

America Romero

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EDUCATION

- 2024 – Ph.D., Psychology (Cognitive & Systems Neuroscience Area), University of Oregon
Advisor: Brice A. Kuhl
- 2017 – 2021 B.S., Psychology, California Polytechnic State University, San Luis Obispo
Minors: Child Development, Statistics
Advisor: Kelly A. Bennion
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HONORS & GRANTS

- 2025 – 2027 Navigating Educational Trajectories in Neuroscience (NET Neuro) Fellowship
- 2025 – 2026 College of Arts and Sciences Clarence and Lucille Dunbar Scholarship
- 2024 – 2025 University of Oregon Lokey Graduate Science Award
- 2024 – 2025 Científico Latino Graduate Student Engagement and Community (GSEC) Scholarship
- Spring 2021 Faculty's Choice – Best Research Project
- Spring 2021 Contributions to Objectives and Public Image of the University Award
- Summer 2021 CSU Sally Casanova Summer Research Grant
- 2020 – 2021 CSU Sally Casanova Pre-Doctoral Scholar
- 2017 – 2021 Cal Poly Scholars Program Scholarship
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PUBLICATIONS

1. Antony, J.W., **Romero, A.**, Vierra, A.H., Luenser, R.S., Hawkins, R.D., & Bennion, K.A. (2022) Semantic relatedness retroactively boosts memory and promotes memory interdependence across episodes. *eLife* 11:e72519. <https://doi.org/10.7554/eLife.72519>
2. Abiose, O., Rutledge, J., Losada, P., Belloy, M., Wilson, E.N., He, Z., Trelle, A.N., Channappa, D., **Romero, A.**, Park, J., Sha, S.J., Greicius, M.D., Poston, K., Wagner, A.D., Henderson, V.W., Wyss-Coray, T., Mormino, E.C. (2023) Post-translational modifications linked to preclinical Alzheimer's disease-related pathological and cognitive changes. *Alzheimer's Dementia*. 2023; 1-17. <https://doi.org/10.1002/alz.13576>
3. Young, C.B., Vossler, H., **Romero, A.**, Smith, V., Trelle, A.N., Wilson, E.N., Zeineh, M.M., Greicius, M.D., Sha, S.J., Khalighi, M., Anders, D., Shen, B., Zaharchuck, G., Henderson, V.W., Andreasson, K.I., Wagner, A.D., Poston, K.L., Davidzon, G.A., Mormino, E.C. (2024) [18F]-PI-2620 Tau PET signal across the aging and Alzheimer's Disease clinical spectrum. *Imaging Neuroscience* 2024; 2 1–16. https://doi.org/10.1162/imag_a_00329
4. Taghavi, H.M., Karimpoor, M., van Staaldin, E., Leventis, S., Young, C.B., Carlson, M., Davidzon, G.A., **Romero, A.**, Trelle, A.N., Zaharchuck, G., Poston, K.L., Vossler, H., Rosenberg, J., Georgiadis, M., Mormino, E.C., Zeineh, M. (2024) Elevated tau in the piriform cortex in Alzheimer's but not Parkinson's disease using PET-MR. *Alzheimer's Dementia*. 2024; 16:e70040. <https://doi.org/10.1002/dad2.70040>
5. Trelle, A.N., Young, C.B., Vossler, H., Ramos Benitez, J., Cody, K.A., Mendiola, J.H., Swarovski, M.S., Guen, Y.L., Feinstein, I., Butler, R.R. 3rd, Channappa, D., **Romero, A.**, Park, J., Shahid-Besanti, M., Corso, N.K., Chau, K., Smith, A.N., Skylar-Scott, I., Yutsis, M.V., Fredericks, C.A., Tian, L., Younes, K., Kerchner, G.A., Deutsch, G.K., Davidzon, G.A., Sha, S.J., Henderson, V.W., Longo, F.M., Greicius, M.D., Wyss-Coray, T., Andreasson, K.I., Poston, K.L., Wagner, A.D., Mormino, E.C., Wilson, E.N. Plasma A β 42/A β 40 is sensitive to early cerebral amyloid accumulation and predicts risk of cognitive decline across the Alzheimer's disease spectrum. (2024) *Alzheimer's Dementia*. 2024; 1-16. <https://doi.org/10.1002/alz.14442>
6. Winer, J., Vossler, H., Young, C.B., Smith, V., **Romero, A.**, Shahid-Besanti, M., Abdelnour, C., Wilson, E.C., Anders, D., Pacheco Morales, A., Andreasson, K.I., Yutsis, M.V., Henderson, V.W., Davidzon, G.A., Mormino, E.C., Poston, K. (2025) 8F-PI-2620 tau PET is associated with cognitive and motor impairment in Lewy body disease, *Brain Communications*, 2024; fcae458, <https://doi.org/10.1093/braincomms/fcae458>
7. Sheng, J., Trelle, A.N., **Romero, A.**, Park, J., Tran, T.T., Sha, S.J., Andreasson, K.I., Wilson, E.N., Mormino, E.C., Wagner, A.D. Top-down attention and Alzheimer's pathology affect cortical selectivity during learning, influencing episodic memory in older adults (2025) *Science Advances* 11,eads4206 <https://doi.org/10.1126/sciadv.ads4206>

Trelle, A.N., Sheng, J., Wilson, E.N., **Romero, A.**, Park, J., Kasireddy, N.M., Deutsch, G.K., Sha, S.J., Greicius, M.D., Andreasson, K.I., Kerchner, G.A., Mormino, E.C., Wagner, A.D. (under review) Synergistic effects of APOE4 and Alzheimer's disease biomarkers on cortical reinstatement in aging.

Winer, J., Plastini, M., **Romero, A.**, Vossler, H., Sai, I., Channappa, D., Abdelnour, C., Shahid-Besanti, M., Wilson, E.N., Young, C.B., Trelle, A.N., Yutsis, M.V., Sha, S.J., Ramirez, V., Taylor, R.G., Younes, K., Wyss-Coray, T., Henderson, V.W., Wagner, A.D., Poston, K.L., Mormino, E.C. (under review) Effects of alpha synuclein pathology in normal aging and Alzheimer's Disease. preprint: <https://www.medrxiv.org/content/10.1101/2025.08.06.25333152v1>

POSTERS

1. Winer, J., Plastini, M., **Romero, A.**, Vossler, H., Sai, I., Channappa, D., Abdelnour, C., Shahid-Besanti, M., Wilson, E.N., Young, C.B., Trelle, A.N., Yutsis, M.V., Sha, S.J., Ramirez, V., Taylor, R.G., Younes, K., Wyss-Coray, T., Henderson, V.W., Wagner, A.D., Poston, K.L., Mormino, E.C. (2026) Effects of alpha-synuclein pathology on synaptic dysfunction and clinical outcomes in normal aging and Alzheimer's disease. Poster submitted to the annual meeting of Alzheimer's Disease & Parkinson's Disease conference.
2. Sheng, J., Trelle, A.N., **Romero, A.**, Park, J., Tran, T.T., Sha, S.J., Andreasson, K.I., Wilson, E.N., Mormino, E.C., Wagner, A.D. (2025) Top-down attention and Alzheimer's pathology impact cortical selectivity during learning, influencing episodic memory in older adult. Poster presented at the annual meeting of Alzheimer's Association International Conference.
3. Trelle, A.N., Sheng, J., Tran, T.T., Wilson, E.N., Sai, I., **Romero, A.**, Park, J., Medina, L., Deutsch, G.K., Wagner, A.D., Mormino, E.C. (2025) Multimodal predictors of cross-sectional and longitudinal memory in a cognitively unimpaired aging cohort. Poster presented at the annual meeting of Alzheimer's Association International Conference.
4. Sai, I., Trelle, A.N., Sheng, J., Young, C.B., Younes, K., Park, J., Medina, L., **Romero, A.**, Vossler, H., Wagner, A.D., Mormino, E.C. (2025) Associations between proper name retrieval, associative memory, and regional tau accumulation in a normal aging cohort. Poster presented at the annual meeting of Alzheimer's Association International Conference.
5. **Romero, A.**, Mirjalili, S., Graetz, D., Guo, W., Wang, E., Mayr, U., Kuhl, B.A. (2025) Hippocampal repulsion as a function of memory similarity and experience. Poster presented at the annual meeting of Cognitive Neuroscience Society.
6. Sheng, J., Trelle, A.N., Young, C.B., **Romero, A.**, Park, J., Sai, I., Vossler, H., Wagner, A.D., Mormino, E.C. (2025) Associations between age-related tau deposition and neural selectivity in cognitively unimpaired older adults. Poster presented at the annual meeting of Human Amyloid Imaging.
7. Trelle, A.N., Cody, K.A., Nguyen, T.T., Winer, J., Weiss, S., **Romero, A.**, Sai, I., Wilson, E.N., Wagner, A.D., Maecker, H.T., Mormino, E.C. (2025) Effects of amyloid and tau status on multiplex plasma CNS and inflammatory proteins in a normal aging cohort. Poster presented at the annual meeting of Human Amyloid Imaging.
8. Winer, J., Plastini, M., **Romero, A.**, Smith, V., Young, C.B., Wilson, E.N., Trelle, A.N., Henderson, V.W., Wagner, A.D., Poston, K.L., Mormino, E.C. (2024) Effects of alpha synuclein pathology in normal aging and Alzheimer's disease. Poster presented at the annual meeting of Alzheimer's Association International Conference.
9. Washburn, A., Winer, J., **Romero, A.**, Henderson, V.W., Poston, K.L., Zeitzer, J., Mormino, E.C. (2024) Misperception of night-to-night sleep quality in Alzheimer's and Lewy body disease. Poster presented at the annual meeting of Alzheimer's Association International Conference.
10. Yang, H., Shwartz, S.T., Miller, D.S., He, M., Tran, T.T., Cheng, G., Park, J., Rathmann-Bloch, J.E., **Romero, A.**, Kerr, A., Vildavski, V.Y., Purdon, P.L., Mormino, E.C., Norcia, A.M., Wagner, A.D. (2024) Interactions between attention systems and their influence on episodic encoding revealed by simultaneous EEG-fMRI. Poster presented at the annual meeting of Cognitive Neuroscience Society.
11. **Romero, A.**, Winer, J., Tran, T.T., Rathmann-Bloch, J.E., Park, J., Shwartz, S.T., Miller, D.S., Anders, D., Morales, A., Wilson, E.N., Trelle, A.N., Andreasson, K.I., Mormino, E.C., Wagner, A.D. (2024) Tau and Amyloid associations with sustained attention and episodic memory performance in clinically unimpaired older adults. Poster presented at the annual meeting of Human Amyloid Imaging.

12. Winer, J., **Romero, A.**, Vossler, H., Young, C.B., Smith, V., Anders, D., Morales, A.P., Davidzon, G., Henderson, V.W., Poston, K.L., Zeitzer, J., Mormino, E.C. (2024) 18F-PI-26260 tau PET associations with sleep and 24-hour rhythms across aging and neurodegenerative disease. Poster presented at the annual meeting of Human Amyloid Imaging.
13. Young, C.B., Vossler, H., **Romero, A.**, Smith, V., Trelle, A.N., Wilson, E.N., Zeineh, M.M., Greicius, M.D., Sha, S.J., Khalighi, M., Anders, D., Shen, B., Zaharchuck, G., Henderson, V.W., Andreasson, K.I., Wagner, A.D., Poston, K.L., Davidzon, G.A., Mormino, E.C. (2024) [18F]-PI-2620 Tau PET signal across the aging and Alzheimer's Disease clinical spectrum. Poster presented at the annual meeting of Human Amyloid Imaging.
14. Winer, J., Vossler, H., Young, C.B., **Romero, A.**, Smith, V., Shahid, M., Abdelnour, C., Wilson, E.N., Anders, D., Morales, A.P., Davidzon, G., Mormino, E.C., Poston, K.L. (2024) Cortical and substantia nigra 18F-PI-2620 tau PET are associated with cognitive and motor impairment in Lewy body disease. Poster presented at the annual meeting of Human Amyloid Imaging.
15. Sankarasubramanian, S., **Romero, A.**, Park, J., Rathmann-Bloch, J.E., Schwartz, S.T., Miller, D.S., Tran, T.T., Vossler, H., Trelle, A.N., Mormino, E.C., Wagner, A.D. (2023) Relationship between white matter integrity, amyloid- β , and sustained attention in cognitively unimpaired older adults. Poster presented at the annual meeting of the Society for Neuroscience.
16. Sheng, J., Trelle, A.N., **Romero, A.**, Park, J., Mormino, E.C., Wagner, A.D. (2023) Category-level neural dedifferentiation is associated with memory and CSF biomarkers of Alzheimer's disease in cognitively unimpaired older adults. Poster presented at the annual meeting of the Society for Neuroscience.
17. Schwartz, S.T., Miller, D.S., Tran, T.T., Rathmann-Bloch, J.E., Park, J., **Romero, A.**, Vossler, H., Sheng, J., Yang, H., Winer, J., Mormino, E.C., Wagner, A.D. (2023) Effects of attention, goal representation, and amyloid burden on episodic retrieval in cognitively unimpaired older adults. Poster presented at the annual meeting of the Society for Neuroscience.
18. Park, J., Rathmann-Bloch, J.E., Sankarasubramanian, S., Miller, D.S., Schwartz, S.T., Tran, T.T., **Romero, A.**, Vossler, H., Trelle, A.N., Mormino, E.C., Wagner, A.D. (2023) Relationship between white matter integrity and episodic delayed recall performance in cognitively unimpaired older adults. Poster presented at the annual meeting of the Society for Neuroscience.
19. **Romero, A.**, Sankarasubramanian, S., Park, J., Rathmann-Bloch, J.E., Schwartz, S.T., Miller, D.S., Trelle, A.N., Tran, T.T., Mormino, E.C., Wagner, A.D. (2023) Relationship between white matter integrity, amyloid- β , and sustained attention in cognitively unimpaired older adults compared to younger adults. Poster presented at the annual Bay Area Memory Meeting.
20. **Romero, A.**, Tran, T.T., Schwartz, S.T., Miller, D.S., Rathmann-Bloch, J.E., Park, J., Winer, J., Trelle, A.N., Mormino, E.C., Wagner, A.D. (2023) Decreased sustained attention predicts memory variability in clinically unimpaired older adults. Poster presented at the annual Stanford School of Medicine Neuroscience Forum.
21. Winer, J., **Romero, A.**, Lok, R., Vossler, H., Young, C.B., Anders, D., Morales, A.P., Shen, B., Davidzon, G., Henderson, V.W., Poston, K.L., Zeitzer, J., Mormino, E.C. (2023) Tau and amyloid PET associations with impaired sleep and 24-hour rhythms across aging and neurodegenerative disease. Poster presented at the annual meeting of Alzheimer's Association International Conference.
22. Winer, J., Vossler, H., Young, C.B., **Romero, A.**, Shahid, M., Abdelnour, C., Anders, D., Morales, A.P., Shen, B., Davidzon, G., Mormino, E.C., Poston, K.L. (2023) Cortical and substantia nigra 18F-PI-2620 tau PET signal in Lewy body disease. Poster presented at the annual meeting of Alzheimer's Association International Conference.
23. Abiose, O., Rutledge, J., Losada, P., Belloy, M., Wilson, E.N., He, Z., Trelle, A.N., Channappa, D., **Romero, A.**, Park, J., Sha, S.J., Greicius, M.D., Poston, K.L., Wagner, A.D., Henderson, V.W., Wyss-Coray, T., Mormino, E.C. (2023) Ubiquitination Proteomic Network and Early Pathological Changes in Preclinical Alzheimer's Disease. Paper presented at the annual meeting of Alzheimer's Association International Conference.
24. Trelle, A.N., Wilson, E.N., **Romero, A.**, Kasireddy, N.M., Deutsch, G.K., Sha, S.J., Greicius, M.D., Andreasson, K.I., Carr, V.A., Kerchner, G.A., Mormino, E.C., Wagner, A.D. (2023) Associations of APOE4 and Alzheimer's disease biomarkers with cortical reinstatement and episodic memory in clinically unimpaired older adults. Poster presented at the annual meeting of Alzheimer's Association International Conference.

25. Young, C.B., Vossler, H., Winer, J., **Romero, A.**, Anders, D., Shen, B., Poston, K.L., Davidzon, G., Mormino, E.C. (2022) Acquisition time corrections for SUVR analyses of 18F-PI-2620. Poster presented at the annual meeting of Human Amyloid Imaging.
26. Winer, J., Vossler, H., Young, C.B., **Romero, A.**, Shahid, M., Abdelnour, C., Anders, D., Shen, B., Davidzon, G., Mormino, E.C., Poston, K.L. (2022) Substantia nigra 18F-PI-2620 PET signal is associated with motor impairment in Lewy body disease. Poster presented at the annual meeting of Human Amyloid Imaging.
27. **Romero, A.**, & Bennion, K.A. (2021). Effect of divided attention on emotional false memory depends on test format. Poster presented at the annual meeting of the Psychonomic Society Annual Meeting (virtual).
28. **Romero, A.**, & Bennion, K. A. (2021). Effects of divided attention at encoding and test format on emotional false memory. Research proposal poster presented at the annual meeting of the Association for Psychological Science (virtual).
29. Bennion, K.A., **Romero, A.**, Vierra, A.H., Van Dam, J., Miller, K., Nebel, R., Oliaei, S., Strawn, I., Thomas, N., & Antony, J.W. (2021). Retroactive interference or facilitation? Depends on similarity and retention interval. Poster presented to the annual meeting of the Western Psychological Association (virtual).
30. Antony, J.W., **Romero, A.**, Palmer, C., Whitwam, E., Vierra, A.H., Tewari, A., & Bennion, K. A. (2020). Testing Osgood's (1949) surface plot: Univariate and bivariate effects of cue and target semantic similarity on episodic recall. Poster presented at the annual meeting of the Psychonomic Society (virtual).

TEACHING ASSISTANT EXPERIENCE

Spring 2020, Winter 2021	Biopsychology, Instructor: Kelly A. Bennion
Fall 2018, Fall 2019	1st Year Seminar Cal Poly Scholars, Instructors: Tiffany Kwapnoski, Danny Zavala

OTHER RESEARCH EXPERIENCE

Fall 2021 – Summer 2024	Clinical Research Coordinator, Stanford University PI's: Elizabeth Mormino, Anthony Wagner
Summer 2021	Research Assistant, University of Pennsylvania PI: Sharon Thompson-Schill Postdoctoral Fellow Advisor: Alexa Tompary
Winter 2020 – Spring 2021	Lab Manager, Research Assistant, Cal Poly San Luis Obispo PI: Kelly Bennion
Spring 2020 – Spring 2021	Student Research Lead, Cal Poly San Luis Obispo Data Analyst Supervisor: Jacob Campbell
Summer 2020 – Fall 2020	Research Assistant, Cal Poly San Luis Obispo PI: Jay Bettergarcia
Summer 2019 – Winter 2020	Research Assistant, Cal Poly San Luis Obispo PI: Amber Williams

INVOLVEMENT & SERVICE

American Psychological Association Campus Ambassador (2021)
 Association for Psychological Science Grant Reviewer, Student Grant Competition (2021)
 Western Psychological Association Student Council Student Representative (2020 – 2021)
 Committee Member, Multicultural Scholars Program, Cal Poly (2020 – 2021)
 Committee Member, College of Liberal Arts Student Advisory Committee, Cal Poly (2019 – 2021)
 Committee Member, Psych & Child Dev Dept Student Advisory Committee, Cal Poly (2019 – 2021)
 Committee Member, Cal Poly Opportunity Fee Committee, Cal Poly (2019 – 2021)
 Mentor & Training Chair, Underrepresented Student Network, Cal Poly (2019 – 2021)

PROFESSIONAL MEMBERSHIPS

American Association of University Women, Cognitive Neuroscience Society, Psi Chi, Society for Neuroscience, Western Psychological Association