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Alzheimer's Association International Conference (AAIC) 2024
Technology and Dementia Professional Interest Area (PIA) Preconference
Agenda for Session 2: Empowering Innovation in AI/Tech + Aging
Marriott Philadelphia Downtown
July 27, 2024 • 10:20-11:40 a.m.

10:20   **Introduction to the Artificial Intelligence and Technology Collaboratories (AITC) for Aging Research Program**
George Demiris, PhD, University of Pennsylvania, PennAITech Co-PI
- Johns Hopkins Artificial Intelligence and Technology Collaboratory for Aging Research (JH AITC)
- Massachusetts AI and Technology Center for Connected Care in Aging and Alzheimer's Disease (MassAITC)
- Penn Artificial Intelligence and Technology Collaboratory for Healthy Aging (PennAITech)

10:30   **Pilot Project Showcase**
Moderator: **Sudeshna Das, PhD**, Harvard University, MassAITC AD/ADRD Pilot Core Co-Lead
- **Everyday function**
  - WellSaid.ai: Conversational AI for wellness coaching and cognitive impairment detection in the home – **Randall Williams, MD**, WellSaid.ai
  - Intelligent cognitive assistant leveraging natural language processing to provide word retrieval support – **Archna Bhatia, PhD**, Institute for Human & Machine Cognition
- **Reaching underserved people and reducing disparities**
  - AI-driven AD/ADRD risk prediction models using explainable machine learning and bias identification and mitigation techniques to aid point-of-care clinical decision support – **Li Shen, PhD**, University of Pennsylvania
  - SingFit: Equitable machine learning-based music intervention for at-risk older adults – **Jennifer Myers, PhD**, Musical Health Technologies
- **Disease/symptom screening and prediction**
  - EDDA: AI algorithm for clinical decision support systems to assess cognitive function and detect probable dementia cases in older emergency department patients – **Ula Hwang, MD, MPH**, NYU Langone and **Andrew Taylor, MD, MHS**, Yale University
  - AI-based diagnostic clinical decision support system using collective intelligence and imitation learning to improve primary care diagnostics for older adults – **Gary Weissman, MD, MSHP**, University of Pennsylvania)

11:20   **General Q&A**
Moderator: **Quincy Samus, PhD**, Johns Hopkins University, AD/ADRD Pilot Core Co-Lead

11:40   **Adjourn**