Age-Dependent Differences in Brain Tissue Microstructure Assessed with Neurite Orientation Dispersion and Density Imaging

Age-Related Cognitive Dysfunction is Ameliorated by Cardiorespiratory Fitness

Alzheimer’s Disease Biomarkers-Based Clusters Predict Amyloid Accumulation and Cognitive Decline in a Preclinical Cohort: Findings from the Wisconsin Registry for Alzheimer’s Prevention (WRAP)

Alternative Rapamycin Treatment Regimens Mitigate the Impact of Rapamycin on Glucose Homeostasis and the Immune System

Auditory Evoked Potentials and Speech Perception in Noise: Effects of Aging and Hearing Loss
S.E. Park & C.G. Fowler

Cardiorespiratory Capacity Correlates with Cerebral Blood Flow, White Matter Hyperintensities, and Cognition in Preclinical Alzheimer’s Disease

Cardiorespiratory Fitness is Associated with Temporal Lobe Volume in Adults at Risk for Alzheimer’s Disease
R. Dougherty, S. Schultz, E. Boots, O.C. Okonkwo, D.B. Cook

New Investigator Award Winners

For Excellence in Psychosocial Research: **Eunjin Lee**
*Protective Withholding in Couples Facing Terminal Cancer*
E. Lee, L.J. Roberts, S. Cheema

For Excellence in Clinical/Applied Research: **Andrea Gilmore-Bykovskyi**
*Caregiver Approach During Mealtime Cares is Temporally Related to Behavioral Symptoms Exhibited by Nursing Home Residents with Dementia*
A. Gilmore-Bykovskyi, T. Roberts, R. Brown, B. Bowers

For Excellence in Biomedical Research: **Jaclyn Wisinski**
*Novel Mechanisms of Pancreatic Islet Dysfunction in Type 2 Diabetes*
J.A. Wisinski, J.C. Neuman, A. Reuter, M.E. Kimple

See more posters on the reverse. Some posters will be viewable after the event at: [aging.wisc.edu](http://aging.wisc.edu)
Cardiorespiratory Fitness Modifies the Association Between a Polygenic Risk Score and Cerebrospinal Fluid Biomarkers in Preclinical Alzheimer’s Disease

Cholecystokinin Protects Against Stress-Induced Pancreatic Beta-Cell Death
C. Kibbe, J. Lavine, S. Sirivaravong, M. Baan, D. Belt-Davis

Does Human Chorionic Gonadotropin Act Directly or Indirectly to Promote Neuroregeneration & Improve Cognitive Performance in Adult Male Rats Following a Moderate to Severe Traumatic Brain Injury?

Dietary Fat Composition Directly Affects Insulin Secretion in Type-2 Diabetes

Does Vitamin D Metabolism Differ by Race? Evaluation of Vitamin D Metabolites in American Indians and Caucasian Americans Prior to and Following Vitamin D3 Supplementation
N. Binkley, E. Fidler, G. Borchardt, D. Krueger

Extracellular Matrix Stiffness Regulates Metabolic State in Metastatic, but not Quiescent, Breast Carcinoma Cells

Fornix Microstructure and Memory Performance is Associated with Altered Neural Connectivity During Episodic Recognition

The Great Recession and Health: Identifying Vulnerability with Latent Class Analysis
J.A. Kirsch & C.D. Ryff

Intracranial Arterial Health and Cardiovascular Risk Across the Alzheimer’s Disease Spectrum

Keeping Our Balance: Aging, Attention, and the Importance of Visual Feedback
C.A. Francis, J.R. Franz, D.G. Thelen

Predicting Heart Attacks: Data from the Wisconsin Longitudinal Study
T.K. Gonzales, J.A. Yonker, V. Chang, C.L. Roan, P. Herd, C.S. Atwood

Reprogramming of Hippocampal Energy Metabolism Induced by Caloric Restriction is Linked to PGC-1α and GSK3β

Social Support, Verbal Interaction, and Cognitive Function Among Middle-Aged and Older Adults in the Wisconsin Registry for Alzheimer’s Prevention (WRAP) Study

Surgery Alters Laboratory Results: Implications for Fracture Liaison Services

Tcf19 Plays a Key Role in Cell Cycle Gene Expression and Beta-Cell Proliferation
D. Fontaine & D.B. Davis

Walking in Two Worlds: End of Life Beliefs and Rituals in the Hmong Community
Y. Her & T. Schroepfer