



S O A R i n D O M
SHARING OPPORTUNITIES and ACHIEVEMENTS IN RESEARCH

HALLMARKS OF AGING RESEARCH FORUM

NOVEMBER 6, 2025

AGENDA

4:00 pm Check In / Raffle tickets / Poster set up

4:10pm Welcome

Janet Funk, MS, MD, Vice Chair of Research & Professor, DOM

4:12pm Opening Remarks:

Opportunities and Challenges in Aging Research

Mindy Fain, MD, Co-Director, University of Arizona Center on Aging
Chief, Division of General Internal Medicine, Geriatrics, & Palliative Medicine
Professor, & The Anne and Alden Hart Endowed Chair in Medicine

4:20-5:15pm

Sparkling Ideas: 2-minute oral presentations

Introduced by Janet Funk, MD

Speakers:

Asaithamby Aroumougame, PhD
Prabhu Arunachalam, PhD
Siyang Cao, PhD
Kristian Doyle, PhD
April Ehrlich, MD, MHS
Josh Farr, PhD
Joseph Finkelstein, MD, PhD
Janet Funk, MS, MD
Yann Klimentidis, PhD

Kent Kwoh, MD, MACR
Bonnie LaFleur, PhD
Bernardo Lemos, PhD
James Liao, MD
Janko Nikolic, MD, PhD
Rickie Simpson, PhD
Luke Szweda, PhD
Jennifer Stern, PhD

5:15-5:45pm

Networking & Poster Session with Food

5:45-5:55pm

Poster Awards & Raffle

Presented by Janet Funk, MD

5:55-6:00pm

Recap and Next Steps

Mindy Fain, MD

POSTERS (see over)



POSTERS

Poster #	Presenter	Poster Title
1	Christina Arnoldy	The impact of aging-associated changes in mRNA methylation on Human Papillomavirus transcript processing
2	Fox Bravo	Development of a Customized Pacing System to Induce Persistent Atrial Fibrillation in Swine
3	Kassandra Bruner	Glucagon Receptor Agonism Regulates Nutrient Signaling Pathways Critical to Aging and Healthspan
4	Siyang Cao	WARE-Care: A novel RF-based system to assess and prevent falling
5	Thadeus Carlyon	The Role of Glucagon Receptor Signaling in Hepatocellular Carcinoma in Aging Mice
6	April Ehrlich	Delirium in the Emergency Department
7	Noah Franz	Viral RNA sensor PKR plays a central role in innate immune cell activation from saponin adjuvants
8	Greg Gilles	Multiplanar MRI Quantification of Effusion-Synovitis: Reliability and Potential Investigative Utility for Inflammation-Mediated Knee Conditions
9	Andrew Khalil	Epigenetic reprogramming of hematopoietic stem cells promotes chronic inflammation in aging
10	Jennifer Kraszewski	Sex-Specific Responses to Physical Activity Reveals Links to Amyloid and Synaptic Pathways in the UK Biobank
11	Sangeetha Senthil Kumar	Clonal Expansion of T Cells in Experimental Stroke Reveals Reactivity to Type 1 Diabetes Antigens
12	Eli Lefkowitz	Cardiac-Derived Biologic Therapy Promotes Muscle Regeneration: Translating Myocardial Repair Technology in Skeletal Muscle
13	Eli Lefkowitz	Biologic Therapy Promotes In-Vitro Muscle Repair Following Volumetric Muscle Loss Injury
14	Huashi Li	Clustering Analysis of 13 Cognitive Test Scores in the Precision Aging Network
15	Huashi Li	Predictive Analysis of Multiple Cognitive Function Scores
16	Sloane McVicker	Investigating the role of type eleven secretion systems (TXISS) in commensal Neisseria host interaction
17	Katharia Mark	Empathy as a skill: How to better encourage future health professionals to take part in Delirium Prevention
18	Karolina Perez & Aditi Galande	Th2 Immunity Disease of Aging
19	Esther Qiu	Does BACE1 Inhibition Impair Recovery from Stroke in Mouse Models of Alzheimer's Disease?
20	Dagoberto Robles	Estimating the Association between Effusion-Synovitis and Knee Pain in a Subset of Participants with Radiographic Knee Osteoarthritis: Data from the Osteoarthritis Initiative (OAI)
21	Maria Sans-Fuentes	Sleep Disorders, Frailty, and Cardiovascular Disease Risk in Middle-Aged and Older Adults (Authors: Maria Sans-Fuentes, Aamuktha Tirupati, Bonnie LaFleur)
22	Fadi Sayegh	The Impact of Aging on Macrophage-Mediated Clearance of Pneumococcus
23	Haw-Chih Tai	The role of ROCK in vascular aging
24	Shuai Yang	Hearing Loss and Loneliness in the Development of Impaired Cognition and Dementia in the All of Us Cohort: Prospective Analysis Using Electronic Health Records
25	Catherine Xia	Glucagon Receptor Agonism ameliorates obesity-induced hypercholesterolemia in aging mice
26	Syeda Hina Zaidi	Cognitive Impairment and Cardiovascular Disease in Older Adults: An Evaluation Using Pooled Observational Data