

Stanford



Karly Cody

Postdoctoral Scholar, Neurology and Neurological Sciences

Bio

BIO

Karly Cody completed her PhD in Neuroscience at the University of Wisconsin in the lab of Dr. Sterling Johnson. Her doctoral research focused on characterizing the preclinical disease stage of Alzheimer's disease using health, biomarker, and cognitive profiles obtained in late-midlife. At Stanford, Karly's research combines neuroimaging and fluid biomarkers to study trajectories of aging, including healthy brain aging as well as Alzheimer's disease and related dementias.

STANFORD ADVISORS

- Elizabeth Mormino, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Characterizing brain tau and cognitive decline along the amyloid timeline in Alzheimer's disease.** *Brain : a journal of neurology*
Cody, K. A., Langhough, R. E., Zammit, M. D., Clark, L., Chin, N., Christian, B. T., Betthauser, T. J., Johnson, S. C.
2024
- **Longitudinal normative standards for cognitive tests and composites using harmonized data from two Wisconsin AD-risk-enriched cohorts.** *Alzheimer's & dementia : the journal of the Alzheimer's Association*
Jonaitis, E. M., Hermann, B. P., Mueller, K. D., Clark, L. R., Du, L., Betthauser, T. J., Cody, K., Gleason, C. E., Christian, B. T., Asthana, S., Chappell, R. J., Chin, N. A., Johnson, et al
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- **Diagnostic Accuracy of a Plasma Phosphorylated Tau 217 Immunoassay for Alzheimer Disease Pathology.** *JAMA neurology*
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2024
- **Normative Cerebral Hemodynamics in Middle-aged and Older Adults Using 4D Flow MRI: Initial Analysis of Vascular Aging** *RADIOLOGY*
Roberts, G. S., Peret, A., Jonaitis, E. M., Kosik, R. L., Hoffman, C. A., Rivera-Rivera, L. A., Cody, K. A., Rowley, H. A., Johnson, S. C., Wieben, O., Johnson, K. M., Eisenmenger, L. B.
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- **Plasma phosphorylated tau 217 in preclinical Alzheimer's disease** *BRAIN COMMUNICATIONS*
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2023; 80 (4): 360-369

● **Age at natural menopause impacts cerebrovascular reactivity and brain structure** *AMERICAN JOURNAL OF PHYSIOLOGY-REGULATORY INTEGRATIVE AND COMPARATIVE PHYSIOLOGY*

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● **Optimal combinations of CSF biomarkers for predicting cognitive decline and clinical conversion in cognitively unimpaired participants and mild cognitive impairment patients: A multi-cohort study** *ALZHEIMERS & DEMENTIA*

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● **Differential roles of A beta 42/40, p-tau231 and p-tau217 for Alzheimer's trial selection and disease monitoring** *NATURE MEDICINE*

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● **Sympathoexcitatory Responses to Isometric Handgrip Exercise Are Associated With White Matter Hyperintensities in Middle-Aged and Older Adults** *FRONTIERS IN AGING NEUROSCIENCE*

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● **Associations of the Lifestyle for Brain Health index with longitudinal cognition and brain amyloid beta in clinically unimpaired older adults: Findings from the Wisconsin Registry for Alzheimer's Prevention** *ALZHEIMER'S & DEMENTIA: DIAGNOSIS, ASSESSMENT & DISEASE MONITORING*

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● **Trajectory of clinical symptoms in relation to amyloid chronicity** *ALZHEIMER'S & DEMENTIA: DIAGNOSIS, ASSESSMENT & DISEASE MONITORING*

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● **White matter microstructure associations to amyloid burden in adults with Down syndrome** *NEUROIMAGE-CLINICAL*

Bazydlo, A. M., Zammit, M. D., Wu, M., Lao, P. J., Dean, D. C., Johnson, S. C., Tudorascu, D. L., Cohen, A., Cody, K. A., Ances, B., Laymon, C. M., Klunk, W. E., Zaman, et al
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● **White matter microstructure associations with episodic memory in adults with Down syndrome: a tract-based spatial statistics study** *JOURNAL OF NEURODEVELOPMENTAL DISORDERS*

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● **Prescription Medications and Co-Morbidities in Late Middle-Age are Associated with Greater Cognitive Declines: Results from WRAP.** *Frontiers in aging*

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- **Assessment of vascular stiffness in the internal carotid artery proximal to the carotid canal in Alzheimer's disease using pulse wave velocity from low rank reconstructed 4D flow MRI** *JOURNAL OF CEREBRAL BLOOD FLOW AND METABOLISM*
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- **Amyloid accumulation in Down syndrome measured with amyloid load** *ALZHEIMER'S & DEMENTIA: DIAGNOSIS, ASSESSMENT & DISEASE MONITORING*
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