Stanford



Anthony Wagner

Lucie Stern Professor in the Social Sciences

Psychology

Bio

ACADEMIC APPOINTMENTS

- Professor, Psychology
- Member, Bio-X
- Member, Wu Tsai Human Performance Alliance
- Member, Wu Tsai Neurosciences Institute

ADMINISTRATIVE APPOINTMENTS

- Deputy Director, Stanford Wu Tsai Neurosciences Institute, (2021- present)
- Chair, Department of Psychology, (2018-2021)
- Director, Stanford Memory Laboratory, (2003- present)
- Professor, Department of Psychology, (2003- present)

PROGRAM AFFILIATIONS

- Symbolic Systems Program

PROFESSIONAL EDUCATION

- PhD, Stanford University , Psychology (Cog Neuroscience) (1997)

LINKS

- Stanford Memory Laboratory: http://memorylab.stanford.edu/

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Cognitive neuroscience of memory and cognitive/executive control in young and older adults. Research interests include encoding and retrieval mechanisms; interactions between declarative, nondeclarative, and working memory; forms of cognitive control; neurocognitive aging; functional organization of prefrontal cortex, parietal cortex, and the medial temporal lobe; assessed by functional MRI, scalp and intracranial EEG, and transcranial magnetic stimulation

Teaching

COURSES

2026-27

- Advanced Seminar on Memory: PSYCH 169 (Win)
- Introduction to Learning and Memory: PSYCH 45 (Spr)
- Models and Mechanisms of Memory: PSYCH 226 (Win)

2025-26

- Advanced Seminar on Memory: PSYCH 169 (Win)
- Cortical Plasticity: Perception and Memory: PSYCH 206 (Win)
- Introduction to Learning and Memory: PSYCH 45 (Spr)

2024-25

- Advanced Seminar on Memory: PSYCH 169 (Win)
- Cognitive and Neuroscience Friday Seminar: PSYCH 246 (Aut, Win)
- Current Debates in Learning and Memory: PSYCH 266 (Win)
- Introduction to Learning and Memory: PSYCH 45 (Spr)

2023-24

- Advanced Seminar on Memory: PSYCH 169 (Aut)
- Cognitive and Neuroscience Friday Seminar: PSYCH 246 (Aut, Win, Spr)
- Introduction to Learning and Memory: PSYCH 45 (Spr)
- Models and Mechanisms of Memory: PSYCH 226 (Win)

STANFORD ADVISEES

Doctoral Dissertation Reader (AC)

Alex Durango, Sabrina Jones, Lynde Wolf-Gorneault

Postdoctoral Faculty Sponsor

Subbulakshmi S, Jintao Sheng, Haopei Yang

Doctoral Dissertation Advisor (AC)

Douglas Miller, Alice Xue

Doctoral (Program)

Alice Xue

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Neurosciences (PhD Program)

Publications

PUBLICATIONS

- **Strong mnemonic prediction errors increase cognitive control, attention, and arousal** *ELIFE*
  Xue, A. M., Jokhani, J., Norcia, A. M., Wagner, A. D.
  2026; 15
- **Strong mnemonic prediction errors increase cognitive control, attention, and arousal.** *eLife*
  Xue, A. M., Jokhani, J., Norcia, A. M., Wagner, A. D.
  2026; 15
- **Plasma proteomic signatures of preclinical Alzheimer's disease in clinically unimpaired older adults.** *Molecular neurodegeneration*

Trelle, A. N., Cody, K. A., Nguyen, T. T., Winer, J. R., Weiss, S., Sai, I., Ward, T., Cheng, G., Channappa, D., Mendiola, J., Al-Rajhi, A., Raghuraman, K., Sha, et al
2026

- **Hippocampal patterns and associative memory: Distinct intracranial EEG temporal encoding patterns support memory.** *bioRxiv : the preprint server for biology*
  Xue, A. M., Hsu, S., LaRocque, K. F., Raccah, O., Gonzalez, A., Parvizi, J., Wagner, A. D.
  2026

- **Strong mnemonic prediction errors increase cognitive control, attention, and arousal.** *bioRxiv : the preprint server for biology*
  Xue, A. M., Jokhani, J., Norcia, A. M., Wagner, A. D.
  2025

- **Synergistic effects of APOE ε4 and Alzheimer's pathology on the neural correlates of episodic remembering in cognitively unimpaired older adults.** *bioRxiv : the preprint server for biology*
  Trelle, A. N., Sheng, J., Wilson, E. N., Romero, A., Park, J., Deutsch, G. K., Sha, S. J., Greicius, M. D., Andreasson, K. I., Kerchner, G. A., Mormino, E. C., Wagner, A. D.
  2025

- **Top-down attention and Alzheimer's pathology affect cortical selectivity during learning, influencing episodic memory in older adults.** *Science advances*
  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; 11 (24): eads4206

- **Attending to Remember: Recent Advances in Methods and Theory.** *Current directions in psychological science*
  Schwartz, S. T., Yang, H., Xue, A. M., Wagner, A. D.
  2025

- **Medial temporal cortex supports object perception by integrating over visuospatial sequences.** *Cognition*
  Bonnen, T., Wagner, A. D., Yamins, D. L.
  2025; 262: 106135

- **Age-Related differences in the relationship between sustained attention and associative memory and Memory-Guided inference.** *Cognitive, affective & behavioral neuroscience*
  Tran, T. T., Madore, K. P., Tobin, K. E., Block, S. H., Puliyadi, V., Hsu, S. C., Preston, A. R., Bakker, A., Wagner, A. D.
  2025

- **Representational integration and differentiation in the human hippocampus following goal-directed navigation.** *eLife*
  Fernandez, C., Jiang, J., Wang, S., Choi, H. L., Wagner, A. D.
  2023; 12

- **Readiness to remember: predicting variability in episodic memory.** *Trends in cognitive sciences*
  Madore, K. P., Wagner, A. D.
  2022

- **When the ventral visual stream is not enough: A deep learning account of medial temporal lobe involvement in perception.** *Neuron*
  Bonnen, T., Yamins, D. L., Wagner, A. D.
  2021

- **Memory failure predicted by attention lapsing and media multitasking.** *Nature*
  Madore, K. P., Khazenzon, A. M., Backes, C. W., Jiang, J., Uncapher, M. R., Norcia, A. M., Wagner, A. D.
  2020

- **Prefrontal reinstatement of contextual task demand is predicted by separable hippocampal patterns.** *Nature communications*
  Jiang, J., Wang, S., Guo, W., Fernandez, C., Wagner, A. D.
  2020; 11 (1): 2053

- **Hippocampal and cortical mechanisms at retrieval explain variability in episodic remembering in older adults.** *eLife*
  Trelle, A. N., Carr, V. A., Guerin, S. A., Thieu, M. K., Jayakumar, M. n., Guo, W. n., Nadiadwala, A. n., Corso, N. K., Hunt, M. P., Litovsky, C. P., Tanner, N. J., Deutsch, G. K., Bernstein, et al
  2020; 9

- **Stress Disrupts Human Hippocampal-Prefrontal Function during Prospective Spatial Navigation and Hinders Flexible Behavior.** *Current biology : CB*
  Brown, T. I., Gagnon, S. A., Wagner, A. D.
  2020
- **Stress Impairs Episodic Retrieval by Disrupting Hippocampal and Cortical Mechanisms of Remembering** *CEREBRAL CORTEX*
  Gagnon, S. A., Waskom, M. L., Brown, T. I., Wagner, A. D.
  2019; 29 (7): 2947–64
- **Hippocampal pattern separation supports reinforcement learning.** *Nature communications*
  Ballard, I. C., Wagner, A. D., McClure, S. M.
  2019; 10 (1): 1073
- **Minds and brains of media multitaskers: Current findings and future directions.** *Proceedings of the National Academy of Sciences of the United States of America*
  Uncapher, M. R., Wagner, A. D.
  2018; 115 (40): 9889–96
- **Individual differences in associative memory among older adults explained by hippocampal subfield structure and function** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Carr, V. A., Bernstein, J. D., Favila, S. E., Rutt, B. K., Kerchner, G. A., Wagner, A. D.
  2017; 114 (45): 12075–80
- **Distributed representation of context by intrinsic subnetworks in prefrontal cortex.** *Proceedings of the National Academy of Sciences of the United States of America*
  Waskom, M. L., Wagner, A. D.
  2017; 114 (8): 2030-2035
- **Prospective representation of navigational goals in the human hippocampus.** *Science*
  Brown, T. I., Carr, V. A., LaRocque, K. F., Favila, S. E., Gordon, A. M., Bowles, B., Bailenson, J. N., Wagner, A. D.
  2016; 352 (6291): 1323-1326
- **Electrocorticography reveals the temporal dynamics of posterior parietal cortical activity during recognition memory decisions** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Gonzalez, A., Hutchinson, J. B., Uncapher, M. R., Chen, J., LaRocque, K. F., Foster, B. L., Rangarajan, V., Parvizi, J., Wagner, A. D.
  2015; 112 (35): 11066-11071
- **Cortical Reinstatement Mediates the Relationship Between Content-Specific Encoding Activity and Subsequent Recollection Decisions** *CEREBRAL CORTEX*
  Gordon, A. M., Rissman, J., Kiani, R., Wagner, A. D.
  2014; 24 (12): 3350-3364
- **Frontoparietal representations of task context support the flexible control of goal-directed cognition.** *journal of neuroscience*
  Waskom, M. L., Kumaran, D., Gordon, A. M., Rissman, J., Wagner, A. D.
  2014; 34 (32): 10743-10755
- **Global Similarity and Pattern Separation in the Human Medial Temporal Lobe Predict Subsequent Memory** *JOURNAL OF NEUROSCIENCE*
  LaRocque, K. F., Smith, M. E., Carr, V. A., Witthoft, N., Grill-Spector, K., Wagner, A. D.
  2013; 33 (13): 5466-5474
- **Distributed Representations in Memory: Insights from Functional Brain Imaging** *ANNUAL REVIEW OF PSYCHOLOGY, VOL 63*
  Rissman, J., Wagner, A. D.
  2012; 63: 101-128
- **Fidelity of neural reactivation reveals competition between memories** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Kuhl, B. A., Rissman, J., Chun, M. M., Wagner, A. D.
  2011; 108 (14): 5903-5908
- **A Roadmap to Brain Mapping: Toward a Functional Map of Human Parietal Cortex** *NEURON*
  Uncapher, M. R., Hutchinson, J. B., Wagner, A. D.

2010; 67 (1): 5-8

- **Detecting individual memories through the neural decoding of memory states and past experience** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Rissman, J., Greely, H. T., Wagner, A. D.
  2010; 107 (21): 9849-9854
- **Resistance to forgetting associated with hippocampus-mediated reactivation during new learning** *NATURE NEUROSCIENCE*
  Kuhl, B. A., Shah, A. T., DuBrow, S., Wagner, A. D.
  2010; 13 (4): 501-U128
- **Imaging the Human Medial Temporal Lobe with High-Resolution fMRI** *NEURON*
  Carr, V. A., Rissman, J., Wagner, A. D.
  2010; 65 (3): 298-308
- **Cognitive control in media multitaskers** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Ophir, E., Nass, C., Wagner, A. D.
  2009; 106 (37): 15583-15587
- **Integrating Memories in the Human Brain: Hippocampal-Midbrain Encoding of Overlapping Events** *NEURON*
  Shohamy, D., Wagner, A. D.
  2008; 60 (2): 378-389
- **Decreased demands on cognitive control reveal the neural processing benefits of forgetting** *NATURE NEUROSCIENCE*
  Kuhl, B. A., Dudukovic, N. M., Kahn, I., Wagner, A. D.
  2007; 10 (7): 908-914
- **Left ventrolateral prefrontal cortex and the cognitive control of memory** *NEUROPSYCHOLOGIA*
  Badre, D., Wagner, A. D.
  2007; 45 (13): 2883-2901
- **Computational and neurobiological mechanisms underlying cognitive flexibility** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Badre, D., Wagner, A. D.
  2006; 103 (18): 7186-7191
- **Dissociable controlled retrieval and generalized selection mechanisms in ventrolateral prefrontal cortex** *NEURON*
  Badre, D., Poldrack, R. A., Pare-Blagoev, E. J., Insler, R. Z., Wagner, A. D.
  2005; 47 (6): 907-918
- **Parietal lobe contributions to episodic memory retrieval** *TRENDS IN COGNITIVE SCIENCES*
  Wagner, A. D., Shannon, B. J., Kahn, I., Buckner, R. L.
  2005; 9 (9): 445-453
- **Memory strength and repetition suppression: Multimodal imaging of medial temporal cortical contributions to recognition** *NEURON*
  Gonsalves, B. D., Kahn, I., Curran, T., Norman, K. A., Wagner, A. D.
  2005; 47 (5): 751-761
- **Selection, integration, and conflict monitoring: Assessing the nature and generality of prefrontal cognitive control mechanisms** *NEURON*
  Badre, D., Wagner, A. D.
  2004; 41 (3): 473-487
- **Multiple routes to memory: Distinct medial temporal lobe processes build item and source memories** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Davachi, L., Mitchell, J. P., Wagner, A. D.
  2003; 100 (4): 2157-2162
- **Executive control during episodic retrieval: Multiple prefrontal processes subserve source memory** *NEURON*
  Dobbins, I. G., Foley, H., Schacter, D. L., Wagner, A. D.
  2002; 35 (5): 989-996

- **Observing the transformation of experience into memory** *TRENDS IN COGNITIVE SCIENCES*
  Paller, K. A., Wagner, A. D.
  2002; 6 (2): 93-102
- **Recovering meaning: Left prefrontal cortex guides controlled semantic retrieval** *NEURON*
  Wagner, A. D., Pare-Blagoev, E. J., Clark, J., Poldrack, R. A.
  2001; 31 (2): 329-338
- **Building memories: Remembering and forgetting of verbal experiences as predicted by brain activity** *SCIENCE*
  Wagner, A. D., Schacter, D. L., Rotte, M., Koutstaal, W., Maril, A., Dale, A. M., Rosen, B. R., Buckner, R. L.
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- **Alzheimer's disease blood biomarkers reveal proteomic modules of disease progression.** *medRxiv : the preprint server for health sciences*
  Butler, R. R., Brown, M. P., Weber, A. J., Cary, G. A., Le Guen, Y., Losada, P. M., Mendiola, J. H., Henderson, V. W., Sha, S. J., Poston, K. L., Andreasson, K. I., Wagner, A. D., Mormino, et al
  2026
- **Ventral striatal and caudate contributions to episodic retrieval.** *Neuropsychologia*
  Sommer, T., Bierbrauer, A., Gamer, M., Wagner, A. D.
  2026; 234: 109611
- **The Cost to Scroll: Short-form Video Use and Episodic Memory.** *bioRxiv : the preprint server for biology*
  Chen, K. K., Miller, D. S., Nguyen, K. K., Wagner, A. D., Tran, T. T.
  2026
- **Dissociable structural and molecular pathways of age-related change in sustained attention.** *bioRxiv : the preprint server for biology*
  Subbulakshmi, S., Park, J., Rathmann-Bloch, J., Ward, T., Cheng, G. L., Miller, D. S., Schwartz, S. T., Sheng, J., Tran, T. T., Sha, S. J., Deutsch, G., Trelle, A. N., Mormino, et al
  2026
- **Effects of α-synuclein pathology on synaptic dysfunction and clinical outcomes in normal aging.** *Alzheimer's & dementia : the journal of the Alzheimer's Association*
  Winer, J. R., Plastini, M. J., Romero, A., Vossler, H., Sai, I., Channappa, D., Abdelnour, C., Shahid-Besanti, M., Wilson, E. N., Oh, H. S., Young, C. B., Trelle, A., Yutsis, et al
  2026; 22 (5): e71455
- **OMG! A proteomic determinant of neurodegenerative resiliency.** *Molecular neurodegeneration*
  Duggan, M. R., Oh, H. S., Frank, P., Gomez, G. T., Zweibaum, D., Cui, Y., Chen, J., Surapaneni, A., Blew, C. O., Dark, H. E., Joynes, C. M., Kandala, S., Bilgel, et al
  2026
- **Biomarkers.** *Alzheimer's & dementia : the journal of the Alzheimer's Association*
  Taghavi, H. M., Karimpoor, M., van Staalduinen, E., Young, C. B., Georgiadis, M., Carlson, M. L., Romero, A., Trelle, A. N., Vossler, H., Yutsis, M., Rosenberg, J., Davidzon, G. A., Zaharchuk, et al
  2025; 21 Suppl 2 (Suppl 2): e096159
- **Biomarkers.** *Alzheimer's & dementia : the journal of the Alzheimer's Association*
  Oh, H. S., Urey, D. Y., Karlsson, L., Zhu, Z., Shen, Y., Farinas, A., Timsina, J., Duggan, M. R., Chen, J., Guldner, I. H., Morshed, N., Yang, C., Western, et al
  2025; 21 Suppl 2: e102349
- **Alzheimer's Imaging Consortium.** *Alzheimer's & dementia : the journal of the Alzheimer's Association*
  Sai, I., Trelle, A. N., Sheng, J., Young, C. B., Younes, K., Park, J., Guerra, L. M., Romero, A., Vossler, H., Wagner, A. D., Mormino, E. C.
  2025; 21 Suppl 8 (Suppl 8): e109870
- **Alzheimer's Imaging Consortium.** *Alzheimer's & dementia : the journal of the Alzheimer's Association*
  Trelle, A. N., Sheng, J., Tran, T. T., Wilson, T. N., Sai, I., Romero, A., Park, J., Guerra, L. M., Deutsch, G. K., Wagner, A. D., Mormino, E. C.
  2025; 21 Suppl 8 (Suppl 8): e110143
- **Public Health.** *Alzheimer's & dementia : the journal of the Alzheimer's Association*
  Lu, O., Trelle, A. N., Young, C. B., Mormino, E. C., Wagner, A. D., He, Z., Carr, V. A., Sha, S. J., Vossler, H., Romero, A., Park, J., Skylar-Scott, I. A.

2025; 21 Suppl 6 (Suppl 6): e107011

- **Long-read genome sequencing and multi-omics in aging and neurodegeneration.** *medRxiv : the preprint server for health sciences*
  Jensen, T. D., Le Guen, Y., Talozzi, L., Yang, S., Gorzynski, J., Peña-Tauber, A., Stewart, I., Ferrasse, A., Nachun, D., Arriaga, M. T., Lee, J., Pulgrossi, R. C., Park, et al
  2025

- **Plasma proteomic signatures of preclinical Alzheimer's disease biomarkers and memory in clinically unimpaired older adults.** *medRxiv : the preprint server for health sciences*
  Trelle, A. N., Cody, K. A., Nguyen, T. T., Winer, J. R., Weiss, S., Sai, I., Channappa, D., Mendiola, J., Al-Rajhi, A., Raghuraman, K., Sha, S. J., Wilson, E. N., Wyss-Coray, et al
  2025

- **Disruption of the cerebrospinal fluid-plasma protein balance in cognitive impairment and aging.** *Nature medicine*
  Farinas, A., Rutledge, J., Bot, V. A., Western, D., Ying, K., Lawrence, K. A., Oh, H. S., Yoon, S., Ding, D. Y., Tsai, A. P., Moran-Losada, P., Timsina, J., Le Guen, et al
  2025

- **Direct interactions between the human insula and hippocampus during memory encoding.** *Nature neuroscience*
  Huang, W., Lyu, D., Stieger, J. R., Gotlib, I. H., Buch, V., Wagner, A. D., Parvizi, J.
  2025

- **Plasma proteomics links brain and immune system aging with healthspan and longevity.** *Nature medicine*
  Oh, H. S., Le Guen, Y., Rappoport, N., Urey, D. Y., Farinas, A., Rutledge, J., Channappa, D., Wagner, A. D., Mormino, E., Brunet, A., Greicius, M. D., Wyss-Coray, T.
  2025

- **Self-review and feedback in virtual reality dialogues increase language markers of personal and emotional expression in an empathetic communication training experience** *COMPUTERS & EDUCATION: X REALITY*
  Queiroz, A. C. M., Bailenson, J. N., Blair, K., Schwartz, D. L., Thille, C., Wagner, A. D.
  2025; 7

- **Attending to Remember: Recent Advances in Methods and Theory** *CURRENT DIRECTIONS IN PSYCHOLOGICAL SCIENCE*
  Schwartz, S. T., Yang, H., Xue, A. M., Wagner, A. D.
  2025

- **Parkinson's disease is characterized by vitamin B6-dependent inflammatory kynurenine pathway dysfunction.** *NPJ Parkinson's disease*
  Wilson, E. N., Umans, J., Swarovski, M. S., Minhas, P. S., Mendiola, J. H., Midttun, Ø., Ulvik, A., Shahid-Besanti, M., Linortner, P., Mhatre, S. D., Wang, Q., Channappa, D., Corso, et al
  2025; 11 (1): 96

- **A cerebrospinal fluid synaptic protein biomarker for prediction of cognitive resilience versus decline in Alzheimer's disease.** *Nature medicine*
  Oh, H. S., Urey, D. Y., Karlsson, L., Zhu, Z., Shen, Y., Farinas, A., Timsina, J., Duggan, M. R., Chen, J., Guldner, I. H., Morshed, N., Yang, C., Western, et al
  2025

- **Post-retrieval noradrenergic activation impairs subsequent memory depending on cortico-hippocampal reactivation.** *eLife*
  Heinbockel, H., Leicht, G., Wagner, A. D., Schwabe, L.
  2025; 13

- **Post-retrieval noradrenergic activation impairs subsequent memory depending on cortico-hippocampal reactivation** *ELIFE*
  Heinbockel, H., Leicht, G., Wagner, A. D., Schwabe, L.
  2025; 13

- **Plasma Aβ42/Aβ40 is sensitive to early cerebral amyloid accumulation and predicts risk of cognitive decline across the Alzheimer's disease spectrum.** *Alzheimer's & dementia : the journal of the Alzheimer's Association*
  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., Channappa, D., Romero, A., Park, et al
  2024

- **Top-down attention and Alzheimer's pathology impact cortical selectivity during learning, influencing episodic memory in older adults.** *bioRxiv : the preprint server for biology*
  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.
  2024

- **Clinical Manifestations.** *Alzheimer's & dementia : the journal of the Alzheimer's Association*
  Taghavi, H. M., Karimpoor, M., van Staalduinen, E., Leventis, S., Young, C. B., Carlson, M. L., Davidzon, G. A., Romero, A., Trelle, A. N., Zaharchuk, G., Vossler, H., Rosenberg, J., Poston, et al
  2024; 20 Suppl 3: e092936

- **Developing Topics.** *Alzheimer's & dementia : the journal of the Alzheimer's Association*
  Winer, J. R., Plastini, M. J., Romero, A., Wilson, E. N., Young, C. B., Trelle, A. N., Henderson, V. W., Wagner, A. D., Poston, K. L., Mormino, E.
  2024; 20 Suppl 8: e095792

- **Elevated tau in the piriform cortex in Alzheimer's but not Parkinson's disease using PET-MR.** *Alzheimer's & dementia (Amsterdam, Netherlands)*
  Moein Taghavi, H., Karimpoor, M., van Staalduinen, E. K., Young, C. B., Georgiadis, M., Leventis, S., Carlson, M., Romero, A., Trelle, A., Vossler, H., Yutsis, M., Rosenberg, J., Davidzon, et al
  2024; 16 (4): e70040

- **[18F]PI-2620 Tau PET signal across the aging and Alzheimer's disease clinical spectrum.** *Imaging neuroscience (Cambridge, Mass.)*
  Young, C. B., Vossler, H., Romero, A., Smith, V., Park, J., Trelle, A. N., Winer, J. R., Wilson, E. N., Zeineh, M. M., Sha, S. J., Khalighi, M., Yutsis, M. V., Morales, et al
  2024; 2

- **[18F]PI-2620 Tau PET signal across the aging and Alzheimer's disease clinical spectrum** *IMAGING NEUROSCIENCE*
  Young, C. B., Vossler, H., Romero, A., Smith, V., Park, J., Trelle, A. N., Winer, J. R., Wilson, E. N., Zeineh, M. M., Sha, S. J., Khalighi, M., Yutsis, M. V., Morales, et al
  2024; 2: 18

- **Parkinson's disease is characterized by vitamin B6-dependent inflammatory kynurenine pathway dysfunction.** *Research square*
  Wilson, E., Umans, J., Swarovski, M., Minhas, P., Midttun, Ø., Ulvik, A. A., Shahid-Besanti, M., Linortner, P., Mhatre, S., Wang, Q., Channappa, D., Corso, N., Tian, et al
  2024

- **Cross-regional coordination of activity in the human brain during autobiographical self-referential processing.** *Proceedings of the National Academy of Sciences of the United States of America*
  Stieger, J. R., Pinheiro-Chagas, P., Fang, Y., Li, J., Lusk, Z., Perry, C. M., Girn, M., Contreras, D., Chen, Q., Huguenard, J. R., Spreng, R. N., Edlow, B. L., Wagner, et al
  2024; 121 (32): e2316021121

- **Florbetaben amyloid PET acquisition time: Influence on Centiloids and interpretation.** *Alzheimer's & dementia : the journal of the Alzheimer's Association*
  Johns, E., Vossler, H. A., Young, C. B., Carlson, M. L., Winer, J. R., Younes, K., Park, J., Rathmann-Bloch, J., Smith, V., Harrison, T. M., Landau, S., Henderson, V., Wagner, et al
  2024

- **Post-retrieval stress impairs subsequent memory depending on hippocampal memory trace reinstatement during reactivation.** *Science advances*
  Heinbockel, H., Wagner, A. D., Schwabe, L.
  2024; 10 (18): eadm7504

- **Comprehensive proteomics of CSF, plasma, and urine identify DDC and other biomarkers of early Parkinson's disease.** *Acta neuropathologica*
  Rutledge, J., Lehallier, B., Zarifkar, P., Losada, P. M., Shahid-Besanti, M., Western, D., Gorijala, P., Ryman, S., Yutsis, M., Deutsch, G. K., Mormino, E., Trelle, A., Wagner, et al
  2024; 147 (1): 52

- **A 3'UTR Insertion Is a Candidate Causal Variant at the TMEM106B Locus Associated With Increased Risk for FTLD-TDP.** *Neurology. Genetics*
  Chemparathy, A., Le Guen, Y., Zeng, Y., Gorzynski, J., Jensen, T. D., Yang, C., Kasireddy, N., Talozzi, L., Belloy, M., Stewart, I., Gitler, A. D., Wagner, A. D., Mormino, et al

2024; 10 (1): e200124

- **Extended Realities and the Future of Knowledge Work: Opportunities and Challenges**
  Queiroz, A. C. M., Bailenson, J. N., Blair, K., Schwartz, D. L., Thille, C., Wagner, A., IEEE COMPUTER SOC
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