



Aging Reimagined: Innovation in the Era of AI

A SYLVAN M. COHEN ANNUAL RETREAT AND POSTER SESSION

Hosted by the Institute on Aging and PennAITech

AGENDA

- 8:30am** **Breakfast**
- 9:00am** **Welcome and Opening Remarks**
Jason Kavulich, Pennsylvania Secretary of Aging
- 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
Group Discussion/Q&A
- 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/ABDR
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



Ab Brody, PhD, RN, FAAN
New York University



Aidong Zhang, PhD
University of Virginia



Maria Valero, PhD
Kennesaw State University



Zhi Huang, PhD
University of Pennsylvania



Daniel Z. Press, MD
Beth Israel Deaconess Medical Center



Trent Guess, PhD
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Rory Boyle, PhD
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David Yonce
Cogwear

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

Learn more at: www.med.upenn.edu/aging