

CURRICULUM VITAE

HWAMEE OH, PH.D.

Business Address: Department of Psychiatry and Human Behavior
The Warren Alpert Medical School
Brown University
252 Duncan Building
700 Butler Drive
Providence, RI 02906
Phone: (401) 863-3961
Email: Hwamee_Oh@brown.edu
Lab website: <https://sites.brown.edu/oh-ctnlab/>

ACADEMIC APPOINTMENTS

Associate Professor

Department of Psychiatry and Human Behavior, Brown University, July 2022 – Present
Department of Cognitive, Linguistic, and Psychological Sciences (Secondary), Brown University, July 2022 – Present

Assistant Professor

Department of Psychiatry and Human Behavior, Brown University, July 2019 – June 2022
Department of Cognitive, Linguistic, and Psychological Sciences (Secondary), Brown University, December 2020 – June 2022

Research Assistant Professor

Department of Psychology, State University of New York – Stony Brook, 2017 – 2019

Assistant Professor

Department of Neurology and Taub Institute for Research on Alzheimer's Disease and the Aging Brain, Columbia University, 2014 – 2017

HOSPITAL APPOINTMENTS

Director of Imaging Research

The Memory and Aging Program, Butler Hospital, July 2019 – June 2023

Cognitive Neuroscientist

Butler Hospital, July 2019 – June 2023

EDUCATION

Postdoctoral Fellow

Helen Wills Neuroscience Institute, University of California-Berkeley, 2009 – 2014
Area of Specialty: Neuroscience of Aging and Alzheimer's disease

Ph.D., Biopsychology, State University of New York - Stony Brook, May 2009

Areas of Specialty: Cognitive neuroscience of working memory, fMRI

M.A., Psychology, State University of New York - Stony Brook, 2005

M.A., Psychology, Ewha Womans University, Seoul, Korea (Republic of), 1998

B.A., English Education, Ewha Womans University, Seoul, Korea (Republic of), 1994

HONORS AND AWARDS

NIH, Clinical Neuroscience and Neurodegeneration (CNN) Study Section, Invited Standing Member, Center for Scientific Review. 2023-2027
Master of Arts, ad eundem, Brown University, 2023
NIH Early Career Reviewer Program, Center for Scientific Review. 2016.
Full Travel Scholarship Award, Alzheimer's Association International Conference, Toronto, Canada, 2016.
Full Travel Scholarship Award, Alzheimer's Imaging Consortium, preconference of Alzheimer's Association International Conference, Toronto, Canada, 2016.
The de Leon Prize in Neuroimaging: New Investigator Award, Alzheimer's Association International Conference, Alzheimer's Imaging Consortium, Copenhagen, Denmark. 2014.
Travel Scholarship Award, Human Amyloid Imaging Conference, Miami, FL. 2014.
Full Travel Scholarship Award, Alzheimer's Association International Conference, Boston, MA. 2013.
Full Travel Scholarship Award, Alzheimer's Imaging Consortium, preconference of Alzheimer's Association International Conference, Boston, MA. 2013.
Travel Scholarship Award, Human Amyloid Imaging Conference, Miami, FL. 2012.
Alzheimer's Association Award for Excellence in Research on Alzheimer's and Related Disorders, 1st place, Alzheimer's Association Symposium, Stanford University, 2011.
UCLA Advanced Neuroimaging Summer School Fellowship, UCLA, 2009.
Emeritus Faculty Dissertation Award, Department of Psychology, SUNY-Stony Brook, 2008.
Departmental Alumni Summer Research Fellowship, 1st prize, SUNY-Stony Brook, 2005.
Graduate Presidential Fellowship for Outstanding Entering Students, SUNY-Stony Brook, 2002.

OTHER APPOINTMENTS

Faculty Trainer, Department of Neuroscience, Brown University, 2022 – Present
Faculty Preceptor, Brown T32 Postdoctoral Training Program in Computational Psychiatry, 2021 – Present
Faculty Preceptor, Brown T32 Graduate Training Program in the Interdisciplinary Training in Computational, Cognitive, and Systems Neuroscience (ICoN), 2021 – Present
Member of a Data and Safety Monitoring Board (DSMB), Department of Radiology, Massachusetts General Hospital/Harvard Medical School, 2021– Present
Member of the Neuroimaging Committee, the Dominantly Inherited Alzheimer Network (DIAN), Washington University, 2019 – Present
Affiliated Faculty, The Carney Institute for Brain Science, Brown University, 2019 – Present
Affiliated Faculty, Department of Cognitive, Linguistic, and Psychological Sciences, Brown University, 2019 – 2020
Invited Member, University Seminar: Future of Aging Research, Columbia University, 2015 – 2023

UNIVERSITY COMMITTEES

Brown MRI Research Facility, Safety, Education and Training Committee, Brown University, 2021 – Present
Diversity Committee, Department of Psychiatry and Human Behavior (DPHB), Brown University, 2019 – Present
DPHB Diversity Committee Newsletter Subcommittee, Chair, Brown University, 2023 – Present

Search Committee, Director for the Center for Alzheimer's Disease Research, Carney Institute for Brain Science, Brown University, 2023 –
Search Committee, Director for Research in the Memory and Aging Program, The Warren Alpert Medical School, Brown University, 2023 –
Brown Innovation and Research Collaborative for Health (BIRCH) Faculty Engagement Subcommittee, Brown University, 2024 –

PROFESSIONAL SERVICE (OTHER)

Grant Reviewer

NIH, Clinical Neuroscience and Neurodegeneration (CNN) Study Section, Standing Member, October 2023.
NIH, Human Complex Mental Function (HCMF) Study Section, Ad Hoc Reviewer, February 2023
Advance Clinical & Translational Research (Advance CTR-Rhode Island) 2023 Pilot Projects Program, Ad Hoc Reviewer, February 2023.
NIH, Clinical Neuroscience and Neurodegeneration (CNN) Study Section, Ad Hoc Reviewer, October 2022
The Swiss National Science Foundation (SNSF), Ad Hoc Reviewer, August 2022.
NIH, Emerging Imaging Technologies in Neuroscience (EITN) Study Section, Ad Hoc Reviewer, June 2022
NIH, F01B Study Section (Fellowships: Learning and Memory, Language, Communication and Related Neurosciences), Ad Hoc Reviewer, March 2022
Zimmerman Innovation Awards in Brain Science, Carney Institute for Brain Science, Brown University, Ad Hoc Reviewer, December 2021.
NIH, Special Emphasis Panel (ZRG1 PSE-L90: Research on Current Topics in Alzheimer's Disease and Its Related Dementias), Ad Hoc Reviewer, November 2021
NIH, Clinical Neuroscience and Neurodegeneration (CNN) Study Section, Ad Hoc Reviewer, June 2021
NSF, Graduate Research Fellowship Program (GRFP), Ad Hoc Reviewer, January 2021
UK Research and Innovation - Medical Research Council (MRC), Ad Hoc Reviewer, November 2019
NIH, Special Emphasis Panel (ZRG1 PSE-P59: Major Opportunities for Research in Epidemiology of Alzheimer's Disease and Cognitive Resilience), Ad Hoc Reviewer, March 2017
NIH, Clinical Neuroscience and Neurodegeneration (CNN) Study Section, Ad Hoc Reviewer, October 2016
Alzheimer's Association Research Fellowship Program, Ad Hoc Reviewer, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023
Israeli Ministry of Science, Technology & Space, Ad Hoc Reviewer, December, 2016
The Netherlands Organization for Scientific Research (NWO), Ad Hoc Reviewer, October, 2015

Journal Editorial Boards

Associate Editor, *Scientific Reports*, 2023 – Present
Review Editor, *Frontiers in Human Neuroscience*, 2021 – Present

Ad Hoc Reviewer for Scientific Journals and Conference Abstracts

Aperture Neuro • *Alzheimer's and Dementia* • *Alzheimer's Research and Therapy* • *American Journal of Psychiatry* • *Brain Imaging and Behavior* • *eNeuro* • *Frontiers in Aging Neuroscience* •

Frontiers in Human Neuroscience • Frontiers in Medicine • Frontiers in Neuroscience • Human Brain Mapping • Journal of Alzheimer's disease • Journal of Neuroscience • Molecular Psychiatry • Neurobiology of Aging • Neuroimage • Neuroimage: Clinical • Neurology • Neuropsychologia • PLOS-One • Psychiatry Research-Neuroimaging • Scientific Reports • Translational Psychiatry • Alzheimer's Association International Conference-Alzheimer's Neuroimaging Consortium • Human Amyloid Imaging conference • Alzheimer's Association International Conference

Conference Committees

Co-Organizer, Growing Up in Aging Neuroscience, 2021 – Present

MEMBERSHIP IN SOCIETIES

The Alzheimer's Association International Society to Advance Alzheimer's Research and Treatment (ISTAART)
Society for Neuroscience
Cognitive Neuroscience Society
Organization for Human Brain Mapping
International Society for Magnetic Resonance in Medicine (ISMRM)
Psychonomic Society
Women in Cognitive Science
SPARK Society

GRANTS (Current)

1. NIH/NIA R01 AG068990 (PI: Oh)
Dates of Project: 09/15/2020 – 05/31/2025
Total Costs: \$3,407,526
“Developing novel cognitive and neuroimaging markers of early Alzheimer’s disease pathologies”
Role: Principal Investigator
2. NIH/NIA R01 AG068990-02S1 (PI: Oh)
Dates of Project: 06/23/2021 – 05/31/2023
Total Costs: \$637,471
Administrative supplement to “Developing novel cognitive and neuroimaging markers of early Alzheimer’s disease pathologies”
Role: Principal Investigator
3. NIH/NIA R01 AG073267 (MPI: Pascoal, Baker)
Dates of Project: 09/01/2021 – 05/31/2026
Total Costs (subaward only): \$1,434,197
“Longitudinal multi-center head-to-head harmonization of tau PET tracers”
Role: Subaward Principal Investigator
4. NIH/NIA R01 AG069265 (MPI: Heindel, Buka)
Dates of Project: 09/15/2020 – 04/30/2025
Total Costs: \$5,389,550

“Mechanisms of Risk and Resilience to Age-Related Cognitive Decline: A 60-year Prospective Prenatal Cohort”

Role: Co-Investigator

5. NIH/NIA R01 AG075511 (PI: Eloyan)
Dates of Project: 09/01/2022 – 05/31/2027
Total Costs: \$ 3,666,669
“High-dimensional Modeling of PET for radiomic Biomarker Discovery”
Role: Co-Investigator
6. NIH/NIA RF1 MH130415 (PI: Jones)
Dates of Project: 08/01/2022 – 07/31/2025
Total Costs: \$ 1,173,602
“Secondary analysis of resting state MEG data using the Human Neocortical Neurosolver software tool for cellular and circuit-level interpretation”
Role: Co-Investigator
7. Alzheimer’s Association (MPI: Sedivy, Salloway)
Dates of Project: 10/01/2020 – 3/31/2024
Total Costs: \$750,000
“Repurposing nucleoside reverse transcriptase inhibitors for treatment of AD”
Role: Co-Investigator
8. NIH R01 AG062689 (PI: Landau)
Dates of Project: 10/01/2020 – 3/31/2024
“US POINTER Neuroimaging Ancillary Study”
Role: Subaward Site Imaging PI
9. Carney Institute Alzheimer’s Research Grant (PI: Salloway)
Dates of Project: 04/01/2021– 03/31/2026
Total Costs: \$1,900,000
“Alzheimer’s disease biomarkers and risk disclosure”
Role: Co-Investigator

GRANTS (Completed)

10. NIH/NIGMS, COBRE Central Nervous System Function Pilot grant. (PI: Sanes)
Dates of Project: 11/22/2019 – 07/31/2023
Total Direct Costs: \$40,000
“Top-down and bottom-up pathways of visual scene memory across the lifespan”
Role: Pilot Project Leader
11. NIH/NIA P20 GM103645 Alzheimer’s-focused administrative supplements (PI: McLaughlin)
Dates of Project: 04/01/2021-01/31/2023
Total Costs (subaward only): \$82,123
“Biomarkers of Alzheimer’s Disease: Towards a Neuromodulatory Target”
Role: Co-I/subaward PI
12. NIH/NIA R21 AG072588 (MPI: Thompson, Libon)
Dates of Project: 09/30/2021 – 5/31/2023

Total Costs: \$ 474,315

“Validation of the DCTclock drawing task as a cognitive screening tool for prodromal Alzheimer’s disease in the Framingham Heart Study”

Role: Co-Investigator

13. Columbia University Taub Institute MRI platform pilot grant. (PI: Oh)

Dates of Project: 02/01/2016 – 6/30/2017

Total Direct Costs: \$12,000.

“Neurovascular coupling and the BOLD signal in aging and AD pathology”

Role: Principal Investigator

14. NIH R01 AG026158. (PI: Stern)

Dates of Project: 09/15/2016 – 06/30/2017

Total Direct Costs (Year 1): \$578,735.

“Imaging of Cognition, Learning and Memory in Aging”

Role: Co-Investigator

15. NIH R01 AG038465. (PI: Stern)

Dates of Project: 09/01/2016 – 06/30/2017

Total Costs: \$4,508,814.

Exploring Cognitive Aging Using Reference Ability Networks

Role: Co-Investigator

16. NIH R01 AG033546. (PI: Sloan)

Dates of Project: 09/15/2009 – 05/31/2015

Total Direct Costs (Year 1): \$452,554.

“Exercise, aging, and cognition: Effect and mechanisms”

Role: Co-Investigator

17. R01 AG034570. (PI: Jagust)

Dates of Project: 9/15/2009 – 08/31/2014

Total Direct Costs (Year 1): \$395,398.

“Neural and biochemical mechanisms of cognitive aging”

Role: Postdoctoral researcher

ORIGINAL PUBLICATIONS IN PEER-REVIEWED JOURNALS († denotes trainee, * denotes shared authorship)

1. Leung, H.C., **Oh, H.**, Ferri, J., Yi, Y. (2007). Load response functions in the human spatial working memory circuit during location memory updating. *Neuroimage*. 35(1):368-77.
2. Yang, H., **Oh, H.**, Leung, H.C., & Zelinsky, G.J. (2008). An effect of WM load on visual search guidance: Evidence from eye movements and functional brain imaging. *Journal of Vision*, 8(6), 316a.
3. **Oh, H.**, Leung, H.C. (2010). Specific and nonspecific neural activity during selective processing of visual representations in working memory. *J Cogn Neurosci*. 22(2):292-306.
4. **Oh, H.**, Mormino, E.C., Madison, C., Hayenga, A., Smiljic, A., Jagust, W.J. (2011). β -Amyloid affects frontal and posterior brain networks in normal aging. *Neuroimage*. 54(3):1887-95.
5. Landau, S.M., Marks, S.M., Mormino, E.C., Rabinovici, G.D., **Oh, H.**, O'Neil, J.P., Wilson, R.S., & Jagust, W.J. (2012). Association of lifetime cognitive engagement and low β -amyloid deposition. *Arch Neurol*. 69(5):623-29.

6. **Oh, H.**, Madison, C., Haight, T.J., Markley, C., & Jagust, W.J. (2012). Effects of age and β -amyloid on cognitive changes in normal elderly people. *Neurobiol Aging*. 33(12):2746-55.
7. Han, X., Berg, A.C., **Oh, H.**, Samaras, D., Leung, H.C. (2013). Multi-voxel pattern analysis of selective representation of visual working memory in ventral temporal and occipital regions. *Neuroimage*. 73:8-15.
8. Hedden, T., **Oh, H.**, Younger, A.P., & Patel, T.A. (2013). Meta-analysis of amyloid-cognition relations in cognitively normal older adults. *Neurology*. 80(14):1341-8.
9. **Oh, H.**, & Jagust, W.J. (2013). Frontotemporal network connectivity during memory encoding is increased with aging and disrupted by beta-amyloid. *J Neurosci*. 33(47):18425-37.
10. Wirth, M., Madison, C.M., Rabinovici, G.D., **Oh, H.**, Landau, S.M., & Jagust, W.J. (2013). Alzheimer's disease neurodegenerative biomarkers are associated with decreased cognitive function but not β -amyloid in cognitively normal older individuals. *J Neurosci*. 33(13):5553-63.
11. Wirth, M., **Oh, H.**, Mormino, E.C., Markley, C., Landau, S.M., & Jagust, W.J. (2013). The effect of amyloid β on cognitive decline is modulated by neural integrity in cognitively normal elderly. *Alzheimers Dement*. 9(6):687-98.e1.
12. Wirth, M., Villeneuve, S., Haase, C.M., Madison, C.M., **Oh, H.**, Landau, S.M., Rabinovici, G., & Jagust, W.J. (2013). Associations between Alzheimer disease biomarkers, neurodegeneration, and cognition in cognitively normal older people. *JAMA Neurol*. 70(12):1512-9.
13. *Elman, J.A., ***Oh, H.**, Madison, C.M., Baker, S.L., Vogel, J.W., Marks, S.M., Crowley, S., O'Neil, J.P., & Jagust, W.J. (2014). Neural compensation in older people with brain amyloid- β deposition. *Nat Neurosci*. 17(10):1316-8. **Co-First authors*.
14. **Oh, H.**, Habeck, C., Madison, C., & Jagust, W.J. (2014). Covarying alterations in A β deposition, glucose metabolism, and gray matter volume in cognitively normal elderly. *Hum Brain Mapp*. 35(1):297-308.
15. **Oh, H.**, Madison, C.M., Villeneuve, S., Markley, C., & Jagust, W.J. (2014). Association of gray matter atrophy with age, β -amyloid, and cognition in aging. *Cereb Cortex*. 24(6):1609-18.
16. Ossenkoppele, R., Madison, C.M., **Oh, H.**, Wirth, M., van Berckel, B.N., & Jagust, W.J. (2014). Is verbal episodic memory in elderly with amyloid deposits preserved through altered neuronal function? *Cereb Cortex*. 24(8):2210-8.
17. **Oh, H.**, Steffener, J., Razlighi, Q.R., Habeck, C., Liu, D., Gazes, Y., Janicki, S., & Stern, Y. (2015). A β -related hyperactivation in frontoparietal control regions in cognitively normal elderly. *Neurobiol Aging*. 36(12):3247-54.
18. Eich, T.S., Parker, D., Liu, D., **Oh, H.**, Razlighi, Q.R., Gazes, Y., Habeck, C., & Stern, Y. (2016). Functional brain and age-related changes associated with congruency in task switching. *Neuropsychologia*. 91:211-21.
19. **Oh, H.**, Madison, C.M., Baker, S., Rabinovici, G., & Jagust, W.J. (2016). Dynamic relationships between age, amyloid- β deposition, and glucose metabolism link to the regional vulnerability to Alzheimer's disease. *Brain*. 139(Pt 8):2275-89.
20. **Oh, H.**, Steffener, J., Razlighi, Q.R., Habeck, C., & Stern, Y. (2016). β -Amyloid Deposition Is Associated with Decreased Right Prefrontal Activation during Task Switching among Cognitively Normal Elderly. *J Neurosci*. 36(6):1962-70.
21. Razlighi, Q.R., **Oh, H.**, Habeck, C., O'Shea, D., Gazes, E., Eich, T., Parker, D.B., Lee, S., & Stern, Y. (2017). Dynamic Patterns of Brain Structure-Behavior Correlation Across the Lifespan. *Cereb Cortex*. 27(7):3586-99.
22. **Oh, H.**, Razlighi, Q.R., & Stern, Y. (2018). Multiple pathways of reserve simultaneously present in cognitively normal older adults. *Neurology*. 90(3):e197-e205.
23. Finsterwalder, S., Vlegels, N., Gesierich, B., Araque Caballero, M.Á., Weaver, N.A., Franzmeier, N., Georgakis, M.K., Konieczny, M.J., Koek, H.L.; Dominantly Inherited Alzheimer Network (DIAN), Karch, C.M., Graff-Radford, N.R., Salloway, S., **Oh, H.**, Allegri, R.F., Chhatwal, J.P.; DELCODE study group, Jessen, F., Düzel, E., Dobisch, L., Metzger, C., Peters, O., Incesoy, E.I., Priller, J., Spruth, E.J., Schneider, A., Fließbach, K., Buerger, K., Janowitz, D., Teipel, S.J.,

- Kilimann, I., Laske, C., Buchmann, M., Heneka, M.T., Brosseron, F., Spottke, A., Roy, N., Ertl-Wagner, B., Scheffler, K.; Alzheimer's Disease Neuroimaging Initiative (ADNI); Utrecht VCI study group, Seo, S.W., Kim, Y., Na, D.L., Kim, H.J., Jang, H., Ewers, M., Levin, J., Schmidt, R., Pasternak, O., Dichgans, M., Biessels, G.J., Duering, M. (2020). Small vessel disease more than Alzheimer's disease determines diffusion MRI alterations in memory clinic patients. *Alzheimer's Dement.* 16(11):1504-1514.
24. Dincer, A., Gordon, B.A., Hari-Raj, A., Keefe, S.J., Flores, S., McKay, N.S., Paulick, A.M., Shady Lewis, K.E., Feldman, R.L., Hornbeck, R.C., Allegri, R., Ances, B.M., Berman, S.B., Brickman, A.M., Brooks, W.S., Cash, D.M., Chhatwal, J.P., Farlow, M.R., la Fougère, C., Fox, N.C., Fulham, M.J., Jack, C.R. Jr., Joseph-Mathurin, N., Karch, C.M., Lee, A., Levin, J., Masters, C.L., McDade, E.M., **Oh, H.**, Perrin, R.J., Raji, C., Salloway, S.P., Schofield, P.R., Su, Y., Villemagne, V.L., Wang, Q., Weiner, M.W., Xiong, C., Yakushev, I., Morris, J.C., Bateman, R.J., Benzinger, T.L.S.; Dominantly Inherited Alzheimer Network DIAN. (2020). Cortical signatures of atrophy in autosomal dominant Alzheimer's disease and sporadic Alzheimer's disease. *NeuroImage-Clinical.* 28:102491.
25. Luckett, P.H., McCullough, A., Gordon, B.A., Strain, J., Flores, S., Dincer, A., McCarthy, J., Kuffner, T., Stern, A., Meeker, K.L., Berman, S.B., Chhatwal, J.P., Cruchaga, C., Fagan, A.M., Farlow, M.R., Fox, N.C., Jucker, M., Levin, J., Masters, C.L., Mori, H., Noble, J.M., Salloway, S., Schofield, P.R., Brickman, A.M., Brooks, W.S., Cash, D.M., Fulham, M.J., Ghetti, B., Jack, C.R. Jr., Vöglein, J., Klunk, W., Koeppe, R., **Oh, H.**, Su, Y., Weiner, M., Wang, Q., Swisher, L., Marcus, D., Koudelis, D., Joseph-Mathurin, N., Cash, L., Hornbeck, R., Xiong, C., Perrin, R.J., Karch, C.M., Hassenstab, J., McDade, E., Morris, J.C., Benzinger, T.L.S., Bateman, R.J., Ances, B.M.; Dominantly Inherited Alzheimer Network (DIAN) (2021). Application of Machine Learning to Predict Amyloid, Metabolic, and Structural Neuroimaging Biomarkers in the Progression of Autosomal Dominant Alzheimer Disease. *Alzheimer's Dement.* Jun;17(6):1005-1016.
26. 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*
27. **Oh, H.** (2022). Extraversion is associated with lower brain amyloid deposition in cognitively normal older adults. *Frontiers in Aging Neuroscience*. [preprint] bioRxiv 2022.01.23.477394; doi: <https://doi.org/10.1101/2022.01.23.477394>
28. Theresa M. Harrison, Tyler J. Ward, ... **Hwamee Oh**, Darren R. Gitelman, Neelum Aggarwal, Maria Carillo, Laura D. Baker, Charles DeCarli, William J. Jagust, Susan M. Landau, for the U.S. POINTER Study Group (2022). Optimizing quantification of MK6240 tau PET in unimpaired older adults. Neuroimage, Epublication
29. Rahmani, F., Brier, M. R., Gordon, B., McKay, N., Flores, S., Keefe, S., Hornbeck, R., Ances, B., Joseph-Mathurin, N., Xiong, C., Wang, G., Raji, C., J, J., L.-G., Perrin, R. J., McDade, E., Daniels, A., Karch, C., Day, G. S., Brickman, A., Fulham, M., Jack, C., la Fougère, C., Reischl, G., Schofield, P., **Oh, H.**, Levin, J., Vöglein, J., Cash, D., Yakushev, I., Ikeuchi, T., Klunk, W., Morris, J. C., Bateman, R. J., Benzinger, T. L. S. (in press). T1 and FLAIR Signal Intensities are Related to Tau Pathology in Dominantly Inherited Alzheimer Disease. Human Brain Mapping
30. Nelly Joseph-Mathurin, Rebecca L. Feldman, Ruijin Lu, Zahra Shirzadi, Carmen Toomer, Junie Saint-Clair, Yinjiao Ma, Nicole S. McKay, Jeremy Strain, Collin Kilgore, Charles D. Chen, Brian A. Gordon, Gengsheng Chen, Russ C. Hornbeck, Parinaz Massoumzadeh, Austin McCullough, Qing Wang, Yan Li, Guoqiao Wang, Sarah Keefe, Stephanie A. Schultz, Carlos Cruchaga, Gregory M. Preboske, Clifford R. Jack, Jr., Jorge J. Llibre-Guerra, Ricardo F. Allegri, Beau M. Ances, Sarah B. Berman, Adam M. Brickman, William S. Brooks, David M. Cas, Stephen Correia, Gregory S. Day, Martin R. Farlow, Nick C. Fox, Michael Fulham, Bernardino Ghetti, Alison Goate, Jason Hassenstab, Ted Huey, Laura Ibanez, Takeshi Ikeuchi, Keith A. Johnson,

Mathias Jucker, Celeste Karch, William Klunk, Robert Koeppe, Christian la Fougère, Athene K.W. Lee, Jae-Hong Lee, Johannes Levin, Ralph N. Martins, Chester Mathis, Jonathan McConathy, Yoshiki Niimi, James M. Noble, **Hwamee Oh**, Richard Perrin, Alan E. Renton, John M. Ringman, Andrew J. Saykin, Peter R. Schofield, Yi Su, Charlene Supnet-Bell, Jonathan Vöglein, Igor Yakushev, John C. Morris, Eric McDade, Chengjie Xiong, Randall J. Bateman, Jasmeer P. Chhatwal, Tammie L.S. Benzinger for the Dominantly Inherited Alzheimer Network (in press). Presenilin-1 mutation position influences amyloidosis, small vessel disease, and dementia with disease stage. *Alzheimer's & Dementia*

PUBLICATIONS SUBMITTED OR IN PREPARATION († denotes trainee, * denotes shared authorship)

1. †Younghoon Seo, **Hwamee Oh**. Prediction of amyloid and tau status in preclinical and prodromal older adults using interpretable tree-based machine learning ensemble models.
2. **Hwamee Oh**, †Jenna Blujus. Baseline Amyloid and Tau Deposition Predict Distinct Patterns of Longitudinal White Matter Degeneration: A Diffusion MRI Investigation.
3. †Jenna Blujus, **Hwamee Oh**. The Effects of Sex and APOE4 Genotype on Longitudinal Changes in White Matter Integrity Differ by Diagnostic Group along the Spectrum of Alzheimer's Disease.
4. †Jenna Blujus, Michael W. Cole, Elena Festa, Stephen Correia, Stephen Salloway, William Heindel, **Hwamee Oh**. Functional Redundancy of the Posterior Hippocampi, but not Anterior Hippocampi or Left Frontal Cortex, is Disrupted in Pathological Brain Aging. [preprint] bioRxiv 2022.06.18.496543; doi: <https://doi.org/10.1101/2022.06.18.496543>
5. †Jenna Blujus & **Hwamee Oh** (in revision). Denoising approach affects diagnostic differences in brain connectivity across Alzheimer's continuum. [preprint] bioRxiv 2022.06.16.496466; doi: <https://doi.org/10.1101/2022.06.16.496466>
6. Yimo Zhang, Jon A. Steingrimsson, **Hwamee Oh**, Ani Eloyan, and Alzheimer's Disease Neuroimaging Initiative. Radiomics of PET using Graphical Neural Networks for Prediction of Alzheimer's Disease Diagnosis.
7. †Sucheta Chakravarty, †Shanti Mechery, †Elizabeth Sharp, **Hwamee Oh**. Differential neural correlates associated with top-down and bottom-up processing of visual information during categorical decision making.
8. †Elizabeth Kaplan, Stephen Correia, & **Hwamee Oh**. Associations between neuropsychiatric symptoms, white matter microstructural integrity, and diagnostic status in the spectrum of Alzheimer's disease.
9. **Hwamee Oh**, Stephen Correia, Stephen Salloway. Differential associations between PET and CSF Alzheimer's disease biomarkers and cognition among cognitively normal older adults.
10. **Hwamee Oh**, Hoi-Chung Leung, Turhan Canli, Mark Slifstein, †Elliot Park. Brain imaging and neuropsychiatric profiles associated with a plasma cortisol level among nondemented older adults.
11. **Hwamee Oh**, Atul Narkhede, Qolamreza Razlighi, Yaakov Stern, Richard P. Mayeux, Jennifer J. Manly, Adam M. Brickman. Lower white matter integrity is associated with higher amyloid deposition in older adults without dementia in two independent samples.
12. **Hwamee Oh**, Jeremy Elman, Suzanne Baker, Cindee Madison, Jacob Vogel, Sam Crowley, William J. Jagust. Early disruption of top-down facilitation of visual scene encoding by beta-amyloid deposition in cognitively normal older adults.

INVITED PRESENTATIONS

Colloquia and Invited Presentations (International and National)

1. Alzheimer Center, Amsterdam University Medical Center, Amsterdam, the Netherlands, June 2023
2. Korean Human Brain Mapping, Seoul National University, Seoul, South Korea, May 2022
3. Multicultural Alzheimer's Prevention Program, Massachusetts General Hospital, Harvard Medical School, February 2022
4. Society for Cognitive Intervention, Seoul, South Korea, December 2021
5. International Conference of Korean Dementia Association 2021 (IC-KDA 2021). Seoul, South Korea, October 2021
6. Growing Up in Aging Neuroscience, Mini-symposium, Brown University, December 2020
7. Michael S. Goodman '74 Memorial Seminar Series, Department of Cognitive, Linguistic, and Psychological Sciences, Brown University, October 2020
8. Department of Psychiatry and Human Behavior, Brown University, Jan. 2019
9. Department of Neuroscience, University of Rochester, May 2018
10. Department of Psychology, The Ohio State University, Jan. 2018
11. Department of Psychiatry, Stony Brook University, March 2017
12. The Loeb Center for Alzheimer's disease, Icahn School of Medicine at Mount Sinai, Jan. 2017
13. Department of Psychology, Stony Brook University, Nov. 2016
14. The Friedman Brain Institute, Icahn School of Medicine at Mount Sinai, Oct. 2016
15. Cognitive Neuroscience Division, Department of Neurology and Taub Institute, Columbia University, Jan. 2014
16. Department of Neurobiology and Behavior, University of California-Irvine, July 2013
17. Center for Health Sciences, SRI International, Menlo Park, CA. Nov 2012

Colloquia and Invited Presentations (Regional)

18. Department of Neuroscience, Neuroscience Graduate Program Retreat, Brown University. August 2023
19. Department of Neurology, Rhode Island Hospital, Sept. 2020
20. Ryan Institute for Neuroscience, University of Rhode Island, Nov, 2019
21. Center of Brain Research Excellence, Carney Institute for Brain Science, Brown University, Nov, 2019
22. Cognitive Neuroscience Division Summer Interns Seminar, Department of Neurology and Taub Institute, Columbia University, July, 2016
23. The Center for Biomedical Imaging and Neuromodulation, Nathan Kline Institute, May, 2016
24. Cognitive Neuroscience Division Seminar, Department of Neurology and Taub Institute, Columbia University, March, 2016
25. Cognitive Neuroscience Division Summer Interns Seminar, Department of Neurology and Taub Institute, Columbia University, July, 2015
26. Integrative Neuroscience Colloquium, Department of Psychology, SUNY- Stony Brook, April 2015
27. Cognitive Neuroscience Division Seminar, Department of Neurology and Taub Institute, Columbia University, Oct. 2014
28. Taub Institute Retreat, Columbia University Medical Center, Palisades, NY. Oct. 2014
29. Veterans Affairs Palo Alto Health Care System, Palo Alto, CA. Nov 2011
30. Neuroimaging Seminar Series, University of California-Berkeley, March 2011

Conference Presentations (International and National)

31. Co-Chair of Nanosymposium and Podium Presentation, “Cognitive Aging and Memory”, Annual Meeting of the Society for Neuroscience: “Cognitive and white matter microstructure consequences of Alzheimer's disease pathology in an episodic memory system during cognitive aging”. Washington, DC. Nov. 2017.
32. Podium Presentation, Annual Meeting of Alzheimer’s Association International Conference: “Lower white matter integrity is associated with higher amyloid deposition and retrospective cognitive decline in older adults without dementia”. London, UK. July, 2017.
33. Podium Presentation, Annual Meeting of Alzheimer’s Association International Conference: “Extraversion is associated with lower amyloid deposition in cognitively normal elderly”. Toronto, Canada. July, 2016.
34. ISTAART Professional Interest Areas (PIAs) Podium Presentation, Annual Meeting of Alzheimer’s Association International Conference: “Extraversion is associated with lower amyloid deposition in cognitively normal elderly”. Toronto, Canada. July, 2016.
35. Nanosymposium Podium Presentation, “Learning and Memory: Aging and Alzheimer’s Disease”, Annual Meeting of the Society for Neuroscience: “Extraversion is associated with lower amyloid deposition in cognitively normal elderly”. Chicago, IL. Oct. 2015
36. Podium Presentation, NIA Cognitive Aging Research Annual Investigators Meeting: “Neural and Biochemical Mechanisms of Cognitive Aging”. Columbia University, New York, NY. July, 2013.
37. Co-Chair of Session titled “Diagnosis and Prognosis: White Matter and Cognition” and Podium Presentation, Annual Meeting of Alzheimer’s Association International Conference: “Association of gray matter atrophy with age, β -amyloid, white matter hyperintensity, and cognition in normal aging”. Boston, MA. July, 2013.
38. Podium Presentation, Annual Meeting of the Organization for Human Brain Mapping: “Brain networks for A β deposition, glucose metabolism, and gray matter density in normal aging”. Barcelona, Spain. June 2010.

Conference Presentations (Regional)

39. Podium Presentation, Lawrence Berkeley National Laboratory Life Sciences Division Scientific Retreat: “Region-Specific Associations of Brain Glucose Metabolism with Age and β -amyloid in Cognitively Normal Elderly”, Berkeley, CA. Feb. 2014
40. Podium Presentation, Cognitive Aging Retreat of Memory and Aging Center, “Regional vulnerability to β -amyloid deposition during aging links to baseline glucose metabolism”. University of California-San Francisco, Feb. 2014
41. Podium Presentation Session Titled “Network Dysfunction”, Alzheimer’s Association Researchers’ Symposium: “Aging, β -amyloid Deposition, and Memory Encoding Functional Connectivity”. University of California-Berkeley, June 2013.
42. Podium Presentation, Alzheimer’s Association Researchers’ Symposium: “ β -amyloid affects frontal and posterior brain networks in normal aging”. Stanford University, June 2011.

CONFERENCE ABSTRACTS († denotes trainee, * denotes shared authorship)

1. Guilherme Povala, Bruna Bellaver, Guilherme Bauer-Negrini, Firoza Z. Lussier, Livia Amaral, Pamela Lukasewicz Ferreira, Quentin Finn, Bruno Zatt, Dana Tudorasc, William Jagust⁶, William Klunk, Val Lowe, David Soleimani-Meigooni, **Hwamee Oh**, Belen Pascua, Brian Gordon⁸, Pedro Rosa-Neto, Suzanne Baker, Tharick A. Pascoal (2024, July). Creating Universal Tau PET Scale (Unit τ) Parametric Images – The HEAD Study. Abstract submitted to be presented at the annual meeting of Alzheimer’s Association International Conference, Philadelphia, PA.

2. Cynthia Felix, Pamela Lukasewicz Ferreira, Matheus Rodrigues, Beth E. Snitz, Sarah Abbas, Markley Silva Oliveira Jr, Marina Scop Medeiros, Guilherme Bauer-Negrini, Guilherme Povala, Peter Lemaire, Carolina Soares Katz, Firoza Z. Lussier, George Rebok, Cristiano Schaffer Aguzzoli, Bruna Bellaver, Livia Amaral, Belen Pascual, Brian Gordon, Val Lowe, **Hwamee Oh**, David Soleimani-Meigooni, Dana L Tudorascu, William Jagust, William E. Klunk, Pedro Rosa-Neto, Suzanne Baker, Tharick A. Pascoal (2024, July). CU PET A β and Tau Positive Individuals Show Impairment in MoCA Delayed Recall. Abstract submitted to be presented at the annual meeting of Alzheimer's Association International Conference, Philadelphia, PA.
3. Helmet T. Karim, Guilherme Povala, Guilherme Bauer Negrini, Firoza Z. Lussier, Belen Pascual, Brian Gordon, Val Lowe, **Hwamee Oh**, David Soleimani-Meigooni, Pedro Rosa-Neto, William Jagust, William E. Klunk, Suzanne Baker, Tharick A. Pascoal (2024, July). Association between Default Mode Network Connectivity Compared Between Two Tau Tracers (Flortaucipir vs. MK6240) – HEAD Study. Abstract submitted to be presented at the annual meeting of Alzheimer's Association International Conference, Philadelphia, PA.
4. Aime Fernandez Arias, Kely Quispialaya Socualaya, Ali Hosseini, Pamela Lukasewicz Ferreira, Bruna Bellaver, João Pedro Ferrari Souza, Cristiano aguzzoli, Belen Pascual, Brian Gordon, Val lowe, **Hwamee Oh**, David Soleimani-meigooni, Suzanne Baker Pedro Rosa-Neto (2024, July). Comparison of tau-PET tracers for in vivo Braak staging: the HEAD Study. Abstract submitted to be presented at the annual meeting of Alzheimer's Association International Conference, Philadelphia, PA.
5. Hussein Zalzal, Marina Scop Madeiro, Carolina Soares, Guilherme Bauer-Negrini, Guilherme Povala, Pamela C.L. Ferreira, Livia Amaral, Firoza Z Lussier, Bruna Bellaver, Sarah Abbas, Matheus Scarpato Rodrigues, Dana Tudorascu, Markley Oliveira Jr., Cynthia Felix, Douglas Teixeira Leffa, Cécile Tisso, Cristiano Schaffer Aguzzoli, Emma Patrice Ruppert, Pampa Saha, Nesrine Rahmouni, Henrik Zetterberg, Kaj Blennow, Nicholas J. Ashton, Belen Pascual, Brian A. Gordon, William J. Jagust, Val J. Low, **Hwamee Oh**, William E Klunk, David N. Soleimani-Meigooni, Pedro Rosa-Neto, Suzanne L. Baker, and Tharick A. Pascoal (2024, July). Evaluating Congruence Between Clinical and Biological Staging Across The Alzheimer's Disease Spectrum. Abstract submitted to be presented at the annual meeting of Alzheimer's Association International Conference, Philadelphia, PA.
6. Emma Patrice Ruppert, Guilherme Povala, Guilherme Bauer-Negrini, Firoza Z Lussier, Pamela C.L. Ferreir, Bruna Bellaver, Livia Amara, Hussein Zalzal, Mrkley Oliveira Jr., Pampa Saha, Matheus Scarpato Rodrigues, Sarah Abbas, Carolina Soares, Cynthia Felix, Marina Scop Medeiros, Elisa de Paula França Resende, Paulo Caramelli, William E Klunk, Dana Tudorascu, William J. Jagust, Belen Pascual, Brian A. Gordon, Val J. Lowe, **Hwamee Oh**, David N. Soleimani-Meigooni, Pedro Rosa-Neto, Suzanne L. Baker and Tharick Ali Pascoal (2024, July). Impact of anchoring cutoff point of tau positivity on CU young or older adults using Flortaucipir and MK-6240 – Head Study. Abstract submitted to be presented at the annual meeting of Alzheimer's Association International Conference, Philadelphia, PA.
7. Carolina Soares, Pamela C.L. Ferreira, Bruna Bellaver, Guilherme Bauer-Negrini, Guilherme Povala, Hussein Zalzal, Marina Scop Medeiros, Markley Silva Oliveira Jr, Cynthia Felix, Matheus Scarpato Rodrigues, Pampa Saha, Emma Ruppert, Sarah Abbas, Firoza Z Lussier, Eduardo R Zimmer, Belen Pascual, Brian Gordon, Val Low, **Hwamee Oh**, David Soleimani-Meigooni, Pedro Rosa-Neto, Suzanne Baker, and Tharick A. Pascoal (2024, July). AD Staging Using [18F]MK6240 or [18F]Flortaucipir - the HEAD Study. Abstract submitted to be presented at the annual meeting of Alzheimer's Association International Conference, Philadelphia, PA.
8. Firoza Z. Lussier, Livia Silva do Amaral, Guilherme Povala, Guilherme Negrini, Belen Pascual, Brian Gordon, Val Lowe, **Hwamee Oh**, David Soleimani-Meigooni, William Klunk, Dana Tudorascu, Pedro Rosa-Neto, Suzanne Baker, Tharick A Pascoal (2024, January). Longitudinal multicenter head-to-head harmonization of tau-PET tracers: an overview of the HEAD study.

- Abstract submitted to be presented at the annual meeting of Alzheimer's Association International Conference, Philadelphia, PA.
9. Livia Amaral, Guilherme Povala, Bruna Bellaver, Guilherme Negrini, Firoza Lussier, Pamela Lukasewicz, Juli Cehlula, Dana Tudorascu, William Jagust, William Klunk, Val Lowe, David Soleimani-Meigooni, **Hwamee Oh**, Belen Pascual, Brian Gordon, Pedro Rosa-Neto, Suzanne Baker, Tharick A. Pascoal (2024, July). Direct comparisons of the associations between the tau PET tracers [18F]Flortaucipir and [18F]MK6240 with tests of general cognitive performance – The HEAD Study. Abstract submitted to be presented at the annual meeting of Alzheimer's Association International Conference, Philadelphia, PA.
 10. Bruna Bellaver, Guilherme Povala, Guilherme Bauer-Negrini, Firoza Lussier, Livia Amaral, Pamela L. Ferreira, Val Lowe, David Soleimani-Meigooni, **Hwamee Oh**, Dana Tudorascu, William Jagust, William E. Klunk, Belen Pascual, Brian Gordon, Pedro Rosa-Neto, Suzanne Baker, Tharick A. Pascoal (2024, July). Voxel-wise comparison of [18F]MK6240 and [18F]Flortaucipir for the diagnosis of individuals across the Alzheimer's disease spectrum – the HEAD study. Abstract submitted to be presented at the annual meeting of Alzheimer's Association International Conference, Philadelphia, PA.
 11. Guilherme Bauer-Negrini, Guilherme Povala, Bruna Bellaver, Firoza Z. Lussier, Cécile Tissot, Hsin-Yeh Tsai, Livia Amaral, Pamela Lukasewicz Ferreira, Dana Tudorascu, William Jagust, William Klunk, Val Lowe, David Soleimani-Meigooni, **Hwamee Oh**, Belen Pascual, Brian Gordon, Pedro Rosa-Neto, Suzanne Baker, Tharick A. Pascoal (2024, July). Exploring the effects of using multiple different cerebellar reference regions to improve tau-PET harmonization - HEAD Study. Abstract submitted to be presented at the annual meeting of Alzheimer's Association International Conference, Philadelphia, PA.
 12. †Jenna Blujus, Eliza Rego, Sarah Bica, Kathryn Demos, Athene Lee, Meghan Riddle, Rena Wing, Stephen P. Salloway, Pauline Maillard, Audrey Fan, Charles DeCarli, Prashanthi Vemuri, Samuel N. Lockhart, Laura D. Baker, Susan M. Landau, **Hwamee Oh**, for the U.S. POINTER Study Group and the Alzheimer's Disease Neuroimaging Initiative (2024, July). White matter abnormalities in association with amyloid and tau deposition in a diverse cohort with increased risk for Alzheimer's disease. Abstract submitted to be presented at the annual meeting of Alzheimer's Association International Conference, Philadelphia, PA.
 13. Guilherme Povala, Guilherme Bauer-Negrini, Bruna Bellaver, Firoza Z. Lussier, Livia Amaral, Pamela Lukasewicz Ferreira, Quentin Finn, Bruno Zatt, Dana Tudorascu, Brian Lopresti, William Jagust, William Klunk, Victor Villemagne, Val Lowe, David Soleimani-Meigooni, **Hwamee Oh**, Belen Pascual, Brian Gordon, Pedro Rosa-Neto, Suzanne Baker, Tharick A. Pascoal (2024, July). Universal tau PET scale (UniT) – The HEAD Study. Abstract submitted to be presented at the annual meeting of Alzheimer's Association International Conference, Philadelphia, PA.
 14. Quentin Finn, Guilherme Povala, Guilherme Negrini, Andrea Franco, Tam Vo, Firoza Lussier, Brian Gordon, William Klunk, Val Lowe, **Hwamee Oh**, Pedro Rosa-Neto, David Soleimani-Meigooni, Suzanne Baker, Joseph C. Masdeu, Tharick Pascoal, Belen Pascual (2024, July). Exploring a weighted composite score for harmonization of 18F-MK6240 and 18-F Flortaucipir: linearity and correlations with cognitive measures in a head-to-head tau PET dataset. Abstract submitted to be presented at the annual meeting of Alzheimer's Association International Conference, Philadelphia, PA.
 15. †Young Seo, **Hwamee Oh** (2024, July). Prediction of amyloid and tau status in nondemented older adults using tree-based ensemble models. Abstract submitted to be presented at the annual meeting of Alzheimer's Association International Conference, Philadelphia, PA.
 16. †Bryanna Vilnaigre, †Adea Rich, †Elliot Park, and **Hwamee Oh** (2024, April). Differential effects of beta-amyloid deposition and diagnostic status for changes in hippocampal subfield volume across Alzheimer's disease continuum. National Conference on Undergraduate Research (NCUR), Long Beach, CA.

17. †Bryanna Vilnagre, †Adea Rich, †Elliot Park, and **Hwamee Oh** (2024, Feb.). How beta-amyloid deposition may change hippocampal subfield volume across Alzheimer's disease continuum. Eastern Psychological Association. Philadelphia, PA.
18. Davneet Minhas, Alex Delbene, Weiquan Luo, Alex Reese, Alexandra Gogola, Victor Villemagne, Vincent Dore, Brian Lopresti, Charles Laymon, Firoza Lussier, Guilherme Bauer-Negrini, Guilherme Povala, Ann Cohen, Ciprian Crainiceanu, Belen Pascual, Brian Gordon, Val Lowe, **Hwamee Oh**, David Soleimani-Meigooni, William Klunk, Pedro Rosa-Neto, Suzanne Baker, Tharick Pascoal, Dana Tudorascu (2024, January). HEAD Study: Evaluating CenTauRz harmonization of matched FTP and MK6240 tau PET images. Abstract submitted to be presented at [the Human Amyloid Imaging meeting](#), Miami, FL
19. C. Elizabeth Shaaban, Zachary J. Kunicki, Danai Chasioti, Yingyan Wu, Douglas Tommet, Adea Rich, **Hwamee Oh**, Thomas K. Karikari, Ann D. Cohen, Brian J. Lopresti, Victor L. Villemagne, Maria Glymour, Elizabeth Rose Mayeda, Richard N. Jones (2024, January). Toward more representative estimates of the effect of tau on cognition. Abstract submitted to be presented at [the Human Amyloid Imaging meeting](#), Miami, FL
20. Guilherme Bauer-Negrini, Guilherme Povala, Livia Amaral, Bruna Bellaver, Pamela Lukaszewicz, Firoza Lussier, Val Lowe, David Soleimani-Meigooni, Ann Cohen, Vincent Dore, **Hwamee Oh**, Brian Lopresti, Davneet Minhas, Dana Tudorascu, Victor Villemagne, William Jagust, William Klunk, Belen Pascual, Brian Gordon, Pedro Rosa-Neto, Bruno Zatt, Suzanne Baker, Tharick A. Pascoal (2024, January). Universal scale for tau PET based on head-to-head data: The HEAD study. Abstract submitted to be presented at [the Human Amyloid Imaging meeting](#), Miami, FL
21. Cécile Tissot, Hsin-Yeh Tsai, Dana Tudorascu, Nesrine Rahmouni, Stijn Servaes, Joseph Theriault, Jenna Stevenson, Pedro Rosa-Neto, Brian Gordon, Belen Pascual, Val Lowe, David Soleimani-Meigooni, **Hwamee Oh**, William Jagust, Tharick Pascoal, Suzanne Baker (2024, January). Improving the associations between [¹⁸F]MK6240 and [¹⁸F]FTP SUVRs in target regions. Talk presented at [the Human Amyloid Imaging meeting](#), Miami, FL
22. Hsin-Yeh Tsai, Cecile Tissot, Dana Tudorascu, Firoza Lussier, Pedro Rosa-Neto, Brian Gordon, Belen Pascual, Val Lowe, David Soleimani-Meigooni, **Hwamee Oh**, William Klunk, William Jagust, Tharick Pascoal, Suzanne Baker (2024, January). Head-to-head analysis of [¹⁸F]MK6240 and [¹⁸F]Flortaucipir standardized uptake values (SUVRs): the HEAD Study. Poster presented at [the Human Amyloid Imaging meeting](#), Miami, FL
23. Theresa M. Harrison, Tyler Ward, Jacinda Taggett, Pauline Maillard, Prashanthi Vemuri, Samuel N Lockhart, Youngkyoo Jung, Laura C. Lovato, Robert Koeppe, William J. Jagust, Joseph Masdeu, **Hwamee Oh**, Darren R. Gitelman, Neelum Aggarwal, Heather Snyder, Laura D. Baker, Charles DeCarli, Susan M. Landau, for the U.S. POINTER Study Group (2024, January). The POINTER Imaging Baseline Cohort: Associations between neuroimaging biomarkers, cardiovascular health and cognition. Talk presented at [the Human Amyloid Imaging meeting](#), Miami, FL
24. Firoza Z. Lussier, Livia Silva do Amaral, Guilherme Povala, Guilherme Negrini, Belen Pascual, Brian Gordon, Val Lowe, **Hwamee Oh**, David Soleimani-Meigooni, William Klunk, Dana Tudorascu, Pedro Rosa-Neto, Suzanne Baker, Tharick A Pascoal (2024, January). Longitudinal multicenter head-to-head harmonization of tau-PET tracers: an overview of the HEAD study. Talk presented at [the Human Amyloid Imaging meeting](#), Miami, FL
25. †Young Seo, **Hwamee Oh** (2024, June). Prediction of amyloid and tau status in nondemented older adults using tree-based ensemble models. Abstract submitted to be presented at [the annual meeting of Organization for Human Brain Mapping](#), Seoul, Korea.
26. †Jeremy Fleming, †Jenna Blujus, **Hwamee Oh** (2024, March). The impact of connectivity estimation methods on functional connections in young and older adults. Abstract submitted to be presented at the annual meeting of Mind Brain Research Day, Brown University. Providence, RI.
27. Firoza Z. Lussier, Maria Belen Pascual, Brian Gordon, Val Lowe, **Hwamee Oh**, David Soleimani-Meigooni, William Klunk, Pedro Rosa-Neto, Suzanne Baker, Tharick A Pascoal

- (2024, April). The HEAD study: Longitudinal multicenter head-to-head harmonization of tau-PET tracers. Abstract submitted to be presented at the annual meeting of Alzheimer's Disease and Parkinson's Disease, Lisbon, Portugal.
28. †Bryanna Vilnaigre, †Adea Rich, †Elliot Park, and **Hwamee Oh** (2023, Nov.). Differential effects of beta-amyloid deposition and diagnostic status for changes in hippocampal subfield volume across Alzheimer's disease continuum. Poster presented at the annual meeting of the Society for Neuroscience, Washington, DC.
 29. Pauline Maillard, Charles DeCarli, Prashanthi Vemuri, Samuel N. Lockhart-Neelum Aggarwal, Darren R. Gitelman, Joseph Masdeu, **Hwamee Oh**, Mark A. Espeland, Laura V. Lovato, Laura D. Baker, Maria Carrillo, Heather Snyder, Clair Sexton, Susan M. Landau for the US POINTER Study Group (2023, Oct.) Harmonization considerations for DTI measures in multi-site studies: correlations with age, sex, education, hypertension and diabetes in the POINTER study. Houston, TX.
 30. **Hwamee Oh** and Shanti Mechery (2023, March) Behavioral and neural correlates of visual statistical learning during n-back working memory performance. Abstract submitted to be presented at the annual meeting of Cognitive Neuroscience Society, San Francisco, CA.
 31. Susan M. Landau, Theresa M. Harrison, Tyler J. Ward, Suzanne L. Baker, Robert Koeppe, Prashanthi Vemuri, Samuel N. Lockhart, Youngkyoo Jung, Danielle J. Harvey, Laura Lovato, Arthur W. Toga, Joseph Masdeu, **Hwamee Oh**, Darren R. Gitelman, Neelum Aggarwal, Sarah T. Farias, Kathryn V. Papp, Heather M. Snyder, Laura D. Baker, Charles DeCarli, William J. Jagust, for the U.S. POINTER Study Group, the US POINTER Neuropsychology Group, and the Alzheimer's Disease Neuroimaging Initiative (2023, Jul.) Cohort heterogeneity and AD biomarkers in older adults without significant cognitive impairment: A comparison of U.S. POINTER and ADNI. Abstract submitted to be presented at the annual meeting of Alzheimer's Association International Conference, Amsterdam, Netherlands.
 32. †Jenna Blujus, **Hwamee Oh** (2023, Jul.). Baseline Amyloid and Tau Deposition Predict Distinct Patterns of Longitudinal White Matter Degeneration: A Diffusion MRI Investigation. Abstract submitted to be presented at the annual meeting of Alzheimer's Association International Conference, Amsterdam, Netherlands.
 33. †Jenna Blujus, **Hwamee Oh** (2023, Jul.). The Effects of Sex and APOE4 Genotype on Longitudinal Changes in White Matter Integrity Differ by Diagnostic Group along the Spectrum of Alzheimer's Disease. Abstract submitted to be presented at the annual meeting of Alzheimer's Association International Conference, Amsterdam, Netherlands.
 34. Matthew D. Howe, Sheina Emrani, Zachary J. Kunicki, Karysa J. Britton, Stephen P. Salloway, **Hwamee Oh** (2023, Jul.). Utility of accessible neuroimaging markers of cerebrovascular disease in identifying cerebral amyloidosis across the Alzheimer's disease spectrum. Abstract submitted to be presented at the annual meeting of Alzheimer's Association International Conference, Amsterdam, Netherlands.
 35. **Hwamee Oh**, Ray Razlighi, †Annika Rogers, and †Elizabeth H. M. Sharp (2023, Jul.) Increased neural activity relates to greater neuropsychiatric symptoms and beta-amyloid plaque load in cognitively normal older adults. Abstract submitted to be presented at the annual meeting of Alzheimer's Association International Conference, Amsterdam, Netherlands.
 36. Susan M. Landau, Theresa M. Harrison, Tyler J. Ward, Robert A. Koeppe, Prashanthi Vemuri, Samuel N. Lockhart, Danielle J. Harvey, Youngkyoo Jung, Laura Lovato, Arthur W. Toga, Joseph C. Masdeu, **Hwamee Oh**, Darren R. Gitelman, Neelum T. Aggarwal, Heather M. Snyder, Laura D. Baker, Charles S. DeCarli, and William J. Jagust (2023, Jan.). Cardiovascular risk and AD biomarkers in unimpaired older adults: A comparison of U.S. POINTER and ADNI. Talk presented at the Human Amyloid Imaging meeting, Miami, FL.
 37. †Elizabeth H. M. Sharp, Ray Razlighi, and **Hwamee Oh** (2023, Jan.). Relationships between Neuronal Hyperactivity, Stress Susceptibility, and Alzheimer's Disease pathology. Poster presented at the Human Amyloid Imaging meeting, Miami, FL.

38. Alice E. Murphy, Theresa M. Harrison, Tyler J. Ward, Prashanthi Vemuri, Robert A. Koeppe, Samuel N. Lockhart, Youngkyoo Jung, Bret J. Borowski, Leslie Gordineer, Nancy F. Woolard, Mark A. Espeland, Danielle J. Harvey, Laura Lovato, Arthur W. Toga, Joseph C. Masdeu, **Hwamee Oh**, Darren R. Gitelman, Neelum T. Aggarwal, Maria C. Carrillo, Heather M. Snyder, Rachel A. Whitmer, Laura D. Baker, William J. Jagust, Charles S. DeCarli, & Susan M. Landau, for the Alzheimer's Disease Neuroimaging Initiative & for the U.S. POINTER Study Group (2022, Dec.) Amyloid and tau burden in an at-risk, cognitively unimpaired clinical trial cohort: Preliminary neuroimaging data from the U.S. POINTER trial. Poster presented at the annual meeting of the Clinical Trials on Alzheimer's Disease conference (CTAD), San Francisco, CA.
39. †Jenna Blujus, **Hwamee Oh** (2022, Jul.). Posterior hippocampal redundancy: A marker of non-pathological brain aging. Poster presented at the annual meeting of Alzheimer's Association International Conference, San Diego, CA.
40. †Jenna Blujus, **Hwamee Oh** (2022, Jul.). Posterior hippocampal redundancy: A marker of non-pathological brain aging. Poster presented at the annual meeting of Alzheimer's Imaging Consortium, San Diego, CA.
41. Youngkyoo Jung, Sarah Hong, Donghoon Kim, Prashanthi Vemuri, Bret Borowski, Clifford R. Jack Jr., Robert Koeppe, Samuel N. Lockhart, Theresa M. Harrison, Leslie Gordineer, Nancy Woolard, Mark A. Espeland, Danielle J. Harvey, Laura Lovato, Arthur W. Toga, Joseph Masdeu, **Hwamee Oh**, Darren R. Gitelman, Neelum Aggarwal, Maria Carrillo, Heather Snyder, Rachel Whitmer, Laura D. Baker, Charles DeCarli, Susan M. Landau, for the U.S. POINTER Study Group (2022, Jul.). Choice of Inversion Times for Arterial Spin Labeling MRI in the U.S. POINTER lifestyle intervention trial. Talk presented at the annual meeting of Alzheimer's Association International Conference, San Diego, CA.
42. †Sucheta Chakravarty, †Shanti Mechery, †Elizabeth Sharp, **Hwamee Oh** (2022, April). Differential regional activation associated with top-down and bottom-up processing of visual information during categorical decision making. Poster presented at the annual meeting of Cognitive Neuroscience Society, San Francisco, CA.
43. †Jenna Blujus, Michael W. Cole, Elena Festa, William Heindel, **Hwamee Oh** (2022, June). Right posterior hippocampal redundancy reflects brain aging without beta-amyloid deposition. Poster presented at the annual meeting of Organization for Human Brain Mapping, Glasgow, Scotland.
44. †Jenna Blujus, **Hwamee Oh** (2022, June). Denoising approach affects diagnostic differences in brain connectivity across Alzheimer's continuum. Poster presented at the annual meeting of Organization for Human Brain Mapping, Glasgow, Scotland.
45. †Elizabeth Kaplan, Stephen Correia, **Hwamee Oh** (2021, Jul.). Associations between neuropsychiatric symptoms, white matter microstructural integrity, and diagnostic status in the spectrum of Alzheimer's disease. Poster presented at the annual meeting of Alzheimer's Association International Conference, Amsterdam, Netherlands. [Conference held virtually due to Covid-19]
46. **Hwamee Oh**, Hoi-Chung Leung, Turhan Canli, Mark Slifstein, †Elliot Y. Park (2021, Jul.). Associations between psychophysiological stress responses, inflammatory markers, and CSF biomarkers in the spectrum of Alzheimer's disease. Poster presented at the annual meeting of Alzheimer's Association International Conference, Amsterdam, Netherlands. [Conference held virtually due to Covid-19]
47. Theresa Harrison, Prashanthi Vemuri, Robert Koeppe, Samuel Lockhart, Youngkyoo Jung, Bret Borowski, Alice Murphy, Tyler Ward, Leslie Gordineer, Nancy Woolard, Mark Espeland, Danielle Harvey, William Jagust, Laura Lovato, Arthur Toga, Joseph Masdeu, **Hwamee Oh**, Darren Gitelman, Neelum Aggarwal, Maria Carrillo, Heather Snyder, Rachel Whitmer, Laura Baker, Charles DeCarli, Susan Landau, for the U.S. POINTER Study Group (2021, Jul.). Cross-sectional amyloid and tau PET in cognitively normal older adults enrolled in the U.S. POINTER lifestyle intervention trial. Poster presented at the annual meeting of Alzheimer's Association International Conference, Amsterdam, Netherlands. [Conference held virtually due to Covid-19]

48. †Elizabeth Kaplan, Stephen Correia, **Hwamee Oh** (2021, Jul.). Associations between neuropsychiatric symptoms, white matter microstructural integrity, and diagnostic status in the spectrum of Alzheimer's disease. Poster presented at the annual meeting of Alzheimer's Imaging Consortium, Amsterdam, Netherlands. [Conference held virtually due to Covid-19]
49. **Hwamee Oh**, Stephen Correia, Stephen Salloway (2020, Jul.). Differential associations between PET and CSF Alzheimer's disease biomarkers and cognition among cognitively normal older adults, Poster presented for the Alzheimer's Association International Conference, Amsterdam, Netherlands. [Conference held virtually due to Covid-19]
50. **Hwamee Oh**, Hoi-Chung Leung, Turhan Canli, Mark Slifstein (2020, Jul.). Brain imaging and neuropsychiatric profiles associated with a plasma cortisol level among nondemented older adults. Poster presented for the Alzheimer's Association International Conference, Amsterdam, Netherlands. [Conference held virtually due to Covid-19]
51. **Hwamee Oh**, Stephen Correia, Stephen Salloway (2020, Jul.). Differential associations between PET and CSF Alzheimer's disease biomarkers and cognition among cognitively normal older adults, Poster presented for the Alzheimer's Imaging Consortium, Amsterdam, Netherlands. [Conference held virtually due to Covid-19]
52. **Hwamee Oh**, Hoi-Chung Leung, Turhan Canli, Mark Slifstein (2020, Jul.). Brain imaging and neuropsychiatric profiles associated with a plasma cortisol level among nondemented older adults. Poster presented for the Alzheimer's Imaging Consortium, Amsterdam, Netherlands. [Conference held virtually due to Covid-19]
53. **Hwamee Oh**, Stephen Correia, Stephen Salloway (2020, Mar.). Differential associations between PET and CSF Alzheimer's disease biomarkers and cognition among cognitively normal older adults, Poster to be presented for the Mind and Brain Symposium, Brown University. [Cancelled due to Covid-19]
54. **Hwamee Oh**, Stephen Correia, Stephen Salloway (2020, Jan.). Associations between Alzheimer's disease biomarkers and cognition among cognitively normal older adults. Poster presented at the Human Amyloid Imaging meeting, Miami, FL.
55. **Hwamee Oh**, Hoi-Chung Leung, Turhan Canli, Mark Slifstein (2019, Jan.). Differential associations of cortisol plasma level with glucose metabolism, hippocampal atrophy, and amyloid deposition across Alzheimer's disease stages. Poster presented at the Human Amyloid Imaging meeting, Miami, FL.
56. **Hwamee Oh**, Ann Levitanus, and Katherine Le. (2017, Nov., Session Co-Chair). Cognitive and white matter microstructure consequences of Alzheimer's disease pathology in an episodic memory system during cognitive aging. Talk presented at the annual meeting of the Society for Neuroscience, Washington, DC.
57. **Hwamee Oh**, Atul Narkhede, Qolamreza Razlighi, Yaakov Stern, Richard P. Mayeux, Jennifer J. Manly, Adam M. Brickman (2017, Jul.). Lower white matter integrity is associated with higher amyloid deposition and retrospective cognitive decline in older adults without dementia. Talk to be presented at the Alzheimer's Association International Conference, London, UK.
58. †Ann Levitanus and **Hwamee Oh**. (2017, Jul.). Changes in white matter integrity and cerebral blood flow in the episodic memory network in cognitively normal older adults with β -Amyloid pathology. Poster to be presented at the Alzheimer's Association International Conference, London, UK.
59. **Hwamee Oh**, Atul Narkhede, Qolamreza Razlighi, Yaakov Stern, Richard P. Mayeux, Adam M. Brickman (2017, Jan.). Lower white matter integrity is associated with higher amyloid deposition in older adults without dementia in two independent samples. Poster presented at the Human Amyloid Imaging meeting, Miami, FL.
60. **Hwamee Oh**, †Ann Levitanus. (2016, Nov.) β -amyloid pathology affects cerebral blood flow and white matter integrity in the episodic memory network among cognitively normal older adults. Poster presented at the annual meeting of the Society for Neuroscience, San Diego, CA.

61. **Hwamee Oh**, Ray Razlighi, Yaakov Stern. (2016, Jul.). Extraversion is associated with lower amyloid deposition in cognitively normal elderly. Talk presented at the Alzheimer's Association International Conference, Toronto, Canada.
62. **Hwamee Oh**, Ray Razlighi, Chris Habeck, Yaakov Stern. (2016, Jul.). Protective mechanisms of cognitive reserve revealed by multimodal neuroimaging markers. Poster presented at the Alzheimer's Association International Conference, Toronto, Canada.
63. **Hwamee Oh**, Jason Steffener, Ray Razlighi, Christian Habeck, Yaakov Stern. (2016, April). Differential contribution of age and β -amyloid deposition to fronto-parietal cognitive control regions during task switching among cognitively normal older adults. Poster presented at the annual meeting of Cognitive Neuroscience Society, New York, NY.
64. **Hwamee Oh**, Jason Steffener, Ray Razlighi, Christian Habeck, Yaakov Stern. (2015, Oct.). Extraversion is associated with lower amyloid deposition in cognitively normal elderly. Talk presented at the annual meeting of the Society for Neuroscience, Chicago, IL.
65. **Hwamee Oh**, Jason Steffener, Ray Razlighi, Christian Habeck, Yaakov Stern. (2015, July). Fronto-parietal hyperactivation during working memory relates to β -amyloid deposition and decreases with cognitive reserve among cognitively normal elderly. Poster presented at the Alzheimer's Association International Conference, Washington, D.C.
66. **Hwamee Oh**, Jason Steffener, Ray Razlighi, Christian Habeck, Yaakov Stern. (2015, July). Fronto-parietal hyperactivation during working memory relates to β -amyloid deposition and decreases with cognitive reserve among cognitively normal elderly. Poster presented at the Alzheimer's Imaging Consortium, Washington, D.C.
67. **Hwamee Oh**, Jason Steffener, Ray Razlighi, Christian Habeck, Dan Liu, Sarah Janicki, Yaakov Stern. (2015, Jan.). Beta-amyloid deposition is associated with increased brain activity during working memory and executive control tasks among cognitively normal elderly. Poster presented at the Human Amyloid Imaging meeting, Miami, FL.
68. **Hwamee Oh**, Jeremy Elman, Suzanne Baker, Cindee Madison, Jacob W. Vogel, Sam Crowley, William J. Jagust. (2014, Nov.) Effects of age and β -amyloid deposition on the neural systems for gist and visual detail memory encoding in cognitively normal older adults. Poster presented at the annual meeting of the Society for Neuroscience, Washington, DC.
69. **Hwamee Oh**, Jeremy Elman, Cindee Madison, Suzanne Baker, Jake Vogel, Sam Crowley, William J. Jagust. (2014, Jan.). Regional brain activity and functional connectivity during memory encoding are differentially affected by age and β -amyloid deposition in cognitively normal older adults. Poster presented at the Human Amyloid Imaging meeting, Miami, FL.
70. Jeremy Elman, **Hwamee Oh**, Cindee Madison, Suzanne Baker, Jake Vogel, Sam Crowley, William J. Jagust. (2014, Jan.). Effects of age and amyloid on the encoding of visual scene detail. Poster presented at the Human Amyloid Imaging meeting, Miami, FL.
71. **Hwamee Oh**, Jeremy Elman, Cindee Madison, Suzanne Baker, Jake Vogel, Sam Crowley, William J. Jagust. (2013, Nov.). Dissociable functional networks engaged in gist memory and visual detail memory during episodic encoding. Poster presented at the annual meeting of the Society for Neuroscience, San Diego, CA.
72. **Hwamee Oh**, Sylvia Villeneuve, Cindee Madison, Jacob Vogel, William J. Jagust. (2013, July, **Session Co-chair**). Association of gray matter atrophy with age, β -amyloid, white matter hyperintensity, and cognition in normal aging. Talk presented at the Alzheimer's Association International Conference, Boston, MA.
73. **Hwamee Oh**, Cindee Madison, Suzanne Baker, William Jagust. (2013, July). Region-specific associations of brain glucose metabolism with age and β -amyloid in normal aging. Poster presented at the Alzheimer's Association International Conference, Boston, MA.
74. **Hwamee Oh**, Cindee Madison, Suzanne Baker, William Jagust. (2013, July). Region-specific associations of brain glucose metabolism with age and β -amyloid in normal aging. Poster presented at the Alzheimer's Imaging Consortium, Boston, MA.

75. **Hwamee Oh**, Elizabeth C. Mormino, & William J. Jagust (2013, April). Effects of age and beta-amyloid deposition on memory encoding brain activity in aging. Poster presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.
76. **Hwamee Oh**, Cindee Madison, Suzanne Baker, William Jagust. (2013, Jan.). Relationships between age, β -amyloid, and glucose metabolism. Poster presented at the Human Amyloid Imaging meeting, Miami, FL.
77. Miranka Wirth, Cindee Madison, Gil D. Rabinovici, **Hwamee Oh**, Susan M. Landau, William J. Jagust. (2013, Jan.). Alzheimer's disease neurodegenerative biomarkers are associated with decreased cognitive functions but not beta-amyloid in cognitively normal older individuals. Talk presented at the Human Amyloid Imaging meeting, Miami, FL.
78. Trey Hedden, **Hwamee Oh**, Alayna P. Younger, and †Tanu Patel (2013, Jan.). Meta-Analysis of Amyloid-Cognition Relations in Cognitively Normal Older Adults. Poster presented at the Human Amyloid Imaging meeting, Miami, FL.
79. **Hwamee Oh**, Elizabeth C. Mormino, & William J. Jagust (2012, Oct.). Effects of age and beta-amyloid deposition on memory encoding brain activity in aging. Poster presented at the annual meeting of the Society for Neuroscience, Program #102.17, New Orleans, LA.
80. Anna Huang, Joseph Schmidt, Hyejin Yang, **Hwamee Oh**, Gregory Zelinsky, & Hoi Chung Leung (2012, Oct). Neural correlates of behavioral performance during a visual search task. Poster presented at the annual meeting of the Society for Neuroscience, Program #100.04, New Orleans, LA.
81. Miranka Wirth, Cindee Madison, **Hwamee Oh**, Susan Landau, Candace Markley, William Jagust (2012, Oct). Neurodegenerative biomarkers of the Alzheimer's disease are associated with cognitive decline but not beta amyloid in asymptomatic elderly individuals. Poster presented at the annual meeting of the Society for Neuroscience, Program #345.21, New Orleans, LA.
82. **Hwamee Oh**, Cindee Madison, Candace Markley, & William J. Jagust (2012, June). Changes in cortical thickness and gray matter volume during normal aging with and without amyloid deposition. Poster presented at the Alzheimer's Association Northern California and Nevada Symposium, San Francisco, CA.
83. Anna Huang, Joseph Schmidt, Hyejin Yang, **Hwamee Oh**, Hoi Chung Leung, & Gregory Zelinsky. (2012, May). Search is guided by two targets: Evidence from a combined fMRI and eye movements study. Poster presented at the annual meeting of Vision Sciences Society, Naples, FL.
84. **Hwamee Oh**, Elizabeth Mormino, & William J. Jagust (2012, Jan.). Effects of age and beta-amyloid deposition on brain activity and functional connectivity during episodic memory encoding in cognitively normal elderly. Poster presented at the Human Amyloid Imaging meeting, Miami, FL.
85. Miranka Wirth, **Hwamee Oh**, Beth Mormino, Candace Markley, Susan Landau, & William Jagust (2012, Jan.). Cognitive change in healthy elderly: Associations with beta-amyloid deposition, regional cortical metabolism and hippocampal volume. Poster presented at the Human Amyloid Imaging meeting, Miami, FL.
86. **Hwamee Oh**, Cindee Madison, Candace Markley, & William J. Jagust (2011, Nov.). Changes in cortical thickness and gray matter volume during normal aging with and without amyloid deposition. Poster presented at the annual meeting of the Society for Neuroscience, Program #293.14, Washington, D.C.
87. Miranka Wirth, **Hwamee Oh**, Beth Mormino, Candace Markley, Susan Landau, Martina Studer, & William Jagust (2011, Nov.). Cognitive change in healthy elderly: Associations with beta-amyloid deposition, regional cortical metabolism and hippocampal volume. Poster presented at the annual meeting of the Society for Neuroscience, Program #551.2, Washington, D.C.
88. Miranka Wirth, **Hwamee Oh**, Beth Mormino, Candace Markley, Susan Landau, & William Jagust (2011, Sept.). Cognitive change in healthy elderly: associations with beta-amyloid ($A\beta$)-deposition, regional cortical metabolism and hippocampal volume. Poster presented at the annual meeting of the International Society of NeuroImaging in Psychiatry, Heidelberg, Germany.

89. **Hwamee Oh**, Cindee Madison, Tad Haight, Candace Markley, & William J. Jagust (2011, June). Cognitive and structural changes in cognitively normal older adults without amyloid deposition. Poster presented at the Alzheimer's Association Northern California and Nevada Symposium, Palo Alto, CA.
90. Miranka Wirth, **Hwamee Oh**, Beth Mormino, Candace Markley, Susan Landau, & William Jagust (2011, June). Cognitive change in healthy elderly: the assessment of associations with beta-amyloid (A β)-deposition, regional cortical metabolism and hippocampal volume. Poster presented at the Alzheimer's Association Northern California and Nevada Symposium, Palo Alto, CA.
91. **Hwamee Oh**, Cindee Madison, Tad Haight, Candace Markley, & William J. Jagust (2011, Feb.). Cognitive and structural changes in cognitively normal older adults without amyloid deposition. Poster presented at the Dallas Aging and Cognition Conference, Dallas, TX.
92. **Hwamee Oh**, Cindee Madison, Elizabeth C. Mormino, Chris Habeck & William J. Jagust (2010, Nov.). Relationships between A β deposition, glucose metabolism, and gray matter volume in normal aging. Poster presented at the annual meeting of the Society for Neuroscience, Program #803.2, San Diego, CA.
93. **Hwamee Oh**, Cindee Madison, Elizabeth C. Mormino, & William J. Jagust (2010, June). Brain networks for A β deposition, glucose metabolism, and gray matter volume in normal aging. Poster presented at the Alzheimer's Association Northern California and Nevada meeting, Berkeley, CA.
94. **Hwamee Oh**, Cindee Madison, Elizabeth C. Mormino, & William J. Jagust (2010, June). Brain networks for A β deposition, glucose metabolism, and gray matter density in normal aging. Talk and poster presented at the 16th Annual Meeting of the Organization for Human Brain Mapping, Barcelona, Spain.
95. **Hwamee Oh** & Hoi-Chung Leung (2008, November). Effect of pronunciation length on visual object working memory: behavioral and fMRI studies. Poster presented at the Annual Meeting of the Society for Neuroscience, Program # 484.2, Washington, D.C.
96. Hyejin Yang, **Hwamee Oh**, Hoi-Chung Leung, & Gregory Zelinsky (2008, May). An effect of WM load on visual search guidance: Evidence from eye movements and functional brain imaging. Poster presented at the annual meeting of Vision Sciences Society, Naples, FL.
97. **Hwamee Oh**, †Arpana Raynavar, & Hoi-Chung Leung (2007, November). The Effect of Pronunciation Length in Visual Object Working Memory. Poster presented at the Annual Meeting of the Society for Neuroscience, Program # 302.13, San Diego, CA.
98. **Hwamee Oh** & Hoi-Chung Leung (2006, October). Frontostriatal circuit in selecting visual representations in working memory. Poster presented at the Annual Meeting of the Society for Neuroscience, Program # 568.1, Atlanta, GA.
99. Yuji Yi, **Hwamee Oh**, & Hoi-Chung Leung (2005, November). Activity in the spatial working memory circuit as a parametric variation of updating load. Poster presented at the Annual Meeting of the Society for Neuroscience, Program # 65.13, Washington, DC.
100. **Hwamee Oh**, & Hoi-Chung Leung (2005, June). Brain Imaging Studies of Memory on Aging: A Meta-Analysis. Poster presented at the annual meeting of the Organization for Human Brain Mapping, *Neuroimage*, 26, S1, Toronto, Canada
101. Hoi-Chung Leung, Jamie Ferry, **Hwamee Oh**, & Todd Constable (2005, June). Responses of the Spatial Working Memory Network to the Updating Demand. Poster presented at the annual meeting of the Organization of Human Brain Mapping, *Neuroimage*, 26, S1, Toronto, Canada.

UNIVERSITY TEACHING ROLES

Instructor of Record

CLPS1980: Directed Research in Cognitive, Linguistic and Psychological Sciences. Brown University, Fall 2023, Spring 2024

Undergraduate upper-level students perform directed research under my supervision. Required of all ScB concentrators and Honors students in psychology.

PHP 2980: Graduate Independent Study and Thesis Research, The School of Public Health, Brown University. Fall 2023, Spring 2024

Graduate students perform research projects as part of their approved thesis proposal and thesis requirements.

Neur1970: Independent Study, Department of Neuroscience. Brown University, Spring 2020, Fall 2020, Spring 2021, Fall 2021, Spring 2022, Fall 2022, Spring 2023

A student/students perform laboratory-oriented research in neuroscience under my supervision. A student/students conduct literature review on human cognition and Alzheimer's disease, learn how to analyze human neuroimaging data on Brown high computing cluster, analyze and synthesize image and non-image data, and write a report of the results of his or her study.

PSY389.01: Research Lab: "Cognitive Neuroscience". Department of Psychology. State University of New York at Stony Brook. Spring 2019.

An undergraduate upper-level course for psychology majors (45 students enrolled) that consists of lectures and a series of laboratories designed to give students conceptual understanding and hands-on experience with behavioral and neuroimaging approaches for conducting cognitive neuroscience research. As a primary course instructor, developed the course curriculum and taught the course for the semester.

PSY369.01: Special topics in Cognition and Perception: "The Cognitive Neuroscience of Aging". Department of Psychology. State University of New York at Stony Brook. Fall 2018.

An upper-level lecture course for undergraduate students (120 students enrolled), designed to provide students with a comprehensive overview of conceptual and methodological approaches to studying the cognitive neuroscience of aging. As a primary course instructor, developed the course curriculum and taught the course for the semester.

PSYC G4222: "The Cognitive Neuroscience of Aging". Department of Psychology. Columbia University. Fall 2015.

An upper-level course for graduate and undergraduate students (20 students enrolled), designed to provide students with a comprehensive overview of various conceptual and methodological approaches to studying the cognitive neuroscience and neuropsychology of aging. As a primary course instructor, developed the course curriculum and taught the course for the semester.

PSY310: "Research Methods and Writing in Psychology". Department of Psychology. State University of New York at Stony Brook. Summer 2006.

An undergraduate upper-level course for psychology majors (45 students enrolled), designed to provide overview on steps of psychology research and writing research reports. As a primary course instructor, developed the course curriculum and taught the course for the semester. Delivered lectures and wrote and graded writing assignments and exams.

Faculty Trainer

Brown Neuroscience Graduate Program (NSGP) 2022 – Present

Brown T32 Postdoctoral Training Program in Computational Psychiatry (NIH T32 MH126388 (PI: Frank/Serre/Rasmussen) 2021 – Present

Brown T32 Graduate Training Program in the Interdisciplinary Training in Computational, Cognitive, and Systems Neuroscience (ICoN) (NIH T32 MH126388 (PI: Badre, Frank, and Moore) 2021 – Present

Guest Lecturer

University of Rhode Island, Neuroimaging Methods Neuroscience Graduate Seminar. Spring 2022. lecture on “Introduction to functional MRI”

Memory and Aging Program, Butler Hospital. Educational Program. August 2020. Lecture titled “Introduction to MRI”.

Memory and Aging Program, Butler Hospital. Case Conference. December 2019. Lecture titled “Introduction to Memory and Aging Program Imaging Core”.

PSY355: “Human Brain Function”, Department of Psychology, SUNY-Stony Brook. Fall 2017. Lecture titled “Neuroplasticity across the lifespan”.

PSYC G4222: “The Cognitive Neuroscience of Aging”. Department of Psychology. Columbia University. Fall 2016. Lecture titled “Alzheimer’s disease biomarkers and preclinical Alzheimer’s disease”.

Teaching Assistant/Lab Instructor

PSY326: “Children’s Learning and Instruction”, Department of Psychology, SUNY-Stony Brook. Spring 2009. (70 students enrolled)

PSY103: “Introduction to Psychology”, Department of Psychology, SUNY-Stony Brook. Fall 2008. (450 students enrolled)

PSY329: “Introduction to Human Problem Solving”, Department of Psychology, SUNY-Stony Brook. Spring 2008. (70 students enrolled)

PSY358: “Drugs and the Brain”, Department of Psychology, SUNY-Stony Brook. Fall 2007. (120 students enrolled)

PSY103: “Introduction to Psychology”, Department of Psychology, SUNY-Stony Brook. Fall 2006. (450 students enrolled)

PSY240: “Survey in Social Psychology”, Department of Psychology, SUNY-Stony Brook. Fall 2005. (120 students enrolled)

PSY346: “Health Psychology”, Department of Psychology, SUNY-Stony Brook. Spring 2005. (120 students enrolled)

PSY201: “Labs: Statistical Methods in Psychology”, Department of Psychology, SUNY-Stony Brook. Fall 2004. (30 students enrolled)

PSY358: “Drugs and the Brain”, Department of Psychology, SUNY-Stony Brook. Spring 2003. (120 students enrolled)

PSY250: “Survey in Biopsychology”, Department of Psychology, SUNY-Stony Brook. Fall 2002. (120 students enrolled)

RESEARCH MENTORING

Postdoctoral Fellows

- Ji-Hyun Kim, PhD. Department of Psychiatry and Human Behavior, Brown University, 2024–
- Jenna Blujus, PhD. Brown Clinical Psychology Postdoctoral Research Fellow, Brown University, 2021– Present
 - 1st place winner in the Postdocs category for research presentation at Mind Brain Research Day 2022
- Sucheta Chakravarty, PhD. Brown Clinical Psychology Postdoctoral Research Fellow, Brown University, 2021– 2022
- Cristina Roman, PhD (Neuropsychology), Rhode Island Hospital, 2020 – 2021
 - Application of FreeSurfer processing of MRI images in Alzheimer’s Disease Neuroimaging Initiative Database

Graduate Students

- Adea Rich (Public Health), Brown University, 2022– Present
- Ryan Wales (Psychology), State University of New York, Stony Brook, 2018 – 2019. FreeSurfer-based processing of MRI scans in Parkinson’s Progressive Marker Initiative Database.

Research Associates

- Nick Hu, B.S. Brown University, 2023 – Present
- Mackenzie Topper, B.A. Brown University, 2023 – Present
- Sophia Wagner, B.A. Brown University, 2022 – Present
- Elizabeth Sharp, B.A. Brown University, 2021 – 2023
 - Honorable mention at Research Assistants (RA) Research Day, Department of Psychiatry and Human Behavior, 2022
- Shanti Mechery, B.A. Brown University, 2019 – 2021

Internship Trainees

- Bryanna Vilnaigre (Undergraduate major in Neuroscience), BP-ENDURE program fellow, New York University, Summer 2023
- Younghoon Seo (Undergraduate major in Neuroscience), Bowdoin College, Summer 2023
- Elliot Park (Undergraduate major in MCB), University of California-Berkeley, Summer 2023
- Catherine Dion (PhD program in Psychology), University of Florida, 2022– Present
- Lindsey Walsh (Undergraduate major in Psychology), Stonehill College, 2022– Present

Undergraduate Research Assistants

Brown University

- Drew Kim (Neuroscience), Spring 2024 – Present
- Hannah Moon (Cognitive Neuroscience), Spring 2024 – Present
- Hattie Grant (Neurobiology), Spring 2024 – Present

- Aleksandra Dubno (Neuroscience), Spring 2024 – Present
- Sarah Bao (Mathematics, Computer Science, & Computational Neuroscience), Fall 2023 – Present
- Eileen Wu (Public Health and Literary Arts), Fall 2023 – Present
- Gelila Messay (Cognitive Neuroscience), Spring 2022– Present
- Jeremy Fleming (Computational Neuroscience), 2021– Present
- Maxine Slater (Program in Liberal Medical Education), 2021 – 2023
- Graham Kupsaw (Neuroscience), 2020 – Present
 - Recipient of the Karen T. Romer Undergraduate Teaching and Research Awards (UTRA), Summer 2021
- Iris Cheng (Neuroscience), 2020 – 2023
 - Recipient of the Karen T. Romer Undergraduate Teaching and Research Awards (UTRA), Spring 2021
- Katheryne Gonzalez (Cell & Molecular Biology, Premed), Fall 2022
- Melanie Morales (Health and Human Biology), 2021– 2022
 - Recipient of the Karen T. Romer Undergraduate Teaching and Research Awards (UTRA), Fall 2022
- William Park (Biology), 2021– 2022
- Mia Dominick (Health and Human Biology), 2021– 2022
- Vineetha Yadlapalli (Neuroscience), 2021 – 2022
 - Recipient of the Karen T. Romer Undergraduate Teaching and Research Awards (UTRA), Summer 2021
 - Now at Drexel University School of Medicine
- Sophia Ahn (Program in Liberal Medical Education), 2021
- Elizabeth Kaplan (Cognitive Neuroscience), 2020 – 2022
 - Recipient of the Karen T. Romer Undergraduate Teaching and Research Awards (UTRA), Summer 2020
- Annika Rogers (Neuroscience), 2020 – 2022

Columbia University

- Katherine Le (Neuroscience, Barnard College), 2017
- Ann Levitanus (Psychology), 2016

University of California-Berkeley

- Tanu Patel (Cognitive Science), 2011 – 2013
- Andrew Mains (Cognitive Science), 2010 – 2011

State University of New York - Stony Brook

- Baaba Blackston (Psychology), 2008 - 2009
- Janiper Chae (Psychology), 2008
- Meagan Sweeney (Psychology), 2007 - 2009
- Angeline Shea (Psychology), 2007 – 2008
 - Poster presented at the 2008 annual conference of Undergraduate Research & Creative Activities (URECA) won the 1st place awarded by the Department of Psychology.
- Arpana Rayannavar (Psychology), 2005 – 2007
 - Poster presented at the 2007 URECA annual conference won the 1st place awarded by the Department of Psychology.
- Ivan Quan (Psychology), 2005

- Szeman Mak (Psychology), 2005

Undergraduate Honors Thesis/Independent Study Advisees

- Gelila Messay (Cognitive Neuroscience), Spring 2022– Present
- Maxine Slater (Program in Liberal Medical Education), 2021 – Present
- Graham Kupsaw (Neuroscience), Brown University, 2020 – Present
- Iris Cheng (Neuroscience), Brown University, 2020 – Present
- Elizabeth Kaplan (Cognitive Neuroscience), Brown University, 2020 – 2022
- Annika Rogers (Neuroscience) Brown University, 2020 – 2022
 - Honors thesis title: *Investigating the Neural Mechanisms of Stress Susceptibility in Risk of Alzheimer's Disease*
- Vineetha Yadlapalli (Neuroscience) Brown University, 2021 – 2022
 - Honors thesis title: *The relationship between cerebrospinal fluid neurofilament light protein biomarker and cortical thinning in Alzheimer's disease pathophysiology*
- Melanie Morales (Health and Human Biology), 2021– 2022
- Angeline Shea (Psychology), SUNY-Stony Brook, 2007 – 2008
- Arpana Rayannavar (Psychology), SUNY-Stony Brook, 2005 – 2007

Dissertation Committees/ Thesis Reader

- Robert Zielinski (Biostatistics), Brown University, 2023 – Present
- Anusha Kumar (Biostatistics), Brown University, 2022 – 2023
- Yimo Zhang (Biostatistics), Brown University, 2022 – Present
- Sarah Kann (Psychology), State University of New York, Stony Brook, 2019 – 2020.
Ph.D. Dissertation title: “Neural Correlates of Cognitive Decline in Parkinson’s Disease”.

OTHER TEACHING ROLES

Research Assistant for fMRI methodology, Dr. Gregory Zelinsky’s Eye Movement Laboratory, Department of Psychology, SUNY-Stony Brook, Spring 2007.

Assisted setting up an fMRI analysis platform and offered weekly fMRI method sessions. Collaborated on eye-tracking and fMRI studies to examine an effect of working memory load on visual search guidance.

Counselor, Ewha Womans University Student Counseling Center, Ewha Womans University, Seoul, Korea (Republic of). 1998-1999.

Middle School English teacher (with Korean government-exam certification given to the top 5% among applicants in the year 1994), Myoung-il Girls Middle School, Seoul, Korea (Republic of), 1994

SPECIALIZED TRAINING

3-day longitudinal data analysis course, Advanced Longitudinal Data Analysis Workshop, Longitudinal Research Institute, University of California, Davis, July 2013

2-week comprehensive neuroimaging course, UCLA Advanced Neuroimaging Summer School UCLA, July 2009

MEDIA ENGAGEMENT

Invited panelist, Carney Conversations: Getting a jump on Alzheimer's disease, Carney Institute for Brain Science, Brown University, November 2021 (<https://www.brown.edu/carney/news-events/carney-conversations>)

Invited for Carney Institute's Twitter takeover for World Alzheimer's Day, September 21, 2021 (<https://twitter.com/CarneyInstitute/status/1440045113820913673>)

The Academic Minute, a radio segment titled "Why Some Brain Regions and Cognitive Functions Are More Vulnerable to Aging," May 12, 2022

(<https://academicminute.org/2022/05/hwamee-oh-brown-university-why-some-brain-regions-and-cognitive-functions-are-more-vulnerable-to-aging/>)

Interview for an article titled "Discoveries in Aging Research" in *Impact: Research at Brown Magazine*. Office of the Vice President for Research, Brown University, April 2023.