

CURRICULUM VITAE

Aryn L. Harrison Bush, Ph.D.

University of South Florida
Department of Communication Sciences and Disorders
Optimal Aging & Brain Health Research Laboratory
Neurophysiology of Aging Laboratory
aryn@usf.edu
813.478.6914

EDUCATION

M.A./Ph.D. Program

Ph.D. – 2006 The University of Akron – Akron, OH
Cognitive Aging (GPA: 4.0)
Specialization: Cognitive Neuroscience, Neurophysiology, Mild Cognitive Impairment,
Alzheimer’s Disease

M.A. – 2003 The University of Akron – Akron, OH
Cognitive Psychology (GPA: 4.0)

Undergraduate

B.A. – 2001 The University of Akron – Akron, OH
Psychology (Summa Cum Laude)

ACADEMIC/PROFESSIONAL POSITIONS

University of South Florida, Tampa, FL

2023 – present **Site Coordinator**, Blood-Based Biomarker Laboratory, USF Preventing Alzheimer’s with
Cognitive Training (PACT) and National Centralized Repository for Alzheimer’s Disease
and Related Dementias (NCRAD) Clinical Trial collaboration, Polk County Site

2020 – present **Courtesy Faculty**, College of Behavioral and Community Sciences, School of Aging
Studies

2019 – present **Co-Director**, USF Optimal Aging & Brain Health Research Laboratory

2018 – present **Co-Investigator**, USF Preventing Alzheimer’s with Cognitive Training (PACT) Clinical
Trial

2018 – present **Site Supervisor**, USF Preventing Alzheimer’s with Cognitive Training (PACT) Clinical
Trial, Polk County, FL

2018 – present **Research Assistant Professor**, College of Behavioral and Community Sciences,
Department of Communication Sciences and Disorders

2015 – 2018 **Courtesy Faculty**, College of Behavioral and Community Sciences, School of Aging
Studies

2015 – 2016 **Research Assistant Professor**, College of Behavioral and Community Sciences, School
of Aging Studies

2014 – present **Associate Member**, University of South Florida Health Byrd Alzheimer’s Institute

2013 – present **Co-Investigator**, University of South Florida Neurophysiology of Aging Laboratory

2013 – 2018 **Courtesy Faculty**, Communication Sciences and Disorders

- 2013 – 2023 *Co-Investigator*, University of South Florida Health, Morsani College of Medicine, Psychiatry and Behavioral Neurosciences, Cognitive Aging Laboratory
- 2012 – 2014 *Assistant Professor*, College of Behavioral and Community Sciences, School of Aging Studies
- 2006 – 2012 *Courtesy Faculty*, College of Behavioral and Community Sciences, School of Aging Studies

Reliance Health Network: Reliance Medical Centers (Lakeland/Winter Haven/Tampa)

- 2019 – 2023 *Vice President*, Translational Science
- 2019 – 2023 *Director*, Brain Health and Cognition

University of South Florida, Lakeland, FL

- 2011 – 2012 *Assistant Professor*, College of Human and Social Sciences
- 2010 – 2012 *Co-Director*, University of South Florida Polytechnic Cognitive Neurophysiology Laboratory
- 2010 – 2011 *Instructor*, College of Human and Social Sciences
- 2008 – 2010 *Visiting Instructor*, Division of Applied Arts and Sciences
- 2007 – 2008 *Adjunct Faculty*, Division of Applied Arts and Sciences
- 2006 – 2010 *Director of Dementia Initiatives*, University of South Florida Rath Senior ConNEXTions and Education Center

HONORS AND AWARDS

- Spring 2024 *Primary Research Mentor*, University of South Florida Undergraduate Research Assistantship Award (Student: Anthony Lister)
- Fall 2023 *Primary Research Mentor*, University of South Florida Undergraduate Research Assistantship Award (Student: Anthony Lister)
- Summer 2023 *Primary Research Mentor*, University of South Florida Undergraduate Research Assistantship Award (Student: Anthony Lister)
- 2015 *Primary Research Co-Mentor*, University of South Florida Undergraduate Research in Physiology Award (Student: Anthony Asta)
- 2014 *Primary Research Co-Mentor*, American Academy of Audiology James Jerger Award for Excellence in Student Research (Student: Brandon Fluegel)
- 2013 Listed as one of the *Top 25 Psychology Professors in Florida* by OnlineSchoolsFlorida.com
- 2013 University of South Florida Student Government Fall 2013 Catered Classroom
- 2012 Outstanding Faculty Award 2011 – 2012, University of South Florida
- 2011 Exemplary Professor Certificate 2011 – 2012, USF Student Government
- 2011 USF CES Scholarship, Las Vegas, Nevada
- 2011 University of South Florida Student Government Fall 2011 Catered Classroom
- 2010 Outstanding Faculty Award 2009 – 2010, University of South Florida
- 2002 – 2006 Chancellor’s List, The University of Akron, Akron, OH
- 1999 – 2001 National Dean’s List
- 1999 Inducted: Phi Sigma Alpha Scholastic Honorary of the Buchtel College of Arts and Sciences, The University of Akron, Akron, OH
- 1999 Inducted: Golden Key National Honor Society
- 1998 Inducted: Psi Chi Psychology Honor Society
- 1997 Inducted: Phi Eta Sigma National Honor Society
- 1996 – 2001 Dean’s List, The University of Akron, Akron, OH

RESEARCH EXPERIENCE

The University of Akron, Akron, OH

- 2001 – 2002 *Graduate Research Assistant*, Department of Psychology, The University of Akron, Akron, OH. Area of Investigation: Visual Attention/Psychological Refractory Period
- 2001 – 2002 *Graduate Research Assistant*, Department of Psychology, The University of Akron, Akron, OH. Area of Investigation: Time-of-Day Effects on Cognition
- 2000 *Research Assistant*, Department of Psychology, The University of Akron, Akron, OH
Undergraduate Faculty Advisor: Jan D. Yoder, Ph.D.
- 1999 *Research Assistant*, Department of Psychology, The University of Akron, Akron, OH
Undergraduate Faculty Advisor: Paul E. Levy, Ph.D.

REFEREED PUBLICATIONS

*Denotes student author

Published Manuscripts

- Bell, K. L., Lister, J. J., Conter, R., **Harrison Bush, A. L.**, O'Brien, J. L. (2021). Cognitive event-related potential responses differentiate older adults with and without probable mild cognitive impairment. *Experimental Aging Research*, doi: 10.1080/0361073X.2020.1861838.
- *Sadeq, N. A., *Valdés, E. G., **Harrison Bush, A. L.**, & Anzel, R. (2018). The role of personality in a regular cognitive monitoring program. *Alzheimer's Disease & Associated Disorders*, 32(3), 226-231. doi: 10.1097/WAD.0000000000000236.
- Edwards, J. D., Lister, J. J., *Elias, M. N., *Tetlow, A. M., *Sardina, A. L., *Sadeq, N. A., *Brandino, A. D. & **Harrison Bush, A. L.** (2017). Auditory processing of older adults with probable mild cognitive impairment. *Journal of Speech, Language, and Hearing Research*, 60, 1427-1435. doi: 10.1044/2016_JSLHR-H-16-0066.
- Lister, J. J., **Harrison Bush, A. L.**, Anzel, R., *Matthews, C. R., & Edwards, J. D. (2016). Cortical auditory evoked responses of older adults with and without mild cognitive impairment. *Clinical Neurophysiology*, 127, 1279-1287. doi: 10.1016/j.clinph.2015.11.007.
- *Valdés, E. G., Anzel, R., Lister, J. J., Gamaldo, A., **Harrison Bush, A. L.**, & Edwards, J. D. (2016). The efficacy of cognitive speed of processing training among older adults with psychometrically-defined mild cognitive impairment. *Alzheimer's & Dementia: The Journal of the Alzheimer's Association*, 12(7), 426-427. <https://doi.org/10.1016/j.jalz.2016.06.812>.
- *Valdés, E. G., *Sadeq, N. A., **Harrison Bush, A. L.**, Morgan, D., & Anzel, R. (2016). Regular cognitive self-monitoring in community-dwelling older adults using an internet-based tool. *Journal of Clinical and Experimental Neuropsychology*, 38(9), 1026-1037. doi: 10.1080/13803395.2016.1186155.
- Harrison Bush, A. L.**, Lister, J. J., Lin, F. R., Betz, J., & Edwards, J. D. (2015). Peripheral hearing and cognition: Evidence from the Staying Keen in Later Life (SKILL) study. *Ear and Hearing*, 36(4), 395-407. doi: 10.1097/AUD.0000000000000142.
- Allen, P. A., Grabbe, J., McCarthy, A., **Harrison Bush, A. L.**, & Wallace, B. (2008). The early bird does not get the worm: Time-of-day effects on college students' basic cognitive processing. *The American Journal of Psychology*, 121(4), 551-564. PMID: 19105578.

Harrison Bush, A. L., Allen, P. A., Kaut, K. P., & Ogrocki, P. K. (2007). Influence of mild cognitive impairment on visual word recognition. *Aging, Neuropsychology, and Cognition* 14(4), 329-352. PMID: 17612812.

Invited Manuscripts

Fulton, S. E., Lister, J. J., **Harrison Bush, A. L.**, Edwards, J. D., & Andel, R. (2015). Mechanisms of the hearing–cognition relationship. In *Seminars in Hearing* (Vol. 36, No. 03, pp. 140-149). Thieme Medical Publishers. doi: 10.1055/s-0035-1555117.

Invited Articles

Lister, J.J., Harrison Bush, A.L., & O'Brien, J.L. (2019). Recognizing Cognitive Impairment During Hearing Care. *ASHA Leader*, 20 - 23. doi: <https://doi.org/10.1044/leader.AEA.24072019.20>

White Papers, Manuals, and Other Documents

Thompson, S., & **Harrison Bush, A. L.** (2010). Beginning Alzheimer’s Support and Education (BASE) Facilitator Manual & Companion Workbook. Lakeland, FL: Genie Publishing.

Submitted for Publication

Sigismondo, F. A., Jones Lister, J., Conover, L., & Harrison Bush, A. (under review). The relationship among hearing loss, depression, and loneliness/social isolation. *Journal of the American Academy of Audiology*.

GRANTS/FUNDING/SUPPORT

MPIs – Multiple Primary Investigators

Co-Is – Co-Investigators

O’Brien, J. L. (PI), Lister, J. J., **Harrison Bush, A. L.**, Plassman, B., Woods, A. J., ...& Nicholson, J. (Co-Is). Cognitive Training to Reduce the Incidence of Cognitive Impairment in Older Adults. (R01AG070349) National Institute of Health - National Institute on Aging: \$45,362,843.00
Funded (February 2021 – February 2025)

O’Brien, J. L. (PI), Lister, J. J., **Harrison Bush, A. L.**, Plassman, B., Woods, A. J., ...& Nicholson, J. (Co-Is). Cognitive Training to Reduce the Incidence of Cognitive Impairment in Older Adults: Blood-Based Biomarker Supplement. (AG070349) National Institute of Health – National Institute on Aging: \$3,374,990.00

Lister, J. J. (PI), **Harrison Bush, A. L.**, O’Brien, J., Julbe-Delgado, D., & Sadeq, N. (Co-Is). Early Indicators of Cognitive Change.

Cogstate Academic Research Support Program Award

Gift of Service – Cogstate Brain Health Assessment Licenses (2020 – Present)

Edwards, J. D., Morgan, D. (MPIs), Andel, R., Lister, J. J., O’Brien, J., Hudak, E., Ji, M., & **Harrison Bush, A. L.** (Co-Is). Preventing Alzheimer’s Disease with Cognitive Training (PACT): A Randomized Clinical Trial of Speed of Processing Training for the Prevention of Mild Cognitive Impairment or Dementia.

National Institute of Health - National Institute of Aging: \$2,701,645.00

Funded (December 2018 – December 2019)

Andel, R., & **Harrison Bush, A. L.** (MPIs). Computer-Based Assessment of Cognition in Community-Dwelling, Cognitively Normal Older Adults Using the Cogstate Brief Battery.
University of South Florida Health Byrd Alzheimer's Research Institute
Funded (July 2015 – July 2016; grant renewal)

Lister, J. J., **Harrison Bush, A. L.** (MPIs), Edwards, J. D., & Andel, R. (Co-Is). Hearing & Cognition: Auditory ERP Biomarkers for Early Cognitive Decline.
University of South Florida Health Byrd Alzheimer's Research Institute
Funded (July 2015 - July 2016; grant renewal)

Andel, R., & **Harrison Bush, A. L.** (MPIs). Computer-Based Assessment of Cognition in Community-Dwelling, Cognitively Normal Older Adults Using the Cogstate Brief Battery.
University of South Florida Health Byrd Alzheimer's Research Institute
Funded (July 2014 – July 2015; grant renewal)

Lister, J. J., **Harrison Bush, A. L.** (MPIs), Edwards, J. D., & Andel, R. (Co-Is). Hearing & Cognition: Auditory ERP Biomarkers for Early Cognitive Decline.
University of South Florida Health Byrd Alzheimer's Research Institute
Funded (July 2014 – July 2015; grant renewal)

Gamaldo, A., Andel, R. (MPIs), & **Harrison Bush, A. L.** (Co-I). Computerized Cognitive Batteries in Older Blacks.
University of South Florida Health Byrd Alzheimer's Research Institute
Funded (July 2014 – July 2015)

Andel, R., & **Harrison Bush, A. L.** (MPIs). Computer-Based Assessment of Cognition in Community-Dwelling, Cognitively Normal Older Adults Using the Cogstate Brief Battery.
University of South Florida Health Byrd Alzheimer's Research Institute
Funded (July 2013 – July 2014)

Lister, J. J., **Harrison Bush, A. L.** (MPIs), Edwards, J. D., & Andel, R. (Co-Is). Hearing & Cognition: Auditory ERP Biomarkers for Early Cognitive Decline.
University of South Florida Health Byrd Alzheimer's Research Institute
Funded (July 2013 – July 2014)

Janke, M., **Harrison Bush, A. L.** (MPIs), Hobbs, K., & Martinez, S. (Student Co-Is). Multisensory Environments for Individuals with Dementia.
University of South Florida Polytechnic Challenge Grant.
Funded (February 2012 – February 2013)

Armitage, W. (PI), **Harrison Bush, A. L.**, Ejnioui, A., Fehr, R., Larsen, J., Plank, R., Weitzenfeld, A., Laniel, M., DuMas, P., & Wright, N. (Co-Is). Intra-Campus Individual Transport (ICIT) System.
University of South Florida Polytechnic Innovation Challenge Grant.
Funded (October 2010 – October 2011)

CONFERENCE PRESENTATIONS

*Denotes student author

Invited Keynote Presentations

Lister, J. J., **Harrison Bush, A. L.**, Edwards, J. D., & Ansel, R. (2015). The Hearing-Cognition Relationship. *New Jersey Academy of Audiology Conference*, Newark, NJ.

Lister, J. J., **Harrison Bush, A. L.**, Edwards, J. D., & Ansel, R. (2015). Temporal Resolution Across the Lifespan. *New Jersey Academy of Audiology Conference*, Newark, NJ.

Invited Presentations

Lister, J. J., *Julbe-Delgado, Diana, **Harrison Bush, A. L.**, & O'Brien, J. (2019). Hearing and Cognition: Relationships and Implications for Practice. *American Speech-Language Hearing Association Convention*, Orlando, FL.

Lister, J. J., **Harrison Bush, A. L.**, Edwards, J. D., & Ansel, R. (2014). The Hearing-Cognition Relationship: A Comprehensive Prospective Study. *American Speech-Language Hearing Association Convention*, Orlando, FL.

Lister, J. J., **Harrison Bush, A. L.**, Edwards, J. D., & Ansel, R. (2014). The Hearing-Cognition Relationship and Auditory (Brain) Training. American Academy of Audiology, eAudiology Web Seminar.

Lister, J. J., **Harrison Bush, A. L.**, Edwards, J. D., & Ansel, R. (2014). The Hearing-Cognition Relationship and Auditory (Brain) Training. *Florida Academy of Audiology Conference*, Ft. Myers, FL.

Presentations

Lister, J. J., **Harrison Bush, A. L.**, Conover, L., Lister, A., & O'Brien, J. L. (2024). Left vs. Right Ear Auditory Processing: Predicting Cognitive Performance. *World Congress of Audiology*, Paris, France.

Lister, J. J., O'Brien, J., **Harrison Bush, A. L.**, & Edwards, J. D. (2022). Auditory Behavior of Older Adults With and Without Mild Cognitive Impairment: Differences in the Right Ear Advantage. *American Speech Language Hearing Association Convention*, New Orleans, LA.

Lister, J. J., **Harrison Bush, A. L.**, *Matthews, C. R., *Conter, R., & Edwards, J. D. (2016). Cortical Auditory Evoked Potentials: Indicators of Early-Stage Cognitive Impairment. *American Speech Language Hearing Association Convention*, Philadelphia, PA.

Janke, M. C., & **Harrison Bush, A. L.** (2012, September). Use of Non-Pharmacological Interventions in Adults with Dementia and Their Care Partners. Presented at the *North Carolina Recreational Therapy Association 2012 Annual Conference*, Hickory, NC.

Harrison Bush, A. L., & Thompson, S. (2010). Beginning Alzheimer's Support and Education (BASE): An Early-Stage Intervention for Individuals Directly or Indirectly Affected by Alzheimer's Disease and Related Dementias. Presented at the *Journey Through Aging Conference*, Lakeland, FL.

Harrison Bush, A. L., & Thompson, S. (2010). Beginning Alzheimer's Support and Education (BASE): A Non-Pharmacological, Multi-Modal Pilot Intervention for Individuals Directly or Indirectly Affected by Early-Stage Alzheimer's Disease and Related Dementias. Presented at the *Florida Conference on Aging*, Orlando, FL.

Marshall, R. M., **Harrison Bush, A. L.**, & Armitage, W. (2010). Electrophysiology Laboratory for the Evaluation and Treatment of Cognitive Impairment in Children and Adults. Presented at the 2nd annual *Polytechnic Summit*, Menomonee, WI.

Posters

Award Recipients

Asta, A., Lister, J. J., **Harrison Bush, A. L.**, Anandel, R., Matthews, C. R., & Edwards, J. D. (2016). Cortical Auditory Evoked Responses of Older Adults with and without Mild Cognitive Impairment. Poster presented at the *University of South Florida 2015 Undergraduate Research and Arts Colloquium*, Tampa, FL.

(Recipient of the 2015 University of South Florida Undergraduate Research in Physiology Award)

*Fluegel, B., **Harrison Bush, A. L.**, *Matthews, C., Lister, J. J., Anandel, R., & Edwards, J. D. (2013). Neurophysiological indicators of early-stage cognitive decline. Poster presented at the *American Academy of Audiology Conference 2014*, Orlando, FL.

(Recipient of the American Academy of Audiology James Jerger Award for Excellence in Student Research)

General

Lister, J. J., **Harrison Bush, A. L.**, Conover, L., Sadeq, N., & O'Brien, J. (2023). Does Hearing Loss Moderate the Relationship Between Cognition and Depression? *Gerontological Society of America (GSA) 2023 Annual Scientific Meeting*, Tampa, FL.

Morgan, D., **Harrison Bush, A. L.**, Houseknecht, A., O'Brien, J., & Edwards, J. D. (2019). Study Design for Preventing Alzheimer's with Cognitive Training: The PACT Trial. *Clinical Trials on Alzheimer's Disease Conference*, San Diego, CA.

*Bell, K., Lister, J. J., O'Brien, J., **Harrison Bush, A. L.**, & Conter, R. (2019). P3b Responses in Older Adults with Probable Mild Cognitive Impairment. *American Academy of Audiology Conference*, Columbus, OH.

*Sadeq, N. A., Valdés, E. G., **Harrison Bush, A. L.**, & Anandel, R. (2018). Implementing Monthly Cognitive Monitoring Among Older Adults: Lessons from a One-Year Pilot Study. *Gerontological Society of America 2018 Annual Scientific Meeting*, Boston, MA.

*Sadeq, N. A., *Valdés, E. G., **Harrison Bush, A. L.**, & Anandel, R. (2018). The Role of Personality in a Regular Cognitive Monitoring Program. Poster presented at the *Cognitive Aging Conference*, Atlanta, GA.

*Lowenberg, A., Lister, J. J., & **Harrison Bush, A. L.** (2017). Reliability of the P3b ERP in Older Adults With and Without Mild Cognitive Impairment. *American Academy of Audiology Conference*, Indianapolis, IN.

*Tiamiyu, K., Lister, J. J., & **Harrison Bush, A. L.**, Anandel, R., Steiner, R., & Edwards, J. D. (2017). The Relationship Between Memory and Auditory-Evoked Potentials in Older Adults. Poster presented at the *University of South Florida 2017 Undergraduate Research and Arts Colloquium*, Tampa, FL.

*Valdes, E. G., Anandel, R., Lister, J. J., Gamaldo, A. A., **Harrison Bush, A. L.**, & Edwards, J. D. (2016). The Efficacy of Cognitive Speed of Processing Training Among Older Adults with Psychometrically Defined Mild Cognitive Impairment. *Alzheimer's Association International Conference*, Toronto, ON

*Matthews, C. R., Lister, J. J., **Harrison Bush, A. L.**, & Edwards, J. D. (2015). The Fronto-Polar N1 Event-Related Potential of Older Adults with and Without Probable Mild Cognitive Impairment. *Aging and Speech Communication: An International and Interdisciplinary Conference*, Bloomington, IN.

- *Sadeq, N. A., Lister, J. J., **Harrison Bush, A. L.**, *Matthews, C. R., Andel, R., & Edwards, J. D. (2015). Cortical Auditory Evoked Responses in Mild Cognitive Impairment. Poster presented at the *Alzheimer's Association International Conference*, Washington, D.C.
- *Asta, A., Lister, J. J., *Brandino, A. D., *Clifton, G. K., O'Brien, J. L., Eddins, A. C., **Harrison Bush, A. L.**, Andel, R., & Edwards, J. D. (2015). The Effects of Brain Fitness™ Auditory-Based Cognitive Training Program on ERP Component P3b in Older Adults. *Columbia University Research Symposium*, New York City, NY.
- *Valdes, E. G., *Sadeq, N. A., **Harrison Bush, A. L.**, Morgan, D., *Patel, R., *Crowley, E. M., & Andel, R. (2015). Home-Based Monthly Memory Monitoring: Moving Toward Continuous Cognitive Self-Assessment. Poster presented at the *Alzheimer's Association International Conference*, Washington, D.C.
- *Valdes, E. G., *Sadeq, N. A., **Harrison Bush, A. L.**, Morgan, D., *Patel, R., *Crowley, E. M., & Andel, R. (2015). Home-Based Monthly Memory Monitoring: Moving Toward Continuous Cognitive Self-Assessment. Poster presented at the *Gerontological Society of America 2015 Annual Scientific Meeting*, Orlando, FL.
- *Sadeq, N. A., *Valdes, E. G., **Harrison Bush, A. L.**, & Andel, R. (2015). Personality and Cognitive Performance on the Cogstate Brief Battery. Poster presented at the *Gerontological Society of America 2015 Annual Scientific Meeting*, Orlando, FL.
- *Elias, M. N., *Brandino, A. D., Edwards, J. D., Lister, J. J., **Harrison Bush, A. L.**, *Tetlow, A. M., *Sadeq, N. A., & *Sardina, A. L. (2015). Central Auditory Processing and Mild Cognitive Impairment in Older Adults. Poster presented at the *Gerontological Society of America Aging 2015 Annual Scientific Meeting*, Orlando, FL.
- *Fluegel, B., **Harrison Bush, A. L.**, *Matthews, C., Lister, J. J., Andel, R., & Edwards, J. D. (2013). Neurophysiological indicators of early-stage cognitive decline. Poster presented at the *University of South Florida 2014 Undergraduate Research Symposium*, Tampa, FL.
- *Matthews, C., **Harrison Bush, A. L.**, Lister, J. J., & Edwards, J. D. (2013). Peripheral hearing loss and cognition: Evidence from the Staying Keen in Later Life (SKILL) study. Poster presented at the *American Academy of Audiology Conference 2014*, Orlando, FL.
- *Fluegel, B., **Harrison Bush, A. L.**, *Matthews, C., Lister, J. J., Andel, R., & Edwards, J. D. (2013). Neurophysiological indicators of early-stage cognitive decline. Poster presented at the *Cognitive Aging Conference 2014*, Atlanta, GA.
- *Brandino, A., *Matthews, C., *Valdés, E. G., Lister, J. J., **Harrison Bush, A. L.**, Andel, R., & Edwards, J. D. (2013). Central and peripheral auditory processing in individuals with and without mild cognitive impairment. Poster presented at the *American Academy of Audiology Conference 2014*, Orlando, FL.
- *Fluegel, B., Lister, J. J., *Brandino, A., *Clifton, G. K., O'Brien, J. L., **Harrison Bush, A. L.**, Andel, R., & Edwards, J. D. (2014). The effect of Brain Fitness™ auditory-based cognitive training program on ERP component P3b in older adults. Poster presented at the *Cognitive Aging Conference 2014*, Atlanta, GA.
- *Valdés, E. G., *Matthews, C., *Brandino, A., Lister, J., Andel, R., **Harrison Bush, A. L.**, & Edwards, J. D. (2014). Central auditory processing in older adults with and without mild cognitive impairment. Poster presented at the *Cognitive Aging Conference 2014*, Atlanta, GA.
- Harrison Bush, A. L.**, Janke, M. C., *Hobbs, K., *Todd, N., *Ervolina, A., *Kittrell, M. & *Langford, L. (2012). Chronic disease self-management in persons with dementia. Presented at the *USF in Lakeland Scholarly Activities Day*, Lakeland, FL.

Janke, M. C., **Harrison Bush, A. L.**, *Hobbs, K., & *Martinez, S. (2012). Effects of multisensory environments on dementia symptomology. Presented at the *USF in Lakeland Scholarly Activities Day*, Lakeland, FL.

Ejnioui, A., **Harrison Bush, A. L.**, & Marshall, R. M. (2011). Cognitive conditioning of speed of processing and working memory via mobile technology. Presented at the 3rd annual *Polytechnic Summit*, Marietta, GA.

Harrison Bush, A. L., Marshall, R. M., & Armitage, W. (2011). USFP Applied Neuroscience and Cognitive Electrophysiology Laboratory. Presented at USF Polytechnic *Scholarly Activities Day*, Lakeland, FL.

Armitage, W., **Harrison Bush, A. L.**, Ejnioui, A., Fehr, R., Larsen, J., Plank, R., Weitzenfeld, A., Laniel, M., DuMas, P., & *Wright, N. (2011). Intra-Campus Individual Transport (ICIT) System. Presented at USF Polytechnic *Scholarly Activities Day*, Lakeland, FL.

Armitage, W., **Harrison Bush, A. L.**, Ejnioui, A., Fehr, R., Larsen, J., Plank, R., Weitzenfeld, A., Laniel, M., DuMas, P., & *Wright, N. (2011). Intra-Campus Individual Transport (ICIT) System. Presented at the USF Polytechnic *Engineering EXPO*, Lakeland, FL.

Harrison Bush, A. L., & Thompson, S. (2010). Beginning Alzheimer's Support and Education (BASE): A non-pharmacological, multi-dimensional pilot intervention for individuals directly or indirectly affected by early-stage Alzheimer's disease and related dementias. Poster presented at the USF Polytechnic *Women's History Month Poster Session*, Lakeland, FL.

Harrison Bush, A. L., & Thompson, S. (2009). Beginning Alzheimer's Support and Education (BASE): A non-pharmacological, multi-dimensional pilot intervention for individuals directly or indirectly affected by early-stage Alzheimer's disease and related dementias. Presented at the *Florida Conference on Aging*, St. Petersburg, FL.

GRADUATE STUDENT COMMITTEES

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| Camdyn LaMotta | <i>Committee Member</i> , University of South Florida Communication Sciences and Disorders (Au.D.) |
| Kristina Mullins | <i>Committee Member</i> , University of South Florida Communication Sciences and Disorders (Au.D.) |
| Frank Sigismondo | <i>Committee Member</i> , University of South Florida Communication Sciences and Disorders (Au.D.) |
| Nasreen Sadeq | <i>Committee Member</i> , University of South Florida School of Aging Studies (Ph.D.) |
| Allison Lowenberg | <i>Co-Chair</i> , University of South Florida Communication Sciences and Disorders (Au.D.) |
| Rachel Conter | <i>Co-Chair</i> , University of South Florida Communication Sciences and Disorders (Au.D.) |
| Courtney Matthews | <i>Co-Chair</i> , University of South Florida Communication Sciences and Disorders (Au.D.) |
| Amanda Brandino | <i>Co-Chair</i> , University of South Florida Communication Sciences and Disorders (Au.D.) |
| Elise Valdés | <i>Committee Member</i> , University of South Florida School of Aging Studies (Ph.D.) |
| Carol Peronto | <i>Committee Member</i> , University of South Florida School of Aging Studies (Ph.D.) |
| Glenna Brewster | <i>Co-Mentor</i> , University of South Florida College of Nursing, Patricia G. Archbold Predoctoral Scholar Award Recipient (Ph.D.) |

GRADUATE STUDENT RESEARCH SUPERVISION

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| Kaley Liang | Optimal Aging & Brain Health Laboratory, Summer 2022 – Fall 2022. |
| Frank Sigismondo | Neurophysiology of Aging/Optimal Aging & Brain Health Laboratories, 2022 – 2023. |
| Kerri Murphy | Neurophysiology of Aging Laboratory, 2021 – present. |

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| Rachel Conter | Neurophysiology of Aging Laboratory, 2014 – 2015. |
| Allison Lowenberg | Neurophysiology of Aging Laboratory, 2015 – 2016. |
| Maya Elias | Neurophysiology of Aging Laboratory, 2014 –2015. |
| Courtney Matthews | Neurophysiology of Aging Laboratory, 2013 – 2015. |
| Peter Hutchison | Neurophysiology of Aging Laboratory, 2014. |
| Amanda Brandino | Neurophysiology of Aging Laboratory, 2013 –2014. |
| Nasreen Sadeq | Cognitive Monitoring (CogState) Research Program, 2014 – 2016. |
| Elise Valdés | Cognitive Monitoring (CogState) Research Program, 2013 – 2016. |

UNDERGRADUATE HONORS THESIS SUPERVISION

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| Asmee Shitooley | <i>Co-Advisor</i> , Honors Undergraduate Research, University of South Florida, Spring 2024 – Fall 2024. |
| Hamsa Ramanujam | <i>Co-Advisor</i> , Honors Undergraduate Research, University of South Florida, Fall 2009 – Spring 2010. |
| Sanju Wadhwa | <i>Co-Advisor</i> , Honors Undergraduate Research, University of South Florida, Fall 2009 – Spring 2010. |
| Nishal Patel | <i>Co-Advisor</i> , Honors Undergraduate Research, University of South Florida, Fall 2009 – Spring 2010. |

UNDERGRADUATE STUDENT RESEARCH SUPERVISION

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| Chloe Strickland | Optimal Aging & Brain Health Laboratory, Summer 2022 – Fall 2022. |
| Anthony Lister, Jr. | Neurophysiology of Aging Laboratory, Summer/Fall 2021, Summer 2023. |
| Khadijah Tiamiyu | Neurophysiology of Aging Laboratory, Summer 2015 – Spring 2018. |
| Caroline Simmons | Neurophysiology of Aging Laboratory, Summer 2015. |
| Shivani Trivedi | Cogstate Research Project, Spring 2015 – Spring 2016. |
| Clairee Peterson | Cogstate Research Project, Spring 2015. |
| Elizabeth Crowley | Cogstate Research Project, Fall 2014 – Spring 2015. |
| Raahil Patel | Cogstate Research Project, Fall 2014. |
| Anthony Asta | Neurophysiology of Aging Laboratory, Fall 2014 – Spring 2016. |
| Ashley Acevedo | Neurophysiology of Aging Laboratory, Spring 2014 – Summer 2015. |
| Brandon Fluegel | Neurophysiology of Aging Laboratory, Fall 2013 – Spring 2014. |
| Nasreen Sadeq | Cogstate Research Project, Fall 2013 – Summer 2014. |
| Kelsey Harris | Neurophysiology of Aging Laboratory, Summer 2013 – Summer 2014. |
| Lia Nies | Neurophysiology of Aging Laboratory, Summer 2013 – Fall 2013. |
| Kayla Renaud | Winter Have Hospital Memory Clinic, <i>Multisensory Environments for Individuals with Dementia</i> , Spring 2013 – Spring 2014. |
| Sara Martinez | Winter Haven Hospital Memory Clinic, <i>Multisensory Environments for Individuals with Dementia</i> and <i>USFP Entrepreneurs Challenge Plus Grant Program Student Co-I</i> , Fall 2011 – Spring 2014. |
| Genevieve Roman | USFP Cognitive Neurophysiology Laboratory, Fall 2012 – Summer 2013. |
| Cynthia Canales | USFP Cognitive Neurophysiology Laboratory, Fall 2012 – Spring 2013. |
| Samantha Ferguson | USFP Cognitive Neurophysiology Laboratory, Summer 2012 – Summer 2013. |
| Stephanie Ross | USFP Cognitive Neurophysiology Laboratory, Fall 2012. |
| Amanda Keene | USFP Cognitive Neurophysiology Laboratory, Fall 2011 – Fall 2012. |
| Alyss Ervolina | USFP Cognitive Neurophysiology Laboratory, Fall 2011 – Spring 2012. |
| Kayla Hobbs | USFP Cognitive Neurophysiology Laboratory, <i>Living Healthy with Dementia, Brain Fitness</i> , and <i>USFP Entrepreneurs Challenge Plus Grant Program Student Co-I</i> , Summer 2011 – Fall 2012; Summer 2013. |
| Mary Kittrell | USFP Cognitive Neurophysiology Laboratory, Summer 2011 – Spring 2012. |

Lauren Langford USFP Cognitive Neurophysiology Laboratory, Summer 2011 – Spring 2012.
Nicole Todd USFP Cognitive Neurophysiology Laboratory, Summer 2011 – Spring 2012.
Shawn Alderman USFP Cognitive Neurophysiology Laboratory, Spring 2010 – Fall 2011.
Nathan Wright USFP, Intra-Campus Individual Transport, Fall 2010 – Spring 2011.

TEACHING EXPERIENCE

University of South Florida, Tampa, FL

Graduate:

GEY:6910 **Directed Research**, Multiple Sections (Summer 2013, 2014;
Fall 2014)
GEY:6901 **Directed Reading** (Fall 2014)

Undergraduate:

PSY:4931/GEY:4612 **Psychology of Aging** (Spring 2014; Fall 2014)
EXP:4680C **Cognitive Psychology** (Spring 2013; Fall 2013)
PSB:4004C **Physiological Psychology** (Fall 2012; Spring 2013; Fall 2013)
EXP:4104 **Sensory Processes** (Fall 2012)
PSY:4913 **Directed Study**, Multiple Sections (Fall 2012, 2013, 2015;
Spring 2013, 2014; Summer 2013)

University of South Florida, Lakeland, FL

PSB:4004C **Physiological Psychology** (Spring 2008; Summer 2009, 2010,
2011, 2012; Fall 2010, 2011)
EXP:4104 **Sensory Processes** (Fall 2008; Spring 2010, 2011, 2012)
EXP:4680C **Cognitive Psychology** (Fall 2008, 2009, 2010, 2011; Spring 2011,
2012)
GEY:3601 **Physical Changes and Aging** (Spring 2009)
SOP:4004 **Social Psychology** (Fall 2008, 2009; Spring 2010)
PSY:4931/GEY:4612 **Psychology of Aging** (Fall 2007)
CLP:4143 **Abnormal Psychology** (Fall 2007)
PSY:4913 **Directed Study** (Spring 2010, 2012; Summer 2011, 2012; Fall
2011)

The University of Akron, Akron, OH

Graduate Teaching Assistant

*Independent Instruction

*Honors Section: Introduction to Psychology (1 Course)
*Introduction to Psychology (6 Courses)

ACADEMIC SERVICE

USF System

2011 *Member*, University of South Florida System Faculty Council Ad Hoc Committee on System Programs and Curriculum

2011 *Member*, University of South Florida System Technology Standards Board
2010 – 2012 *Campus Representative*, University of South Florida System Faculty Council

University

2012 *Invited Panelist*, Polytechnic Panel: Faculty STEM Research Showcase. *PolySTEM Conference*, Lakeland, FL
2012 *Invited Panelist*, USF Enrollment Management Workshop, *Setting the Tone for Academic Success: Faculty Expectations In and Outside of the Classroom*
2011 University of South Florida Polytechnic Search Committee: ERDC Help Desk Analyst
2011 Annual USF Poly RoboBattle Volunteer
2010 – 2012 University of South Florida Polytechnic Center on Policy Analysis, Research and Evaluation (CPARE) Advisory Board
2010 – 2012 University of South Florida Polytechnic Faculty Senate Ad Hoc Committee on Student Assessment of Instruction (SAI)
2010 – 2011 University of South Florida Polytechnic Faculty Senate Ad Hoc Committee on Instructor Line Advancement
2010 – 2011 University of South Florida Polytechnic Service Learning Collaborative
2010 University of South Florida Polytechnic Annual Review Committee: Division of Applied Arts and Sciences
2010 University of South Florida Polytechnic, Polytechnic Summit Work Group
2010 University of South Florida Polytechnic Search Advisory Committee: Technology, Learning, and Innovation Program Planner Analyst
2010 *Invited Panelist*, University of South Florida Polytechnic, Young, Gifted, and Professional Panel Discussion
2009 – 2012 University of South Florida Polytechnic Faculty Senate Undergraduate Council
2009 – 2011 University of South Florida Polytechnic Faculty Technology Integration Institute (FTII)
2009 – 2011 University of South Florida Polytechnic Faculty Senate Division of Applied Arts and Sciences Representative
2009 – 2010 University of South Florida Polytechnic Faculty Retreat Steering Committee
2009 – 2010 University of South Florida Polytechnic Faculty Senate Ad Hoc Committee on Adjunct Concerns
2008 – 2009 University of South Florida Polytechnic Faculty Senate Committee for Technology in Instruction & Research Ad Hoc Subcommittee on E-Portfolios
2009 University of South Florida Polytechnic Search Advisory Committee: Statistical Analyst

College

2014 University of South Florida, College of Behavioral and Community Sciences, Ad Hoc Committee on Instructor Promotion Guidelines

Department/Division

2012 *Invited Panelist*, University of South Florida Polytechnic Psychology Club Graduate School Seminar
2011 – 2012 University of South Florida Polytechnic College of Human and Social Sciences Curriculum Committee
2011 *Invited Panelist*, University of South Florida Polytechnic Psychology Club Graduate School Seminar
2011 University of South Florida Polytechnic Search Committee: Chemistry
2011 University of South Florida Polytechnic Search Committee: Psychology (Industrial/Organizational Psychology)

- 2011 University of South Florida Polytechnic Search Committee: Psychology (Engineering Psychology)
- 2009 – 2013 University of South Florida Polytechnic Psychology Club Co-Advisor
- 2009 – 2010 University of South Florida Polytechnic Search Advisory Committee: Sociology
- 2009 – 2010 University of South Florida Polytechnic Search Advisory Committee: Criminology
- 2009 – 2010 University of South Florida Polytechnic Search Advisory Committee: Gerontology
- 2009 – 2010 University of South Florida Polytechnic Search Advisory Committee: Nutrition
- 2008 – 2010 University of South Florida Polytechnic Rath Senior ConNEXTions and Education Center Supervisor of Student Volunteers
- 2009 – 2010 University of South Florida Polytechnic Rath Senior ConNEXTions and Education Center Senior Scholars *Maintain Your Brain* Course Instructor
- 2010 University of South Florida Polytechnic Rath Center Brain Fitness Laboratory Supervisor
- 2001 – 2002 Cognitive Aging Planning Committee, The University of Akron, Akron, OH

Community/University Collaborative Programs

- 2015 – 2019 The Villages, FL.
Project: *Computer-Based Assessment of Cognition in Community-Dwelling, Cognitively Normal Older Adults Using the Cogstate Brief Battery*
- 2013 – 2019 The Estates at Carpenters, Lakeland, FL.
Project: *Computer-Based Assessment of Cognition in Community-Dwelling, Cognitively Normal Older Adults Using the Cogstate Brief Battery*
- 2013 – 2019 Florida Presbyterian Homes, Lakeland, FL.
Project: *Computer-Based Assessment of Cognition in Community-Dwelling, Cognitively Normal Older Adults Using the Cogstate Brief Battery*
- 2012 Winter Haven Hospital Memory Clinic *Multisensory Environment* Project
- 2011 *Facilitator*, Living Healthy Chronic Disease Self-Management Program, USF Polytechnic, Lakeland, FL (Fall)
- 2011 *Facilitator*, Living Healthy Chronic Disease Self-Management Program, USFP Applied Neuroscience & Cognitive Electrophysiology Lab, Winter Haven, FL (Summer)
- 2011 *Facilitator*, Living Healthy Chronic Disease Self-Management Program, Palm Terrace, Lakeland, FL (Winter)
- 2011 *Facilitator*, Beginning Alzheimer's Support and Education (BASE) V: University of South Florida Polytechnic, Lakeland, FL
- 2010 *Co-Facilitator*, At the Crossroads: Family Conversations about Alzheimer's Disease, Dementia & Driving, University of South Florida Polytechnic, Lakeland, FL. In partnership with the Alzheimer's Association – Florida Gulf Coast Chapter.
- 2010 *Facilitator*, Beginning Alzheimer's Support and Education (BASE) IV: University of South Florida Polytechnic, Lakeland, FL
- 2010 *Program Developer & Trainer*, Beginning Alzheimer's Support and Education (BASE) Program Facilitator Training Program: Alzheimer's Association – Florida Gulf Coast Chapter Program Specialists Representing 17 Counties
- 2010 *Consultant*, Transcending Limitations through Creativity (TLC) program
- 2009 – 2011 Central Florida Gifted and Talented Institute
- 2009 *Facilitator*, Beginning Alzheimer's Support and Education (BASE) III: Watson Clinic, Lakeland, FL
- 2009 – 2017 *Consultant*, Beyond BASE: Early-Stage Dementia Education and Support Group
- 2008 – 2010 *Program Facilitator*, Transcending Limitations through Creativity (TLC) program
- 2008 – 2010 *Facilitator*, Beyond BASE Online: Virtual Environment Providing Web-Based Support for BASE Alumni
- 2008 – 2009 *Facilitator*, Beyond BASE: Early-Stage Dementia Education and Support Group

- 2008 *Facilitator*, Beginning Alzheimer's Support and Education (BASE) II: University of South Florida Polytechnic, Lakeland, FL
- 2007 *Program Developer*, In partnership with the Alzheimer's Association Florida Gulf Coast Chapter: Beginning Alzheimer's Support and Education (BASE) program: Pilot Program
- 2007 *Program Developer*, In partnership with the Alzheimer's Association Florida Gulf Coast Chapter and the Arts Ensemble Healing Arts Center: Transcending Limitations through Creativity (TLC) program

PROFESSIONAL AND COMMUNITY SERVICE

Founding Partnerships

- 2012 *Founding Partner*, Winter Haven Hospital Memory Clinic

Board/Board Committee Memberships

- 2018 – 2020 Alzheimer's Association Florida Gulf Coast Chapter *Discoveries* Research Program Executive Advisory Board
- 2017 – present Stephanie Nicole Ross Foundation Board of Directors
- 2013 – 2015 *Chairperson*, Alzheimer's Association Florida Gulf Coast Chapter Board of Directors Program Committee
- 2011 – 2015 Winter Haven Hospital Memory Clinic Advisory Board
- 2010 – 2015 Alzheimer's Association Florida Gulf Coast Chapter Board of Directors
- 2010 – 2012 *Chairperson*, Alzheimer's Association Florida Gulf Coast Chapter Board of Directors Program Committee
- 2010 – 2011 Alzheimer's Association Florida Gulf Coast Chapter Board of Directors Development Committee
- 2007 – 2008 Esteem Music, Inc., Executive Advisory Board
- 2007 Prevent Alzheimer's Crisis (PAC) Executive Advisory Board

Invited Speaking Engagements

- 2023 Alzheimer's Association *Ask the Expert* Series: Brain Health.
- 2022 National Association of Retired Federal Employees, Polk County Chapter. *Annual Alzheimer's Research Update*.
- 2021 Alzheimer's Association *Ask the Expert* Series: Post-Acute Neurological Sequelae of SARS-CoV-2 Infection.
- 2021 National Association of Retired Federal Employees, Polk County Chapter. *Alzheimer's Disease and Other Dementias: The Science and Translation of Reducing Risk and Aging Well*.
- 2019 South Lakeland Rotary Club, Lakeland, FL. *(Mis)understanding Alzheimer's Disease and Related Dementias*.
- 2019 North Lakeland Rotary Club, Lakeland, FL. *Brain Health: Bridging the Gap Between Innovative Research and Practice*.
- 2014 USF Health Byrd Alzheimer's Research Institute "Lunch in Translation", Tampa, FL. *Implementing Monthly Memory Monitoring in Cognitively Normal Older Adults*.
- 2014 Healthy Brain, Healthy You! Conference, Winter Haven, FL. *Hearing and Cognition: What We Know, What You Can Do*.
- 2014 Alzheimer's Association *Beginning Alzheimer's Support & Education* (BASE) program, Lakeland, FL. *Approved Medications for the Management of Cognitive Symptomatology, Current Research, & Future Directions*.

- 2014 Alzheimer's Association 2014 Think About It! Dementia Care Conference, Lakeland, FL. *Investigating the Relationship Between Hearing and Cognition: What We Know, What We Don't.*
- 2014 Alzheimer's Association, Brandon, FL. *Approved Medications for the Management of Cognitive Symptomology, Current Research, & Future Directions.*
- 2013 Alzheimer's Association *Beginning Alzheimer's Support & Education (BASE)* program, Lakeland, FL. *Approved Medications for the Management of Cognitive Symptomology, Current Research, & Future Directions.*
- 2013 Alzheimer's Association Florida Gulf Coast Chapter, Plant City, FL. *Differential Diagnosis of Dementia, Current Research, & Future Directions.*
- 2012 *Keynote Address*, 4th Annual Circle of Care Manatee County Caregiver Forum, Bradenton, FL. *So, What is Dementia Anyway? Learning the Language of Alzheimer's Disease & Related Dementias.*
- 2012 Alzheimer's Association *Beginning Alzheimer's Support & Education* Program, Lake Wales, FL. *Approved Medications for the Management of Cognitive Symptomology.*
- 2012 Alzheimer's Association 2nd Annual Think About it! Dementia Care Conference, Lakeland, FL. *Approved Medications for the Management of Cognitive Symptomology.*
- 2011 Alzheimer's Association Florida Gulf Coast Chapter Caregiver Training Series. Florida Presbyterian Homes, Lakeland, FL. *Alzheimer's Disease: Current Research & Future Directions.*
- 2011 *Keynote Address*, Alzheimer's Association Think About It Dementia Care Conference, Lakeland, FL. *What is Dementia Anyway?*
- 2011 Alzheimer's Association Florida Gulf Coast Chapter Awareness Event, January 2011, Sarasota, FL. *Alzheimer's Disease: Current Research & Future Directions.*
- 2010 Watson Clinic Center for Cancer Care and Research, Lakeland, FL. *As I See Myself...Introduction: The Brain & Chemotherapy, Brain Health, and Creativity.*
- 2010 Better Living for Seniors Coalition, Winter Haven, FL. *Beginning Alzheimer's Support & Education (BASE) Program.*
- 2010 Alzheimer's Association Florida Gulf Coast Chapter, Brandon, FL. *Dementia Medication Fundamentals and Current Research.*
- 2010 Watson Clinic Dementia Care Summit 2010, Lakeland, FL. *Dementia Medication Fundamentals.*
- 2010 Alzheimer's Association Florida Gulf Coast Chapter Caregiver Training. *Dementia Medication Fundamentals.*
- 2009 Watson Clinic Dementia Care Summit 2009, Lakeland, FL. *Community Resources: Services for the Dementia Caregiver in Polk County.*
- 2009 Alzheimer's Association Florida Gulf Coast Chapter Dementia Care Summit, Plant City, FL. *The Brain, Dementia, and the Diagnostic Process.*
- 2009 Creativity and Cognition Unveiling, Arts Ensemble Healing Arts Centre, Winter Haven, FL. *Interventions for Individuals with Early-Stage Dementia: Beginning Alzheimer's Support & Education (BASE) and Transcending Limitations through Creativity (TLC).*
- 2009 Highlands County Interagency Annual Meeting, Sebring, FL. *Interventions for Individuals with Early-Stage Dementia.*
- 2009 Museum of Modern Art (MoMA) Alzheimer's Project Training Seminar, Lakeland, FL. *Dementia Education Module.*
- 2009 Polk County Family Caregivers Caregiver Summit, Lakeland, FL. *Dementia: Common Differential Diagnoses, Associated Neuropathology, and Resulting Symptomology*
- 2009 Hospice-Related Psychosocial Professionals in Polk County, Lakeland, FL. *Dementia: Common Differential Diagnoses, Respective Neuropathology, and Resulting Symptomology.*
- 2008 Polk County Family Caregivers Caregiver Summit, Lakeland, FL. *Alzheimer's Disease and Related Dementias.*

- 2007 Polk County Case Workers Association Seminar, Lakeland, FL. *Alzheimer's Disease and Related Dementias*.
- 2007 Polk County Family Caregivers Caregiver Summit, Lakeland, FL. *Caregiver Stress and Depression*.

General

- 2013 Alzheimer's Association Board of Directors Representative, National Alzheimer's Association Event Featuring Dr. Dean M. Hartley, Director of the National Alzheimer's Association Science Initiatives, Medical and Scientific Relations, Sarasota, FL
- 2009 – 2010 Coalition on Aging Journey through Aging Conference Planning Committee
- 2009 *Facilitator*, Focus on Caregiver Health and Well-Being, Lakeland, FL
- 2008 – 2009 *Member*, "Meet Me at MoMA at AEI" Planning Subcommittee
- 2007 – 2008 Alzheimer's Association Memory Walk 2008 Executive Planning Committee
- 2007 – 2008 *Facilitator*, Alzheimer's Association Mild Cognitive Impairment/Early Dementia Education and Support Group
- 2007 United Way Mentoring Children of Prisoners Executive Advisory Council
- 2006 – 2010 *Founding Chairperson*, Dementia Advisory Council of Polk County
- 2006 – 2010 *Consultant*, National Parkinson's Foundation Parkinson's Disease Support Group
- 2000 *Volunteer*, Portage Path Emergency Mental Health Center, Akron, OH
- 1998 *Volunteer*, Portage Path Emergency Mental Health Center, Akron, OH

PROFESSIONAL DEVELOPMENT: CERTIFICATIONS/TRAINING

- 2023 *Hazardous Waste Awareness and Handling*
- 2023 *Biomedical Waste Safety*
- 2023 *EH&S Laboratory Safety-Chem/Bio*
- 2023 *IATA Transportation of Infectious Substances, Biological Materials, and Dry Ice*
- 2020 CDC COVID-19 Vaccine Training: Immunization Best Practices for Healthcare Providers
- 2020 *HIPAA Privacy & Security*
- 2020 *Harassment & Discrimination in the Workplace*
- 2020 *MEDSAFE OSHA Safety, Bloodborne Pathogens, Infection Control, Updated Hazard Communication, GHS*
- 2020 NeuroTrax BrainCare Operational Version 2 for Administrators
- 2020 Kognito Interactive *At-Risk: Identifying and Referring Students in Mental Distress Training*
- 2018 National Institute of Health Society for Behavioral Medicine *Good Clinical Practice for Social and Behavioral Research*
- 2012 Society for Psychophysiological Research, *Introduction to Using ERPLAB Toolbox for ERP Data Analysis*, September 18 – 19, New Orleans, LA
- 2011 Collaborative Institutional Training Initiative (CITI) *Social/Behavioral Investigators and Key Personnel*
- 2011 Society for Psychophysiological Research, *Mini ERP Boot Camp*, September 13 – 14, 2011, Boston, MA
- 2011 NeuroTrax MindStreams *Computerized Cognitive Assessment for Administrators*
- 2011 NeuroTrax MindStreams *Use of MindStreams Computerized Cognitive Assessment in Mild Cognitive Impairment and Early Dementia*
- 2010 Living Healthy Leader Training and Certification, Florida Department of Health (Chronic Disease Self-Management Program)
- 2010 *Trainer/Facilitator*, Posit Science Brain Fitness Technology-Based Cognitive Training
- 2010 University of South Florida Polytechnic, Faculty Technology Integration Institute Summer Revival: "Reconnect with Tech"

- 2010 National Institute of Health State-of-the-Science Conference, *Preventing Alzheimer's Disease and Cognitive Decline*
- 2010 National Coalition Building Institute (NCBI), University of South Florida Polytechnic Diversity Office
- 2009 University of South Florida Polytechnic Teaching & Learning Innovation 2009 Summer Workshop Series
- 2009 7th Annual Mild Cognitive Impairment Symposium, Miami, FL
- 2008 – 2010 Alzheimer's Foundation of America Qualified Dementia Care Provider
- 2007 – 2010 Alzheimer's Association Florida Gulf Coast Chapter Alzheimer's Support Group Facilitator
- 2007 "Memories in the Making" Program Facilitator, Alzheimer's Association, Florida Gulf Coast Chapter

PROFESSIONAL MEMBERSHIPS/AFFILIATIONS

- 2013 – present Researchers Against Alzheimer's
- 2013 – present Us Against Alzheimer's
- 2013 – 2014 Gerontological Society of America
- 2011 – 2015 Society for Psychophysiological Research
- 2011 – 2012 Alzheimer's Association International Society to Advance Alzheimer's Research and Treatment
- 2009 – 2015 Cognitive Neuroscience Society
- 2009 – 2012 Association for Psychological Science
- 2009 – 2010 Florida Council on Aging
- 2009 – 2015 Alzheimer's Early Detection Alliance (AEDA)
- 2009 – 2010 Better Living for Seniors Coalition
- 2008 – 2015 Alzheimer's Research Forum
- 2006 – 2015 Alzheimer's Association Florida Gulf Coast Chapter
- 2006 – 2007 National Parkinson's Disease Foundation
- 2001 – 2005 Gerontology Association

REVIEWER

- 2011 – 2015 Ad-Hoc Reviewer, Sinauer Associates, Inc., Publishers
Biology, Neuroscience, and Psychology

ADDITIONAL EXPERIENCE

- 2011 – 2012 *Design Consultant*, Memory Care
Florida Presbyterian Homes, Inc. (unremunerated)
- 2009 – 2011 *Design Consultant*
Grace Manor at Lake Morton Assisted Living Memory Care (unremunerated)
Grace Manor Assisted Living Memory Care (unremunerated)
- 2001 – 2004 *Human Factors Engineering Design Projects*, The University of Akron, Akron, OH
Assisted living environment for Alzheimer's disease patients based on disease-related sensory, perceptual, and functional limitations
Independent living environment to maximize independence and quality of life for cognitively healthy older adults by accounting for potential age-related sensory, perceptual, and functional limitations
Automatic teller machine (ATM) based on potential sensory, perceptual, and functional limitations of older adults

MEDIA

Articles/Coverage

Schiffer, T. (2023, April). Forgetful or fateful: What's normal and when you should see a doctor. *Central Florida Health News*, pp. 10-11. Retrieved from https://issuu.com/centralfloridamediagroup/docs/cfhnapr23_web.

Adams, R. (2023, February 7). Just normal aging? Maybe not. Forgetfulness could be a sign of mild cognitive impairment. *The Ledger*. Retrieved from <https://www.theledger.com/story/lifestyle/health-fitness/2023/02/07/mild-cognitive-impairment-is-more-serious-than-normal-aging/69863086007/>

Adams, R. (2022, August 2). Wanted: Healthy brains. Need for research into the causes of Alzheimer's increases. *The Ledger*, pp. 1H-2H.

Adams, R. (2022, August 2). Early detection, awareness crucial. *The Ledger*, pp. 1H-2H.

White, G. (2021, April 21). USF seeks Polk County participants for dementia study. *The Ledger*. Retrieved from <https://www.theledger.com/story/news/local/2021/04/21/university-south-florida-seeks-participants-polk-county-dementia-prevention-study-usf/7317702002/>

Bouffard, K. (2019, May 10). USF Health PACT in Lakeland seeks volunteers in the fight against dementia. *The Ledger*, pp. A1, A3.

The Ledger Editorial Board (2019, May 14). USF needs more brains; consider lending yours. *The Ledger*, p. A8.

Rogers, C. (2015, April 2). Putting together the pieces of dementia: Keeping our brains fit as we age. *Central Florida Health News*. Retrieved from <http://centralfloridahealthnews.com/putting-together-pieces-of-dementia/>

Adams, R. (2013, September 1). Lakeland volunteers put their minds to USF's memory research. *The Ledger*, pp. B1-B2.

Toothman, M. (2013, April 22). Space designed to help dementia patients with anxiety. *The Ledger*, pp. A1, A6.

White, G. (2013, March 17). Lakeland man's Alzheimer's disease progressing with speed. *The Ledger*. Retrieved from <http://www.theledger.com/article/20130316/NEWS/130319313/1326>

White, G. (2012, Late Summer). Brain Games. *Your Guide to Better Living*, pp. 45-46.

Toothman, M. (2012, May 2). USF Lakeland professor honored with Outstanding Faculty Award. *The Ledger*.

Adams, R. (2012, January 31). Memory clinic to begin accepting patients today. *The Ledger*, pp. B1-B2.

Adams, R. (2012, February 1). Memory clinic accepting patients. *News Chief*, p. A3.

Hagerty, T. (2011, October 11). New lab helps Polytechnic students and faculty study brain activity. Retrieved from http://poly.usf.edu/News/20111011-new-lab-helps_USFP-study-brain-activity.html

Hagerty, T. (2011, August 25). USF Polytechnic social science faculty offer expertise to Florida Presbyterian Homes with assisted living homes expansion. Retrieved from <http://poly.usf.edu/News/20110825-Poly-faculty-offers-expertise-to-FL-Presbyterian-Homes.html>

Lacey, B. (Writer), & Davies, J. (Director). (2011). Alzheimer's Association [Television series episode]. In J. Davies (Producer), *Polk Place*. Bartow, FL: Polk Government Television.

Student News. (2011, March 6). *The Ledger*, p. D3.

State-of-the-Art Assisted Living Memory Care to Open March 2011 in Port Orange, Florida (2011, January 18). Retrieved January 26, 2011, from Yahoo! News Web site: http://news.yahoo.com/s/prweb/20110118/bs_prweb/prweb8071201

Adams, R. (2010, October 26). Medical People. *The Ledger*, p. B8.

Adams, R. (2010, October 18). Health Events. *The Ledger*, p. B7.

White, G. (2010, September 6). Lakeland man deals with cruel disease at age 58. *The Ledger*, p. A1.

Adams, R. (2010, August 23). News. *The Ledger*, p. B8.

Adams, R. (2010, August 1). School Notes. *The Ledger*, p. D3.

Adams, R. (2010, July 20). Medical People. *The Ledger*, p. B8.

Adams, R. (2010, June 20). School Notes. *The Ledger*, p. D2.

Adams, R. (2010, March 23). Medical People. *The Ledger*, p. B8.

Hagerty, T. (2008, December 31). [Cover Story] Shared passion makes a difference. *Polk Voice*, pp. 1-2, 4.

Health profile: Help when you need it. (2009, Winter). *Woman to Woman*, pp. 26-27.

Two-part brain engagement and creativity program. (2009, May 4). *The Ledger*, p. B8.

Alzheimer's group presents lectures. (2009, April 22). *News Chief*, p. A2.

Andrew, B. (2008, September 24). The aging brain: Planning for the future. *Polk Voice*, p. 5.

Session planned on aging of brain. (2008, September 24). *The Ledger*, p. B3.

Hagerty, T. (2008, September 6). Polk art therapy program aids individuals with Alzheimer's. *News Chief*, p. A3.

Andrew, B. (2007, August 8). Stress reducing techniques that work. *Polk Voice*, p. B4.

Andrew, B. (2007, July 25). Recognizing and coping with caregiver stress and depression. *Polk Voice*.

Family caregiver stress and depression. (2007, June 19). *The Ledger*, p. D6.

Television

Fox 13 (2019, May 13). <http://www.fox13news.com/health/alzheimer-s-research-facility-opens-in-lakeland>.

Photographs

Crate, P. (2009, March 22). Help for caregivers. *News Chief*, p. 2A.

PROGRAM OF RESEARCH

Innovative, non-pharmacological interventions in the prevention and/or onset delay of cognitive impairment and dementia.

Relationship between auditory processing and cognitive impairment due to Alzheimer's or other dementia.

Computer-based screening tools to aid in the detection of cognitive impairment and decline.

The effects of disrupted sleep on cognition and health.