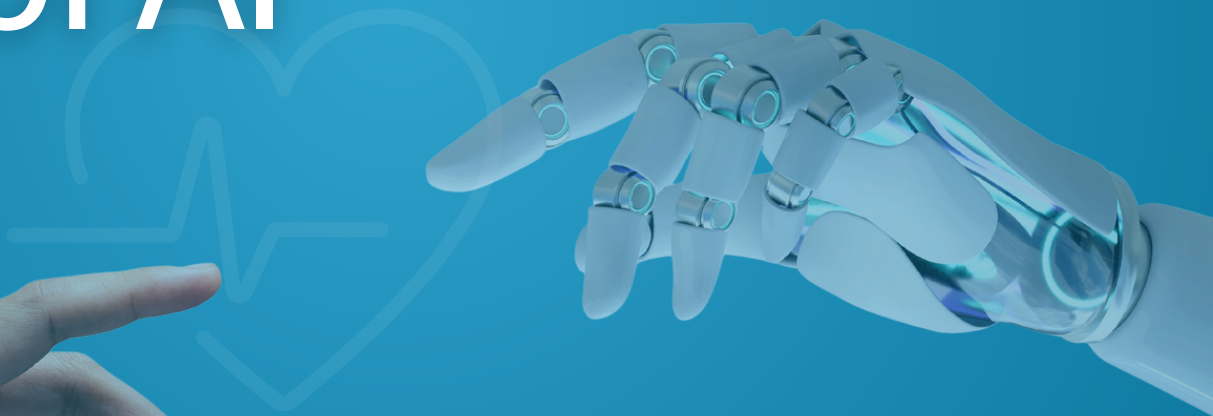


A SYLVAN M. COHEN ANNUAL RETREAT AND POSTER SESSION

Hosted by the Institute on Aging and PennAITech



Aging Reimagined: Innovation in the Era of AI



November 21, 2025 | Smilow Center, University of Pennsylvania | 8:30am - 4:30pm

AGENDA

8:30am	Breakfast
9:00am	Welcome and Opening Remarks
9:30am	Keynote Lecture Redrawing the Boundaries of Innovation: Making AI Work in Real Life Amanda Lazar, PhD University of Maryland
10:30am	Break
10:40am	Presentation Panel and Discussion Supporting Caregivers of Persons Living with Dementia at Home: Lessons Learned from the Aliviado Caregiving Feasibility Study Ab Brody, PhD, RN, FAAN, New York University Personal Determinants of Health Enhanced Machine Learning Models for Early Prediction of Alzheimer's Disease and Related Dementias Aidong Zhang, PhD, University of Virginia Bridging Technology and Care: AI Innovations in Non-Invasive Diabetes Monitoring for Older Adults Maria Valero, PhD, Kennesaw State University <i>Group Discussion/Q&A</i>
12:00pm	Lunch and Poster Viewing
1:00pm	TissueLab: A co-evolving agentic AI system for medical image analysis Zhi Huang, PhD, University of Pennsylvania
1:20pm	High frequency cognitive testing in Alzheimer's Disease to detect disease progression Daniel Z. Press, MD, Beth Israel Deaconess Medical Center
1:40pm	Accessible motor function assessment for MCI, fall risk, and frailty Trent Guess, PhD, University of Missouri
2:00pm	Panel by PennAITech Awardees AI-based Diagnostic Decision Support in Primary Care for Older Adults Gary Weissman, MD, MSHP, University of Pennsylvania Reading Between the Lines: The Promise and Pitfalls of Using AI to Detect Caregiver Burden Nancy Hodgson, PhD, RN, FAAN, University of Pennsylvania Using machine learning to develop a representative genetic-distance corrected epigenetic clock for understanding disparities in aging and AD/ADRD Rory Boyle, PhD, University of Pennsylvania Discrimination of Alzheimer's Disease and Related Dementias from Similar-Aged Controls Using Cogwear EEG Wearable David Yonce, Cogwear
3:30pm	Break
3:45pm	Poster Session
4:30pm	Poster Award Announcements

SPEAKERS



Amanda Lazar, PhD
University of Maryland



Trent Guess, PhD
University of Missouri



Ab Brody, PhD, RN, FAAN
New York University



Gary Weissman, MD, MSHP
University of Pennsylvania



Aidong Zhang, PhD
University of Virginia



Nancy Hodgson, PhD, RN, FAAN
University of Pennsylvania



Maria Valero, PhD
Kennesaw State University



Rory Boyle, PhD
University of Pennsylvania



Zhi Huang, PhD
University of Pennsylvania



David Yonce
Cogwear



Daniel Z. Press, MD
Beth Israel Deaconess Medical Center

Scan the QR code to learn more about this year's speakers.



INSTITUTE ON AGING

The mission of the Institute on Aging (IOA) at the University of Pennsylvania is to improve the health of older adults by increasing the quality and quantity of clinical and basic research as well as educational programs focusing on normal aging and aging-related diseases across the entire Penn campus.

Scan the QR code to learn more about the IOA:



PENNAITECH

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The overarching goal of the Penn Artificial Intelligence and Technology (PennAITech) Collaboratory for Healthy Aging is to identify, develop, evaluate, commercialize, and disseminate innovative technology and artificial intelligence (AI) methods and software to support older adults and those with Alzheimer's Disease (AD) and Alzheimer's Disease and Related Dementias (ADRD) in their home environment.

Scan the QR code to learn more about PennAITech:

