

CURRICULUM VITAE

**Stephen Correia, Ph.D., ABPP-CN**

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EDUCATION

Undergraduate

Manhattanville College  
September 1978 – December 1979 (transferred)

University of Rhode Island  
Psychology, Bachelor of Arts  
January 1980 - May 1982  
Summa cum laude

Graduate

University of Rhode Island  
Clinical Psychology, Master of Arts,  
September 1994 - May 1998

University of Rhode Island  
Clinical Psychology, Doctor of Philosophy  
May 1998 - May 2001

PRE- AND POST-DOCTORAL TRAINING

Pre-Doctoral Internship  
(APA Accredited)

Malcolm Randall Veterans Affairs Medical Center,  
Gainesville, FL  
Neuropsychology/Geropsychology Internship  
September 1999 – August 2000

Post-Doctoral Fellowship  
(Clinical/Research)  
(APA Accredited)

Neuropsychology Fellow  
Department of Psychiatry and Human Behavior  
Brown Medical School (Butler Hospital)  
September 2000 – August 2002

Post-Doctoral Fellowship  
(Research)  
(APA Accredited)

Dementia Research Fellow  
(T32, National Institute on Aging)  
Department of Psychiatry and Human Behavior  
Brown Medical School  
Providence, RI  
September 2003-August 2005

POSTGRADUATE HONORS AND AWARDS

July 2002

Travel Fellowship: 8<sup>th</sup> International Conf on Alzheimer's  
Disease and Related Disorders, Stockholm, Sweden

June 2003

National Institute on Aging Summer Research Institute,  
Airlie, VA

Correia, S

July 2003 National Institute of Mental Health/University of California  
San Diego Summer Research Institute, Los Angeles, CA

August 2003 Travel Fellowship: The First Congress of the International  
Society for Vascular Behavioural and Cognitive Disorders  
(VAS-COG), Göteborg, Sweden

July 2004 Travel Fellowship: 9<sup>th</sup> International Conference on  
Alzheimer's Disease and Related Disorders, Philadelphia.

June 2005 Travel Fellowship: 2nd Congress of the International Society  
for Vascular Behavioural and Cognitive Disorders (VAS-  
COG). Florence, Italy.

June 2005 Student Representative to the Scientific Committee,  
International Society for Vascular Behavioural and  
Cognitive Disorders.

July 2006 Travel Fellowship, 10th International Conference on  
Alzheimer's Disease – Imaging Consortium, Madrid, Spain,

July 2006 Poster Award: "Diffusion-tensor imaging tractography:  
Correlation with processing speed in aging." 10th  
International Conference on Alzheimer's Disease – Imaging  
Consortium, Poster 83. Madrid, Spain

June 2009 Outstanding Teaching Award, Psychology 2008-2009  
Department of Psychiatry & Human Behavior  
Alpert Medical School, Brown University

June 2017 The Toy Caldwell-Colbert Excellence in Teaching Award  
(Psychology)  
Department of Psychiatry & Human Behavior  
Alpert Medical School, Brown University

MILITARY SERVICE

None

PROFESSIONAL LICENSES AND BOARD CERTIFICATION

Rhode Island  
Psychology, PS00796  
Awarded 12 December 2002

BOARD CERTIFICATION

American Board of Professional Psychology  
Specialization in Clinical Neuropsychology  
December 2016

Correia, S

ACADEMIC APPOINTMENTS

University of Georgia  
Associate Professor  
Department of Health Promotion and Behavior  
School of Public Health  
August 2022 – present

Associate Professor of Psychiatry & Human Behavior  
Teaching Scholar Track  
Alpert Medical School, Brown University  
May 2017 – April 2022

Assistant Professor of Psychiatry & Human Behavior  
Alpert Medical School, Brown University  
September 2005 – May 2017

Graduate Faculty (Adjunct)

Department of Psychology  
University of Rhode Island  
April 2010 – June 2015

HOSPITAL APPOINTMENTS

Butler Hospital, Providence, Rhode Island  
Clinical/Research Psychologist  
September 2002 – August 2003  
Full-time., 40 hours per week

Providence Veterans Affairs Medical Center  
September 2005 – September 2019  
Full-time., 40 hours per week

Neuropsychologist  
Neuropsychology Section Leader (Supervisor)  
Mental Health and Behavioral Science Service

Polytrauma/Traumatic Brain Injury Team  
Co-Leader  
September 2007 – September 2019

Pre-Employment Psychological Examiner for VA Police  
Employee Health Service  
June 2012 – September 2009

Representative to APA for Continuing Education  
Mental Health and Behavioral Science Service  
September 2016 – September 2019

Butler Hospital, Providence, Rhode Island  
September 2019 – April 2022  
Full-time, 40 hours per week  
Director of Research, Memory & Aging Program  
Director of Psychology (hospital-wide)

OTHER APPOINTMENTS

REVIEWING

Alzheimer's Association (grant reviewer, 5-year assignment 2012-2017)  
Human Brain Mapping 2016 – present (ad hoc)

Correia, S

International Journal of Geriatric Psychiatry 2003-2005 (ad hoc)  
Journal of Psychiatry and Neuroscience – 2016 – present (ad hoc)  
NeuroImage (ad hoc)  
Journal of Clinical Neurosciences (ad hoc)  
Neurobiology of Aging (ad hoc)  
Archives of Neuropsychology (ad hoc)  
Clinical Neuropsychiatry 2006 – present (ad hoc)  
Wellcome Trust (ad hoc)  
Psychiatry Neuroimage (ad hoc)  
PLOS One, 2016 – present (ad hoc)  
Training & Education in Professional Psychology (2018 – present)  
The Clinical Neuropsychologist (2019 - present)  
Neuropsychology

HOSPITAL COMMITTEES

Incident Command  
Butler Hospital  
March 2020-April 2022

Institutional Review Board (alternate member)  
Butler Hospital  
2003-2015

Institutional Review Board (alternate member)  
Providence VA Medical Center  
2006-present

Protected Peer Review Committee  
Providence VA Medical Center  
April – June 2009

Imaging Core Committee  
Department of Psychiatry & Human Behavior  
2010-2012

Ad Hoc By-Law Committee  
Outpatient Consultation  
Providence VA Medical Center  
2012

Education Committee  
Mental Health & Behavioral Sciences Service  
Providence VA Medical Center  
2016-2019

MRI Safety Committee  
Diagnostic Imaging Service  
Providence VA Medical Center  
2016-2019

Incident Command  
Butler Hospital  
March2020 -- present

OTHER COMMITTEES & SERVICE

International Society for Vascular Behavioural and  
Cognitive Disorders,  
Student representative to Scientific Committee  
2005-2007

Neuropsychology Grant Writing Seminar, Director  
Brown University  
2006-2009

MRI Research Facility, Brown University  
Educational & Safety Committee  
2008-2012

Imaging Core Executive Committee  
Dominantly Inherited Alzheimer's Disease (DIAN) Study  
Washington University, St. Louis (coordinating center)  
Butler Hospital Memory and Aging Program  
2008-present

Program Committee Member  
APA Division 40 (Clinical Neuropsychology)  
2009 - 2012

Neuropsychology Internship Track Coordinator  
Brown University Clinical Psychology Training Consortium  
2011- 2017

Center for Neurorestoration & Neurotechnology  
Assistant Director MRI Research Core  
Providence VA Medical Center  
2012 – present (see Grants below)

Association for Internship Training in Clinical  
Neuropsychology  
Secretary/Treasurer 2012 – 2017  
President Elect 2017-2018  
President 2018-2022

International Neuropsychology Society  
Continuing Education Committee  
2012 - present

MRI Research Facility, Brown University  
Executive Committee  
2012 - present

Neuroimaging Center, Butler Hospital  
Assistant Director 2010 – 2012  
Director  
2012 – 2018

Clinical Neuropsychology Specialty Program (CNSP)  
(post-doctoral clinical neuropsychology fellowship program)  
(APA Accredited on Contingency)  
Brown University Clinical Psychology Training Consortium  
2017 – 2022

Center for Neurorestoration and Neurotechnology  
Training & Education Committee  
Providence VA Medical Center  
2018 – present

Chair, Advisory Board  
Navigating Neuropsychology Podcast  
2019-present

Planning Commission: Minnesota 2022 Conference to  
Update Education and Training Guidelines in Clinical  
Neuropsychology. 2021-2022

Steering Committee: Minnesota 2022 Conference to Update  
Education and Training Guidelines in Clinical  
Neuropsychology.  
2022-present

#### MEMBERSHIP IN SOCIETIES

American Psychological Association  
National Academy of Neuropsychology  
International Neuropsychological Society  
American Academy of Clinical Neuropsychology  
Phi Beta Kappa

#### PUBLICATIONS LIST

##### ORIGINAL PUBLICATIONS IN PEER-REVIEWED JOURNALS

1. **Correia S**, Faust D, & Doty R. (2001). A re-examination of the rate of vocational dysfunction among patients with anosmia and mild to moderate closed head injury. *Archives of Clinical Neuropsychology*, 16(5), 477-488.
2. Salloway S, Boyle P, **Correia S**, Malloy P, Cahn-Weiner D, Schneider L, K. Krishnan R, & Nakra R. (2002). The relationship of MRI subcortical hyperintensities to treatment response in a placebo-controlled trial of sertraline in geriatric depressed outpatients. *Am J Ger Psych*, 10, 107-111.
3. Salloway S, Gur T, Berzin T, Zipser B, **Correia S**, Hovanesian V, Fallon J, Kuo-Leblanc V, Glass D, Hulette C, Rosenberg C, Vitek M, & Stopa E. (2002) Effect of APOE genotype on microvascular basement membrane in Alzheimer's disease. *J Neurol Sci*, 203-204, 183-187.
4. Salloway S, **Correia S**, Boyle P, Malloy P, Schneider L, Lavretsky H, Sackheim H, Roose S, & Krishnan K.R.R. (2002). MRI Subcortical Hyperintensities in Old and Very-Old Depressed Outpatients: The Important Role of Age in Late-Life Depression. *J Neurol Sci*, 203-204, 227-233.
5. Rymer S, Salloway S, Norton L, Malloy P, **Correia S**, & Monast D. (2002). Contributions to caregiver burden in Alzheimer's disease: Awareness of deficit and behavioral disturbance. *Alzheimer's Disease and Associated Disorders*, Oct-Dec; 16(4):248-53.
6. Salloway S, **Correia S**, Peck J, & Harrington C. (2002) Dementia with Lewy Bodies: A Diagnostic and Treatment Challenge. *Medicine and Health/Rhode Island*, 85, 207-209.
7. MacLean A, **Correia S**, Woods R, Stopa E, Cortez S, Alderson L, Salloway S. Spontaneous lobar hemorrhage in CADASIL. *J Neurology Neurosurgery and Psychiatry*, 2005.

8. Grant JE, **Correia S**, Brennan-Krohn T, Laidlaw D. (2006). White matter integrity in kleptomania: A pilot study. *Psychiatry Research*, 147(2-3), 233-7.
9. Malloy P, **Correia S.**, Stebbins G., & Laidlaw DH. (2007) Neuroimaging of white matter: A review of methods and neuropsychological correlates in aging. Invited review paper, Archives of Clinical Neuropsychology. *The Clinical Neuropsychologist*, 21(1) 73-109.
10. Salloway S, **Correia S**, Richardson S. (2007). Key Lessons Learned from Short-Term Treatment Trials of Cholinesterase Inhibitors for Amnesic MCI. *International Psychogeriatrics*, June 28, 1-7.
11. Laidlaw DH, Lee SY, **Correia S**, Tate DF, Paul RH, Zhang S, Salloway SP, & Malloy PF. (2006). Quantitative TOI Metrics for White Matter Integrity Based on Diffusion Tensor MRI Data. *Views Radiology* 8(4) 21-23.
12. Grant JE, **Correia S**, Brennan-Krohn T, Malloy PF, Schulz C. (2007) White matter integrity in borderline personality disorder with self-injurious behavior: a pilot study. *Journal of Neuropsychiatry and Clinical Neurosciences* 19(4) 383-90.
13. Zhang S, **Correia S**, Laidlaw DH (2008) Identifying white-matter fiber bundles in DTI data using an automated proximity-based fiber-clustering method" *IEEE Transactions on Visualization and Computer Graphics* 14(5) 1044-1505.
14. Chen W., Zhang S., **Correia S**, Ebert D. Abstractive Representation and Exploration of Hierarchically Clustered Diffusion Tensor Fiber Tracts. 2008. Special Issue of *Eurographics/IEEEVGTC Symposium on Visualization*, 27(3).
15. **Correia S**, Lee S, Voorn T, Tate D, Paul R, Zhang S, Salloway S., Malloy P, Laidlaw DH. (2008) Quantitative Tractography Metrics of White Matter Integrity in Diffusion-Tensor MRI *NeuroImage*, 42 568-81.
16. Salloway, S. & Correia, S. (2009) One hundred years of Alzheimer's disease: Time to improve diagnosis and treatment in primary care. *Cleveland Clinic Journal of Medicine* 76:49-58.
17. Chen W., Ding, Z., Zhang S., MacKay-Brandt A., **Correia S.**, Qu H., Crow JA., Tate DF., Yan Z., Peng, Q. (2009). A Novel Interface for Interactive Exploration of DTI Fibers. *IEEE Transactions on Visualization and Computer Graphics* 15(6) 1433-40.
18. Mernoff, S & Correia, S. (2010). Military blast injury in Iraq and Afghanistan: The Veterans Health Administration's Poytrauma System of Care. *Rhode Island Medicine & Health*, 93(1): 16-18.
19. **Correia S.**, Hubbard E., Hassenstab J., Yip A., Vymazal J., Herynek V., Giedd J., Murphy DL., Greenberg BD. (2010). Basal ganglia MR relaxometry in obsessive-compulsive disorder: T2 depends upon age of symptom onset. *Brain Imaging and Behavior*.4(1) 35-45.
20. Brennan-Krohn T., Salloway, S., **Correia S.**, Dong M., de la Monte S. (2010). Glial-vascular degeneration in cerebral autosomal dominant arteriopathy with subcortical infarction and leukoencephalopathy (CADASIL). *Journal of Alzheimer's Disease* 1(21) 1393-1402.
21. Gongvatana A., Cohen R., **Correia S.**, Devlin K., Miles J., Kang H., Ombao H., Navia B., Laidlaw DH., Tashima KT. (2011) Clinical contributors to cerebral white matter integrity in HIV-infected individuals. *Journal of Neurovirology* 17(5) 477-86.
22. Chhatwal JP, Schultz AP, Johnson KA, Benzinger TLS, Jack CR, Salloway S, Ringman J, Koeppe R, Marcus D, Thompson PM, Saykin AJ, **Correia S**, Schofield PR, Rowe C, Fox NC, Brickman AM, Mayeux R, McDade E, Bateman R, Fagan A, Goate A, Xiong C, Buckles V, Moulder K, Morris JC, Sperling RA for the Dominantly Inherited Alzheimer

- Network. (2013). Impaired default network functional connectivity in autosomal dominant Alzheimer's disease: Findings from the DIAN study. *Neurology* 81(8) 736-44
23. Benzinger TS, Blazey T, Jack CR, Koeppe RA, Su Y, Xiong C, Raichle ME, Snyder AZ, Ances BM, Bateman RJ, Cairns NJ, Fagan AM, Goate A, Marcus DS, Aisen PS, Christensen JJ, Ercole L, Hornbeck RC, Farrar AM, Aldea P, Jaszec MS, Owen CJ, Xie X, Mayeux R, Brickman A, McDade E, Klunk W, Mathis CA, Ringman J, Thompson PM, Ghetti B, Saykin AJ, Sperling RA, Johnson KA, Salloway S, **Correia S**, Schofield PR, Masters CL, Rowe C, Villemagne VL, Martins R, Ourselin S, Rossor MN, Fox NC, Cash DM, Weiner MW, Holtzman DM, Buckles VD, Moulder K, & Morris JC. (2013). Regional variability of biomarkers in autosomal dominant Alzheimer's disease. *PNAS* . 110(47) e4502-9.
  24. **Correia S**, Cohen R. Gongvatana A, Ross S., Olchowski J, Devlin K., Navia B., Delamonte S., (2013). Relationship of plasma cytokines and clinical biomarkers to memory performance in HIV. *Journal of Neuroimmunology*. 265(1-2) 117-23.
  25. Salminen LE, Schofield PR, Lane EM, Heaps JM, Pierce KD. Cabeen R, Laidlaw DH, Akbudak E, Conturo TE, **Correia S**, & Paul RH. (2013). Neural fiber bundle lengths in healthy adult carriers of the ApoE4 allele: A quantitative tractography DTI study. *Brain Imaging and Behavior* 7:274-281.
  26. Baker LM, Laidlaw DH, Conturo TE, Hogan J, Zhao Y, Luo X, **Correia S**, Cabeen R, Lane EM, Heaps JM, Bolzenius J, Salminen LE, Akbudak E, McMical AR, Usher BS, Behrman A, Paul RH. (2014). White matter changes with age utilizing quantitative diffusion MRI. *Neurology* 15;83(3):247-52.
  27. Behrman AM, Usher C, Conturo TE, **Correia S**, Laidlaw DH, Lane EM, Bolzenius J, Heaps JM, Salminen LE, Baker LM, Cabeen R, Akhudak E, Luo X, Yan P, Paul RH. (2015). Fiber bundle length and cognition: A length-based tractography magnetic resonance imaging study. *Biological Psychiatry* 9(4): 765-75
  28. Gongvatana A, **Correia S**, Dunsiger S, Gauthier L, Devlin KN, Ross S, Navia B, Tashima KT, DeLaMonte S, & Cohen RA. (2014). Plasma cytokine levels are related to brain volumes in HIV-infected individuals. *Journal of Neuroimmune Pharmacology*. 9(5): 740-50
  29. **Correia S**, Ahern DC, Rabinowitz AR, Farrer TJ, Smith Watts AK, Salloway S, Malloy P, Deoni S. (2015). Lowering the Floor on Trail Making Test – Part B: Psychometric and Neuroimaging Evidence for a New Scoring Metric. *Archives of Clinical Neuropsychology*, November; 30(7):643-656.
  30. Seider TR, Gongvatana A, Woods AJ, Chen H, Porges EC, Cummings T, **Correia S**, Tashima K, & Cohen RA. (2015) Age Exacerbates HIV-Associated White Matter Abnormalities. *Journal of Neurovirology*, 22(2): 201-212.
  31. Baker LM, Laidlaw DH, Cabeen R, Conturo T, Akbudak E, **Correia S**, Tate D, Heaps-Woodruff JM, Brier MR, Bolzenius J, Salminen LE, Lane EM, McMichael AR, & Paul R. (2016). Cognitive reserve moderates the relationship between neuropsychological performance, and white matter fiber bundle length in healthy older adults. *Brain Imaging and Behavior*, June, 11(3):632-639.



32. Hancock L, **Correia S**, Ahern D, Barredo J, & Resnik L. (2016) . Cognitive Predictors of Skilled Performance with an Advanced Upper Limb Multifunction Prosthesis: A Preliminary Analysis. *Disability and Rehabilitation: Assistive Technology*, July 12(5):504-511
33. Viqar F, Seonjoo L, Zimmerman ME, Narkhede A, Tosto G, Benzinger TLS, Marcus DS, Fagan AM, Goate A, Fox NC, Cairns NJ, Holtzman DM, Buckles V, Aisen PS, Ghetti B, McDade E, Martins RN, Saykin A, Masters CL, Ringman JM, Ryan NS, Forster S, Schofield PR, Speling R, Salloway S, **Correia S**, Jack C, Weiner M, Bateman RJ, Morris JC, Mayeux R, & Brickman AM. (2016). White matter hyperintensities are a core feature of Alzheimer disease: Evidence from the Dominantly Inherited Alzheimer Network. *Annals of Neurology*, 79(6) 929-39.
34. Kavanaugh B., **Correia S.**, Jones J., Blum A., LaFrance WC, Davis JD. White Matter Integrity Correlates with Depressive Symptomatology in Temporal Lobe Epilepsy. (2017). *Epilepsy & Behavior*. Dec;77:99-105.
35. Smith Watts AK, Ahern DC, Jones J, Farrer TJ, & **Correia, S.** (2018). Trail-Making Test Part B: Evaluation of the Efficiency Score for Assessing Floor-Level Change in Veterans. (2018) *Archives of Clinical Neuropsychology*. March 22 (epub ahead of print).
36. Kinnunen KM, Cash DM, Poole T, Frost C, Benzinger TLS, Ahsana L, Leunga KK, Cardosa MJ, Modata M, Malonea IB, Morris JC, Bateman RJ, Marcus DS, Goate, Salloway S, **Correia S**, Sperling RA, Chhatwal JP, Mayeux R, Brickman AM, Marinski RN, Farlow MR, Bhatti B, Saykin AJ, Jack Jr CR, Schofield PR, McDade E, Weiner MW, Ringman M, Thompson PM, Masters CL, Rowe CC, Rossor MN, Ourselina S, Fox NC, for the Dominantly Inherited Alzheimer Network (DIAN). (2017). Presymptomatic atrophy in autosomal dominant Alzheimer's disease: a serial MRI study. 2017. *Alzheimer's & Dementia*. 14(1); 43-53.
37. Gordon BA, Blazey TM, Su Y, Hari-Raj A, Dincer A, Flores S, Christensen J, Jack Jr, C, Weinder M, McDade E, Wang G, Hornbeck R, Purnier K, Xiong C, Cairns N, Hassenstab J, Fagan A, Holtzman D, Raichle M, Morris J, Ances B, Berman S, Brickman A, Cash D, Chhatawal J, **Correia S**, Forster S, Fox N, Graft-Radford J, la Fougere C, Levin J, Masters C, Rosser M, Salloway S, Saykin A, Schofield P & Thompson P, for the Dominantly Inherited Alzheimer Network (DIAN). (2018). Spatial patterns of longitudinal neuroimaging biomarker change in autosomal dominant Alzheimer disease. *The Lancet Neurology* 17(3); 241-50.
38. Lee S, Zimmerman ME, Narkhede A, Nasrabady SE, Tosto G, Meier IB, Benzinger TLS, Marcus DS, Fagan AM, Fox NC, Cairns NJ, Holtzman DM, Buckles V, Ghetti B, McDade E, Martins RN, Saykin AJ, Masters CL, Ringman JM, Forster S, Schofield PR, Sperling RA, Johnson KA, Chatwal JP, Salloway S, **Correia S**, Jack CR, Weiner M, Bateman RJ, Morris, JC, Mayeux R, Brickman AM; Dominantly Inherited Alzheimer's Network. (2018). White Matter Hyperintensities and the mediating role of cerebral amyloid angiopathy in dominantly-inherited Alzheimer's disease. *PLoS One*. 13(5): e0195838.
39. Spader HS, Dean DC, LaFrance WC, Raukar NP, Cosgrove GR, Eyerly-Webb SA, Ellemeier A, **Correia S**, Deoni SC, & Rogg J. (2018). Prospective study of myelin water fraction changes after mild traumatic brain injury in collegiate contact sports. *Journal of Neurosurgery*, 175:61-67.

40. Lafo J, **Correia S**, Borgia M, Acluche F, & Resnik L. (2019). Cognitive characteristics associated with device adoption, skill retention, and early withdrawal from a study of an advanced upper limb prosthesis. *American Journal of Physical Medicine and Rehabilitation*, 98(10):879-887.
41. Barredo J, Bellone JA, Edwards M, Carpenter L, **Correia S**, & Philip N. (2019). White Matter Integrity and Functional Predictors of Response to Repetitive Transcranial Magnetic Stimulation for Posttraumatic Stress Disorder and Major Depression. *Depression and Anxiety* 36(11):1047-1057.
42. Asken BM, Thomas KR, Lee A, Davis JD, Malloy PF, Salloway SP, **Correia S**. (2019). Discrepancy-Based Evidence for Loss of Thinking Abilities (DELTA): Development and Validation of a Novel Approach to Identifying Cognitive Changes. *Journal of the International Neuropsychological Society*. 26(5):464-479.
43. Lee AKW, **Correia S**, Salloway, S. (2020). Accelerating preclinical Alzheimer's clinical trials through a trial-ready cohort with diverse representation (invited editorial). *Journal of Prevention of Alzheimer's Disease*, 7(4):204-205.
44. Keret O, Staffaroni AM, Ringman J, Cobigo Y, Goh S-YM, Allen IE, Wolf A, Chui H, Salloway S, Oh H, Bodge C, Lee A, **Correia S**, et al., Dominantly Inherited Alzheimer's Network. (2021). Pattern and degree of individual brain atrophy predicts dementia onset in dominantly inherited Alzheimer's disease. *Alzheimers Dementia (Amsterdam)* 13(1):e12197.
45. Joseph-Mathurin N, Wang G, Kantarci K, Jack CR, McDade E, Hassenstab J, Blazey TM, Gordon BA, Su Y, Hornbeck RC, Ances BM, Berman S, Brickman AM, Brooks WS, Cash DM, Chhatwal JP, Chui HC, **Correia S**, et al. (2021). Longitudinal accumulation of cerebral microhemorrhages in dominantly inherited Alzheimer disease. *Neurology*, 96(12):e1632-e1645.
46. Goodman A, Allendorfer J, Blum A, Bolding M, **Correia S**, Ver Hoef L, Gaston T, Grayson L, Kraguljac N, Lahti A, Martin A, Monroe W, Phillip N, Tocco K, Vogel V, LaFrance WC, Szaflarski J. (2020). White matter and neurite morphology differ in psychogenic non-epileptic seizures. *Annals of Clinical and Translational Neurology*. (10):1973-1984.
47. Bruchage MMK, **Correia S**, Malloy P, Salloway S, Deoni S. (2020). Machine Learning Classification Identifies Cerebellar Contributions to Early and Moderate Cognitive Decline in Alzheimer's Disease. *Frontiers in Aging Neuroscience*. 12; 1-7.
48. Madrigal C, Kim J, Jiang L, Lafo J, Bozzay M, Primack J, **Correia S**, Erqou S, Wu W-C, & Rudolph J. Delirium and Functional Recovery in Patients Discharged to Skilled Nursing Facilities after Hospitalization for Heart Failure. (2021) *JAMA Network Open* 4(3): e2037968.
49. Alber, J., Popescu, D., Thompson, L.I., Tonini, G.M., Arthur, E., Oh, H., **Correia, S.**, Salloway, S.P., & Lee, A.K. (2021). Safety and tolerability of *APOE* genotyping and disclosure in cognitively normal volunteers from the Butler Alzheimer's Prevention Registry. *Journal of Geriatric Psychiatry and Neurology*, 35(3):293-301.
50. O'Shea DM, Thomas KR, Asken BA, Lee AKW, Davis JD, Malloy PF, Salloway SP, & **Correia S**. 2021 (Alzheimer's Disease Neuroimaging Initiative). Adding cognition to the Alzheimer's disease biomarker framework improves prediction of cognitive and functional decline in non-demented older adults. (2021) *Alzheimer's & Dementia: Diagnosis, Assessment & Disease Monitoring*. 13(1), e12174.

51. Sharma A., Goodman A, Allendorfer J, Philip N, **Correia, S**, LaFrance CW, & Szlafarski J. (2021). Regional brain atrophy and aberrant cortical folding relate to anxiety and depression in patients with psychogenic non-epileptic seizures. *Epilepsia*. 63(1):222-236.
52. Lafo J, Singh M, Jiang L, **Correia S**, Madrigal C, Clements R, Kim J, Wu W-C, Erqou S, Rudolph JL, MD. (2022) Outcomes in heart failure patients discharged to skilled nursing facilities with delirium. *ESC Heart Failure*, 9(3):1891-1900.
53. Thompson, L., Harrington, K., Roque, N., Strenger., J., **Correia, S.**, Jones, R., Salloway, S., & Sliwinski, M. (2022). A highly feasible, reliable, and fully remote protocol for mobile app-based cognitive assessment in cognitively healthy older adults. *Alzheimer's & Dementia: Diagnosis & Disease Monitoring*, 14(1): e12283.
54. Szaflarski JP, Allendorfer JB, Goodman AM, Byington C, Philip NS. **Correia S**, & LaFrance CW. (2022). Diagnostic delay in functional seizures is associated with abnormal processing of facial emotions. *Epilepsy & Behavior*, 131(Pt A):108712.
55. Gaudet CE, Gold D, Castelluccio B McLaughlin NCR, & **Correia, S.** (2022). Limitations of Performance Validity Tests in Dementia Evaluations: The Role of Base Rates. *Psychological Assessment* online ahead of print (doi: 10.1037/pas0001166).
56. Goodman, AM, Kakulamari, P, Nenert, RE, Allendorfer, JB, Phillip, NS, **Correia, S.**, LaFrance Jr., WC, & Szaflarski, JP. (2022). Relationship between intrinsic network connectivity and psychiatric symptom severity in functional seizures. *Journal of Neurology Neurosurgery, and Psychiatry* Oct. 27:jnnp-2022-329838. doi:10.1136/jnnp-2022-329838
57. Gold D, Wisialowski C, Piryatinsky I, Malloy P, **Correia S**, Salloway S, Klinge P, Gaudet C, Niermeyer M, & Lee A. (2022) Longitudinal post-shunt outcomes in idiopathic normal pressure hydrocephalus with and without comorbid Alzheimer's disease. *Journal of the International Neuropsychological Society* 1-12. <https://doi.org/10.1017/S1355617722000868>
58. Lee AKW, Collier MK, Thompson LI, Popescu D, Arthur E, **Correia S**, Salloway S., & Alber J. (2023). The effects of subjective cognitive decline on APOE genotype disclosure in the Butler Hospital Alzheimer's Prevention Registry. *Journal of Prevention of Alzheimer's Disease* <https://doi.org/10.14283/jpad.2023.12>  
<https://link.springer.com/article/10.14283/jpad.2023.12>
59. Mueller C, Goodman AM, Nenert R, Allendorfer JB, Philip NS, **Correia S**, LaFrance Jr. WC, & Szaflarski JP. (2022) Repeatability of neurite dispersion and density imaging (NODDI) in healthy individuals and patients with traumatic brain injury. *J Neuroimaging* 33(5): 802-824.
60. Mueller C, Goodman A, Allendorfer J, Nenert K, Gaston T, Grayson L, **Correia S**, Philip N, LaFrance Jr WC, & Szaflarski J. (2023). White Matter Changes after Neurobehavioral Therapy for Functional Seizures. *Ann Neurol*, 94: 350-365  
<https://doi.org/10.1002/ana.26665>
61. Van Patten R, Chan L, Tocco K, Mordecai K, Altalib H, Twamley EW, Gaston TE, Grayson LP, Martin A, Fry S, Goodman A, Allendorfer JB, **Correia S**, Szaflarski J, & LaFrance WC Jr (2023). Improvements in Montreal Cognitive Assessment scores after neurobehavioral therapy in adults with functional (nonepileptic) seizures and traumatic brain injury. *Journal of*

*psychiatric research*, 165, 282–289.

<https://doi.org/10.1016/j.jpsychires.2023.07.038>

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77. Edwards M, Bellone JA, **Correia S**, Barredo J, Carpenter LL, & Philip NS. White matter integrity before and after repetitive transcranial magnetic stimulation in individuals with comorbid PTSD and depression. International Neuropsychological Society, 46th Annual Meeting, Washington, DC. February 14-17, 2018.

78. Bellone JA, Miller L, Wu WC, Moran S, & **Correia S**. Feasibility and initial results of inspiratory muscle training on cognition and functional capacity in older veterans with heart failure. International Neuropsychological Society, 46th Annual Meeting, Washington, DC. February 14-17, 2018.
79. Sofko, C.A., Ahern, D.C., Davis, J., Kenney, L., **Correia, S.**, & Ott, B.R. (2018, November). Validity of a novel scoring method for Trail Making Part B: Application to real-world driving skill. Poster. Annual Convention of the Gerontological Society of America, Boston, MA. 2019.
80. Oh H, **Correia S**, Salloway, S. Associations between Alzheimer's disease biomarkers and cognition among cognitively normal older adults. Poster presented at the Human Amyloid Imaging meeting, Miami, FL. January 15-17, 2020
81. Asken BM, Thomas KR, Lee A, Davis JD, Malloy PF, Salloway SP, **Correia S**. Discrepancy-Based Evidence for Loss of Thinking Abilities (DELTA): Development and Validation of a Novel Approach to Identifying Cognitive Changes. Paper presentation. International Neuropsychology Society, 47th Annual Meeting, Denver, CO. February 5-8, 2020.
82. Lafo JA, Jiang L, **Correia S**, Rudolph JL. The Interface of Cognitive Impairment and Delirium in Congestive Heart Failure: Increased Mortality Risk is Compounded When the Disorders Co-Occur. Paper presentation. International Neuropsychology Society, 47th Annual Meeting, Denver, CO. February 5-8, 2020.
83. O'Shea DM, Asken BM, Thomas KR, Lee A, Davis JD, Malloy PF, Salloway SP, **Correia S**. Structural Imaging and Molecular Biomarkers of the DELTA Cognitive Risk Score for Dementia. Poster presentation. International Neuropsychology Society, 47th Annual Meeting, Denver, CO. February 5-8.
84. Rudolph JL, Lafo JA, Madrigal C, Jiang L, **Correia S**, Wu WC. Delirium is Independently Associated with Poor Functional Recovery after Hospitalization for Heart Failure. Poster. American Delirium Society, 10th Annual Meeting, June 14-16, 2020. (postponed to March 14-16, 2021 due to coronavirus pandemic)
85. Madrigal, C., Lafo, J., Jiang, L., **Correia, S.**, Wu, W-C, Rudolph, J. (2020). Poor Cognitive Function is Independently Associated with Poor Physical Functional Recovery after Hospitalization for Heart Failure. Poster Presentation. Academy Health Annual Meeting, Virtual Conference August 2020.
86. Kim, J., Madrigal, C., Jiang, L., Lafo, J., Bozzay, M., Primack, J., **Correia, S.**, Erqou, S., Wu, W-C., & Rudolph, J.L. (2021). Delirium and Functional Recovery in Patients Discharged to Skilled Nursing Facilities After Hospitalization for Heart Failure. Invited Presentation. Delirium's World Delirium Awareness Day, Virtual.
87. Thompson L., Harrington K., Strenger J., Roque N., **Correia S.**, Salloway S., Jones R., & Sliwinski M. Feasibility of a remote mobile app-based protocol for cognitive screening in cognitively normal older adults. Alzheimer's Association International Conference, Amsterdam, July 2021.
88. Strenger, J. Alber J., Arthur E., Snyder P., Sinoff S., **Correia S.**, Salloway S., & Thompson L. Validation of a 4-item subjective cognitive decline screening questionnaire in cognitively normal older adults. Alzheimer's Association International Conference, Amsterdam, July 2021.

89. Popescu D., Alber J., Thompson L., Arthur E., Oh H., **Correia S.**, Salloway S., & Lee A. The impact of APOE genotype disclosure on lifestyle behaviors and decisions about future directives. Alzheimer's Association International Conference, Amsterdam, July 2021.
90. Baker LD., Espeland MA., Whitmer RA., . . . **Correia S.**, et al., and U.S. POINTER. U.S. POINTER: Lessons Learned About Delivery of a Multi-Domain Lifestyle Intervention during the COVID-19 Pandemic. Alzheimer's Association International Conference, Amsterdam, July 2021.
91. Sharma AA, Goodman AM, Allendorfer JB, Philip NS, **Correia S**, LaFrance WC, & Szlafarski JP. (2021) Are brain atrophy and aberrant cortical folding in regions regulating emotion morphological fingerprints of psychogenic non-epileptic seizures? American Epilepsy Society. Annual Conference, December 3-7, Chicago
92. Nenert R, Allendorfer JB, Goodman AM, Kakulamari P, Philip NS, **Correia S**, LaFrance WC, & Szlafarski JP. (2021). Fronto-parietal network functional connectivity, depression and quality of life in people with epilepsy or psychogenic non-epileptic seizures (PNES). American Epilepsy Society. Annual Conference, December 3-7, Chicago.
93. Goodman AM, Allendorfer JB, Martin AN, Vogel V, Tocco K, Philip NS, **Correia S**, LaFrance WC, & Szlafarski JP. Altered neural response to stress differs in functional and epileptic seizures following TBI. American Epilepsy Society. Annual Conference, December 3-7, Chicago.
94. Byington C, Goodman AM, Allendorfer JB, **Correia S**, LaFrance WC, & Szlafarski JP (2021). Anatomy of the right uncinat fasciculus is related to mental health symptom expression in functional seizures following TBI. American Epilepsy Society. Annual Conference, December 3-7, Chicago.
95. Allendorfer JB, Goodman AM, Byington C, **Correia S**, LaFrance WC, Szlafarski JP (2021). Differential emotion processing is associated with delay in diagnosis of functional seizures. American Epilepsy Society. Annual Conference, December 3-7, Chicago.
96. Gaudet CE, Castelluccio BC, Gold D, **Correia S**, & McLaughlin N. (2021). Why bother with base rates? Limitations of Performance Validity Tests in dementia evaluations of older adults. International Neuropsychology Society, 49th Annual Meeting, New Orleans.
97. Lee KWA, De Vito A, Brick LAD, Coutinho MT, & **Correia S**. (2021). Is there measurement invariance in subjective cognitive decline instruments across diverse ethnorracial groups? Alzheimer's Association International Conference, July 2022 San Diego.
98. Blujus, J.K., Cole, M.W., Festa, E., **Correia, S.**, Salloway, S., Heindel, W., & Oh, H. (2022). Posterior hippocampal redundancy is smaller among nondemented older adults with beta-amyloid deposition. Mind-Brain Research Day, Brown University.
99. Arulpragasam, AR, Faucher CR, Aiken EM, van't Wout-Frank M, Mernoff S, **Correia S**, Van Patten R, Liberzon, I, McDannold N, Barrredo J, Greenberg BD, Philip NS. (2022) Low intensity focused ultrasound for depression - early experience from first-in-human study. 8<sup>th</sup> International Symposium on Focused Ultrasound, October, Bethesda, MD. USA.
100. Van Patten R, Baird G, Blum A, **Correia S**, Philp N, Allendorfer J, Goodman A, Szaflarski J, Tocco K, & LaFrance C. (2022). Neuroimaging Biomarker for Seizures

- clinical outcomes. 4<sup>th</sup> International Conference on Functional Neurological Disorders, Boston.
101. Van Patten R, Baird G, Blum A, **Correia S**, Philip NS, Allendorfer J, Gaston TE, Goodman A, Grayson LP, Tocco K, Vogel V, Martin A, Fry S, Szaflarski JP, & LaFrance WC. (2022) Neuroimaging Biomarkers of Seizures: Treatment Outcomes. American Epilepsy Society Annual Meeting, Nashville, TN, December.
  102. Van Patten R, Baird G, Blum A, **Correia S**, Philip NS, Allendorfer J, Gaston TE, Goodman A, Grayson LP, Tocco K, Vogel V, Martin A, Fry S, Szaflarski JP, & LaFrance WC. (2022). Neuroimaging biomarker for seizures: Treatment Outcomes. American Epilepsy Society Annual Meeting. Nashville, TN.
  103. Nenert R, Allendorfer JB, Goodman AM, **Correia S**, Gaston TE, Grayson LE, Philip NS, LaFrance WC, & Szaflarski JP. (2022). Cognitive-behavioral therapy – informed psychotherapy (CBT-ip) in functional seizures improves seizure control but not brain entropy. American Epilepsy Society Annual Meeting. Nashville, TN.
  104. Allendorfer JB, Nenert R, Goodman AM, Kakulamari P, **Correia S**, Philip NS, LaFrance WC, & Szaflarski JP. (2022) Fronto-parietal network functional connectivity, entropy, depression and quality of life in seizure disorder. American Epilepsy Society Annual Meeting. Nashville, TN.
  105. Mueller C, Goodman AM, Allendorfer JB, Nenert R, Gaston TE, Grayson LE, **Correia S**, Philip NS, LaFrance WC, & Szaflarski JP. (2022) Changes in white matter and neurite morphometry in response to neurobehavioral therapy for non-epileptic (functional) seizures. American Epilepsy Society Annual Meeting. Nashville, TN.
  106. Turok N, Kregel M, **Correia S**, & Piryatinsky I. (2023) Optimizing the Mapping out of Neurocognitive Functioning in Glioblastomas in the Era of Intraoperative Mapping in Surgical Resection. International Neuropsychological Society, 50th Annual Meeting, San Diego.
  107. Thompson L, Strenger J, Emrani S, De Vito A, Harrington K, Roque N, Salloway S, Sliwinski M, & **Correia S**. (2023). Remote smartphone-based assessment predicts standard neuropsychological test performance and cerebral amyloid status in cognitively normal older adults. International Neuropsychological Society, 50th Annual Meeting, San Diego.
  108. De Vito A, Kunicki Z, Britton K, Villa P, Strenger J, Harrington K, Roque N, Sliwinski MJ, **Correia S**, & Thompson L. (2023). Intraindividual Variability in Processing Speed on Digital Cognitive Assessments Differs by Amyloidosis Status in Cognitively Normal Older Adults. International Neuropsychological Society, 50th Annual Meeting, San Diego.
  109. Szaflarski JP, Allendorfer JB, Goodman AM, Nenert R, Gaston TE, Grayson LE, Philip NS, **Correia S**, & LaFrance WC. (2023). Facial-emotion processing changes in functional seizures after cognitive behavioral therapy-informed psychotherapy. Annual Meeting of the American Academy of Neurology, Boston MA.
  110. Mueller C, Goodman A, Allendorfer J, Nenert K, Gaston T, Grayson L, **Correia S**, Philip N, LaFrance Jr WC, & Szaflarski J. (2023). White Matter Changes after Neurobehavioral Therapy for Functional Seizures. American Neurological Association Annual Meeting, Boston.

111. De Vito A, Kunicki Z, Emrani S, Strenger J, Harrington K, Roque N, Sliwinski M, Salloway S, **Correia S**, & Thompson L. (2023). Fatigue Interacts with Amyloid Status to Predict Daily Working Memory Performance in Preclinical Alzheimer's Disease. Alzheimer's Association International Conference (AAIC), Amsterdam, Netherlands.
112. Dion C, Kunicki Z, Emrani S, Strenger J, De Vito A, Britton K, Harrington K, Roque N, Sliwinski M, Salloway S, **Correia S**, Jones R, & Thompson L. (2023) Remote and in-clinic digital cognitive screening tools outperform the MoCA to distinguish cerebral amyloid status among cognitively healthy older adults. Alzheimer's Association International Conference (AAIC), Amsterdam, Netherlands.
113. Strenger J, Emrani S, Kunicki Z, Harrington K, Roque N, Sliwinski M, Salloway S, **Correia S**, & Thompson L. (2023). Time of day cognitive performance differences in remote, self-administered assessments and its association with cerebral amyloidosis. Alzheimer's Association International Conference (AAIC), Amsterdam, Netherlands.
114. Lee AK, De Vito AN, Brick LAD, Coutinho MT, & **Correia S**. (2023). Is there measurement invariance in subjective cognitive decline instruments across diverse ethnoracial groups? Alzheimer's Association International Conference. Annual Alzheimer's Association International Conference, Amsterdam, Netherlands.
115. Hogan K, Dandurand J, **Correia S**, Lavender D, Saint Hamilton S, & Scott D. (2023). *UGA CARE Center: A Collaborative Approach to Memory Evaluation*. Georgia Gerontology Society Annual Conference. Greensboro, GA
116. Kaguturu A, Huff H, Grasso G, **Correia S**, Scott D, Renzi-Hammond L, & Beer J. (2023). Development of physician focus group questions to understand barriers to dementia diagnosis in various rural counties in Georgia. American Public Health Association (APHA), Atlanta, GA.
117. Rogers AI, Scott D, Saint Hamilton S, Lavender D, Reina A, Beer J, Renzi-Hammond L, & **Correia S**. (2023). Lessons learned: Development of a memory education and assessment clinic in an academic public health. American Public Health Association (APHA), Atlanta, GA.

#### SCHOLARLY WORK PUBLISHED IN OTHER MEDIA

##### NON-PEER REVIEWED

Rater training videos: Demonstration of cognitive and behavioral test administration for clinical trials rater-training. (5 videos)

Pharmastar, Inc., 2003-present

Assessments: Mini-mental state exam (MMSE), Alzheimer's disease assessment scale-cognitive (ADAS-Cog), clinical dement rating scale (CDR), Rey Auditory Learning Test, Logical Memory I & II from Wechsler Memory Scale – Revised.

Neuroimaging and Neuropsychology, Friend or Foes? Navigating Neuropsychology Podcast. Part 1, July 2018; Part 2, September 2018.

INVITED PRESENTATIONS

1. Diffusion-Tensor Imaging: Basics and application to subcortical ischemic vascular disease. Division of Orthopaedic Engineering Research, Department of Orthopaedics, University of British Columbia/Vancouver Hospital, Vancouver, BC, CANADA, August 2004.
2. Diffusion-tensor imaging in aging and dementia. Geriatric Psychiatry Seminar Series, Butler Hospital, Providence RI. April 1, 2004
3. Frontal systems functioning in mild cognitive impairment. Geriatric Psychiatry Seminar Series, Butler Hospital, Providence RI. April 7, 2005
4. Diffusion-Tensor Imaging: A new MRI technique for characterizing white matter health. Grand Rounds: Department of Psychiatry. St. Luke's Hospital, New Bedford, MA. May 3, 2005.
5. White Matter Aging: Imaging and cognition. Colloquium presentation. Mental Health and Behavioral Sciences Service, Providence Veterans Affairs Medical Center, Providence, RI November 16, 2005.
6. Quantitative DTI tractography: Longitudinal assessment of vascular white matter injury. Scientific Visualization Group, Department of Computer Science, Brown University, November 26, 2006.
7. Traumatic brain injury: Summary of Veterans Health Initiative. Providence VA Medical Center, December 13, 2006.
8. Cognitive impairment, hippocampal volume, and white matter integrity in mild cognitive impairment. Geriatric Psychiatry Seminar Series, Butler Hospital, Providence RI. April 5, 2007
9. Traumatic brain injury. Rhode Island National Guard. Warwick, RI, September 14, 2007.
10. Blast-related traumatic brain injury. Non-commissioned Officer Training, Rhode Island National Guard. Warwick, RI, November 7. 2007.
11. Combat-related mild traumatic brain injury. Geriatric Psychiatry Seminar Series, Butler Hospital, Providence RI. June 5, 2008.
12. Traumatic brain injury and posttraumatic stress disorder in the workplace. EEO and Diversity Summit "Managing a Diverse Workforce." Naval Undersea Warfare Center, Newport, RI May 19, 2010.
13. Blast-related traumatic brain injury. Memorial Hospital of Rhode Island. Sports Concussion Clinic. Pawtucket, RI May 21, 2010.
14. Update on Sports and Military TBI. Medical Service Grand Rounds, Veterans Affairs Medical Center, Providence RI. November 5, 2010.
15. Attention-Deficit Hyperactivity Disorder. Mental Health and Behavioral Science Service, Colloquium Veterans Affairs Medical Center, Providence, RI. December 15, 2011.
16. Blast-Related Traumatic Brain Injury. Norman Prince Institute Workshop on Traumatic Brain Injury, Rhode Island Hospital, April 29, 2011
17. In-vivo Measurement of Myelin in Alzheimer's Disease Using mcDESPOT, Geriatric Psychiatry Rounds, College of Physicians and Surgeons, Columbia University, November 15, 2011.
18. Advances in Neuroimaging of Dementia. Dementia Seminar. Providence Veterans Affairs Medical Center, April 11, 2012.
19. Diffusion-Tensor Imaging and Sleep in Mild Traumatic Brain Injury. Research Week Series, Providence Veterans Affairs Medical Center, May 20, 2015.
20. Mild Traumatic Brain Injury: Clinical & Research Neuroimaging Features. In: From TBI to CTE: A Review and Update on Diagnosis, Management, and Pathophysiology of Mild TBI and



Chronic Traumatic Encephalopathy. Skoble L (chair). Presenters: Mernoff S, **Correia S**, Alosco M. American Association for Geriatric Psychiatry, March 19, 2016. Washington, DC.

21. Clinical Neuroimaging. Guest presentation, Neuropsychology Training Rounds. Cleveland Hospital Neuropsychology Service. March 03, 2022 (virtual platform).

## GRANTS

### ACTIVE

1. Low intensity focused ultrasound: A new paradigm for depression and anxiety.  
Role: Investigator (PI: Noah S. Philip, MD)  
Funding Source: NIMH U01 MH 123427  
Project: This study will perform the first in-human studies to develop low intensity focused ultrasound as a future treatment for depression and anxiety.  
6/2021 – 3/2024
2. Center for Neurorestoration and Neurotechnology.  
Role: Investigator (PI: Leigh Hochberg, Ph.D.)  
Co-Director of MRI Research; Executive Committee  
Funding Source: Department of Veterans Affairs RR&D (N9228-C)  
Project: Provides physical and human infrastructure to advance basic and translational brain research, neurorehabilitation, and neurotechnology at the Providence VA Medical Center.  
2018-2023
3. Neuroimaging Biomarkers for Seizures.  
Role: Investigator (PI: William C. LaFrance JR, M.D., MPH; Jerzy P. Szaflarski, M.D.)  
Funding Source: Department of Defense (W81XWH-17-0169)  
Project: Examines neuroimaging biomarkers of epileptic and non-epileptic seizures and treatment response to cognitive behavior therapy for seizures in patients with TBI.  
2017-2021 (on extension).
4. Robot-assisted cognitive training for lonely older adults with MCI (Phase II study)  
Role: Co-Investigator (PI: Jenay M. Beer, Ph.D.)  
Funding: NIH STTR Fast-Track (1R4AG060800)  
Project: As a follow-up from a one-month Phase I feasibility study, this study uses a randomized control trial to test the effectiveness of a 6-month cognitive training intervention (online piano training) to participants with cognitive impairment.

### PRIOR

1. Atlas of Retinal Imaging in Alzheimer's Study (ARIAS)  
St. Anthony's Hospital Foundation  
8/30/2019-8/30/2024  
Longitudinal study of retinal imaging changes in preclinical AD  
PI-Brown/Butler site as of April 2020
2. NIH R01, Research on Current Topics in Alzheimer's Disease and Its Related Dementias.  
09/15/2020-05/31/2025 "Developing novel cognitive and neuroimaging markers of early Alzheimer's disease pathologies"  
Role: Co-Investigator (Hwamee Oh, Principal Investigator)

3. U.S. Study to Protect Brain Health Through Lifestyle Intervention to Reduce Risk (U.S. POINTER).  
Sponsor: Alzheimer's Association/National Institute on Aging  
Role: Site PI, RI-New England Site as of April 2022; I was Co-I prior to April 2022  
Overall PI: Laura Baker  
Project: two-year clinical trial to evaluate whether lifestyle interventions that simultaneously target multiple risk factors protect cognitive function in older adults (age 60-79) at increased risk for cognitive decline.  
2020-2025
4. U.S. POINTER-Neuroimaging Ancillary Study  
Sponsor: Alzheimer's Association/NIH  
Role: Site PI, RI-New England Site as of April 2022. I was site Co-I prior to April 2022  
Overall PI: Susan Landau  
Project: Uses MRI and PET imaging to examine cerebral structural and functional consequences of lifestyle interventions in the U.S. POINTER study (entry #6 above)  
2020 – 2024
5. U.S. POINTER-zzz Ancillary Study  
Sponsor: Alzheimer's Association/NIH  
Role: Site PI, RI-New England Site as of April 2022  
Overall PI: Kathleen Hayden & Laura Baker  
Project: Uses sleep diaries, WatchPAT, and ActiGraph Link to examine effect of structured and self-guided interventions in the parent U.S. POINTER study (entry #6 above) on sleep.  
2020 – 2024
6. U.S. POINTER-Microbiome Ancillary Study  
Sponsor: Alzheimer's Association/NIH  
Role: Site PI, RI-New England Site as of April 2022  
Overall PI: Ali Keshavarzian  
Project: In-home fecal sample collection and plasma donation to examine effect of structured and self-guided interventions in the parent U.S. POINTER study (entry #6 above) on the gut microbiome.  
2020 – 2024
7. U.S. POINTER-NV (neurovascular) Ancillary Study  
Sponsor: Alzheimer's Association/NIH  
Role: Site PI, RI-New England Site as of April 2022  
Overall PI: Tina Brinkley & Hossam Shaltout  
Project: Neurovascular assessment (non-invasive continuous blood pressure and heart rate monitoring, aortic structure and function, and carotid structure and function to examine effect of structured and self-guided interventions in the parent U.S. POINTER study (entry #6 above) on vascular health.  
2020 – 2024
8. Alzheimer's Disease Biomarkers and Risk Disclosure (BioFINDER-Brown)  
Sponsor: Warren Alpert Foundation & Brown University Carney Center for Brain Studies  
Role: PI as of April 2022; I was Co-I prior to April 2022  
Project: Validate plasma pTau-181 & pTau-217; digital cognitive assessment, and retinal imaging for early detection of Alzheimer's disease. Validate a machine-learning algorithm for identifying Alzheimer's risk and refine protocols for safe risk disclosure. Study is performed in collaboration with the Swedish BioFINDER Study in Lund, Sweden.  
Anticipated start date June 2022 (delayed due to COVID and other factors)  
2021 – 2023.

### TRAINING GRANTS

1. VA Interprofessional Mental Health Education Expansion Initiative  
Role: Author  
Funding Source: Department of Veterans Affairs  
Project: Seven trainee positions were successfully funded as of November 28, 2012 as part of a nationally competitive VA initiative to promote interprofessional training in mental health. Positions funded were two psychiatry residents, two pharmacy residents, one psychology postdoctoral fellow, and two social work residents. I was the lead author and conceptual developer of the Providence VAMC proposal.
2. Postdoctoral Fellowship in Neuropsychology/Geropsychology  
Role: Author, Primary Mentor  
Funding Source: Department of Veterans Affairs  
Project: Successfully funded nationally competitive grant to enhance psychology training at Veterans Affairs Medical Centers. This unique project funds a clinical APA-approved clinical neuropsychology fellow whose primary role is to provide supervised neuropsychological services to veterans directly in the Primary Care, Geriatric Specialty, and Home-Based Primary Care services.  
July 2010-June 2011
3. VA Study to Optimize the DEKA Arm  
Role: Investigator (PI: Linda, PhD, PT, OCS; Providence VAMC)  
Funding Source: Department of Veterans Affairs (RR&D A6780I)  
Project: Evaluate and optimize the effectiveness of the DEKA arm for amputees.  
Four year award budget: \$1,766,559  
2009-2011 (extended)
4. Enhancements to Psychology Training at the Providence VAMC  
Role: Lead Author, Primary Mentor for Neuropsychology  
Funding Source: Department of Veterans Affairs  
Project: Successfully funded nationally competitive grant to enhance psychology training at Veterans Affairs Medical Centers. This proposal funded new permanent psychology training positions at the Providence VAMC: two pre-doctoral clinical psychology interns including one in neuropsychology and one in behavioral health; and one clinical psychology post-doctoral fellow specializing in post-traumatic stress disorder.  
July 2007- ongoing
5. Enhancements to Psychology Training at the Providence VAMC (Phase IV)  
Role: Author & Primary Supervisor  
Funding Source: Department of Veterans Affairs  
Project: Successfully funded nationally competitive grant to enhance psychology training at Veterans Affairs Medical Centers. This proposal funded a recurring two-year postdoctoral resident position in clinical neuropsychology. The position involves providing services at the Providence and Community Based Outpatient Clinics of PVAMC; it involves remote assessments via Clinical Video Telehealth; and delivery of cognitive rehabilitation.  
Starts September 2018

### EQUIPMENT GRANTS

1. Diffusion-Tensor Imaging Acquisition and Evaluation License for Siemens Verio 3T MRI Scanner  
Role: Author  
Funding Source: Department of Veterans Affairs; Shared Equipment and Evaluation Program  
Project: Obtained funding to purchase licenses for diffusion-tensor imaging acquisition pulse sequences and computation of scalar parameter maps.  
Amount Awarded: \$45,832  
Funded: April 2011

### OTHER GRANTS

- Internet-based Cognitive Rehabilitation.  
Role: Collaborator/Contributor (Donald Labbe, Ph.D., Award Recipient)  
Funding Source: Department of Veterans Affairs. Innovation Award  
Project: Highly competitive award designed to improve healthcare delivery within the Veterans Health Administration. This award will develop a secure website that provides evidence-based psychoeducational tools to veterans with mild cognitive difficulty due to mild traumatic brain injury or other neurological or psychiatric disorder other than stroke or neurodegenerative dementia. Patients will also have the opportunity for face-to-face cognitive rehabilitation via secure video link.  
Amount Awarded: \$150,000  
Funded: 2016 (12-month award commencing after all contracting agreements are in place).

### COMPLETED

1. Validation of a Modified Attention Network Task for Mild Traumatic Brain Injury  
Role: Principal Investigator  
Funding Source: Brown Vice President for Research  
Project: Tests a modification of the Attention Network Task using auditory stimulation to assess alerting, orienting, and executive aspects of attention in college football players with and sports-related concussion vs. non-concussed, non-contact sport athletes.  
\$10,000  
January 2009 – 2015
2. Working memory and frontal white matter integrity in mild cognitive impairment.  
Role: Principal Investigator  
Funding Source: Alzheimer's Association; Young Investigator Award (NIRG-03-6195)  
Project: Uses diffusion-tensor imaging and cognitive testing to examine frontal systems integrity in patients with mild cognitive impairment.  
\$100,000  
2003 – 2007
3. Diffusion Tensor MRI Mapping of How Brain Fiber Tracts Change After Gamma Knife Capsulotomy for Intractable Obsessive Compulsive Disorder  
Role: Investigator (PI: Benjamin Greenberg, MD)  
Funding Source: Charles A. Dana Foundation  
Project: Tests the hypothesis that reduction on thalamo-orbitofrontal cortex fibers on diffusion tensor imaging following gamma capsulotomy will be associated with improvement in symptoms of obsessive compulsive disorder  
\$100,000  
2003 - 2008

4. Diffusion-tensor and perfusion-weighted MRI for improved detection of white matter injury in patients with hypertension.  
Funding Source: Brown Department of Diagnostic Imaging (PI: Jerrold Boxerman, MD)  
Role: Co-Principal Investigator  
Project: Uses advanced neuroimaging to examine the impact of hypertension on subcortical white matter and its relationship to cognition.  
\$15,000  
2005 – 2006
5. Advanced quantitative diffusion-tensor imaging metrics for clinical application.  
Role: Investigator  
Funding Source: Brown Vice President for Research Seed Grant (PI: David Laidlaw, Ph.D.)  
Project: This project will develop new interactive tools for rapid selection and quantification of specific white matter pathways for correlation with clinical status.  
\$100,000  
2005 – 2007
6. Aging brain: DTI, subcortical ischemia, and behavior.  
Role: Investigator  
Funding Source: NIA PAR-03-056 (PI: Stephen Salloway, MD)  
Project: This project uses diffusion-tensor imaging to investigate changes in the integrity of frontal systems white matter on executive function and behavior in patients with genetic and sporadic forms of subcortical ischemic white matter disease.  
\$100,000  
2005 – 2007
7. Diffusion-tensor and perfusion-weighted MRI type 2 diabetes.  
Funding Source: The Rhode Island Foundation  
Role: Principal Investigator  
Project: Uses advanced neuroimaging to examine the impact of type 2 diabetes on subcortical white matter and its relationship to cognition.  
\$10,000  
January 2006 – December 2006
8. Optimizing histopathological correlation of diffusion-tensor imaging data  
Funding Source: Brown MRI Research Facility  
Role: Principal Investigator  
Project: Examines the impact of brain fixation in sucrose vs. formalin for performing DTI-histopathological correlations.  
\$6750 (scan time only)  
2006 – 2007
9. Age Effects on HIV-associated Brain Dysfunction  
Funding Source: NIMH R01MH074368  
Role: Investigator (PI: Ronald Cohen PhD)  
\$1,250,000  
2006-2011

10. Neuromarkers of age-related cognitive decline  
Funding Source: NIA 1 R01 NS052470-01A2  
Role: Consultant (PI: Robert Paul, PhD)  
Project: Examines neuroimaging and genetic markers of age-related cognitive decline. I provided critical pilot DTI analysis to support the third revision of this proposal.  
\$3,161,007  
2007 - 2012
11. Investigation of Myelin Loss Associated with Alzheimer's Dementia (NIRG-09-131008)  
Role: Investigator  
Funding Source: Alzheimer's Association (PI: Sean Deoni, PhD)  
Project: Examines myelin loss in early Alzheimer's disease using advanced MRI techniques  
\$80,000  
2010 –2012 (ongoing data analysis)
12. Existing practice patterns for screening mild TBI in OEF/OIF veterans.  
Role: Site PI, Providence VA Medical Center  
Funding Source: Department of Veterans Affairs (IAC 08-101)  
Project: Examines provider and patient adherence to VHA Directive 2007-013 guidelines for screening and treating traumatic brain injury in OEF/OIF veterans.  
\$373,000  
2010 - 2013
13. Alcohol and HIV: Biobehavioral Interactions and Intervention (1 P01 AA019072)  
Role: Investigator  
Funding Source: National Institute on Alcohol Abuse and Alcoholism (PI: Peter Monti, PhD)  
Project: The goals of this alcohol research center are to study the effects of alcohol use on HIV disease progression and the effects of interventions to reduce alcohol use in HIV-infected populations. The center also fosters multidisciplinary collaborations and training in research on alcohol and HIV and dissemination of research findings to clinicians treating addictions and HIV.  
\$1,174,485  
2010 – 2015
14. Home Study of an Advanced Upper Limb Prosthesis.  
Role: Investigator (PI: Linda Resnik, Ph.D.)  
Funding Source: VA RR&D (A9226-R)  
Project: Examines the feasibility, acceptance and benefits of home use of an advanced upper limb prosthetic device as well as the logistical support requirements utilized during 3 months of home usage.  
\$5,860,348  
2011 – 2015
15. Pilot Study of Acupuncture as an Alternative Treatment for PTSD.  
Role: Investigator  
Funding Source: RI Foundation (PI: Madhavi Reddy, Ph.D.)  
Project: Examines the feasibility, acceptance, and preliminary efficacy of acupuncture for PTSD.  
\$10,000  
2012-2014

16. Amyloid pathology and shunt outcome in normal pressure hydrocephalus  
Role: Investigator  
Funding Source: Avid Pharmaceuticals (PI: Stephen Salloway, M.D.)  
Project: To determine the impact of Alzheimer's disease and cerebral amyloid burden on physical and cognitive outcome following ventriculoperitoneal shunt placement for normal pressure hydrocephalus. To determine the clinical phenotype of NPH with and without significant cerebral amyloid burden.  
\$45,000  
2012-2015
17. White Matter Integrity and Sleep Complaints in Mild Traumatic Brain Injury.  
Role: Principal Investigator  
Funding Source: Center for Neurorestoration and Neurotechnology  
Project: Pilot project to examine whether veterans of Iraq and Afghanistan with traumatic brain injury and sleep complaints have alterations in white matter pathways involved in sleep. This project was the first to establish MRI research at the Providence VA Medical Center.  
\$11,625  
2013 – 2019
18. Treating the chronic effects of mild traumatic brain injury in veterans  
Role: Investigator (PI: William C. LaFrance, M.D.)  
Funding Source: Center for Neurorestoration and Neurotechnology (Providence VAMC)  
Project: Pilot project examines the utility and neuroimaging correlates of a validated cognitive-behavioral treatment for non-epileptic seizures modified for treatment of chronic post-concussive symptoms.  
\$14,040  
2015 – 2016
19. The effects of inspiratory muscle training on cognition and functional capacity in older adults with heart failure.  
Role: Investigator/Mentor (PI: Lindsay Miller, Ph.D.)  
Funding Source: American Psychological Association Society for Clinical Neuropsychology  
Project: Pilot investigation of whether inspiratory muscle training augments cognitive status in older adults with heart failure by improving functional capacity.  
\$14,050  
2015 – 2019

#### OTHER RESEARCH ACTIVITY

Member, Data Safety Management Board: Stage 2 Cognitive-Behavioral Trail: Reduce Alcohol First in Kenya Intervention (RAFIKI). Rebecca Papas, PI

#### HOSPITAL TEACHING ROLES

Co-supervision of neuropsychology interns, Butler Hospital (ended 2005)

Co-supervision of neuropsychology practicum students, Butler Hospital (ended 2005)

Introduction to Clinical Neuroimaging I and II: Annual lectures to 1<sup>st</sup> year geriatric psychiatry residents. (2005-present)

Stroke: Annual lecture to neuropsychology interns and fellows (2005 – present)

Neuroimaging for neuropsychologists: MRI: Annual lecture to neuropsychology interns and fellows (2005 – present)

Monthly neuropsychology case presentations/didactics for psychiatry residents, pharmacy residents, and other trainees; Inpatient Psychiatry Service; Providence VAMC (2005-2012)

Annual neuropsychology didactics for psychiatry residents; Providence VAMC. (2005-present)

Pitfalls of clinical decision-making

Clinical neuropsychology in the hospital setting: Overview of clinical practice, roles, strengths, limitations, and referrals.

Introduction to Clinical Neuroimaging: Annual lecture to general psychiatry residents (PGY 3: 2005-2015; PGY 1 & 2: 2016-present)

Neuropsychology intern supervision; Providence VAMC (2006 – present)

Monthly Dementia Research and Case Conferences, Providence VAMC (2009 – 2012)

Interprofessional Training Rounds, Providence VAMC (2013 – present)

Supplement to Traumatic Brain Injury seminar for neuropsychology interns and fellows (2013 – present)

Traumatic Brain Injury: Annual lecture (co-lead with Dr. Megan Spencer) to PVAMC post-doctoral fellows (2013 – present).

Attention: Annual lecture to general psychiatry residents (PGY 1 & 2; 2016 -- present)

#### UNIVERSITY & HOSPITAL TEACHING ROLES (mentoring)

##### *Brown Undergraduates*

Audrey Kwak, 2001-2 Psychology Honors Thesis

Project: Predictors of functional impairment in Alzheimer's disease

Leah Belsky, 2001-2 Biology

Project: When familial FTD is suspected: Ethical and clinical issues in genetic research

Sophie Desbiens, Summer 2002 Brain Science UTRA Fellow

Project: Development of an assay for notch-3 mutations

Suzanne Drodge, Summer 2002 MRI Research Facility UTRA Fellow

Project: Diffusion tensor imaging in CADASIL

Stan Pelosi, Summer 2002 PLME summer research assistantship

Project: Working memory in Alzheimer's disease (co-mentor with Dr. Malloy)

Jonathan Greer, 2003 PLME summer research assistantship

Project: A PCR-SSCP reliant assay for notch-3 mutations in CADASIL patients

Ryan Li, 2003-4 Neuroscience honors thesis

Project: MRI correlates of ambulation and motor functioning in Alzheimer's disease.

Thea Brennan-Krohn, 2004 Summer Training in Aging Research topics Mental Health- NIMH Award

Project: Diffusion tensor imaging and working memory in SIVD

Christopher Song, 2004 Summer Training in Aging Research topics Mental Health- NIMH Award

Project: Development of an assay for notch3 mutations

Kevin Patel 2005 Summer Brown MRI Research Facility UTRA Fellow

Project: Diffusion-tensor imaging in Alzheimer's disease.

Lyle Muller Spring 2006 Volunteer: Motion correction in diffusion-tensor imaging

Andrea Posa 2006 Summer Volunteer: Clinical Neuropsychology, Diffusion-tensor imaging pre-processing.

Sharon Song 2006-2007 Honors Thesis: Performance on the Mini-Mental Status Exam vs. the Montreal

Cognitive Assessment in Patients with CADASIL.

Kevin Patel, 2005, Brown MRI Research Facility Fellowship (Fall semester)

Project: DTI Tractography Metrics: Incremental Validity and Correlation with Cognitive Function in Vascular White Matter Injury.



- Kevin Patel, 2006-7, Department of Psychology Honors Thesis Project: Differential Impact of Grey Matter vs. White Matter Changes on Cognitive Function in Mild Cognitive Impairment. Recipient of Psychology Department's Harold Schlosberg Memorial Premium
- Sara Epstein, 2007-8, Department of Neuroscience, Honors Thesis Project: "Frontal-temporal white matter connections and executive aspects of memory performance in CADASIL."
- Jessica Man, 2010 Brown University Teaching and Training Award (Summer)  
Project: Myelin and instrumental activities of daily living in Alzheimer's disease.
- W. Reece Chandler, 2010 – 2011 (mentor) Department of Human Biology (Senior Capstone Project):  
Project: Validation of a modified Attention Network Task.
- Jessica Man, 2010 Honors Thesis, Department of Human Biology  
Project: Myelin and instrumental activities of daily living in Alzheimer's disease.
- Clayton Del Prince, 2012 – 2013 (mentor) Department of Human Biology (Senior Capstone Project):  
Project: A modified Attention Network Task in Mild Traumatic Brain Injury.
- Ava Runge 2015 (second reader) Department of Human Biology, Honors Thesis:  
Myelination and Autism: A Quantitative Investigation of Myelin Water Fraction using MRI.

*Brown Medical Students*

- Shirine Nassery, 2001 PLME summer research assistantship  
Project: Relationship of subcortical microvascular changes in Alzheimer's disease to ApoE genotype and systolic hypertension
- Risha Kopel, 2001 summer research project  
Project: Use of diffusion tensor MRI to differentiate normal pressure hydrocephalus from Alzheimer's disease
- Ainsley MacLean, 2002 PLME summer research assistantship  
Project: Phenotypic variation in a large family with CADASIL  
Recipient of an Alzheimer's Association Travel Award to present her work at the 8th World Alzheimer's Disease Congress in Stockholm, 7/2002
- Michael Joseph, 2005, Clinical Neuroscience Research Assistantship (summer)  
Project: Relationship of hippocampal and whole brain volume to cognitive impairment in CADASIL.  
Performed qualitative and quantitative ratings of hippocampal volume adjusted for intracranial volume.
- James Enos, 2008 (co-mentor) START-MH recipient (Sponsored by National Institute of Mental Health)  
Project: Neuropathological correlates of normal pressure hydrocephalus in Alzheimer's disease.
- Lindsey Gurin, 2009, summer research project  
Project: Implementation of the Department of Veterans Affairs Polytrauma System of Care at the Providence VA Medical Center.
- Jonathan Treem, 2010, Recipient: Medical Student Training and Research Experience in Aging and Mental health, Summer Award (sponsored by NIMH and UC San Diego) Project: Myelin and susceptibility-weighted imaging in Alzheimer's disease.

*Other Brown Students*

- Ryan Cabeen, 2016 Doctoral Committee, Department of Computer Science. "Developing and Evaluating Computational Tools for the Modeling, Visualization, and Analysis of Brain White Matter with Diffusion MRI." David H. Laidlaw, PhD, Major Professor.
- Wenjin Zhou, 2006. Doctoral Committee. Department of Computer Science. "Quantitative comparison of methods for interactively selecting 3D tracts-of-interest in Diffusion Imaging Datasets." David H. Laidlaw, PhD, Major Professor.
- Margot Lawton, 2008 (co-mentor). Neuropathological Correlates of Normal Pressure Hydrocephalus in Alzheimer's Disease.
- Ryan Cabeen, 2011-2012. Masters Thesis Committee. Shape Analysis of the Cortical Surface and White Matter Fiber Tracks from Surface-Based Parcellation Methods. David H. Laidlaw, Major Professor.

Ryan Cabeen, 2015-2016. Doctoral Dissertation Committee. Developing and Evaluating Computational Tools for the Modeling, Visualization, and Analysis of Brain White Matter with Diffusion MRI. David H. Laidlaw, Major Professor.

*Brown Pre-Doctoral Psychology Interns (Research)*

Jessica Foley, July 2006 – June 2007: Diffusion-tensor imaging in aging.

Jason Hassenstab, July 2007-June 2008: Diffusion-tensor imaging in vascular cognitive impairment

Anna MacKay, July 2008-June 2009: Diffusion-tensor imaging in CADASIL

David Ahern, July 2009-June 2010: Cortical Atrophy in Fronto-Temporal Dementia in Relation to FrSBc Scores

Trevor Wu, July 2010-June 2011: Diffusion-tensor imaging and myelin integrity in early Alzheimer's disease.

Amanda Rabinowitz, July 2011-June 2012: White matter correlates of a new scoring metric for Trail Making Test part B in Alzheimer's disease

Athene Lee, July 2012 – June 2013: Myelin imaging in Alzheimer's disease.

Julia Rao, July 2012 – June 2013: Myelin imaging in Alzheimer's disease.

Shawn Nelson Schmitt, July 2013 – June 2014: DTI in Alzheimer's disease.

Elizabeth Hartman, July 2013 – June 2014: DTI and Sleep in OIF/OEF Veterans with TBI.

Thomas J. Farrer, July 2014 – June 2015: DTI and Sleep in OIF/OEF Veterans with TBI.

Ashley Smith Watts, July 2014 – June 2015: Myelin imaging in Alzheimer's disease.

Jacob D. Jones, July 2015 – June 2016: Myelin imaging in Alzheimer's disease.

Melissa L. Edwards, July 2016 – June 2017: 1) Graph theory metrics of diffusion-tensor imaging in Alzheimer's disease; 2) White matter correlates of treatment response to transcranial magnetic stimulation in chronic post-traumatic stress disorder.

Umesh Venkatesan, March 2017 – June 2017: Diffusion tensor and arterial spin labeling of acute and post-acute sports-related mild traumatic brain injury.

Jacob A. Lafo, July 2017 – June 2018: Gait retraining in stroke: Cognitive predictors of response to virtual-reality and transcranial direct current stimulation interventions.

Cutter A. Lindbergh, July 2017 – June 2018: Does cognitive reserve moderate associations between myelin integrity and cognitive function in Alzheimer's disease?

Breton Asken, July 2018 – June 2019: Neuropsychological patterns of mismatches between clinical diagnosis of Alzheimer's disease and amyloid PET results.

Deirdre M. O'Shea. July 2019 – June 2020. Structural neuroimaging correlates of cognitive decline as measured by a proposed score that captures discrepancy between predicted and obtained cognitive scores.

*Brown Pre-Doctoral Psychology Interns (Clinical)*

Jessica Foley, July 2006 – October 2006

Andrew Preston, November 2006 – February 2007

Willoughby Britton, March 2007 – June 2007

Jason Hassenstab, July 2007 – October 2007

Farzin Irani, November 2007 – February 2008

Marc Kruse, March 2008 – June 2008

Anna Jean MacKay-Brandt, July 2008 – October 2008

Susan Vanderhill, November 2008 – February 2009

Susan Wenzel, March 2009 – June 2009

Dawn Mechanic-Hamilton, July 2009 – October 2009

Jing-ee Tan, November 2009 – February 2010

Ann E. Mikos, March 2010 – June 2010

Trevor C. Wu, July 2010 – October 2010, March 2011 – June 2010

Janessa Carvalho, November 2010 – February 2011

Donald Labbe, July 2011 – February 2012

Amanda Rabinowitz, March 2012 – June 2012  
Mandi Musso, July 2012 – February 2013  
Athene Lee, March 2013 – June 2013  
Shawn Nelson Schmitt, July 2013 – February 2014  
Elizabeth Hartman, March 2014 – June 2014  
Thomas J. Farrer, July 2014 – February 2015  
Ashley Smith Watts, March 2015 – June 2015  
Jacob D. Jones, July 2015 – February 2016  
Deepti Putchu, March 2016 – June 2016  
Sarah K. Pillemer, July 2016 – February 2017  
Umesh Venkatesan, March 2017 – June 2017  
Jacob A. Lafo, July 2017 – February 2018  
Ryan Van Patten, March 2018 – June 2018  
Laura Korthauer, March 2018 – June 2018  
Breton Asken, July 2018 – February 2019  
Gennarina Santorelli, July 2018 – February 2019  
Tatiana Karpouzian Rogers, March 2019 – June 2019  
Madison Niermeyer, March 2019 – June 2019  
Amy Karstens, July 2019 – June 2020  
Emily Hallowell, July 2019 – August 2019

*Brown Postdoctoral Neuropsychology Fellows (Research)*

David C. Ahern, July 2010 – June 2012: Validation of a modified Attention Network Task  
Donald Labbe, July 2012 – June 2014: Prospective memory in mild traumatic brain injury.  
Athene Lee July 2013 – June 2015: (1) White matter correlates of early life stress. White matter correlates of child and adolescent bipolar disorder. (2) Bipolar disorder and structural connectivity: A developmental comparison between children and adults.  
Elizabeth Hartman, July 2014 June 2016: Association of vascular risk factors with white matter network changes in Alzheimer's disease.  
Lindsay Miller, June 2014 – July 2015: Inspiratory muscle training to improve cognitive function in congestive heart failure (Principal Investigator; APA Division 40 Grant Award).  
Brian Kavanaugh, June 2015 – June 2016: Cognitive and behavioral correlates of white matter integrity in temporal lobe epilepsy.  
Ashley Smith Watts July 2015 – June 2016: Longitudinal validity of Trail Making Test part B efficiency score  
John Bellone, September 2016 – August 2018: 1) Inspiratory muscle training to improve cognitive function in congestive heart failure (Investigator – see Lindsay Miller above); 2) White matter correlates of treatment response to transcranial magnetic stimulation in chronic post-traumatic stress disorder.  
Jacob Lafo, July 2017 – June 2018. Cognitive characteristics associated with device adoption, skill retention, and early withdrawal from a study of an advanced upper limb prosthesis.  
Jacob Lafo, May 2018 – August 2020. Neuropsychological service disparities in veterans with congestive heart failure.  
Kristen Wesbecher, September 2018 – August 2020: Effects of mindfulness-based interventions on the brain-behavior mechanisms of self-referential processing in patients with moderate to severe depression.  
Emma Gosselin, September 2019 – present: Atlas of Retinal Imaging Atlas; Snellen Memory Test.  
Alyssa De Vito, 202 – present: The role of persistent stress/anxiety in the trajectory of Alzheimer's disease. Development of digital cognitive assessments.  
Sheina Emrani, 2021 – present: The impact of cardiovascular risk on blood-brain barrier integrity and its role in the trajectory of cognitive aging and dementia.

*Brown Postdoctoral Neuropsychology Fellows (Clinical)*

David C. Ahern, July 2010 – June 2012

Donald Labbe, July 2012 – June 2014

Lindsay Miller, July 2014 – June 2016

John A. Bellone, September 2016 – August 2018

Jacob Lafo, July 2018 – April 2019

Kristen Wesbecher, September 2018 – 2019

Brian Castelluccio, May 2020 – July 2020.

Charles Gaudet, August 2020 – August 2021

*Brown Postdoctoral Psychology Fellows (Clinical; PVAMC Polytrauma/TBI Clinic)*

Samantha Collum, September 2014 – 2015

Jessica Urgelles, September 2015 – 2016

Daria Mamon, September 2016 – August 2017

Kristin Healey, September 2017 – August 2018

*Brown Postdoctoral Psychology Fellows (Clinical; PVAMC Polytrauma/TBI Clinic)*

Olivier Barthelemy, September 2020 – August 2021

*Brown Psychiatry Residents*

Gail Serruya, MD 2006 Histopathological correlation of diffusion-tensor imaging.

*Brown Psychiatry Fellows*

Jamison Rogers, M.D. – Forensic Psychiatry Fellowship

*Neuropsychology Practicum students*

Erin Schlicting, practicum student, University of Rhode Island (2003)

Elizabeth Schlicting, practicum student, University of Rhode Island (2004-2005)

Dawn Brock, practicum student, Antioch New England Graduate School (Summer 2006)

David Ahern, practicum student, University of Rhode Island (2007)

Elizabeth Springate, University of Connecticut (2008)

Andrea Lavinge, University of Rhode Island (2008)

Jason Angel, Harvard University (Summer 2009)

Rachel Baldwin, University of Rhode Island (2009-2010)

Radhika Pasupuleti, University of Rhode Island (2010)

Valerie Maine, Antioch New England Graduate School (Summer 2011)

Aaron Baker, University of Rhode Island (Summer 2011-Spring 2012)

Nicole Amoyal, University of Rhode Island (Summer 2012)

Kyle Faust, University of Rhode Island (Summer 2014)

Sarah Burrous, Providence College (Fall 2016)

Franzy Acluche, Research Assistant, Providence VA Medical Center (Fall 2016 – Spring 2017)

Abigail Waters, Suffolk University (January 2020 – September 2020)

Charida Davis, William James College (January 2020 – June 2020)

Kirolos Boulos, William James College (July 2020 – June 2021)

Sophie Dominguez-Perez, University of Connecticut (July 2021-April 2022)

Sydney Howie James, University of Georgia, (January 2023 – August 2023)

Heidi Sarles-Whittlesey, University of Georgia (January 2023 – present)

Emily Norton, University of Georgia, (January 2023 – present)

Colin Gardner, University of Georgia, (January 2023 – present)

Holly Fleischmann, University of Georgia, (January 2023 – present)

Jade Dandurand, University of Georgia, (January 2023 – present)

Kassidy Hogan, University of Georgia, (January 2023 – present)

Luyu Zhang, University of Georgia (January 2023 – present)

*Other students*

Thom Voorn 2007-8, Faculty of Earth and Life Sciences, Vrije Universiteit, Amsterdam, Masters Thesis Project: “Correlation of executive/processing speed with transcallosal frontal white matter and cingulum bundles in CADASIL patients and healthy controls.”  
Sean Boyle, 2009, Northeastern University, undergraduate extern.  
Natalie Burrows 2009, University of Rhode Island, undergraduate intern.  
Tanja Su 2010, Faculty of Earth and Life Sciences, Vrije Universiteit, Amsterdam, Masters Thesis Project: “Assessment of myelin integrity in Alzheimer’s disease.”  
Zachary Wicks 2011, University of Rhode Island, undergraduate intern.  
Steven vanHuiden 2012, Faculty of Earth and Life Sciences, Vrije Universiteit, Amsterdam, Masters Thesis Project: “Myelin integrity and radial diffusivity in white matter in Alzheimer’s disease.”  
Samantha Curran, Imaging research assistant (volunteer), Roger Williams University (2012 – 2013)  
Jordan Bernard, Psychometric research assistant (volunteer), Providence College (2017 – 2018)

**University of Georgia** (*begins 08/01/2022*)

*Courses Taught*

|            |                               |
|------------|-------------------------------|
| GRNT 3400E | Cognition and the Aging Brain |
| GRNT 7400E | Cognitive Health and Aging    |
| GRNT 8010  | Gerontology Practice          |
| GRNT 4970R | Undergraduate Research II     |
| GRNT 4980R | Undergraduate Research III    |
| PSYC 8500  | Clinical Staffing Procedures  |

*Invited Guest Lecturer*

|           |   |
|-----------|---|
| PSYC 8550 | Neuropsychological Assessment (x3, Spring 2023) |
|-----------|---|

*Undergraduate Research Students*

Nicholas Gary Myers, *Dementia diagnosis and care in rural Georgia: challenges and impacts on primary care providers; Cognitive Screening Guidelines for Primary Care Providers*  
University of Georgia, (January 2023 – present)  
Sophie Elizabeth Slyman, *Dementia diagnosis and care in rural Georgia: challenges and impacts on primary care providers; Cognitive Screening Guidelines for Primary Care Providers*  
University of Georgia, (January 2023 – present)  
Anam Fatima, *Choroid Plexus Imaging for Early Detection of Alzheimer’s Disease*, University of Georgia, (August 2023 - present)  
Caleb Lindman, *Health Literacy in Rural Communities* University of Georgia, (August 2023 - present)  
Emma Martin, *Health Literacy in Rural Communities* University of Georgia, (August 2023 - present)  
Evan Cain, *Rural Outreach to Promote Health Brain Aging*, University of Georgia (August 2023 – present)

*University of Georgia/Augusta University Partnership Research Students*

Sarah Stay *Dementia diagnosis and care in rural Georgia: challenges and impacts on primary care providers*. Summer 2023

*Postdoctoral Mentorship*

Anita Reina Ph.D. *Mind Your Heart: A diet behavior program tailored to the sociocultural relevance of rural Georgians’ health needs* Grant Proposal: Robert Wood Johnson Foundation

Correia, S

*Faculty Mentorship*

Jenny Denk Stull, Hodgson School of Music

–UGA Presidential Seed Grant on Music Based Intervention for Reducing Stress in Dementia Caregivers

-- R34 proposal on Music Based Interventions for Reducing Stress in Dementia Caregivers (NCCIH)

| <i>Doctoral Students</i> (Dissertation Committee Member unless otherwise noted): |                  |   |                                  |
|--|------------------|---|----------------------------------|
| Student  | Department       | Dissertation Title/Topic  | Status                           |
| Britni Suprenant   | Psychology (PhD) | Impact of Default Mode Network Functional Connectivity, Blood Glucose, and Race on the Relationship between Age and Verbal Episodic Memory in an Older Adult Sample | Proposed Successfully 10/10/2023 |
| Heide Sarles-Whittlesey  | Psychology (PhD) | Border Zone Perfusion: Contribution to Cognition in Health Aging  | Proposed Successfully 10/13/2023 |

| <i>Masters Students</i> (Dissertation Committee Member unless otherwise noted): |                  |  |                                  |
|---|------------------|--|----------------------------------|
| Student   | Department       | Dissertation Title/Topic   | Status                           |
| Jade Dandurand  | Psychology (PhD) | Cognitive Flexibility as a Mechanism for Cognitive Processing Speed Changes Following a Piano Training Intervention in Older Adults at Risk for Dementia | Defended Successfully 06/28/2023 |
| Holly Fleischmann   | Psychology (PhD) | TBA  | To be proposed December 2023     |
| Kassidy Hogan   | Psychology (PhD) | TBA  | To be proposed Spring 2024       |

| <i>Doctoral Comprehensive Exams Committees:</i> |                  |   |                                  |
|---|------------------|---|----------------------------------|
| Student   | Department       | Topic                                   | Status                           |
| Jade Dandurand                                  | Psychology (PhD) | Clinical Psychology Comprehensive Exams | Defended Successfully 09/27/2023 |
| Holly Fleischmann                               | Psychology (PhD) | Clinical Psychology Comprehensive Exams | To be proposed December 2023     |
| Kassidy Hogan                                   | Psychology (PhD) | Clinical Psychology Comprehensive Exams | To be proposed Spring 2024       |

*Professional and Community Service*

Evaluation Committee – *Mary Ann Johnson Scholarship*

*Faculty Search Committees*

Artificial Intelligence and Aging Faculty Search Committee (Spring 2023)

*Faculty Evaluation Committees*

Sarah Saint Hamilton, Faculty 3<sup>rd</sup>-year Review

REFERENCES

Tracy O’Leary-Tevyaw, PhD. Clinical Associate Professor of Psychiatry and Human Behavior, Alpert Medical School, Brown University. Chief Psychologist (Acting), Veterans Affairs Medical Center, 830 Chalkstone Ave. Providence, RI 02908 (401) 273-7100. [tracy\\_oleary@brown.edu](mailto:tracy_oleary@brown.edu).

Stephen Mernoff, M.D., Chief of Neurology, 830 Chalkstone Ave. Providence, RI 02908 (401) 273-7100. [stephen.mernoff@va.gov](mailto:stephen.mernoff@va.gov); [stephen\\_mernoff@brown.edu](mailto:stephen_mernoff@brown.edu)

Paul Malloy, Ph.D., Professor of Psychiatry and Human Behavior, Alpert Medical School, Brown University. Director of Neuropsychology, Butler Hospital, 345 Blackstone Blvd., Providence, RI 02906 (401) 455-6359. [pmalloy@butler.org](mailto:pmalloy@butler.org); [paul\\_malloy@brown.edu](mailto:paul_malloy@brown.edu).

William C. LaFrance Jr., M.D., M.P.H., Associate Professor of Psychiatry and Human Behavior, Professor of Neurology. Brown University. (401) 273-7100. [william\\_lafrance\\_jr@brown.edu](mailto:william_lafrance_jr@brown.edu)

Elizabeth McQuaid, Ph.D., ABPP, Professor, Director of Division of Psychology and Director of Clinical Psychology Training Programs in Department of Human Behavior; Professor of Pediatrics; Brown University. (401) 455-7573. [elizabeth\\_mcquaid@brown.edu](mailto:elizabeth_mcquaid@brown.edu).

Lisa M. Renzi-Hammond, Ph.D., Director, Institute of Gerontology, Co-Director, Cognitive Aging Research and Education (CARE) Center, University of Georgia. (706) 542-2539. [lrenzi@uga.edu](mailto:lrenzi@uga.edu)

Donald W. Scott, M.D., M.H.S., Medical Director, Cognitive Aging Research and Education (CARE) Center, University of Georgia. (706) 542-2539. [donscott@uga.edu](mailto:donscott@uga.edu)