

2014 Alzheimer's Association® Grant Awards Portfolio

—Organized by research categories

Molecular Pathogenesis and Pathophysiology of Alzheimer's Disease

Jose Abisambra, Ph.D.
University of Kentucky
Lexington, Kentucky

The Impact of Tau on Ribosomal Function in Alzheimer's Disease

2014 New Investigator Research Grant —\$100,000 over 2 years

Does abnormal tau impair the ability of nerve cells to make new proteins and contribute to nerve cell dysfunction in Alzheimer's disease?

Mathew Blurton-Jones, Ph.D.
University of California - Irvine
Irvine, California

Examining the Role of TREM2 in Alzheimer's Disease Pathogenesis with iPSC-Derived Microglia

2014 Investigator-Initiated Research Grant: Biological Underpinnings of Genetic Risk Factors in Alzheimer's Disease
—\$250,000 over 3 years

How does the TREM2 gene alter microglia function in the brain and impact the risk of developing Alzheimer's disease?

Scott Brady, Ph.D.
University of Illinois - Chicago
Chicago, Illinois

Signaling Pathways, Molecular Motors and Cell-Specificity in Alzheimer's Disease

2014 Zenith Fellows Award —\$450,000 over 3 years

Do alterations in axonal transport contribute to the vulnerability and death of brain cells in Alzheimer's disease?

Qian Cai, M.D., Ph.D.
Rutgers, The State University of New Jersey
Piscataway, New Jersey

Regulation of Synaptic A β Generation via BACE1 Retrograde Transport in Alzheimer's Disease

2014 New Investigator Research Grant —\$100,000 over 2 years

How do defects in cellular transport affect the accumulation of beta-amyloid in the synapses of nerve cells?

Todd Cohen, Ph.D.
University of North Carolina at Chapel Hill
Chapel Hill, North Carolina

A Pathogenic Role for Tau Acetylation in Alzheimer's Disease

2014 New Investigator Research Grant —\$99,722 over 2 years

How do abnormal chemical modifications of tau contribute to brain changes associated with Alzheimer's disease?

Rebecca Cunningham, Ph.D.
University of North Texas Health Science Center
Fort Worth, Texas

Sleep Apnea, Oxidative Stress, and Testosterone on Neuroinflammation

2014 New Investigator Research Grant —\$100,000 over 2 years

Does testosterone amplify sleep apnea-related changes in oxidative stress, brain inflammation and cognitive function?

Radoslaw Dobrowolski, Ph.D.
Rutgers, The State University – Newark Campus
Newark, New Jersey

Dysregulation of Molecular Clearance Pathways in Alzheimer's Disease

2014 New Investigator Research Grant —\$100,000 over 2 years

How does malfunction of the lysosomal system in nerve cells affect the accumulation of beta-amyloid and abnormal tau in the brain?

Douglas Fowler, Ph.D.
University of Washington
Seattle, Washington

Large-Scale Mutagenesis to Probe A β Aggregation and Chaperone Interactions

2014 New Investigator Research Grant —\$100,000 over 2 years

What are the molecular mechanisms involved in the formation of amyloid plaques in the brain?

John Gilbert, Ph.D.
University of Miami
Miami, Florida

Identification of Mutations and Transcription in LOAD GWAS Regions

2014 Investigator-Initiated Research Grant: Biological Underpinnings of Genetic Risk Factors in Alzheimer's Disease —\$249,336 over 3 years

Can genome-wide association studies (GWAS) help identify novel genetic risk factors for Alzheimer's disease?

Jaime Grutzendler, M.D.
Yale University School of Medicine
New Haven, Connecticut

The Role of Angiophagy in Alzheimer's Disease Pathology

2014 Investigator-Initiated Research Grant: Role of Vascular Metabolic Factors in the Pathogenesis of Alzheimer's Disease and Related Dementia —\$250,000 over 3 years

What are the molecular mechanisms underlying brain microvascular damage and the development of Alzheimer's disease?

Pengcheng Han, Ph.D.
Barrow Neurological Institute - St. Joseph Medical Center
Phoenix, Arizona

PACAP Deficit and the Pathogenesis of Alzheimer's Disease

2014 New Investigator Research Grant —\$100,000 over 2 years

Does loss of the neurotrophic factor PACAP contribute to alterations in nerve cell function and other brain changes associated with Alzheimer's disease?

Tsuneya Ikezu, M.D., Ph.D.
Boston University
Boston, Massachusetts

Exosome Pathway as a Novel Therapeutic Target of Tauopathy

2014 Investigator-Initiated Research Grant: Discovery-Validation of Therapeutic Targets for Developing Novel Interventions for Alzheimer's Disease —\$250,000 over 3 years

What are the molecular mechanisms underlying the movement of abnormal tau throughout the brain and could this be a novel target?

Takahisa Kanekiyo, M.D., Ph.D.
Mayo Clinic Jacksonville
Jacksonville, Florida

ApoE and LRP1 in Neuronal A β Clearance

2014 New Investigator Research Grant —\$99,999 over 2 years

How does the interaction of ApoE and LRP1 proteins impact the development of amyloid plaques in the brain?

Bruce Lamb, Ph.D.
Cleveland Clinic Foundation
Cleveland, Ohio

The Role of TREM2 on Inflammatory Monocytes in Alzheimer's Disease

2014 Investigator-Initiated Research Grant: Biological Underpinnings of Genetic Risk Factors in Alzheimer's Disease —\$250,000 over 3 years

How does immune cell TREM2 expression in the brain impact inflammation and other brain changes associated with Alzheimer's disease?

Jean-Charles Lambert, Ph.D.
Institut Pasteur de Lille
Lille, France

Involvement of BIN1 in the Alzheimer's Pathophysiological Process

2014 Investigator-Initiated Research Grant: Biological Underpinnings of Genetic Risk Factors in Alzheimer's Disease —\$250,000 over 3 years

How do variations in the BIN1 gene affect the risk of developing Alzheimer's disease?

Feng Lin, Ph.D.
University of Rochester
Rochester, New York

Differentiating Neurophysiological Stress Regulation in Alzheimer's Disease

2014 New Investigator Research Grant —\$100,000 over 2 years

How do brain networks that help regulate the stress response become altered in Alzheimer's disease?

Katie Lunnon, Ph.D.
University of Exeter
Exeter, United Kingdom

The Role of 5-Hydroxymethylation in the Alzheimer's Disease Brain

2014 New Investigator Research Grant —\$99,072 over 2 years

How do chemical modifications that impact gene expression contribute to dementia-related changes in the brain?

Diego Mastroeni, Ph.D.
Banner Sun Health Research Institute
Sun City, Arizona

Profiling the Gliome in Alzheimer's Disease

2014 New Investigator Research Grant —\$100,000 over 2 years

How do genetic changes in glial cells affect their function, and do these changes contribute to the development of Alzheimer's disease?

Erik Musiek, M.D., Ph.D.
Washington University School of Medicine
St. Louis, Missouri

The Circadian Clock as a Therapeutic Target for Alzheimer's Disease

2014 New Investigator Research Grant —\$100,000 over 2 years

Can alteration of circadian clock function help protect against the accumulation of beta-amyloid and development of Alzheimer's disease?

Rocio Perez-Gonzalez, Ph.D.
The Nathan S. Kline Institute for Psychiatric Research
Orangeburg, New York

A Pathogenic Role for APP-CTFs-Enriched Exosomes in the Brain

2014 New Investigator Research Grant —\$100,000 over 2 years

Do exosomes play a role in the movement of beta-amyloid through the brain and the formation of amyloid plaques?

Cristian Ripoli, Ph.D.
Università Cattolica del Sacro Cuore
Rome, Italy

Intraneuronal Binding Partners of Amyloid- β Protein

2014 New Investigator Research Grant —\$96,800 over 2 years

How does the accumulation of beta-amyloid inside of nerve cells affect synaptic transmission and brain function?

Erik Roberson, M.D., Ph.D.
University of Alabama at Birmingham
Birmingham, Alabama

BIN1 and Tau Interactions Regulating Neuronal Calcium

2014 Investigator-Initiated Research Grant: Biological Underpinnings of Genetic Risk Factors in Alzheimer's Disease —\$249,999 over 3 years

How do alterations in the interaction of BIN1 and tau proteins contribute to brain changes associated with Alzheimer's disease?

Agueda Rostagno, Ph.D.
New York University School of Medicine
New York, New York

CAA, Mitochondrial Dysfunction, and the Neurovascular Unit

2014 Zenith Fellows Award —\$450,000 over 3 years

How does blood vessel damage in the brain contribute to the progression of brain changes observed in Alzheimer's disease?

Chantelle Sephton, Ph.D.
Université Laval
Quebec City, Canada

FUS in Synaptic Function and Frontotemporal Lobar Degeneration

2014 New Investigator Research Grant —\$100,000 over 2 years

How do variations in the FUS protein affect nerve cell function and disease progression in frontotemporal lobar degeneration?

Joshua Shulman, M.D., Ph.D.
Baylor College of Medicine
Houston, Texas

Genome Instability as a Novel Link between Aging and Alzheimer's disease

2014 New Investigator Research Grant —\$100,000 over 2 years

How does increased genetic instability during aging contribute to the development of Alzheimer's disease?

Stephen Strittmatter, M.D., Ph.D.
Yale University School of Medicine
New Haven, Connecticut

Signaling by A β Oligomer in the Post-Synaptic Density

2014 Zenith Fellows Award —\$450,000 over 3 years

How do beta-amyloid oligomers affect the loss of nerve cell synapses in Alzheimer's disease?

Simona Tomaselli, Ph.D.
CNR Institute for Macromolecular Studies
Milan, Italy

Structural Insights on Oligomers of A β Peptides in the Presence of PrPC

2014 New Investigator Research Grant —\$100,000 over 2 years

What are the first steps in the formation of beta-amyloid oligomers and how do they affect nerve cell function?

Alberto Vazquez, Ph.D.
University of Pittsburgh
Pittsburgh, Pennsylvania

Physiological Basis of Brain Connectivity Reductions in Alzheimer's Disease

2014 Mentored New Investigator Research Grant to Promote Diversity—\$149,998 over 3 years

Are the early stages of Alzheimer's disease associated with reductions in brain cell connectivity?

Xinglong Wang, Ph.D.
Case Western Reserve University
Cleveland, Ohio

The Role of DLP1 Phosphorylation in Alzheimer's Disease

2014 New Investigator Research Grant —\$100,000 over 2 years

How do alterations in the protein DLP1 affect mitochondrial-related brain cell loss in Alzheimer's disease?

Daniel Wesson, Ph.D.
Case Western Reserve University
Cleveland, Ohio

Impact of Upstream Neurodegeneration on Downstream Cortical Function

2014 New Investigator Research Grant —\$100,000 over 2 years

How do changes in the ability to detect odors relate to alterations in brain function and the development of Alzheimer's disease?

Benjamin Wolozin, M.D., Ph.D.
Boston University
Boston, Massachusetts

It Takes TIA to Tangle: The Role of RNA Binding Proteins in Alzheimer's Disease

2014 Zenith Fellows Award —\$450,000 over 3 years

What are the molecular mechanisms that trigger the formation of tau neurofibrillary tangles in the brain?

Yongjie Zhang, Ph.D.
Mayo Clinic Jacksonville
Jacksonville, Florida

Mechanism of DPR Protein-Induced Cell Death

2014 New Investigator Research Grant —\$100,000 over 2 years

Does the abnormal clumping of dipeptide-repeat proteins (DPRs) contribute to damage and death of brain cells in neurodegenerative diseases?

Diagnosis, Assessment and Disease Monitoring

Jalayne Arias, J.D.
Cleveland Clinic Foundation
Cleveland, Ohio

Legal, Ethical, & Social Analysis of Preclinical Biomarker Tests in Alzheimer's Disease

2014 Mentored New Investigator Research Grant to Promote Diversity—\$150,000 over 3 years

What are the legal, ethical, and policy challenges of implementing biomarker testing for Alzheimer's disease?

Barry Boland, Ph.D.
University College Cork
Cork, Ireland

Biomarkers of Impaired Lysosomal Flux in Alzheimer's Disease

2014 New Investigator Research Grant —\$100,000 over 2 years

Can biomarkers of impaired lysosomal function in nerve cells help detect the early stages of Alzheimer's disease?

Mallar Chakravarty, Ph.D.
Centre for Addiction and Mental Health
Toronto, Canada

Interpreting Disease Heterogeneity in Alzheimer's and Parkinson's Disease

2014 Biomarkers Across Neurodegenerative Disease Award —\$149,600 over 2 years

Can advanced brain mapping techniques help detect differences in brain structure in Alzheimer's vs. Parkinson's disease?

Carlos Cruchaga, Ph.D.
Washington University School of Medicine
St. Louis, Missouri

Genetics, Biomarkers and Mendelian Randomization to Identify Common Pathways

2014 Biomarkers Across Neurodegenerative Disease Award —\$134,059 over 2 years

Can Mendelian Randomization methods help identify new genes associated with increased risk for Alzheimer's and Parkinson's disease?

Alain Dagher, M.D.
McGill University
Montreal, Canada

Brain Networks as Targets of Neurodegeneration in Alzheimer's and Parkinson's Disease

2014 Biomarkers Across Neurodegenerative Disease Award —\$149,998 over 2 years

How does the movement of abnormal proteins through brain networks affect the progression of Alzheimer's and Parkinson's disease?

Michael Donohue, Ph.D.
University of California – San Diego
San Diego, California

Estimating Long-Term Disease Trajectories

2014 Biomarkers Across Neurodegenerative Disease Award —\$148,843 over 2 years

Can novel statistical methods help us better understand and predict how Alzheimer's and Parkinson's disease progress over many decades?

Boris Gutman, Ph.D.
University of Southern California
Los Angeles, California

Subcortical Shape Analysis for Joint Biomarker Discovery

2014 Biomarkers Across Neurodegenerative Disease Award —\$150,000 over 2 years

Can analyzing images of brain shapes be used to help in the early diagnosis Alzheimer's and Parkinson's disease?

Ellen McGough, Ph.D.
University of Washington
Seattle, Washington

Neural Imaging and Function in Early Stages of Alzheimer's Disease

2014 New Investigator Research Grant —\$99,946 over 2 years

What are the links between certain changes in brain structure and function and mobility impairment in Alzheimer's disease?

Corey McMillan, Ph.D.
University of Pennsylvania
Philadelphia, Pennsylvania

Biomarkers for Personalized Treatment of Neurodegenerative Spectrum Disease

2014 Biomarkers Across Neurodegenerative Disease Award —\$150,000 over 2 years

Can biomarkers be used to customize individualized treatments for people with Alzheimer's or Parkinson's disease?

Jagan Pillai, Ph.D.
Cleveland Clinic Foundation
Cleveland, Ohio

Inflammatory Biomarkers in Rapidly Progressive Alzheimer's Disease

2014 New Investigator Research Grant —\$99,983 over 2 years

What role does brain inflammation play in the progression of Alzheimer's disease?

Gautam Prasad, Ph.D.
University of Southern California
Los Angeles, California

Degeneration of the Human Connectome: Brain Networks in ADNI and PPMI

2014 Biomarkers Across Neurodegenerative Disease Award —\$150,000 over 2 years

Can changes in brain network connectivity help diagnose and distinguish Alzheimer's from Parkinson's disease?

Swati Rane, Ph.D.
Vanderbilt University Medical Center
Nashville, Tennessee

Cortical and Functional Distinctions in Alzheimer's and Parkinson's disease

2014 Biomarkers Across Neurodegenerative Disease Award —\$150,000 over 2 years

Can advanced analyses of brain structure and function characterize the differences and similarities between Alzheimer's and Parkinson's disease?

Shannon Risacher, Ph.D.
Indiana University
Indianapolis, Indiana

Visual Dysfunction and Amyloid in Preclinical and Prodromal Alzheimer's Disease

2014 New Investigator Research Grant —\$100,000 over 2 years

Are detectable changes in the eye linked to the accumulation of beta-amyloid and other brain changes observed in Alzheimer's disease?

Heidi Rossetti, Ph.D.
UT Southwestern Medical Center
Dallas, Texas

Montreal Cognitive Assessment for Detection of MCI in African Americans

2014 New Investigator Research Grant —\$99,858 over 2 years

Will the development of more appropriate and accurate cognitive assessment methods allow for improved detection and diagnosis of MCI in African Americans?

Norbert Schuff, Ph.D.
University of California - San Francisco
San Francisco, California

Variations in Brain Functional Complexity Across Neurodegeneration

2014 Biomarkers Across Neurodegenerative Disease Award —\$150,000 over 2 years

How do alterations in brain functional activity relate to changes in disease biomarkers associated with Alzheimer's and Parkinson's disease?

Peter Scott, Ph.D.
University of Michigan
Ann Arbor, Michigan

Lead Optimization of High Affinity Radiotracers for PET Imaging of Tau

2014 New Investigator Research Grant —\$99,839 over 2 years

Can a novel, longer-lasting tracer for tau PET imaging help improve disease detection and diagnosis?

R. Nathan Spreng, Ph.D.
Cornell University
Ithaca, New York

Dynamic Brain Network Changes in Healthy Aging and Alzheimer's Disease

2014 New Investigator Research Grant —\$99,997 over 2 years

Can wide-scale changes in brain networks help predict the development of Alzheimer's disease?

Saeid Taheri, Ph.D.

Medical University of South Carolina
Charleston, South Carolina

Contribution of BBB Pathologies to Alzheimer's Disease and Dementia

2014 Investigator-Initiated Research Grant: Role of Vascular Metabolic Factors in the Pathogenesis of Alzheimer's Disease and Related Dementia —\$249,620 over 3 years

Does damage to the blood brain barrier (BBB) contribute to cognitive decline and dementia-related brain changes?

Translational Research and Clinical Interventions

Michelle Arkin, Ph.D.

University of California, San Francisco
San Francisco, California

Inhibitors of Caspase-6 as Potential Alzheimer's Disease Therapeutics

2014 Investigator-Initiated Research Grant: Discovery-Validation of Therapeutic Targets for Developing Novel Interventions for Alzheimer's Disease —\$250,000 over 3 years

Can inhibition of caspase-6 help prevent the formation of neurofibrillary tangles and nerve cell damage associated with Alzheimer's disease?

Patricia Belchior, Ph.D.

McGill University
Montreal, Canada

Sustaining and Retraining Attention in Individuals with MCI

2014 New Investigator Research Grant —\$99,957 over 2 years

Can computer-based brain exercises improve attention skills and daily function in people with mild cognitive impairment?

Elizabeth Bradshaw, Ph.D.

Brigham and Women's Hospital
Boston, Massachusetts

Genetics, Function and Small Molecules: Targeting the CD33 Alzheimer's Disease Locus

2014 Investigator-Initiated Research Grant: Discovery-Validation of Therapeutic Targets for Developing Novel Interventions for Alzheimer's Disease —\$250,000 over 3 years

How do variations in the CD33 gene affect the accumulation of beta-amyloid in the brain?

Dongming Cai, M.D., Ph.D.

Icahn School of Medicine at Mount Sinai
New York, New York

Development of Novel Therapies Targeted at A β Clearance

2014 New Investigator Research Grant —\$100,000 over 2 years

Can drug candidates that reduce the levels of SNJ1 in the brain facilitate beta-amyloid clearance?

Laura Colgin, Ph.D.

University of Texas at Austin
Austin, Texas

Does Theta-Gamma Stimulation Improve Memory in Alzheimer's Disease Mice?

2014 New Investigator Research Grant —\$100,000 over 2 years

Can deep-brain stimulation help restore normal brain rhythms and preserve memory function in a mouse model of Alzheimer's?

Jie Cui, Ph.D.
The Roskamp Institute Inc.
Sarasota, Florida

Can Aromatase Inhibitors Increase the Risk of Alzheimer's Disease in Breast Cancer Patients?

2014 New Investigator Research Grant —\$100,000 over 2 years

How do aromatase inhibitors, and subsequent reduction in brain estrogen, affect nerve cell function, cognition and the risk of Alzheimer's disease?

Kirk Erickson, Ph.D.
University of Pittsburgh
Pittsburgh, Pennsylvania

Influence of African Dance on Neurocognitive Function

2014 Investigator-Initiated Research Grant: Non-Pharmacological Strategies to Ameliorate Symptoms of Alzheimer's Disease and Dementia —\$250,000 over 3 years

Can an exercise intervention help improve cognitive function and reduce dementia risk in an older African American population?

Angela Gutches, Ph.D.
Brandeis University
Waltham, Massachusetts

Improving Memory in aMCI with Self-Referencing

2014 New Investigator Research Grant —\$100,000 over 2 years

Does the process of self-referencing, or relating information to one's own life, help people with amnesic mild cognitive impairment (aMCI) learn and remember new information?

Amy Jak, Ph.D.
University of California - San Diego
San Diego, California

Impact of Combined Behavioral Interventions on Cognitive Outcomes in MCI

2014 Investigator-Initiated Research Grant: Non-Pharmacological Strategies to Ameliorate Symptoms of Alzheimer's Disease and Dementia —\$246,978 over 3 years

Can the combination of physical and cognitive training activities help preserve cognition and daily function in people with mild cognitive impairment?

Roger Lefort, Ph.D.
Columbia University Medical Center
New York, New York

Targeting RhoA Signaling as a Therapeutic Strategy for Alzheimer's Disease

2014 New Investigator Research Grant to Promote Diversity—\$100,000 over 2 years

Can inhibition of RhoA activity help protect brain cells from the toxic effects of beta-amyloid?

Kun Ping Lu, M.D., Ph.D.
Beth Israel Deaconess Medical Center
Boston, Massachusetts

Validation of cis-Tau as a Therapeutic Target for Alzheimer's Disease

2014 Investigator-Initiated Research Grant: Discovery-Validation of Therapeutic Targets for Developing Novel Interventions for Alzheimer's Disease —\$249,999 over 3 years

Can an antibody therapy against an abnormally modified version of tau help prevent the formation of neurofibrillary tangles in the brain?

Elena Marcello, Ph.D.
University of Milan
Milan, Italy

Development of Innovative Tools for Alzheimer's Disease Therapy

2014 New Investigator Research Grant —\$100,000 over 2 years

Can molecules targeting the ADAM10 pathway help prevent amyloid plaque formation and other brain changes associated with Alzheimer's disease?

Charbel Moussa, Ph.D.
Georgetown University
Washington DC

Nilotinib Effects on Parkin-Mediated p-Tau Clearance

2014 New Investigator Research Grant —\$99,931 over 2 years

Can the drug molecule Nilotinib promote clearance of abnormal tau in the brain and help prevent brain cell damage and death?

Gail Musen, Ph.D.
Joslin Diabetes Center
Boston, Massachusetts

Type 2 Diabetes and Risk for Alzheimer's Disease: Effect of Exercise

2014 Investigator-Initiated Research Grant: Non-Pharmacological Strategies to Ameliorate Symptoms of Alzheimer's Disease and Dementia —\$250,000 over 3 years

Can an aerobic exercise intervention help improve brain structure and function, and reduce the risk for Alzheimer's disease in individuals with type 2 diabetes?

Ozioma Okonkwo, Ph.D.
University of Wisconsin – Madison
Madison, Wisconsin

Aerobic Exercise for Alzheimer's Disease Prevention in At-Risk Middle-Aged Adults

2014 New Investigator Research Grant to Promote Diversity—\$100,000 over 2 years

Can aerobic exercise in healthy adults with a parental family history of Alzheimer's help prevent brain changes associated with the disease?

Shauna Yuan, M.D.
University of California - San Diego
San Diego, California

"In-vitro Clinical Trial" with GSM for the Treatment of FAD Carriers

2014 New Investigator Research Grant —\$100,000 over 2 years

Can a novel model for testing potential drug therapies help in the discovery and development of new treatments for Alzheimer's disease?

Epidemiology (Dementia Risk Factors and Prevention)

Rhoda Au, Ph.D.
Boston University
Boston, Massachusetts

Framingham Cognitive Aging Study: Impact of Vascular Metabolic Risk Factors

2014 Investigator-Initiated Research Grant: Role of Vascular Metabolic Factors in the Pathogenesis of Alzheimer's Disease and Related Dementia —\$249,459 over 3 years

How do midlife vascular risk factors (e.g. high blood pressure) contribute to the development of dementia-related brain changes?

Elizabeth Guerrero-Berroa, Ph.D.
Icahn School of Medicine at Mount Sinai
New York, New York

Haptoglobin, Glycemic Control, and Cognitive Decline in Type 2 Diabetes

2014 Mentored New Investigator Research Grant to Promote Diversity—\$149,998 over 3 years

How do variations in haptoglobin protein influence the risk of cognitive decline and Alzheimer's disease in people with type 2 diabetes?

Mohammad Ikram, M.D., Ph.D.
Erasmus Medical Center
Rotterdam, Netherlands

Gait Dysfunction as a Pre-Clinical Sign of Alzheimer's Disease

2014 New Investigator Research Grant —\$99,971 over 2 years

Can abnormalities in gait help predict subsequent development of brain dysfunction and Alzheimer's disease?

Pei-Jung Lin, Ph.D.
Tufts Medical Center
Boston, Massachusetts

Nationwide Frequency and Costs of Preventable Hospitalizations in Alzheimer's Disease

2014 New Investigator Research Grant —\$100,000 over 2 years

What are the factors that impact cost and quality of care related to preventable hospitalizations among people with dementia?

Kumar Rajan, Ph.D.
Rush University Medical Center
Chicago, Illinois

Role of Activities on Genetic Risk of Neurodegeneration by Race/Ethnicity

2014 New Investigator Research Grant —\$99,914 over 2 years

How do lifestyle factors interact with the genetic risk for developing Alzheimer's disease in African Americans?

Thor Stein, M.D., Ph.D.
Bedford VA Research Corporation, Inc.
Bedford, Massachusetts

Genetic Risk Factors Underlying Chronic Trauma and Alzheimer's Disease Pathology

2014 New Investigator Research Grant —\$99,954 over 2 years

What are the genetic risk factors in individuals with brain trauma that may impact the development or progression of Alzheimer's disease?

Cassandra Szoeki, Ph.D.
University of Melbourne
Melbourne, Australia

The Women's Healthy Ageing Project - Cognition Study

2014 New Investigator Research Grant —\$100,000 over 2 years

Can minimizing risk factors during midlife help prevent or delay the later development of Alzheimer's disease?

Care and Support of Alzheimer's Disease

Carrie Ciro, Ph.D.
University of Oklahoma Health Sciences Center
Oklahoma City, Oklahoma

High-Dose, Mass Practice Intervention to Reduce ADL Disability in Dementia

2014 New Investigator Research Grant —\$99,967 over 2 years

Can an intervention using intense practice of meaningful activities of daily living (ADL) tasks help improve memory and daily function in people with dementia?

Jesse Hoey, Ph.D.
University of Waterloo
Waterloo, Canada

Affective and Cognitive Technologies for AssisTance in the HOME (ACT@HOME)

2014 Everyday Technologies for Alzheimer's Care—\$199,870 over 2 years

Will an artificially intelligent cognitive assistant with enhanced emotional capabilities allow for improved caregiving assistance?

Eli Puterman, Ph.D.
University of California – San Francisco
San Francisco, California

Improving Caregivers' Daily Lives with Exercise: A Randomized Study

2014 New Investigator Research Grant —\$100,000 over 2 years

Can aerobic exercise help promote physical and psychological health and resiliency in caregivers?

Carey Sherman, Ph.D.
University of Michigan
Ann Arbor, Michigan

Technology-Assisted Intervention for Remarried and Stepfamily Caregivers

2014 New Investigator Research Grant —\$99,976 over 2 years

Will an intervention targeted at the needs of remarried caregivers help lower burden and instill a greater sense of self-efficacy in their unique caregiving role?

Katherine Supiano, Ph.D.
University of Utah
Salt Lake City, Utah

Complicated Grief Group Therapy for Bereaved Dementia Caregivers

2014 New Investigator Research Grant —\$99,999 over 2 years

Can a targeted intervention provided in a group-therapy setting help dementia caregivers with complicated grief?