

## 2018 Alzheimer's Association® Grant Awards

—Organized by Research Categories

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### **Molecular Pathogenesis and Pathophysiology of Alzheimer's Disease and Alzheimer's Disease-Related Dementias (AD/ADRDs)**

**Rabab Al-Lahham, Ph.D.**

University of Texas Medical Branch at Galveston  
Galveston, TX

**Tau Deletion Promotes Peripheral Insulin Resistance**

2018 Alzheimer's Association Research Fellowships (AARF) Program- \$140,000 over 2 years

*Does abnormal tau protein lead to insulin resistance in people with Alzheimer's?*

**Ladan Amin, Ph.D.**

Boston University  
Boston, MA

**A new approach to visualize the interaction between A $\beta$  and its receptors**

2018 Alzheimer's Association Research Fellowships (AARF) Program- \$174,971 over 3 years

*Can an understanding of how beta-amyloid attaches to nerve cell reveal new ways to prevent its harmful effects?*

**Anna Barron, Ph.D.**

Nanyang Technological University  
Singapore

**PET imaging of mitochondrial dysfunction in tauopathy**

2018 Alzheimer's Association Research Grants (AARG)- \$150,000 over 3 years

*Can a new tool to visualize early biological changes in Alzheimer's be developed?*

**Laura Blair, Ph.D.**

University of South Florida  
Tampa, FL

**ER stress as a mediator of tau-induced neurotoxicity**

2018 Alzheimer's Association Research Grants (AARG)- \$150,000 over 3 years

*Does reducing stress in the brain cells help moderate tau-related brain damage in Alzheimer's and other dementias?*

**Marine Bretou, Ph.D.**

VIB-KU Leuven Center for Brain and Disease Research  
Gent, Belgium

**New neuronal models for intracellular toxic A $\beta$  accumulation**

2018 Alzheimer's Association Research Fellowships (AARF) Program- \$174,999 over 3 years

*Are changes to the brain's waste clearance mechanism linked to early brain changes in Alzheimer's?*

**Sara Calafate, Ph.D.**

VIB- KU Leuven Center for Brain and Disease Research  
Gent, Belgium

**EC-CA1 network dysfunction in Alzheimer's disease**

2018 Alzheimer's Association Research Fellowships (AARF) Program- \$175,000 over 3 years

*What is the mechanism in the brain by which memory loss occurs in Alzheimer's?*

**Che-Wei Chang, Ph.D.**

J. David Gladstone Institutes  
San Francisco, CA

**Role of Tau in modulating neural activity in Alzheimer's disease**

2018 Alzheimer's Association Research Fellowships (AARF) Program- \$175,000 over 3 years

*How does tau affect the communication between nerve cells in the brain, in Alzheimer's and other brain diseases?*

**Xiaofen Chen, Ph.D.**

Xiamen University  
Xiamen, China

**Targeting soluble TREM2 for Alzheimer's disease therapy**

2018 Alzheimer's Association Research Grants (AARG)- \$150,000 over 3 years

*What role does the immune system play in Alzheimer's and how can this be targeted for possible therapy?*

**Marius Chiasseu, Ph.D.**

Yale University  
New Haven, CT

**Role of brain injury in the induction of Alzheimer's disease**

2018 Alzheimer's Association Research Fellowships to Promote Diversity (AARF-D)- \$175,000 over 3 years

*What is the underlying biology for association and an individual's risk in later life for developing Alzheimer's or other dementia?*

**Sarah Cohen, Ph.D.**

University of North Carolina  
Chapel Hill, NC

**Role of ApoE in astrocyte lipid metabolism**

2018 Alzheimer's Association Research Grants (AARG)- \$150,000 over 3 years

*Can a gene linked to Alzheimer's cause damage to the nerve cells by producing abnormal levels of fat in brain cells?*

**Marcello D'Amelio, Ph.D.**

University of Rome  
Rome, Italy

**Targeting dopamine neuronal loss on a model of Alzheimer's disease**

2018 Alzheimer's Association Research Grants (AARG)- \$150,000 over 3 years

*Can a cancer drug block or slowdown the degeneration of specific brain cell types?*

**Fang Du, Ph.D.**

University of Kansas  
Lawrence, KS

**Mechanisms of mitochondrial clearance and tau accumulation**

2018 Alzheimer's Association Research Grants (AARG)- \$148,500 over 3 years  
*Could removing damaged structures inside nerve cells, prevent tau tangles from forming during Alzheimer's?*

**Simon Dujardin, Ph.D.**

Massachusetts General Hospital  
Boston, MA

**Understanding the molecular signature of Tau seeds in the human brain**

2018 Alzheimer's Association Research Fellowships (AARF) Program- \$174,999 over 3 years  
*Can we predict the start of tau protein aggregation in the brain?*

**Amy Dunn, Ph.D.**

The Jackson Laboratory  
Bar Harbor, ME

**Mechanisms of an interaction between genetics and diet in AD**

2018 Alzheimer's Association Research Fellowships (AARF) Program- \$174,973 over 3 years  
*How does consuming a high fat diet affect risk of Alzheimer's in individuals with different genetic profiles?*

**Nicholas Fitz, Ph.D.**

University of Pittsburgh  
Pittsburgh, PA

**APOE isoform specific effects on microglial mediated neuroinflammation**

2018 Alzheimer's Association Research Grants (AARG)- \$150,000 over 3 years  
*How do certain changes in immune cell activity affect different brain regions in Alzheimer's?*

**Anton Forsberg Moren, Ph.D.**

Karolinska Institutet  
Stockholm, Sweden

**PET imaging using a novel radioligand for beta secretase 1**

2018 Alzheimer's Association Research Grants (AARG)- \$147,520 over 3 years  
*Can a novel brain scan compound help researchers better understand how beta-amyloid is produced in early Alzheimer's?*

**Brian Hitt, M.D., Ph.D.**

University of Texas Southwestern Medical Center  
Dallas, TX

**Identification of tau seeds in the CSF of Alzheimer disease patients**

2018 Alzheimer's Association Clinical Fellowships (AACSF)- \$175,000 over 3 years  
*Could detection of abnormal tau protein provide valuable diagnostic information about Alzheimer's and other brain diseases?*

**Ksenia Kastanenka, Ph.D.**

Massachusetts General Hospital  
Boston, MA

**Characterization of neuronal network disruptions in Alzheimer's disease**

2018 Alzheimer's Association Research Grants (AARG)- \$150,000 over 3 years  
*How might disruption of brain activity during sleep affect the progression of Alzheimer's disease?*

**Cristian Lasagna Reeves, Ph.D.**

Indiana University  
Indianapolis, IN

**Impact of Tau Protein Modifications in CAA**

2018 Alzheimer's Association Research Grants to Promote Diversity (AARG-D)- \$150,000 over 3 years  
*How does tau protein in and around blood vessels affect the brain?*

**Adrian Liston, Ph.D.**

VIB- KU Leuven Center for Brain and Disease Research  
Gent, Belgium

**Role of Regulatory T cells in Alzheimer's disease**

2018 Alzheimer's Association Research Grant-New to the Field (AARG-NTF)- \$135,000 over 3 years  
*Could boosting the activity of an immune system protein in the brain reduce harmful brain inflammation and memory loss in Alzheimer's?*

**Justin Long, M.D., Ph.D.**

Washington University in St. Louis  
St. Louis, MO

**Role of ApoE isoforms in tau-mediated neurodegeneration**

2018 Alzheimer's Association Clinical Fellowships (AACSF) Program- \$174,990 over 3 years  
*How does APOE cause brain cell death during Alzheimer's disease?*

**Rodrigo Lopez-Gonzalez, Ph.D.**

University of Massachusetts Medical School  
Worcester, MA

**C9ORF72 Related Frontotemporal Dementia and Genomic Instability**

2018 Alzheimer's Association Research Fellowships to Promote Diversity (AARF-D)- \$175,000 over 3 years  
*How might a genetic variation in certain genes lead to the development of frontotemporal dementia?*

**John Lukens, Ph.D.**

University of Virginia  
Charlottesville, VA

**Lymphatic dysfunction and inflammasomes as drivers of AD pathology**

2018 Alzheimer's Association Research Grants (AARG)- \$149,820 over 3 years  
*Does traumatic brain injury increase the risk for dementia by damaging the brain's ability to clear toxic proteins?*

**Renzo Mancuso, Ph.D.**

VIB- KU Leuven Center for Brain and Disease Research  
Gent, Belgium

**Microglia and neuroinflammation: transducers of A $\beta$  toxicity in human AD**

2018 Alzheimer's Association Research Fellowships (AARF) Program- \$174,070 over 3 years  
*Does brain inflammation promote the development of Alzheimer's?*

**Lior Mayo, Ph.D.**

Tel Aviv University  
Tel Aviv, Israel

**The role of NG2-Glia in Alzheimer's disease**

2018 Alzheimer's Association Research Grants (AARG)- \$150,000 over 3 years

*Could targeting specialized support cells in the brain affect Alzheimer's progression?*

**Rodrigo Morales, Ph.D.**

University of Texas Health Science Center  
Houston, TX

**Characterization of natural and synthetic A $\beta$  "conformational strains".**

2018 Alzheimer's Association Research Grants to Promote Diversity (AARG-D)- \$149,997 over 3 years  
*Does the shape of beta-amyloid affect how it contributes to the progression of Alzheimer's?*

**Derek Oakley, M.D., Ph.D.**

Massachusetts General Hospital  
Boston, MA

**Tau aggregation and toxicity in patient-derived iPS-neurons**

2018 Alzheimer's Association Clinical Fellowships (AACSF)- \$174,991 over 3 years  
*Could a new type of cell grown in a laboratory dish reveal how tau protein harms nerve cells during Alzheimer's?*

**Ana Pereira, M.D.**

Icahn School of Medicine at Mount Sinai  
New York, NY

**Molecular Profiling of glutamate and tau-mediated toxicity in AD**

2018 Alzheimer's Association Research Grants (AARG)- \$150,000 over 3 years  
*Could a new model reveal biological pathways in brain regions important for memory and learning that are harmed in Alzheimer's?*

**Ilaria Prada, Ph.D.**

CNR Neuroscience Institute  
Milan, Italy

**Role of extracellular vesicles in the propagation of synaptic dysfunction**

2018 Alzheimer's Association Research Fellowships (AARF) Program- \$170,858 over 3 years  
*How do the toxic protein fragments associated with Alzheimer's spread throughout the brain and affect nerve cells?*

**Alan Renton, Ph.D.**

Icahn School of Medicine at Mount Sinai  
New York, NY

**Neural Somatic Mosaicism in Neurodegenerative Disease**

2018 Alzheimer's Association Research Fellowships (AARF) Program- \$169,927 over 3 years  
*How could abnormalities in a person's DNA be linked to Alzheimer's and other dementias?*

**Roberta Rodriguez, Ph.D., M.D.**

University of Sao Paulo  
Sao Paulo, Brazil

**Characterization of tau astroglial pathology on aging and neurodegeneration**

2018 Alzheimer's Association Research Fellowships (AARF) Program- \$140,000 over 2 years  
*Does tau accumulation in the brain's "helper" cells affect brain related changes and the individual's cognitive decline?*

**Amar Sahay, Ph.D.**

Massachusetts General Hospital  
Boston, MA

**Targeting feed-forward inhibition in DG-CA3 to improve memory in AD**

2018 Alzheimer's Association Research Grant – New to the Field (AARG-NTF)- \$150,000 over 3 years  
*Can restoring balance in the brain cell activity reduce beta-amyloid accumulation and improve memory?*

**Jason Shepherd, Ph.D.**

University of Utah  
Salt Lake City, UT

**Investigating the role of neuronal exosomes in Alzheimer's Disease**

2018 Alzheimer's Association Research Grants (AARG)- \$150,000 over 3 years  
*How do nerve cells remove harmful proteins during Alzheimer's?*

**Juan Song, Ph.D.**

University of North Carolina  
Chapel Hill, NC

**Targeting neural circuits for treating Alzheimer's disease**

2018 Alzheimer's Association Research Grant – New to the Field (AARG-NTF)- \$150,000 over 3 years  
*Can restoring the function of specific nerve cell circuits in the brain reverse Alzheimer's?*

**Andrea Soranno, Ph.D.**

Washington University in St. Louis  
St. Louis, MO

**Conformational analysis of ApoE isoforms and their role in AD mechanism**

2018 Alzheimer's Association Research Grants (AARG)- \$150,000 over 3 years  
*How do different variations in apolipoprotein E change its shape and function during Alzheimer's disease?*

**Peter St George-Hyslop, M.D.**

University of Toronto  
Toronto, Ontario

**Role of Intrinsically Disordered Proteins in Fronto-Temporal Dementia**

2018 Zenith Fellows Awards (ZEN)- \$450,000 over 3 years  
*How does a unique protein called FUS become abnormally modified to promote the development of frontotemporal dementia?*

**Sidney Strickland, Ph.D.**

Rockefeller University  
New York, NY

**Role of the contact system in Alzheimer's disease**

2018 Zenith Fellows Awards (ZEN)- \$450,000 over 3 years  
*How can a process linked to blood clotting and inflammation promote the onset of Alzheimer's disease?*

**Lidia Tagliafierro, Ph.D.**

Duke University Medical Center  
Durham, NC

**ApoE, Alzheimer's and Aging: discover the triple A in hiPSC-derived models.**

2018 Alzheimer's Association Research Fellowships (AARF) Program- \$175,000 over 3 years  
*How do different forms of APOE gene affect cells in the brain in Alzheimer's?*

**Andrew Varga, M.D., Ph.D.**

Icahn School of Medicine at Mount Sinai  
New York, NY

**Effect of chronic sleep disruption on brain tau phosphorylation and spread**

2018 Alzheimer's Association Research Grants (AARG)- \$149,999 over 3 years

*Does sleep disruption lead to more rapid build-up of abnormal tau protein in the brain?*

**Laura Vella, Ph.D.**

The Florey Institute of Neuroscience and Mental Health  
Parkville, Australia

**Do extracellular vesicles mediate progression of Alzheimer's disease?**

2018 Alzheimer's Association Research Fellowships (AARF) Program- \$174,786 over 3 years

*What role does the brain's waste clearance system play in formation of hallmark brain changes in Alzheimer's?*

**Hongtian Yang, Ph.D.**

The Jackson Laboratory  
Bar Harbor, ME

**Determining how genetic diversity of myeloid cells impacts AD progression**

2018 Alzheimer's Association Research Fellowships (AARF) Program- \$174,720 over 3 years

*How do brain cells that increase inflammation impact progression of Alzheimer's?*

**Na Zhao, M.D., Ph.D.**

Mayo Clinic Jacksonville  
Jacksonville, FL

**ApoE isoform effects on cerebral insulin signaling in Alzheimer's disease**

2018 Alzheimer's Association Research Fellowships (AARF) Program- \$140,000 over 3 years

*How do beta amyloid and the APOE-e4 gene variation work together to impair brain health in Alzheimer's?*

**Jing Zhao, Ph.D.**

Mayo Clinic Jacksonville  
Jacksonville, FL

**ApoE isoform effects on tau pathology using iPSC-derived cortical organoids**

2018 Alzheimer's Association Research Fellowships (AARF) Program- \$174,811 over 3 years

*How do different variations of the APOE gene lead to abnormal tau accumulation in the brain in Alzheimer's?*

**Diagnosis, Assessment and Disease Monitoring**

**Miguel Arce, Ph.D.**

Columbia University  
New York, NY

**Bilingualism among Individuals with and without Family History of Dementia**

2018 Alzheimer's Association Research Fellowships to Promote Diversity (AARF-D)- \$164,039 over 3 years

*Does speaking multiple languages help reduce the risk of Alzheimer's in aging Hispanic Americans?*

**Mircea Balasa, M.D., Ph.D.**

Trinity College Dublin  
Dublin, Ireland

**Primary-specialised Care Partnership for an Earlier Diagnosis of AD**

2018 The Pilot Awards for Global Brain Health Leaders (GBHL)- \$21,780 over 1 year

**Katherine J. Bangen, Ph.D.**

University of California  
La Jolla, CA

**Cerebral Arterial Compliance and Cognitive Function in MCI**

2018 Alzheimer's Association Research Grants (AARG)- \$150,000 over 3 years

*Can you measure stiff blood vessels in the brain as a novel early-stage marker of Alzheimer's?*

**Willa Brenowitz, Ph.D.**

University of California  
San Francisco, CA

**Relationships between multiple sensory impairments and cognitive decline**

2018 Alzheimer's Association Research Fellowships (AARF) Program- \$175,000 over 3 years

*What are the relationships between sensory impairments, such as hearing and vision loss, and cognitive decline in older adults?*

**Kacie Deters, Ph.D.**

Stanford University  
Palo Alto, CA

**AD genetic risk factors and cognitive decline in African- Americans**

2018 Alzheimer's Association Research Fellowships to Promote Diversity (AARF-D)- \$175,000 over 3 years

*Do specific genes increase risk of African-Americans in developing Alzheimer's-related brain changes?*

**Lisbeth Evered, Ph.D.**

St. Vincent's Hospital  
Melbourne, Australia

**Biomarker evidence of neuronal damage in response to anesthesia and surgery**

2018 Alzheimer's Association Research Grants (AARG) Program- \$149,800 over 3 years

*Can certain compounds in the blood identify brain damage resulting from surgery with anesthesia?*

**Boris Gutman, Ph.D.**

Illinois Institute of Technology  
Chicago, IL

**Advanced Disconnectome Markers of Alzheimer's Disease**

2018 Alzheimer's Association Research Grants (AARG)- \$149,997 over 3 years

*How do the brain's nerve cell connections become damaged in the early stages of Alzheimer's?*

**Laura Jonkman, Ph.D.**

VU University Medical Center  
Amsterdam, Netherlands

**Impact of (p-)Tau and amyloid- $\beta$  on brain networks in Alzheimer's patients**

2018 Alzheimer's Association Research Fellowships (AARF) Program- \$175,000 over 3 years

*How does the underlying biology in Alzheimer's affect the clinical symptoms for an individual?*

**Aurélie Ledreux, Ph.D.**

University of Denver



Denver, CO

**Brain-derived exosomes as biomarkers for Alzheimer's disease**

2018 Alzheimer's Association Research Grants (AARG)- \$149,997 over 3 years

*Can measuring tau and beta-amyloid content in blood predict the development of Alzheimer's?*

**Emer McGrath, M.D.**

Brigham and Women's Hospital, Inc.

Boston, MA

**Serum Biomarkers for Predicting Cognitive Decline and Dementia**

2018 Alzheimer's Association Clinical Fellowships (AACSF)- \$140,000 over 2 years

*Do changes of certain molecules in the blood associate with cognitive diseases like Alzheimer's later in life?*

**Naomi Nevler, M.D.**

University of Pennsylvania

Philadelphia, PA

**Novel Speech Biomarkers in Amnesic and Non-amnesic AD**

2018 Alzheimer's Association Clinical Fellowships (AACSF)- \$175,000 over 3 years

*Can subtle speech changes be an early indicator of the earliest stages of Alzheimer's?*

**Ronald Petersen, M.D., Ph.D.**

Mayo Clinic

Rochester, MN

**Alzheimer's Disease Biomarker Combinations in the Community**

2018 Zenith Fellows Awards (ZEN)- \$450,000 over 3 years

*How do toxic forms of tau and beta-amyloid interact to promote Alzheimer's disease?*

**Fabrizio Piazza, Ph.D.**

University of Milano - Bicocca

Milan, Italy

**CAA-ri as a human spontaneous model of ARIA for biomarkers research**

2018 Alzheimer's Association Research Grants (AARG)- \$150,000 over 3 years

*Can the study of therapy-related adverse side effects improve our understanding of how the immune system may fight Alzheimer's?*

**Yakeel Quiroz, Ph.D.**

Massachusetts General Hospital

Boston, MA

**Taking it to the extreme: The search for modifiers of cognitive decline**

2018 Alzheimer's Association Research Grants to Promote Diversity (AARG-D)- \$146,415 over 3 years

*What genes and lifestyle factors contribute to the age of Alzheimer's onset?*

**Ameer Taha, Ph.D.**

University of California

Davis, CA

**Lipid pathways underlying the vascular contributions to Alzheimer's Disease**

2018 Alzheimer's Association Research Grants to Promote Diversity (AARG-D)- \$149,975 over 3 years

*Could the levels of certain fats in the blood help predict a person's risk of Alzheimer's?*

**Ioannis Tarnanas, Ph.D.**

Trinity College Dublin  
Dublin, Ireland

**Alzheimer's Disease Prediction Service (ADPS): a computational biomarker**

2018 The Pilot Awards for Global Brain Health Leaders (GBHL)- \$25,000 over 2 years

**Sarinnapha Vasunilashorn, Ph.D.**

Beth Israel Deaconess Medical Center  
Boston, MA

**Genetic and Inflammatory Mechanisms of Delirium and Alzheimer's Disease**

2018 Alzheimer's Association Research Fellowships (AARF) Program- \$175,000 over 3 years

*How might stress-related delirium after surgery, increase risk for Alzheimer's?*

**Dominic Walsh, Ph.D.**

Brigham and Women's Hospital, Inc.  
Boston, MA

**A blood-based molecular fingerprint for early Alzheimer's disease**

2018 Zenith Fellows Awards (ZEN)- \$449,999 over 3 years

*Can a blood test be used to detect and diagnose Alzheimer's disease?*

**Li Zhao, Ph.D.**

Children's National Medical Center  
Washington D.C.

**Noninvasive biomarkers of CSF production**

2018 Alzheimer's Association Research Fellowships (AARF) Program- \$175,000 over 3 years

*Can measuring the loss of a fluid that surrounds the brain help diagnose Alzheimer's?*

**Megan Zuelsdorff, Ph.D.**

University of Wisconsin-Madison  
Madison, WI

**Social stressors, allostatic load, and disparities in cognitive aging**

2018 Alzheimer's Association Research Fellowships (AARF) Program- \$174,870 over 3 years

*How might a disadvantaged social environment increase risk for Alzheimer's?*

**Translational Research and Clinical Interventions**

**Roberta Brinton, Ph.D.**

University of Arizona Health Sciences  
Tucson, AZ

**Advancing Allopregnanolone as a regenerative therapeutic for Alzheimer's**

2018 The Part the Cloud to RESCUE Brain Cell Degeneration in Alzheimer's Disease (PTC-R)- \$1,000,000 over 2 years

*This is a Phase 2a study to determine whether an important hormone in brain function is able to regenerate brain cells and restore function in people with Alzheimer's.*

**Rafael de la Torre, Ph.D.**

Fundacio Institut Mar d'Investigacions Mediques  
Barcelona, Spain

**Cognitive decline in early stages of AD after EGCG and a multimodal therapy**

2018 The Part the Cloud to RESCUE Brain Cell Degeneration in Alzheimer's Disease (PTC-R)- \$999,244 over 2 years  
*This is a Phase 2 clinical trial to examine the efficacy of compound EGCG combined with multicomponent lifestyle changes as an approach to slow down cognitive decline in early stages of Alzheimer's.*

**Claudia Duran-Aniotz, Ph.D.**

Instituto de Neurociencia Biomedica (BNI)  
Santiago, Chile

**Targeting the UPR stress sensor IRE1 to treat Alzheimer's disease**

2018 Alzheimer's Association Research Grants (AARG)- \$150,000 over 3 years  
*Could therapeutic small molecules help nerve cells overcome the effects of misfolded proteins during Alzheimer's?*

**Eugenio Gutierrez Jimenez, M.D., Ph.D.**

University of Aarhus  
Aarhus, Denmark

**Capillary dysfunction in Alzheimer's disease: Pathophysiology and Treatment**

2018 Alzheimer's Association Research Fellowships (AARF) Program- \$175,000 over 3 years  
*Is low oxygen level in the brain a characteristic of Alzheimer's and could it be treated by a FDA approved drug?*

**Xue Hua, Ph.D.**

M3 Biotechnology, Inc.  
Seattle, WA

**Phase 2a Alzheimer's Trials of a Novel Neurotrophic Activator, NDX-1017**

2018 The Part the Cloud to RESCUE Brain Cell Degeneration in Alzheimer's Disease (PTC-R)- \$1,000,000 over 1.5 years  
*This is a Phase 2a trial that explores if a drug that stimulates brain cell growth and survival could be a novel therapy for Alzheimer's.*

**Elissaios Karageorgiou, M.D., Ph.D.**

The Regents of the University of California, San Francisco  
San Francisco, CA

**Cognitive Behavioral Therapy of Insomnia in Mild Cognitive Impairment**

2018 The Pilot Awards for Global Brain Health Leaders (GBHL)- \$25,000 over 2 years

**Enza Lacivita, Ph.D.**

University of Bari  
Bari, Italy

**Drug development of pro-resolving ALX/FRP2 agonists for Alzheimer's Disease**

2018 Alzheimer's Association Research Grant- New to the Field (AARG-NTF)- \$120,000 over 2 years  
*Can targeting brain inflammation lead to decreased beta-amyloid in Alzheimer's as a potential therapy?*

**Krista Lanctôt, Ph.D.**

Sunnybrook Research Institute  
Toronto, Ontario

**Linking GSH and cognitive response: a pilot phase 2a study of NAC in VCIND**

2018 Part the Cloud Translational Research Funding for Alzheimer's disease (PTC)- \$443,000 over 3 years  
*Can a drug designed to boost levels of a key antioxidant in the brain help delay or prevent the onset of dementia?*

**Kent Leslie, M.S.**

Amylyx Pharmaceuticals Inc.  
Cambridge, MA

**Phase II Study to Assess Safety and Target Engagement of AMX0035 in AD**

2018 Alzheimer's Combination Therapy Opportunities (ACTO)- \$507,567 over 2.5 years

**JiaBei Lin, Ph.D.**

University of Pennsylvania  
Philadelphia, PA

**Developing therapeutic protein disaggregases for Alzheimer's Disease**

2018 Alzheimer's Association Research Fellowships (AARF) Program- \$175,000 over 3 years

*Can a protein found in yeast be used to moderate the harmful effects of beta-amyloid and tau in Alzheimer's?*

**Cassie Mitchell, Ph.D.**

Georgia Institute of Technology  
Atlanta, GA

**Quilting disparate data patches to elucidate Alzheimer's Disease**

2018 Alzheimer's Association Research Grants to Promote Diversity (AARG-D)- \$150,000 over 3 years

*Can the vast scientific literature on Alzheimer's be organized into a cohesive, easily-usable database?*

**Lennart Mucke, M.D.**

The J.David Gladstone Institutes  
San Francisco, CA

**Development of Tau-lowering Small Molecule Drugs**

2018 Alzheimer's Innovation Award (AIA)- \$150,000 over 2 years

*Could novel drugs that target tau levels in the brain prevent and slow Alzheimer's progression?*

**Paul Newhouse, M.D.**

Vanderbilt University  
Nashville, TN

**M1-PAM VU319 Effects on Network Connectivity in MCI: A Proof-of-Concept Study**

2018 The Part the Cloud to RESCUE Brain Cell Degeneration in Alzheimer's Disease (PTC-R)- \$998,151 over 2 years

*This is a Phase 2a clinical trial to test if a novel drug that stimulates specific brain cell proteins could improve memory and attention in people with Mild Cognitive Impairment.*

**Rogério Panizzutti, M.D., Ph.D.**

Trinity College Dublin  
Dublin, Ireland

**Cognitive training to promote brain health: implementation and engagement**

2018 The Pilot Awards for Global Brain Health Leaders (GBHI)- \$25,000 over 1.5 years

**Sabrina Pickens, Ph.D.**

University of Texas Health Science Center  
Houston, TX

**Modifying a Telephone Based Care Program to Assess for Self-Neglect**

2018 Alzheimer's Association Research Grants to Promote Diversity (AARG-D)- \$119,998 over 2 years

*Can a care program administered by telephone help, homebound older adults to carry out vital daily activities?*

**Jagan Pillai, M.D., Ph.D.**

Cleveland Clinic Foundation  
Cleveland, OH

**Immune & genetic predisposition altering TNF responses in Alzheimer disease**

2018 Alzheimer's Association Research Grants (AARG)- \$150,000 over 3 years

*What immune system and genetic variations might lower the risk of harmful brain inflammation during early Alzheimer's?*

**Joel Salinas, M.D., M.B.A., M.Sc.**

Massachusetts General Hospital  
Boston, MA

**Robert Katzman Clinical Fellowship in Alzheimer's & Related Dementias**

2018 Alzheimer's Association Clinical Fellowships (AACSF)- \$106,666 over 2 years

**Ashley Sanderlin, Ph.D.**

Wake Forest University Health Sciences  
Winston-Salem, NC

**Ketogenic Dietary Effects on Sleep, Cognition and Behavior in MCI**

2018 Alzheimer's Association Research Fellowships to Promote Diversity (AARF-D)- \$169,999 over 3 years

*Can a low-carbohydrate diet improve sleep and brain function and improve quality of life in individuals with Mild Cognitive Impairment?*

**Stephen Strittmatter, M.D., Ph.D.**

Yale School of Medicine  
New Haven, CT

**Silent Allosteric Modulation of mGluR5 for Alzheimer's Disease**

2018 The Part the Cloud to RESCUE Brain Cell Degeneration in Alzheimer's Disease (PTC-R)- \$999,895 over 3 years

*Can a drug block harmful functions of a brain cell protein without affecting its normal, healthy functions in people with Alzheimer's?*

**Kyran Tsapkini, Ph.D.**

Johns Hopkins University- School of Medicine  
Baltimore, MD

**Predicting therapy effects in people with Alzheimer's disease using tDCS**

2018 The Pilot Awards for Global Brain Health Leaders (GBHL)- \$25,000 over 1.5 years

**Manfred Windisch, Ph.D.**

Neurokine Therapeutics LLC  
New York, NY

**Phase 1 Study of MW150: Novel Stress Kinase Inhibitor Candidate**

2018 Part The Cloud Translational Research Funding for Alzheimer's Disease (PTC)- \$436,745 over 2 years

*Can a novel pleiotropic compound that targets synaptic loss and neuroinflammation prove to be safe and tolerable in humans?*

## **Population Studies**

### **Zelde Espinel, M.D.**

University of Miami  
Coral Gables, FL

#### **Behavioral/Cognitive Effects of Hurricane Irma on Alzheimer's Disease**

2018 Alzheimer's Association Clinical Fellowships to Promote Diversity (AARF-D)- \$175,000 over 3 years  
*How do traumatic events affect people living with Alzheimer's dementia?*

### **Jorge Llibre Guerra, M.D.**

Global Brain Health Institute, UCSF  
San Francisco, CA

#### **The Cuban Dementia Study among admixture populations: a longitudinal study**

2018 The Pilot Awards for Global Brain Health Leaders (GBHL)- \$25,000 over 1 year

### **Claire McEvoy, Ph.D., M.Phil**

Queen's University  
Belfast, Northern Ireland

#### **Ideal cardiovascular health, cognitive decline and incident dementia**

2018 The Pilot Awards for Global Brain Health Leaders (GBHL)- \$24,247 over 1 year

### **Matthew Pase, Ph.D.**

Swinburne University of Technology  
Hawthorn, Australia

#### **Effects of Poor Sleep on Alzheimer's disease Pathogenesis**

2018 Alzheimer's Association Research Grants (AARG) Program- \$149,835 over 3 years  
*Can altered sleep lead to the onset of Alzheimer's by boosting brain levels of beta-amyloid?*

### **Nicole Spartano, Ph.D.**

Boston Medical Center Corporation  
Boston, MA

#### **Physical Inactivity, Epigenetic Aging, and Preclinical Dementia**

2018 Alzheimer's Association Research Grants (AARG)- \$149,103 over 3 years  
*Which biological mechanisms may underlie the link between physical inactivity and an increased risk for dementia?*

### **Warren Taylor, M.D.**

Vanderbilt University  
Nashville, TN

#### **Sex Differences in Stress Response in Individuals at Higher Risk for AD**

2018 Alzheimer's Association Sex and Gender in Alzheimer's (SAGA)- \$100,000 over 1 year  
*Do differences in how women and men respond to stress influence their risk for later life cognitive decline?*

## **Dementia care and Impact of Disease**

### **Jalayne Arias, J.D., M.A.**

University of California

San Francisco, CA

**Social, Legal, and Financial Consequences of Frontotemporal dementia**

2018 The Pilot Awards for Global Brain Health Leaders (GBHI)- \$25,000 over 1 year

**Eleonore Bayen, M.D., Ph.D.**

Association Robert Debré pour la Recherche Médicale

Paris, FRANCE

**“Brain Health matters” : create understanding around brain health at school**

2018 The Pilot Awards for Global Brain Health Leaders (GBHI)- \$25,000 over 1 year

**Alissa Bernstein, Ph.D.**

Global Brain Health Institute, UCSF

San Francisco, CA

**Brain Health Promotion and Dementia Prevention among Bay Area Latinos**

2018 The Pilot Awards for Global Brain Health Leaders (GBHI)- \$24,970 over 1.5 years

**Nathalie Bier, Ph.D.**

Universite de Montreal

Montreal, Québec

**Assistive technology for cognition to increase safety at home**

2018 Alzheimer’s Association Research Grants (AARG)- \$150,000 over 3 years

*Can novel technology help people in earlier stage Alzheimer's remain independent and safe in their homes?*

**Dominic Campbell, B.A.**

Trinity College Dublin

Dublin, Ireland

**Creative Ageing International**

2018 The Pilot Awards for Global Brain Health Leaders (GBHI)- \$24,728 over 1 year

**Maria Carmona-Iragui, M.D., Ph.D., M.H.S**

Institut De Recerca De L'Hospital De La Santa Creu i Sant Pau

Barcelona, Spain

**Domiciliary Alzheimer Visiting in Down syndrome**

2018 The Pilot Awards for Global Brain Health Leaders (GBHI)- \$24,970 over 2 years

**Laurent Cleret de Langavant, M.D., Ph.D.**

Association Robert Debré pour la Recherche Médicale

Paris, FRANCE

**Statistical learning to track dementia in population based surveys**

2018 The Pilot Awards for Global Brain Health Leaders (GBHI)- \$25,000 over 1 year

**Barbara Costa Beber, Ph.D.**

Associacao Mário Tannhauser de Ensino, Pesquisa e Assistencia – aMTepa

Porto Alegre, Brazil

**Awareness and knowledge of dementia amongst Speech and Language Therapists**

2018 The Pilot Awards for Global Brain Health Leaders (GBHI)- \$25,000 over 1 year

**Elisa de Paula França Resende, M.D.**

Universidade Federal de Minas Gerais- Faculdade de Medicina  
Belo Horizonte, Brazil

**Basic literacy, memory and brain connectivity**

2018 The Pilot Awards for Global Brain Health Leaders (GBHI)- \$25,000 over 2 years

**Fayron Epps, Ph.D.**

Georgia State University Research Foundation, Inc.  
Atlanta, GA

**Dementia-Friendly Faith Villages to Support African American Families**

2018 Alzheimer's Association Research Grants to Promote Diversity (AARG-D)- \$150,000 over 3 years

*How might attending church together strengthen the well-being of African-Americans with dementia and their caregivers?*

**Linda Francis, Ph.D.**

Cleveland State University  
Cleveland, OH

**A Virtual Interaction Training Guide as a Quality of Life Intervention**

2018 Alzheimer's Association Research Grants (AARG)- \$149,913 over 3 years

*Does a computer-based tool benefit quality of life in residential care for people with Alzheimer's?*

**Elena Portacolone, Ph.D., M.B.A, M.P.H**

University of California  
San Francisco, CA

**Scalable Strategies to recruit African Americans into dementia research**

2018 Alzheimer's Association Research Grants (AARG)- \$150,000 over 3 years

*Can partnerships with specific community-based organizations help increase recruitment of African Americans in dementia research?*

**Kendra Ray, Ph.D.**

Menorah Home and Hospital  
Brooklyn, NY

**Beyond Listening: A Music-Based Caregiver Intervention**

2018 Alzheimer's Association Research Fellowships to Promote Diversity (AARF-D)- \$175,000 over 3 years

*Can an effective, music-based therapy be delivered by a family caregiver in the home for people living with dementia?*

**Octavio Santos, Ph.D.**

Mayo Clinic Jacksonville  
Jacksonville, FL

**Spanish translation and cultural adaptation of the Memory Support System**

2018 Alzheimer's Association Research Fellowships to Promote Diversity (AARF-D)- \$140,000 over 2 years

*Can a culturally-tailored brain exercise program improve memory and daily function in older Hispanic/Latino adults?*

**Fionnuala Sweeney, B.A.**

Trinity College Dublin  
Dublin, Ireland

**Your Brain's Health -Innovative Digital Platform**

2018 The Pilot Awards for Global Brain Health Leaders (GBHI)- \$25,000 over 1 year



**Stelios Zygouris, M.S.**

Greek Association of Alzheimer's disease and Related Disorders

Thessaloniki, Greece

**A two-tiered cost-efficient computerized cognitive screening protocol**

2018 The Pilot Awards for Global Brain Health Leaders (GBHL)- \$25,000 over 2 years

\* This list contains the awards funded exclusively by Alzheimer's Association in FY2018.