

**Arizona Alzheimer's Consortium**  
**23<sup>rd</sup> Annual Conference – Thursday September 22nd, 2022**  
**Arizona State University (Host Institution)**  
**Memorial Union**  
**301 E Orange St., Tempe, AZ 85281**

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- 8:15 – 9:30 AM**     **POSTER PRESENTATION SET-UP & CONTINENTAL BREAKFAST**
- 9:30 – 9:40AM**     **WELCOME**  
Matthew Hulver PhD, Vice President & Professor, ASU Knowledge Enterprise and Vice President & Professor, College of Health Solutions  
Dr. Hulver is responsible for identifying and deploying strategies to grow and diversify ASU's research enterprise.
- 9:40 – 10:00AM**     **INTRODUCTION**  
Eric M. Reiman, M.D.  
CEO, Banner Research  
Director, Arizona Alzheimer's Consortium
- 10:00 – 11:15AM**     **LEON THAL MEMORIAL LECTURE**  
**New Discoveries in the Preclinical Phase of Alzheimer's Disease: Findings from the Wisconsin Registry for Alzheimer's Prevention**  
Sterling Johnson, PhD  
Jean R. Finley Professor of Geriatrics and Dementia  
Principal Investigator for the WRAP Study  
Associate Director, Wisconsin Alzheimer Disease Research Center  
University of Wisconsin School of Medicine and Public Health
- 11:15 – 12:30PM**     **ORAL RESEARCH PRESENTATIONS – SESSION I**
- 12:30 PM*             *Students Group Photo – Arizona Ballroom*
- 12:30 – 1:45PM**     **POSTER SESSION I & LUNCH**
- 1:45 – 3:00PM**     **POSTER SESSION II & LUNCH**
- 3:00 – 4:15PM**     **ORAL RESEARCH PRESENTATIONS – SESSION II**
- 4:15 – 4:30PM**     **CLOSING REMARKS**  
Eric M. Reiman, M.D.

## Arizona Alzheimer's Consortium

### 23rd Annual Conference - Oral Research Presentations

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#### **SESSION I Moderators: Heather Bimonte-Nelson, PhD & Zaven Khachaturian, PhD**

- 11:15 – 11:26 AM **Initial findings from the Alzheimer's Prevention Initiative Autosomal Dominant Alzheimer's Disease Colombia Trial.**  
Jessica Langbaum, PhD — Banner Alzheimer's Institute.
- 11:27 – 11:38 AM **Effects of aerobic exercise on cognition and imaging biomarkers in older adults with Alzheimer's disease dementia.**  
Fang Yu, PhD, RN, GNP-BC, FGSA, FAAN — Arizona State University.
- 11:39 – 11:50 AM **Clinical predictors of Alzheimer's disease development in patients with mild cognitive impairment, using synthetic data derived from Veterans Affairs electronic health records.**  
Chase Irwin, MS — University of Arizona – College of Medicine-Phoenix.
- 11:51 – 12:02 PM **Statin responder analysis for precision prevention of Alzheimer's disease.**  
Georgina Torrandell-Haro — University of Arizona.
- 12:03 – 12:14 PM **Heparin treatment is associated with a delayed diagnosis of Alzheimer's dementia in electronic health records from two large United States health systems.**  
Benjamin Readhead, MBBS — Arizona State University.
- 12:15 – 12:26 PM **Cerebral microvascular dysfunction in 5x-FAD mice: role of biological sex, BK channel activity and oxidative stress.**  
Josiane Fernandes da Silva, PhD — University of Arizona.

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#### SESSION II Moderators: David W. Coon, PhD & Matthew Huentelman, PhD

- 3:00 – 3:11 PM **Deep learning application in retinal imaging classification of Alzheimer's disease.**  
Oana M. Dumitrascu, MD, MSc — Mayo Clinic Arizona.
- 3:12 – 3:23 PM **Longitudinal motor decline in Dementia with Lewy Bodies and Parkinson's Disease Dementia in the Arizona Study of Aging and Neurodegenerative Disease.**  
Parichita Choudhury, MD, MSc — Banner Sun Health Research Institute.
- 3:24 – 3:35 PM **Advancing Evidence-based ADRD Caregiver Interventions through Technology.**  
Abigail Gómez-Morales — Arizona State University.
- 3:36 – 3:47 PM **Neurogenetics of aging voice and implications for neurodegenerative diseases.**  
Julie E. Miller, PhD — University of Arizona.
- 3:48 – 3:59 PM **Florbetapir PET Measurements of amyloid plaques deposition are more closely correlated with cross-sectional and longitudinal cognitive and clinical measurements using a white matter reference region-of-interest.**  
Vedanshi Bhargava — University of Arizona College of Medicine-Phoenix.
- 4:00 – 4:11 PM **Head-to-head comparison of four plasma phospho-tau immunoassays in the neuropathological diagnosis of Alzheimer's disease.**  
Michael Malek-Ahmadi, PhD, MSPH — Banner Alzheimer's Institute.