carney, D. B. FitzGerald, R. M. Bauer. (2015). Altered White Matter Connectivity in Adjacent Medial Temporal Circuits in Temporal Lobe Epilepsy. Forty-third Annual International Neuropsychological Society Conference, Denver, Colorado
- **Gullett, Joseph M.**, Ford, Anastasia, FitzGerald, David B., Bauer, Russell M. Structural Connectivity of the Hippocampus in mild TBI and PTSD. Poster presentation at the American Academy of Clinical Neuropsychology (AACN) Annual Meeting. New York, New York, June 2014.
- T. Kuhn, A. Boutzoukas, **J. M. Gullett**, A. Ford, P. C. Carney, D. B. FitzGerald, R. M. Bauer. (2014). Altered White Matter Connectivity in Adjacent Medial Temporal Circuits in Temporal Lobe Epilepsy. Twelfth Annual American Academy of Neuropsychology Conference, New York, New York.
- **Gullett, Joseph M.**, Ford, Anastasia, FitzGerald, David B., Bauer, Russell M. Structural Connectivity of the Hippocampus in mild TBI and PTSD. Poster presentation at PPHP Research Day. Gainesville, FL, March 2014.
- T. Kuhn, A. Boutzoukas, **J. M. Gullett**, A. Ford, D. B. FitzGerald, P.C. Carney, R. M. Bauer. (2014, February). Temporal Lobe Memory Circuits: White Matter Integrity and Memory Performance in Temporal Lobe Epilepsy. Forty-Second Annual Meeting of the International Neuropsychological Society, Seattle, Washington.

- **Gullett, Joseph M.**, FitzGerald, David B., Bauer, Russell M. Predictors of Pre-deployment Intellectual Ability in OEF/OIF Veterans with Mild Traumatic Brain Injury and Post-Traumatic Stress Disorder. Poster presentation at The International Neuropsychological Society's 2013 meeting in Waikaloa, HI. February, 2013.
- T. Kuhn, **J. Gullett**, D. Fitzgerald, R. Bauer. Self-Report Measures of Psychological Distress as Predictors of Cognitive Performance in Mild Traumatic Brain Injury (2013, February). Forty-First Annual Meeting of the International Neuropsychological Society, Waikoloa, Hawaii.
- **Gullett, Joseph M.**, FitzGerald, David B., Bauer, Russell M. Predictors of Pre-deployment Intellectual Ability in OEF/OIF Veterans with Mild Traumatic Brain Injury and Post-Traumatic Stress Disorder. Poster presentation at PHHP Research Day 2013.
- **Gullett, Joseph M.**, Bauer, Russell M., & FitzGerald, David B. Pre-deployment Predictors of PTSD in OEF/OIF Veterans with Mild Traumatic Brain Injury. Poster presentation at the North Florida South Georgia Veterans Health System Research Day. Gainesville, FL. May 16, 2012.
- **Gullett, Joseph M.**, Price, Catherine C., Nguyen, P., Okun, M., Bauer, Russell M., and Bowers, D. Reliability of a Benton JOLO Short Form in Parkinson's Disease. Poster presentation at The International Neuropsychological Society's 2011 meeting in Boston, MA. February, 2011.

Works Submitted/In Progress

- **Joseph M. Gullett**, Andrew O'Shea, Ronald Cohen, Eric Porges, Damon G. Lamb, Deirdre M. O'Shea, Ofer Pasternak, & Adam J. Woods. The Association of Cerebral Free Water with Age and Cognition. *Neuroimage*. UNDER REVISION.
- **Gullett, J.M.**, Chen, Z., Bian, J., Foster, T., and Cohen, R.A. "Machine learning prediction of cognitive function using older adults' micro RNA", IN PROGRESS.
- **Gullett, J.M.**, Bauer, Russell, M., & FitzGerald, David B. Pre-deployment predictors of PTSD in OEF/OIF Veterans with Mild Traumatic Brain Injury. *Stress*. UNDER REVISION.
- **Gullett, J.M.**, Bohsali, A.A., Amin, M., Sullan, M., Bauer, Russell, M., & FitzGerald, David B. In-vivo locus coeruleus white matter connectivity; associations with polysomnography and traumatic brain injury. *Sleep*. UNDER REVISION

Clinical Experience

October 2019

- Pre-Post Deep Brain Stimulation (DBS) Surgery Neuropsychological Assessment Clinic

August 2019

- Licensed Clinical Psychologist (PY10534)

July 2018-July 2019

- University of Florida Psychology Clinic, Gainesville, FL
 - *Quarter 1:* Adult Neuropsychology – Russell M. Bauer, Ph.D., ABPP-CN; 80 hours per month
 - *Quarter 2:* Florida One Alzheimer's Disease Research Center (ADRC) – Dawn Bowers, Ph.D., ABPP-CN; 80 hours per month
 - *Quarter 3:* MCI Clinic – Glenn Smith, Ph.D., ABPP-CN; 80 hours per month
 - *Quarter 4:* General Neuropsychology Clinic – Duane Dede, Ph.D.; 80 hours per month

Sept 2017- July 2018

- University of Florida Psychology Clinic, Gainesville, FL
 - *Quarters 1-4:* Perioperative Cognitive and Anesthesia Network (PeCAN) - Catherine Price, Ph.D., ABPP-CN; 40 hours per month
 - *Quarters 1-4:* Stroke Neuropsychology - John Williamson, Ph.D; 40 hours per month

2016-2017

- West Los Angeles VA Medical Center; Los Angeles, CA
 - Rehabilitation Psychology – Michelle Zeller, Psy.D
 - Geriatric Medicine Inpatient Neuropsychology – Rebecca Melrose, Ph.D.
 - Geriatric Psychiatry – Sheryl Osato, Ph.D., Paul Cernin, Ph.D.

- Neuropsychology – Charles Hinkin, Ph.D., ABPP-CN

2014-2016

- Florida Recovery Center, University of Florida Department of Psychiatry, Gainesville, FL
 - Neuropsychology Service - Benjamin R. Phalin, Ph.D.; Scott Teitelbaum, M.D. (Director)

2011-2016

- University of Florida Psychology Clinic, Gainesville, FL
 - Advanced Practicum in Neuropsychology - Vonetta Dotson, Ph.D.
 - Advanced Practicum in Neuropsychology – Catherine Price, Ph.D., ABPP-CN
 - TBI+PTSD Practicum (Malcom Randall VAMC) – Heather Tree, Ph.D.; Christian Dow, Ph.D.
 - Child Neuropsychology – Brenda Wiens, Ph.D.
 - Home-based Primary Care (Malcom Randall VAMC) – Kimberly Shaw, Ph.D.
 - Adult Neuropsychology – Dawn Bowers, Ph.D., ABPP-CN
 - Inpatient Neurotrauma & Spinal Cord Injury - Robert Guenther, Ph.D., ABPP
 - Health Psychology - Glenn Ashkanazi, Ph.D.; Lori Waxenberg, Ph.D., ABPP; Patricia Durning, Ph.D.
 - General Psychology - Ronald Rozensky, Ph.D., ABPP; William Perlstein, Ph.D.

2008-2011

- University of Florida Psychology Clinic, Gainesville, FL
 - Over 1,000 hours of one-on-one neuropsychological assessment provided as psychometrist

Teaching/Training Experience

February 2019	<u>Invited Guest Lecturer – Methods in Cognitive Neuroscience (PSB4934)</u> Presented a 1.5hr lecture to undergraduate students entitled, “Introduction to Diffusion Tensor Imaging in Research”
November 2018	<u>Invited Guest Lecturer – Frontal White Matter effects of HIV and Alcohol (HSC 4593/6595)</u> Presented a 1.0 hour lecture to graduate and undergraduate students investigating the findings of a recent first-author publication with the above title.
February 2018	<u>Invited Guest Lecturer – Methods in Cognitive Neuroscience (PSB4934, section 19F6)</u> Presented a 1.5hr lecture to undergraduate students entitled, “Introduction to Diffusion Tensor Imaging in Research”
October 2017	Provided in-depth neuropsychological training to M.S. and Ph.D. level researchers in preparation for the start of the upcoming U-01 grant “The 30-to-90 Day Challenge” under Dr. Robert Cook (PI) with the Southeastern HIV Alcohol Research Center (SHARC). University of Miami, Miami, FL - 10/12/2017 and 10/13/2017.
Fall 2014	<u>Invited Guest Lecturer - Introduction to Clinical Psychology (CLP4302, section 0118).</u> Presented a lecture entitled, “Posttraumatic Stress Disorder diagnosis, treatment, and current neurobiological research.”
Fall 2013	Provided an in-depth, multi-day training on the use of Tract-Based Spatial Statistics (TBSS) for research to six graduate assistants

Summer 2012 Invited Guest Lecturer- Neurocognitive Seminar (SPA6581). Presented a lecture entitled, "The effects of blast injury on the brain: physics, neuropsychological changes, and the measurement of damage." to Speech and Language Pathology Master's Students

Leadership Positions, Professional Affiliations, and Voluntary Service

April 2019 Ad-hoc Reviewer – Human Brain Mapping
 December 2018 Ad-hoc Reviewer – Neuropsychology Reviews
 January 2017 Ad-hoc Reviewer – The Clinical Neuropsychologist

2019-
 2012-2016 Member, The International Neuropsychological Society (INS)
Student Representative, Graduate Assistants United (GAU), University of Florida

2012-2017 Student Affiliate, American Psychological Association (APA) Division 40. Clinical Neuropsychology. Membership ID Number: 32972392

2012-2015 Craniofacial Camp Head Counselor/Student Volunteer Counselor
 Supervisor: Virginia Wood, M.A., CC-SLP, UF Speech Language Pathology

Technical Knowledge in Research

- UNIX/Linux scripting for large-scale neuroimaging processing
- FSL toolbox
- Freesurfer toolbox
 - Freesurfer
 - TRACULA
- Matlab and Conn for functional imaging analysis
- Trackvis for diffusion imaging visualization
- AFNI
- ImageJ
- ITKsnap
- SPSS statistical software