

- VCU/MCV Vincent Calabrese, MD
 "Immunologic Response in Dementia of the Alzheimer's Type"
- VCU Barbara Myers, PhD, and Gary Creasey, PhD
 "Alzheimer's Disease: Effects on Child and Family Life"
- VCU/MCV Iris Parham, PhD, and Joan Wood, PhD
 "Ethnic and Cultural Issues in Family Caregiving"
- EVMS Patricia Williams, PhD
 "Abnormal Calcium Uptake as Expressed by Fibroblasts from Patients with Alzheimer's Disease"
- 1987** VCU/MCV Lorna M. Barrell, PhD, RN
 "Needs Assessment of Persons with Alzheimer's Disease and Their Family Caregivers"
- VCU/MCV Richard A. Glennon, PhD
 "Discriminative Stimulus Properties of the Psychogeriatric Agent Pramiracetam in Rats"
- VCU/MCV Susan E. Robinson, PhD
 "Regulation of Basal Forebrain Cholinergic Neurons"
- UVA John Savory, PhD
 "Effect of Aluminum on Amyloid Gene Expression in a Rabbit Model for Alzheimer's Disease"
- EVMS Patricia B. Williams, PhD
 "Mechanism for Abnormal Calcium Uptake by Fibroblasts from Patients with Alzheimer's Disease"
- 1988** VIRGINIA TECH William D. Blaker, PhD
 "The Influence of Cholinergic Afferents on the Somatostatinergic System in the Rat Hippocampus"
- UVA Lennart Heimer, MD
 "Degeneration of Higher Order Olfactory Pathways in Alzheimer's Disease"
- VCU/MCV Alfred J. Richard, PhD
 "The Interactions of THA with DNA as a Function of Ionic Strength and Drug Concentration"

- UVA Claire Levesque, MD
"Quantitative Autoradiographic Analyses of Changes in Cholinergic Markers in Alzheimer's Disease and Aging"
- 1989** VCU/MCV Donald J. Abraham, PhD
"Specific Ligands for Alzheimer's Disease Beta-Amyloid Protein"
- UVA Felicia Gaskin, PhD
"Comparison of Antibodies in Alzheimer's Disease and Down's Syndrome"
- VCU/MCV Heidi F. Villanueva, PhD
"Blockade of AF64A (Ethylcholine Aziridinium Ion) - Induced Memory Impairment in Rats via Pretreatment with Cholinergic Agonists"
- UVA Michael R. Wills, MD, PhD
"Aluminum-Induced Neurofibrillary Pathology - - Similarities to Human Motoneuron Disease"
- 1990** VCU/MCV James M. Collins, PhD
"Altered Membrane Fluidity of Peripheral Blood Cells of Alzheimer's Disease"
- VCU/MCV Linda M. Dougherty, PhD, and Joan B. Wood, PhD
"Emotional & Personality Factors Related to Caregivers' Adaptation"
- UVA Carol A. Manning, PhD
"Glucose Enhancement of Memory in Patients with Alzheimer's Disease"
- EVMS Bruce W. Tedeschi, PhD, and Francis J. Liuzzi, PhD
"The Effects of Amyloid-Associated Protease Inhibitors on Neuronal Pathology"
- 1991** VCU Joyce O. Beckett, PhD
"Family Care of African-Americans with Dementia"
- WESTERN STATE HOSPITAL Bernice A. Marcopulos, PhD, and David Steiner, MD
"Periodicity of Agitated Behaviors in Patients with Alzheimer's Disease and Related Disorders: Relationship to Circadian Change in Cognition, Physiological Variables, and Environmental Milieu"
- VCU/MCV Glenn C. Van Tuyle, PhD
"Accumulation of Partially Deleted DNA as a Basis for Aging and Aging-Related Diseases"
- VCU/MCV Robert K. Yu, PhD, and Megumi Saito, MD, PhD "Ganglioside Changes in Alzheimer's Brain"

- 1992**
- UVA Daniel J. Cox, PhD
"The Presence and Progression of Driving Disability in Alzheimer's Disease Patients"
- FAMILY Lin E. Noyes, RN, MSN, and Shelley K. Gardner, MA, NHA
RESPITE "Measuring the Effectiveness of Supervised Practicum as an Adjunct to
CENTER Training Family Caregivers"
- UVA John Savory, PhD
"Reversal of Al-induced Neurodegeneration by Desferrioxamine"
- UVA Patricia A. Trimmer, PhD
"Regulation of Astrocyte Gene Expression in Young Adult and Aged Rats in Response to Neuronal Degeneration"
- 1993**
- UVA Shelley Halpain, PhD
"Regulation of TAU Phosphorylation in Intact Neurons"
- UVA Suzanne Holroyd, MD
"A Pilot Study of Visual Hallucinations in Patients with A.D."
- VCU/MCV Susan Robinson, PhD
"Role of Nicotine Receptors in the Regulation of Cholinergic Neurons"
- EVMS Bruce Tedeschi, PhD
"Does the Amyloid Peptide (A4B) Have Molecular Associations with Heat Shock Chaperone Proteins?"
- 1994**
- VCU/MCV Marc W. Fariss, PhD
"Tacrine-Mediated Hepatotoxicity: Role of Protein Synthesis Inhibition"
- UVA Samuel A. Green, PhD
"Rapid Constitutive Lysosomal Targeting of Amyloid Precursor Protein"
- VIRGINIA TECH Bradley G. Klein, PhD
"Glia-derived Trophic Cytokines Associated with Alzheimer's Disease: Neuroplasticity as a Putative Precursor to Neuropathology"
- UVA Daniel B. Willingham, PhD, & Carol Manning, PhD "Motor Skill in Alzheimer's Disease"
- 1995**
- VCU/MCV John W. Bigbee, PhD
"Studies on Possible Neurotoxic Effects of Acetylcholinesterase Inhibitors Used in Alzheimer's Disease Treatment"

UVA Heidi Scrable, PhD, Shelley Halpain, PhD, and David Brautigan, PhD
"Investigation into the Role of PP2A in Alzheimer's-like Cytoskeletal Alterations Using a Novel Inducible Gene Expression System"

UVA Patricia A. Trimmer, PhD
"Reactive Astrocytes in Aging and Alzheimer's Disease: Neurotrophic Factors"

VCU/MCV Richard B. Westkaemper, PhD
"Molecular Models of the Nicotinic Receptor: A Potential Route to the Rational Design of Agents to Treat Alzheimer's Disease"

1996

EVMS Frank J. Castora, PhD
"Analysis of the Role of Mitochondrial DNA in Alzheimer's Disease Using mtDNA-Depleted Cells"

VDEM Robert J. Koester, MS
"Behavioral and Statistical Profile of Lost Alzheimer's and Related Diseases Subjects in Virginia"

UVA John Savory, PhD
"Amyloid Precursor Protein and Tau Aggregation in Neuritic Tangles in Aging"

UVA Daniel B. Willingham, PhD
"Inpatient Variability in Alzheimer's Disease"

1997

UVA Thomas C. Foster, PhD
"Mechanism for Memory Impairment and Pathophysiology Associated with Aging and Alzheimer's Disease"

EVMS Evan T. Keller, DVM, PhD, and Paul F. Aravich, PhD "Do Free Radicals Induce Interleukin-6 Expression in the Rat Hippocampus? A Model for Alzheimer's Disease"

EVMS Francis J. Liuzzi, PhD
"Does Estrogen Protect Basal Forebrain Neurons from Neurodegenerative Changes?"

UVA Russell H. Swerdlow, MD
"Cytochrome Oxidase Associated Pathophysiology in Alzheimer's Disease"

- 1998**
- VCU J. James Cotter, PhD
 "Special Care for Persons with Alzheimer's Disease and Related Disorders: The Response of Virginia's Nursing Facilities, Adult Care Residences and Home Care Agencies"
- VIRGINIA TECH Bradley G. Klein, PhD, and Jeffrey Bloomquist, PhD
 "Improved Visualization and Localization of the Neural Substrates of Experimental Parkinsonism"
- UVA Carol A. Manning, PhD, and J. Hunter Downs, III, PhD
 "Brain Effect of Glucose Facilitation on Memory in Alzheimer's Disease: A Functional Magnetic Resonance Imaging Study"
- 1999**
- GMU Giorgio Ascoli, PhD
 "Effect of Dendritic Morphology on Neuronal Electrophysiology in a Lesion Model of Alzheimer's Disease"
- UVA Suzanne Holroyd, MD, and Andrew Wolf, MD
 "Attitudes on Whether Physicians Should Tell Alzheimer's Disease Patients Their Diagnosis"
- VIRGINIA TECH Shannon E. Jarrott, PhD
 "The Effects of Instrumental Assistance on Family Caregivers of Patients with Dementia"
- UVA Virginia Simnad, MD
 "Alteration in Proton Spectra of the Hippocampus to Oral Ingestion of Glucose in Alzheimer's Disease"
- VCU Patricia W. Slattum, PharmD, PhD, and Vivien E. James, PharmD
 "Anticholinergic Medication Use in Elderly Patients Diagnosed with Dementia or Taking Acetylcholinesterase Inhibitors"
- 2000**
- UVA James P. Bennett, Jr., MD, PhD, and Christine Thiffault, PhD
 "Mitochondria Membrane Potential in Alzheimer's Disease"
- GOODWIN SHEILA CASWELL, MARY A. CORCORAN, PhD, OTR, and KAREN LOVE
 HOUSE "A Staff-Developed Program to Enhance Care Quality for Residents with Dementia"
- EVMS Barbara Freund, PhD, RN
 "Use of the Clock Drawing Test as a Screen for Declining Driving Competency in Cognitively Impaired Older Adults"

- VCU/MCV Mohammed Kalimi, PhD
 "Amyloid Beta Protein-Induced Hippocampal Cell Death: Mechanism of Action"
- VCU/MCV Elizabeth O'Keefe, MD, Pamela Parsons, GNP, and Peter Boling, MD
 "Percutaneous Endoscopic Gastrostomy (PEG) for Nutritional Support in Persons with Advanced Dementia and Feeding Difficulties: Do the Outcomes Fulfill the Expectations of the Decision-Maker?"
- VIRGINIA TECH Sherry Schofield-Tomschin, PhD, and Anna Marshall-Baker, PhD
 "Tactile and Visual Stimuli in Alzheimer's Care Units: Incorporating Quilts in the Living Environment"
- 2001**
- UVA Erik J. Fernandez, PhD
 "Revealing Amyloid- β Structure and Oligomer Distributions Using Mass Spectrometry"
- UVA Carol Manning, PhD, and Kathleen Fuchs, PhD
 "The Subjective and Objective Experience of Women at Genetic Risk for Alzheimer's Disease"
- UVA John Savory, PhD, and Othman Ghribi, PhD
 "Stress in the Endoplasmic Reticulum Mediates Active Neuronal Death in Experimental Neurodegeneration"
- VCU/MCV Jurgen Venitz, MD, PhD, and Yuxin Men, MD
 "Pharmacokinetic/Pharmacodynamic (PK/PD) Modeling of the Interaction of IV Scopolamine and Physostigmine in Healthy Elderly Volunteers"
- VCU/MCV Janet H. Watts, PhD, OTR, and Jodi L. Teitelman, PhD
 "Alzheimer's Disease Caregiver Occupational Performance, Respite as a Mental Break, and Program Implications"
- 2002**
- VIRGINIA TECH Paul R. Carlier, PhD
 "Structure-Based Design of Dimeric Memory Enhancing Drug"
- VCU J. James Cotter, PhD, E. Ayn Welleford, PhD, and K. Vesley
 "Improving the Capacity of Home Care Aides in Rural Areas Serving Persons with Alzheimer's Disease and Related Disorders"
- UVA Elana Farace, PhD, and Mark E. Shaffrey, MD
 "Neurocognitive Discrimination of Alzheimer's from Normal Pressure Hydrocephalus Verified by Brain Biopsy"

- JMU Merle E. Mast, PhD, and Marilyn Wakefield, PhD
 “Rural Family Caregivers’ Perceptions of Facilitators and Deterrents to the Use of In-Home Respite”
- MOUNTAIN EMPIRE OLDER CITIZENS, INC. Marilyn Pace Maxwell, MSW, and Michael Creedon, DSW
 “Using the Internet for Alzheimer’s Care: The Challenge for Elders and Service Organizations in Approach”
- 2003** UVA James P. Bennett, MD, PhD, and Bradley Miller, MD, PhD
 “Mitochondrial DNA Deletions and Mutations in Alzheimer’s Disease Brain Neurons”
- VIRGINIA TECH Toni Calasanti, PhD
 “Gender Differences in Informal Care Work for Persons with Alzheimer’s Disease”
- VIRGINIA TECH Shannon E. Jarrott, PhD, and P. Diane Relf, PhD
 “Horticulture Therapy for Persons with Dementia: Replication of a Pilot Study”
- ODU Brian K. Payne, PhD, and Randy R. Gainey, PhD
 “The Social Context of Providing Care to Alzheimer’s Patients: Specifying Interactions Between Social Disorganization, Service Utilization, Burden, and Mistreatment
- 2004** UVA Kathleen Fuchs, PhD
 “Beyond Memory Impairment in MCI: Executive Abilities and Implications for Functioning”
- UVA David S. Geldmacher, MD
 “Eye-Movement Approaches to Information Processing Abnormalities in Mild Cognitive Impairment”
- VIRGINIA TECH Anne Glass, PhD
 “The End-of-Life Care Experience for Alzheimer’s Patients and Their Families”
- MOUNTAIN EMPIRE OLDER CITIZENS, INC. Marilyn pace Maxwell, MSW, and Michael Creedon, DSW
 “Developing, Implementing, and Evaluating Training Modules for High School Students to Teach Alzheimer’s Caregivers to Use the Internet Effectively as a Toole to Assist in Caring for Their Family Members”
- 2005** GMU Jane Flinn, PhD
 “The Effect of Enhanced Levels of Zinc and Iron in Drinking Water on Memory, Amyloid Configuration, and Plaque Development in Transgenic Mice”

- GMU Pamela M. Greenwood, PhD, and Karl Fryxell, PhD
 “Use of Allelic Association to Study the Genetics of Cognitive Aging”
- COLLEGE OF WILLIAM & MARY Christine J. Jensen, PhD, and Colleagues
 “Promoting an Effective Partnership between Families Coping with Alzheimer’s Disease and Their Healthcare Providers”
- UVA Michelle King, PhD
 “Direct Interactions between Alpha and Tau in Cultured Cells”
- VIRGINIA TECH Bradley G. Klein, PhD, and Jeffrey R. Bloomquist, PhD
 “Modulation of Cognitive Sequelae of Parkinsonism by Environmental Manganese: Implications for Dementia with Lewy Bodies”
- UVA Isaac G. Onyango, DVM, PhD
 “Molecular Mechanisms of Neurodegeneration in Alzheimer’s Disease”
- UVA Heidi Scoble, PhD
 “Gene Expression Changes in the Aging HPF Axis”
- 2006** VCU Dusan Bratko, ScD
 “Computer Screening of Amyloidogenic Protein Variants”
- EVMS Frank J. Castora, PhD
 “Effect of T9861C mtDNA Mutation on Cytochrome Oxidase Structure and Function”
- ODU Sheri R. Colberg, PhD, FACSM, and Colleagues
 “The Relationship among Alzheimer’s Disease, Dementia, Diabetes, and Physical Activity Status”
- VCU Jeffrey L. Dupree, PhD
 “Understanding the Role of Sulfatide in Maintaining Viable Neurons in Alzheimer’s Disease”
- UVA Paul Freedman, PhD, Richard J. Bonnie, LLB, and Thomas M. Guterbock, PhD
 “Voting and Dementia in Virginia Long-Term Care Facilities”
- UVA Ian G. Macara, PhD, and Huaye Zhang, PhD
 “The Role of Septins in Alzheimer’s Disease”
- GMU Jeanne Sorrell, PhD, RN, and Catherine J. Tompkins, PhD
 “Ethics of Respect for Spirituality in Persons Living with Alzheimer’s Disease”

- 2007**
- VCU Galya R. Abdrakhmanova, MD, PhD
 “Novel Epibatidine Analogs as Potential Selective Agonists of $\alpha 4\beta 2$ nAChRs”
- SHENANDOAH UNIVERSITY Mary A. Corcoran, PhD, OTR
 “Caregiving Styles of Adult Children Who Provide Dementia Care”
- UVA Erik J. Fernandez, PhD
 “Designed Peptides as Models for Amyloid- β Toxicity”
- VCU Richard A. Glennon, PhD
 “Positive Allosteric Modulators of Cholinergic Receptors
- UVA Isaac G. Onyango, DVM, PhD
 “Receptor for Advance Glycation End Products (RAGE) and Lipid Rafts Mediate Amyloid β Neurotoxicity”
- 2008**
- VIRGINIA TECH Paul R. Carlier, PhD
 “Hydroxyethylamine Isostere Triazole-linked BACE1 Inhibitors for Alzheimer’s Disease”
- ODU Gianluca De Leo, PhD
 “Improving quality of life and short-term memory loss in patients with Alzheimer’s dementia: Smartphone application for capturing daily life moments”
- UVA Manoj K. Patel, PhD
 “Cleavage of sodium channel $\beta 3$ subunit by BACE1 and γ -secretase modulates sodium channel activity in brain neurons”
- VIRGINIA TECH Karen A. Roberto, PhD, Rosemary Blieszner, PhD, and Jyoti Savla, PhD
 “Caring for a spouse with Mild Cognitive Impairment: Daily challenges, marital relations, and physiological indicators”
- UVA Timothy Salthouse, PhD
 “Detection of preclinical Alzheimer’s disease”
- VCU Shijun Zhang, PhD, and Tailiang Guo, PhD
 “Bivalent ligands targeting amyloid- β -peptide and lipid rafts”
- 2009**
- VCU Guo-Huang Fan, PhD
 “Potential therapeutic effect of lupeol on Alzheimer’s neuropathology in a transgenic mouse model”

ALZHEIMER'S
ASSOCIATION
CENTRAL AND
WESTERN VA Ellen Phipps, CTRS, and Barbara Braddock, PhD
"Home-based Cognitive Intervention Program in Dementia"

UVA Karen M. Rose, PhD, RN, and Ishan C. Williams, PhD
"Family quality of life in dementia"

VCU H. Tonie Wright, PhD
"Alzheimer's A β amyloid peptide interactions with inflammatory
chaperone molecules"

UVA J. Julius Zhu, PhD, and Lei Zhang, PhD
"Mechanisms for Cdk5-mediated synaptic depression"

2010

VCU Severn B. Churn, PhD
"Neuronal Mechanisms of Trauma-induced Alzheimer's Disease"

GMU Vasiliki N. Ikonomidou, PhD, and Pamela Greenwood, PhD
"Detection of ApoE-related White Matter Degeneration using Tissue
Specific MRI: Sensitivity and Implications for Cognitive Function"

ALZHEIMER'S
ASSOCIATION
SOUTHEASTERN
VIRGINIA Patricia Lacey, MBA, Sonya Barsness, MSG, and Scott Sautter, PhD
"The Impact of Early Alzheimer's Support and Education Programs on
Both Diagnosed Participants and Their Care Partners"

VCU Kate Lapane, PhD
"Assessment of Factors which Influence Physician Decision-making
Regarding Medication Use in Patients with Dementia at the End of
Life"

EVMS Serina A. Neumann, PhD, and Colleague
"Donepezil's Effect on Cardiac Function in Patients with Alzheimer's
Disease Through an In Vivo, Non-Invasive Measure of Peripheral
Neuro-cholinergic Function: Relation to Therapeutic Efficacy"

2011

VCU Malgorzata Dukat, PhD, and Galia R. Abdrakhmanova, MD, PhD
"Small Molecules as Negative Allosteric Modulators of α 7 nAChRs"

GMU Jane M. Flinn, PhD, Nathalia Peixoto, PhD, and Daniel N. Cox, PhD
"Behavioral and Inflammatory Changes in a Mouse Model of Late-
Onset Alzheimer's Disease"

- VCU Aron H. Lichtman, PhD, and Laura E. Wise, PhD
 “Targeting the Endogenous Cannabinoid System to Treat Alzheimer’s Disease”
- GMU Robert H. Lipsky, PhD
 “Functional Characterization of Promoter Polymorphisms of the Human GRIN2B Glutamate Receptor Gene Associated with Altered Memory Functioning in Older Adults”
- 2012**
- UVA Inchan Kwon, PhD, and Erik Fernandez, PhD
 “Revealing the Effect of Food Dyes on Amyloid-Beta Structure-Cytotoxicity Relationships”
- UVA Carol Manning, PhD, ABPP-CN, Steven DeKosky, MD, and Ishan C. Williams, PhD
 “Vascular Risk Factors and Cognition in African Americans”
- MARYMOUNT UNIVERSITY Julie D. Ries, PhD, PT
 “Balance Training Program Designed for Individuals with Alzheimer’s Disease: The Effect on Balance and Falls”
- VCU Vladimir Sidorov, PhD
 “Identification and Characterization of nAChRs Clustered in Cell Membrane Lipid Rafts Using Novel Patching Technique with Chemically Modified Electrodes”
- FERRUM COLLEGE Megan M. St. Peters, PhD
 “Who Forgot the Hippocampus? Potential Involvement in the Neural Circuitry of Attentional Control”
- VCU Dong Sun, MD, PhD
 “Excessive Inflammation in Aging Population Following Brain Injury Impairs Hippocampal Neurogenesis and Cognitive Function: Implications for Alzheimer’s Disease”
- 2013**
- UVA Matthew J. Barrett, MD, MSc, Bradford B. Worrall, MD, MSc, and Robert D. Abbott, MA, MPH, PhD
 “Assessment of Whether Genetic Risk Factors for Alzheimer’s Disease and Vascular Dementia are Associated with Cognitive Impairment in Parkinson’s Disease”
- ODU Christianne Fowler, DNP, RN, GNP-BC, and Colleagues
 “The Impact of an Interdisciplinary Virtual Healthcare Neighborhood on Sleep, Healthcare/Social Support, and Self-Efficacy among Caregivers of Elderly Persons with Dementia”

LIBERTY UNIVERSITY Gary D. Isaacs, PhD
"Remodeling of DNA Methylation Associated with Increased Beta Amyloid Deposition in Mice"

CCAL Karen Love, BS, Elia Femia, PhD, and Sonya Barsness, MSG
"Promoting Change and Action in Person-Centered Care Practices Using a Multi-Media Approach"

RADFORD UNIVERSITY Lisa L. Onega, PhD, RN
"Bright Light Therapy for Individuals with Dementia"

GMU Maren Strenziok, PhD, and Pamela Greenwood, PhD
"The Impact of Auditory Perception Training on Brain Activation and Connectivity in Attention Networks, Reasoning Ability, and Everyday Cognitive Function in Patients with Mild Cognitive Impairment"

VCU Shijun Zhang, PhD, and Hyoung-gon Lee, PhD
"Development of Curcumin/Melatonin Hybrids as Neuroprotective Agents for AD"

2014

GMU Robin Couch, PhD
"Neuroprotection and Alzheimer's Disease"

UVA Roberto Fernandez-Romero MD, MPH, PhD
"The Neurophysiology of Driving Impairments in Early Alzheimer's Disease"

UVA Erin Pennock Foff, MD, PhD and Benjamin Purow, MD
"Investigating the Role of miR-762 in Mediating Disease in C9ORF72-Based Frontotemporal Degeneration"

WARREN MEMORIAL HOSPITAL Jonathan Winter, MD and J. William Kerns, MD
"Pharmacologic and Non-pharmacologic Management of Behavioral and Psychological Symptoms of Dementia: A Mixed-Method Pilot"

GMU Joseph J. Pancrazio, PhD
"Analysis of Amyloid Beta Effects with Living Neuronal Networks"

VIRGINIA TECH Doris T. Zallen, PhD, Golde Holtzman, PhD, and Kye Kim, MD
"Evaluation of a Web-Based Decision Aid for People Considering a Genetic Testing for Alzheimer's Risk"

UVA Zhiyi Zuo, PhD
"Environmental Enrichment Reduces Postoperative Cognitive Dysfunction"

2015¹

- EVMS Frank J. Castora, PhD and Randolph Coleman, PhD
“Biochemical Systems Theory Modeling of Alzheimer's Disease Using Mitochondrial Genes Involved in Amyloid Precursor Protein and Tau Processing”
- UVA Alev Erisir, MD, PhD*
“Ultrastructural Neuropathology in Transgenic Models of Alzheimer's Disease”
- ODU Karen A. Karlowicz, EdD, RN and colleagues
“An Examination of Policy Application and Education Needs of Working Dementia Caregivers”
- VCU MaryPeace McRae, PharmD, PhD and Patricia Slattum, PharmD, PhD*
“Investigating the Relationship between Benzodiazepine Medications and the Development of Blood Brain Barrier Dysfunction as Risk Factors for Alzheimer's Disease”
- VIRGINIA TECH Webster L. Santos, PhD and Gregorio Valdez, PhD*
“Controlling Neuronal Sphingosine-1-Phosphate as Alzheimer’s Disease Therapy”
- GMU Catherine J. Tompkins, PhD, and colleagues*
“Individuals with Dementia at Adult Day Health Care Centers: Examining the Effects of Individualized Music on Mood and Agitation”
- VIRGINIA TECH Bin Xu, PhD, David Bevan, PhD and Ling Wu, MD, PhD*
“Molecular Mechanisms of Amylin as a Novel Contributor to Alzheimer’s Disease”

2016¹

- UVA Matthew J. Barrett, MD, MSc, Jason Druzgal, MD, PhD, and Scott Sperling, PsyD
“Nucleus Basalis of Meynert Degeneration in Parkinson Disease Cognition”
- VCU Jennifer Inker, MBA, MS, Tracey Gendron, PhD, and J. James Cotter, PhD*
“Use of Antipsychotic Medications by Residents with Dementia in Assisted Living Facilities”
- COLLEGE OF WILLIAM & MARY Oliver Kerscher, PhD and Munira Basrai, PhD*
“STuB_L-dependent clearance of transcriptionally-active, aggregate-prone proteins from the nucleus”

- VCU Rory McQuiston, PhD*
“AAV-Induced Tau Pathophysiology in Interneurons of the Mouse Hippocampus”
- UVA Andrés Norambuena, PhD*
“Amyloid Beta Peptides, Nutrient Signaling and Mitochondria Dysfunction: An Unholy Triad in Alzheimer’s Disease”
- VIRGINIA TECH Jyoti S. Savla, PhD, Karen A. Roberto, PhD, and Rosemary Blieszner, PhD*
“Families in Rural Appalachia Caring for Older Relatives with Dementia”
- CHRISTOPHER NEWPORT UNIVERSITY Lisa S. Webb, PhD, and Darlene A. Mitrano, PhD
“Comparative Biochemical and Behavioral Analysis of the 3xTg-AD Mouse Model of Alzheimer’s Disease”
- 2017¹**
- VCU Heather Lucas, PhD
“Developing an Expression Platform for Tetrameric Alpha-Synuclein to Advance Systemic Biochemical Studies”
- VIRGINIA TECH Harald Sontheimer, PhD*
“Is Amyloid Toxic for Glial Cells?”
- VCU Xuejun Wen, MD, PhD
“An In Vitro Model for Alzheimer’s Disease based upon 3D Self-Assembled Neurovascular Microtissues”
- SHENANDOAH FAMILY PRACTICE RESIDENCY Jonathan Winter, MD*
“Changes in Physician Approaches to Behavioral and Psychological Symptoms of Dementia since CMS’s National Partnership to Improve Dementia Care”
- VIRGINIA TECH Ling Wu, MD, PhD and Bin Xu, PhD*
“Drug Repurposing for Tau Aggregation Inhibitors as Neuroprotective Agents for Alzheimer’s Disease”
- VCU Shijun Zhang, PhD*
“Development of NLRP3 Inflammation Inhibitors for AD”
- UVA Zhiyi Zuo, MD, PhD*
“Empathic Transfer of Postoperative Cognitive Dysfunction”
- 2018²**
- EVMS Dianne C. Daniel, PhD, and Edward M. Johnson, PhD*
“Cellular Mechanisms of Pur-based Peptides for Frontotemporal Dementia”

- VCU Joseph M. Dzierzewski, PhD*
"Cognitive and Inflammatory Consequences of Sleep in Older Adults with Alzheimer's Disease and Their Caregivers"
- UVA Heather A. Ferris, MD, PhD*
"Mechanisms of Diabetes-Mediated Increases in Alzheimer's Disease and Dementia"
- ODU Patrick C. Sachs, PhD, Peter A. Mollica, PhD, MB(ASCP), Robert D. Bruno, PhD, and Shu Xiao, PhD*
"Investigating the Effects of Sub-Nanosecond Pulsed Electric Fields as a Potential Protein Disaggregation Agent in Huntington's Disease and Alzheimer's Disease Neurons"
- VIRGINIA TECH Webster Santos, PhD, and Kyle Hoehn, PhD
"Novel Small Molecule Mitochondrial Uncouplers as Therapeutics for Parkinson's Disease"
- RANDOLPH COLLEGE A. Katrin Schenk, PhD
"Interactive Caregiver Portal for the Visualization of Activity and Location Data in an Alzheimer's Population"
- GMU Janusz Wojtusiak, PhD and Catherine Tompkins, PhD
"Analysis of Wandering Patterns of Individuals with Alzheimer's Disease"
- 2019**
- CARILION CLINIC Azizza Bankole, PhD, Martha Anderson, DNP, and John Lach, PhD
"Implementing a Caregiver-Personalized Automated Non-Pharmacological Intervention System for Dementia-Associated Agitation (CANIS)"
- UVA Christopher Deppmann, PhD and John Lukens, PhD
"Receptor Mediated Death Pathways in Alzheimer's Pathogenesis"
- VCU Nathan A. Gillespie, PhD
"Genetic and Environmental Pathways to Mild Cognitive Impairment and Biomarker Positivity Related to Alzheimer's Disease"
- SHENANDOAH VALLEY FAMILY PRACTICE RESIDENCY J. William Kerns, MD, and Jonathan Winter, MD
"Evaluation of the Impact of Race, Payer, and Other Factors on the Changing Management of Dementia Symptoms: High and Low Performing Virginia Nursing Homes Compared"

UVA Amanda M. Kleiman, MD and colleagues
"Post-operative Electroencephalographic Changes and Effects on the Incidence of Delirium Following Cardiac Surgery"

VCU Faika Zanjani, PhD, Jennifer Inker, PhD, and Joann Richardson, PhD
"Health Coaching to Prevent Alzheimer's Disease"

2020

HUNTER Kathryn Holloway, MD, and Mark Baron, MD
HOLMES "Deep Brain Stimulation of the Nucleus Basalis of Meynert: Using
MCGUIRE Electricity to Regenerate and Restore Cognitive Function in Dementia
MEDICAL Rodent Model"
CENTER

UVA Meghan Mattos, PhD, Justin Mutter, MD, MSc, and N. Aaron Yao,
PhD
"Interprofessional Home-Based Medical Care and Education Program
Serving Rural Adults Living with Dementia"

UVA Maureen Metzger, RN, PhD, Ishan Williams, PhD, FGSA, and Emaad
Abdel-Rahman, MD, PhD
"A Study Describing the Unique Needs of Caregivers of Patients with
Both End-Stage Kidney Disease and Cognitive Impairment"

VCU Ana Mills, PsyD, and Bridget Xia, SLP
"The Feasibility of an Interdisciplinary Rehabilitation Program for
Supporting Cognitive Health in Older, Low-Income Adults"

VCU Dong Sun, MD, PhD, Xiang-Yang Wang, PhD, and Shijun Zhang, PhD
" TBI-induced immune/inflammatory response to the development of
Alzheimer's disease"

2021

GMU Alicia Hong, PhD, Sojung Kim, PhD, and Emily S. Ihara, PhD
"Alzheimer Research Inquiry and Care for Asian Americans
(ARICAA): Protocol development of a culturally tailored social media-
based program"

GMU Nadine Kabbani, PhD, Alessandra Luchini, PhD, and Amarda Shehu,
PhD
"Mechanisms of Amyloid Interaction and Signaling through the
Nicotinic Receptor"

SHENANDOAH J. William Kerns, MD, and Jonathan Winter, MD
VALLEY "Clinician perspectives regarding COVID-19's impact on management
FAMILY approaches to dementia symptoms in Virginia nursing homes"
PRACTICE
RESIDENCY

- VCU Gretchen N. Neigh, PhD
 “Dietary Choices as Drivers of Mitochondrial Dysfunction in the Brain: Implications for Dementia”
- JMU Terrie Rife, PhD
 “Understanding the Role of Tau Isoform Variants in the Nucleus”
- ODU Tancy Vandecar-Burdin, PhD, Brian K. Payne, PhD, and Muge Akpınar-Elci, MD, MPH
 “An Examination of Isolation and Risk of Alzheimer's Caregivers during COVID-19: Computer Use as a Security Risk or Effective Coping Tool?”
- VCU Shijun Zhang, PhD
 “Development of NLRP3 PET Radiotracers for Alzheimer's Disease”

2022³

- EVMS Frank J. Castora, PhD and Randolph A. Coleman, PhD*
 “Does the AD-related T9861C mitochondrial DNA (mtDNA) mutation result in gene expression changes that can identify potential AD therapeutic targets?”
- UVA Anelyssa D'Abreu, MD, PhD, MPH, and Pavel Chernyavskiy, PhD*
 Does the Area Deprivation Index (ADI) influence dementia work up and diagnosis in Virginia?
- VCU Laxmikant Deshpande, PhD, and Joseph McClay, PhD*
 Assessment of Beta-site amyloid precursor protein cleaving enzyme 2 (BACE2) in a rat model of occupational-like organophosphate pesticide exposure.
- VCU Kirsty Dixon, PhD*
 Understanding TBI as a risk factor in the development of Alzheimer's disease
- GMU Hyun Kang, PhD, MA, Emily S. Ihara, PhD, MSW, FGSA, and Catherine J. Tompkins, PhD, MSW
 Stronger Memory (Phase II): Experiences of older adults and caregivers in an intervention program for cognitive impairment
- Marymount University Julie D. Ries, PhD, PT Patricia C. Heyn, PhD, FGSA, FACRM, Uma Kelekar, PhD, Rita Wong, EdD, PT, and Catherine Diaz-Asper, PhD*
 Remote online administration of Otago Exercise Program for Individuals with Dementia and their Care Partners: A Feasibility Study

¹The awards for these years (2015-2017) were enhanced by a \$25,000 donation from Mrs. Russell Sullivan of Fredericksburg in memory of her husband, who died of dementia. Sullivan awards are indicated by an asterisk (*).

²The awards for this year (2018) were enhanced by a \$50,000 donation from Mrs. Russell Sullivan of Fredericksburg in memory of her husband, who died of dementia. Sullivan awards are indicated by an asterisk (*).

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