

Liana G. Apostolova, M.D., M.Sc., FAAN
Distinguished Professor in Neurology
Barbara and Peer Baekgaard Chair in Alzheimer's Disease Research
Professor of Radiology and Medical and Molecular Genetics
Indiana University School of Medicine
Indiana Alzheimer's Disease Center
355 W 16th Street, Suite 4019
Indianapolis, IN 46202
Phone: 317-963-7173
Fax: 317-963-7533
E-mail: lapostol@iu.edu

Academic Appointments

7/2005 – 6/2011	Assistant Clinical Professor in Neurology, Department of Neurology, University of California Los Angeles
11/2007 – 5/2012	Assistant Director, Neuroimaging and Biomarkers Core, Mary S. Easton Center for Alzheimer's Disease Research, University of California Los Angeles
2010 - present	Founding Director, UCLA-Easton Alzheimer's Center Neuroimaging Laboratory, Mary S. Easton Center for Alzheimer's Disease Research, University of California Los Angeles
2011 – 6/2015	Clinical Core Co-Leader, Mary S. Easton Center for Alzheimer's Disease Research, University of California Los Angeles
7/2011 – 7/2012	Associate Clinical Professor in Neurology, Department of Neurology, University of California Los Angeles
6/2012 – 6/2015	Neuroimaging and Biomarkers Core Leader, Mary S. Easton Center for Alzheimer's Disease Research, University of California Los Angeles
7/2012 –6/2015	Associate Professor-In-Residence, Department of Neurology, University of California Los Angeles
4/2013 – 6/2015	Director of Donor Relations for the Alzheimer's Disease Program at UCLA
7/2015- 6/2017	Health Sciences Associate Professor of Neurology, University of California Los Angeles
6/2015- present	Professor of Neurology, Radiology, Medical and Molecular Genetics, Indiana University
9/2015- present	Barbara and Peer Baekgaard Chair in Alzheimer's Disease Research
2/2021-present	Distinguished Professor, Indiana University

Education and Training

9/1992 – 11/1998	<i>Summa cum Laude</i> , Medical University, Sofia, Bulgaria,
------------------	---

- 7/1999 – 6/2000 Preliminary year, Ravenswood Hospital, Chicago, Illinois
- 7/2000 – 6/2003 Neurology Residency Program, University of Iowa Hospitals and Clinics, Iowa City, Iowa
- 7/2003 – 6/2005 Tichi Wilkerson-Kassel Dementia Fellow, Department of Neurology, University of California Los Angeles
- 2004 Graduate Summer School: Mathematics in Brain Imaging, Institute for Pure and Applied Mathematics, University of California Los Angeles
- 2006 – 2010 Masters of Science in Clinical Research, University of California Los Angeles

Honors and Awards

- 1994 –1995 Honorary Assistant Instructor for medical students in gross anatomy based on academic excellence merits
- 1992 – 1998 Honors earned in all clinical and pre-clinical clerkships and rotations
- 1992 – 1998 Full Tuition National Scholarship
- 1992 – 1998 National Merit Scholarship
- 1993 – 1998 Chilov’s Annual Scholarship
- 1998 Hippocrate’s Award (*Summa cum Laude*), Medical University, Sofia, Bulgaria
- 2003 AAN Physician Recognition Award
- 2005 Diplomate, American Board of Psychiatry and Neurology
- 2003-2005 Tichi Wilkerson-Kassel Dementia Fellow
- 2005-2006 Tichi Wilkerson-Kassel Dementia Scholar
- 2005 NIA K23 Paul Beeson Career Development Award in Aging (2005-2010)
- 2007 Turken Research Award jointly sponsored by the Sam and Ida Turken Charitable Foundation, California Southland Chapter of the Alzheimer’s Association and the UCLA Alzheimer’s Disease Research Center
- 2007 Nominated for the Plott Chair in Gerontology by Jeffrey L. Cummings, MD
- 2008 Alzheimer’s Disease Summit Recognition Award
- 2009 Member, Alzheimer’s Association State Planning Meeting
- 2009 Travel Award, 12th International Conference on Alzheimer’s Disease, Vienna, Austria
- 2009 Seed Grant Award recipient

- 2010 Guest editor, Alzheimer's Disease and MCI: Benefits of Early Diagnosis and Treatment, CME-Newsletter
- 2010 NINDS Advisory panel member - Biomarkers for Lewy Body Disease: Pathway to Discovery and Validation
- 2010 AAN Research Award in Geriatric Neurology
- 2010 AFAR-GE Healthcare Junior Investigator Award for Excellence in Imaging and Aging Research
- 2010 Best Mentor Award, Medical Students Training in Aging Research Program
- 2011- 2015 Hippocampal Harmonization Protocol – Delphi Panelist and Master Tracer
- 2011 David Geffen School of Medicine at UCLA Finalist for the AAMC Mid-Career Women Faculty Professional Seminar bestowed upon a single female School of Medicine faculty member each year
- 2012 Selected as one of only three AD imaging experts for an Evidence-Based Medicine Expert Debate Webcast on the role of neuroimaging in the diagnosis of Alzheimer's disease
- 2012 Invited as one of only four Imaging Expert Discussants of the major biomarker findings from the 2012 AAIC meeting for a MedScape webcast feature at the 2012 AAIC meeting in Vancouver, CA
- 2012- 2017 NIH NIA-N study section, permanent member
- 2012 Member, UCLA Alzheimer's Program Director Search Committee
- 2012-2013 Beeson Outreach Fund Travel Scholar, Indiana University ADRC and Imaging Genetics Laboratory
- 2012-2014 Eli Lilly Speakers Bureau – Amyvid™ Rater Trainer
- 2012-2015 Elected faculty, UCLA Interdepartmental Ph.D. Program for Neuroscience
- 2013 Dorothy Dillon Eweson Lecturer on the Advances in Aging Research for 2013 AHA International Stroke Conference Presentation entitled "Molecular Neuroimaging in Dementia Research: Current Status"
- 2013 – 2017 External Advisory Board Member, P41 Resource for Quantitative Functional MRI. Kennedy Krieger Institute, Johns Hopkins University, Baltimore, MD
- 2014 Education Chair, Neuroimaging Professional Interest Area, Alzheimer's Association
- 2014 Chair, Featured Research Symposium "Update of Tau PET Imaging", 2014 Alzheimer's Association International conference, Copenhagen, Denmark
- 2014 Invited plenary speaker, 2014 International Psychogeriatric Association meeting, Beijing, China
- 2014-present Section Editor, Translational Neurodegeneration

2014-2016 Senior Associate Editor, *Alzheimer's & Dementia: Diagnosis, Assessment and Disease Monitoring*

2014-2015 Vice Chair, Neuroimaging Professional Interest Area, Alzheimer's Association

2015 Fellow of the American Academy of Neurology

2015-2016 Chair, Neuroimaging Professional Interest Area, Alzheimer's Association

2015-2019 Member, American Academy of Neurology Topic Work Group

2015-present, Member, Med-Sci Council Alzheimer's Association Greater Indiana Chapter

2015-2019 Member, American Academy of Neurology Neuroscience Research Prize Working Group

2015-2019 Member, Paul Beeson Program Advisory Committee

2016 – present Faculty member, Paul & Carole Stark Neurosciences Research Institute

2016-present – Program Director, Behavioral Neurology and Neuropsychiatry Fellowship Program, Indiana University

2016 – 2021 Alzheimer Association Scientific Program Committee

2016 - 2021 Editor, *Alzheimer's & Dementia: Diagnosis, Assessment and Disease Monitoring*

2017- present National IRB Project for Neurodegenerative Diseases, Scientific Review Committee member

2018- present Indiana University Network Sciences Institute External Advisory Board Member

2019 - 2020 NIA Central Biorepository Scientific Review Committee Chair

2019 – de Leon Prize in Neuroimaging, Senior Scientist Category

2019 Mayo Clinic Rochester Visiting Professor in Neurology

2020 Impact AD Fellowship Track Trainee

2021 National Research Mentoring Network (NRMN) Level 1 Mentor Training, IU, Indianapolis

2021- Editor-In-Chief, *Alzheimer's & Dementia: Diagnosis, Assessment and Disease Monitoring*

Licensure and Certification:

State of California Medical License, A82657, 4/2003 – 1/2019

State of Indiana Medical License, 01076007A, 11/2015 - present

American Board of Psychiatry and Neurology, Diplomate ABPN 52963 – 12/31/2015 - present

United Council for Neurological subspecialties, Behavioral Neurology and Neuropsychiatry
Delegate, BNNP4172, 11/30/2016 - present

Professional Membership

American Academy of Neurology, Fellow
American Academy of Neurology-Section of Geriatric Neurology
Alzheimer's Association International Society to Advance Alzheimer's Research and Treatment
Organization of Human Brain Mapping
Brain Research Institute
Alzheimer's Association Advocate Network
International Society to Advance Alzheimer's Research and Treatment (ISTAART)
ISTAART Neuroimaging Professional Interest Area (NIPIA)
ISTAART Alliance of Women Alzheimer's Researchers (AWARE)
ISTAART Atypical Alzheimer's Disease Interest Area

Peer Review Activities:

Editorial Services:

Editor, Alzheimer's & Dementia: Diagnosis, Assessment and Disease Monitoring
Editor, Translational Neurodegeneration

Manuscript Reviewer:

Alzheimer's Disease and Associated Dementias
Alzheimer's and Dementia
Alzheimer's & Dementia: Diagnosis, Assessment & Disease Monitoring
Aging Health
Annals of Neurology
American Journal of Geriatric Psychiatry
Archives of Neurology
Brain
Cerebellum
Cerebral Cortex
Clinical Neurology and Neurosurgery
Future Medicine
Journal of Neurological Sciences
Journal of Alzheimer's Disease
Hippocampus
Human Brain Mapping
International Journal of Geriatric Psychiatry
Magnetic Resonance in Medicine
Movement Disorders
Nature
Nature Reviews Neurology
Neurobiology of Aging
Neurobiology of Disease
Neuroimage
Neurology
PLOS Genetics
PLOS Online
Science

Abstract Reviewer:

OHBM meeting 2006 – 2012
AAN 2009 – present
International Conference of Alzheimer’s Disease and Related Disorders – 2010-2012
Alzheimer Association International Conference – 2012-present
ICAD/AAIC Alzheimer Imaging Consortium 2010-present

Grant Application Reviews, Study Sections, Advisory Panels:

NIH grant reviewer for 4 study sections and 17 Special Emphasis Panels between September 2006 and June 2012

Alzheimer’s Association Grant Review Committee – 2008-present

Alzheimer’s Disease Research Fund, Panel C grant reviewer – August 24, 2007

AFAR National Scientific Advisory Council and grant reviewer– 2007-present

UCLA ADRC Pilot Grant Program grant reviewer – 2008-2014

60th AAN meeting – poster session auditor – 6PS.006 “Aging and Dementia: Imaging IV”

UCLA CTSI KL2 Translational Science Award Reviewer – 2013-2015

Study Section Member, NIA ETTN-E (55)R, March 17, 2016

NIH NIA-N study section, chartered member, 2012- 2017

Chair, ZAG1 ZIJ-1 (J2), U54 review, December 3, 2015

Chair, ZAG1 ZIJ-1 (J3), Drug Development in Alzheimer’s Disease - U01 projects, November 2015

Chair, ZAG1 ZIJ-1 (M2), DIAN Prevention Trial, February 1, 2016

Chair, ZAG1 ZIJ-1 (M1), Alzheimer’s Centers Supplements, February 1, 2016

Chair, ZAG1 ZIJ-1 (O1), Alzheimer’s Centers Supplements, 7/19/16

Chair, ZAG-ZIJ-5, ADC supplements July 19, 2017

Chair, ZAG1 ZIJ-G (O3), Aging and Dementia, P01 review, 5/8/18 and 7/20/18

Chair, ZAG1 ZIJ-8 (J2), Frontotemporal Dementia and Aging, 9/4/19 and 12/4/2019

Chair, ZAG1 ZIJ-G (M2), Exploratory AD Research Centers, 1/31/2020

Study Section Member, CNN, 2/11/2020

Study Section Member, 05 ZRG1 BCMB-A (50) R, NIH Director’s Transformative Research Awards, 4/7/20

Study Section Member, ZRG1 BST-J (70) R, NIH Director’s Transformative Research Awards, 4/7/21

Study Section Member, CNN, 2/25/2021

National/International Committee Service:

AFAR National Scientific Advisory Council, 2007-2010

Alzheimer's Association Physician Advocate, 2007-present

Planning Committee for the 2007 Beeson Annual Meeting, Terrytown, New York, June 21-24, 2007.

NINDS Advisory panel "Biomarkers for Lewy Body Disease, Pathway to Discovery and Validation" June 25-27 2010, Washington, D.C.

Judges panel for the AD Neuroimaging Awards with the Alzheimer's Association 2009, 2012-2013

Councilor, Geriatric Neurology Section at the American Academy of Neurology – 2013-2016

Alzheimer's Disease Neuroimaging Initiative (ADNI) Transcriptomic Working Group – 2013 – present

Steering Committee Member, Neuroimaging Professional Interest Area of the Alzheimer's Association International Society to Advance Alzheimer's Research and Treatment – 2013 – present

Education/Communications Chair for the Neuroimaging Professional Interest Area of the Alzheimer's Association International Society to Advance Alzheimer's Research and Treatment – 2013 – 2014

Vice Chair for the Neuroimaging Professional Interest Area of the Alzheimer's Association International Society to Advance Alzheimer's Research and Treatment – 2014 – 2015

Chair for the Neuroimaging Professional Interest Area of the Alzheimer's Association International Society to Advance Alzheimer's Research and Treatment – 2015 – 2016

Paul Beeson Career Development Award in Aging Research Program Advisory Committee member – 2015-2019

Alzheimer Association AAIC Science Program Committee, 2016-2021

Local Committee Service:

Easton Center Executive Committee, 2005-2015

Residency Training Committee, Department of Neurology, UCLA 2005-2007, 2011-2015

Easton Center Clinical Research Committee, 2007-2015

Graduate Education Committee, Department of Neurology, UCLA 2009-2013

Resident Review Board Committee, Department of Neurology, UCLA 2009-2013

Competitive Awards and Bridge Funds Review Committee, Department of Neurology, UCLA 2009-2010

Ahmason-Lovelace Brain Mapping Center Scientific Project Reviewer, 2009-2015

Turken Award Review Committee – 2009-2013

Chair, Easton Center Biospecimen Resource Committee – 2010-2015

Research Administration Quality Improvement Initiative Committee, Department of Neurology, UCLA 2010

UCLA ADRC Director Search Committee, Department of Neurology, UCLA - 2010-2013

Appointments and Promotions Committee, Department of Neurology, UCLA - 2012-2015

Resident Selection Committee, Department of Neurology, UCLA - 2012-2015

Admissions Committee for the UCLA Neuroscience PhD Program – 2013-2014

Medical and Scientific Advisory Council Member for the Alzheimer’s Association, California Southland Chapter – 2014-2015

Medical and Scientific Council Member for the Alzheimer’s Association Greater Indiana Chapter, 2015-present

IUPUI Department of Neurology Appointment and Promotion Committee – 2015-present

IUPUI MedNeuro Training and Advisory Committee – 2017-present

IUSOM Precision Health Initiative Steering Committee Member – 2016-current

Research Funding:

NIH/NIA U01 AG057195, 9/30/2018-5/31/2023

Title: Early Onset Alzheimer’s Disease Consortium- the LEAD study

This project is the continuation of R56 AG057195. The goal of the study is to recruit and follow 400 people with EOAD across 13 clinical sites in the U.S. and collect detailed cognitive, clinical, imaging (MRI, amyloid and tau PET) and fluid biomarker (DNA, RNA, plasma, serum, PBMC, CSF) in order to better understand EOAD pathophysiology and design new treatment trials for this segment of the AD population.

Role: Principal Investigator

Alzheimer Association, LEADS GENETICS-19-639372, 6/01/2019-5/31/2022

Title: The Role of Copy Number Variants and Epigenetic Dysregulation in Early Onset Alzheimer’s Disease.

This proposal will leverage the LEADS cohort and expand the scope of genetic analyses to better inform our understanding of the genetics of EOAD.

Role: Principal Investigator

Roche Diagnostics, RD005665, 08/28/2020-05/31/2024

Title: Longitudinal Early-onset AD Study (LEADS) – CSF substudy

This proposal will expand the scope of the LEADS CSF analyses in order to better understand EOAD pathophysiology and design new treatment trials for this segment of the AD population.

Role: Principal Investigator

2020 ELI LILLY-STARK NEUROSCIENCES PREDOCTORAL RESEARCH FELLOWSHIP IN NEURODEGENERATION, 01/01/2020 – 12/31/2021

Title: A Novel approach to biomarker development in Alzheimer's Disease using blood-based genetic data and network analysis

This proposal combines the predictive power of multiple high throughput markers like imaging, gene-expression, clinical etc. to build a predictive classification system for AD and potentially identify driver genetic factors and overrepresented systems in early stages of disease.

Role: Mentor

NIH/NIA R01 AG057739, 09/01/2018-08/31/2023

Leveraging Neuroimaging Biomarkers to Understand the Role of Social Networks in Alzheimer's Disease

The proposed research examines social and biological mechanisms underlying relationships between personal social networks and patterns of neurodegeneration in preclinical and early stages of AD using neuroimaging biomarkers.

Role: Co-Principal Investigator (Lead PI Perry)

NIH/NIA R01 AG054546, 04/01/2018-03/31/2023

Multi-center development of a novel diagnostic test for Alzheimer's disease

This application proposes research to conduct a multisite validation of a 'challenge' blood test for amyloidosis consisting of a single peripheral injection of pramlintide followed by measurement of plasma amyloid for successive blood draw to understand the association between pramlintide-provoked plasma amyloid and established amyloid markers.

Role: Co-Investigator (PIs Qui, Farlow)

NIH/NIA P30 AG072976, 9/1/2021-6/30/2026

Title: Indiana Alzheimer Disease Research Center

The major goal of this project is to support, carry out and facilitate research on Alzheimer disease and other neurodegenerative dementias as well as serving as a shared research resource.

Roles: Clinical Core Leader, Research Education Component Co-Leader (PI Saykin)

NIH/NIA R42 AG069629, 07/01/2020 - 06/30/2023

The Assessment of Smartphone Everyday Tasks (ASSET): a new IADL test for early AD

The goal of this project is to complete the development of, optimize, and validate a novel performance-based instrumental activities of daily living (IADL) smartphone instrument to assess healthcare-related daily activities.

Role: Site Principal Investigator (PIs Tatar/Marshall)

NIH/NIA R01 NR018162, 06/05/2020 – 03/31/2024

Title: Promoting Reengagement in Meaningful Activity intervention for adults with mild cognitive impairment and their caregivers

The goal of this proposal this randomized controlled trial is to determine efficacy, of daily engagement in meaningful activity (DEMA) compared to an information support attention control group.

Role: Co-Investigator (PI Lu)

NIH/ NIA R61 AG066543, 9/15/2019-8/31/2024

Title: Alzheimer's Clinical Trial Consortium – Down Syndrome Network (ACTC-DSN)

This application seeks to utilize the existing expertise and experience of the Alzheimer's Clinical Trial Consortium (ACTC), Alzheimer's Biomarker Consortium for Down Syndrome

(ABC-DS) and Horzion21 to establish a Trial Ready Cohort to conduct AD therapeutic trials in adults with DS

Role: Co-Investigator (PI Rafii)

NIH/NIA R01AG070931, 09/30/2020 – 05/31/2025

Understanding how social connectedness protects older adults' cognitive health: the role of social cognition

Role: Co-Investigator (PIs Krendl/Perry)

NIH/NIA U01AG068057, 09/15/2020 – 08/31/2025

Ultrascale Machine Learning to Empower Discovery in Alzheimers Disease Biobanks

Role: Co-Investigator (MPIs Thompson, Davatzikos, Huang, Saykin, Shen)

NIH/NIEHS R01ES031401, 06/01/2020 – 10/31/2024

Manganese exposure susceptibility as a modifier of excitotoxicity in Alzheimer's Disease

Role: Site Principal Investigator (PI Brown)

American Heart Association, 19 CDA3452006, 04/01/2019-03/31/2022

Title: A Virtual Reality Intervention to Improve Attention in Heart Failure Patients

The purpose of this study is to test preliminary efficacy of a newly developed virtual reality-based nature intervention (Nature-VR) on attention, heart failure self-care, and health-related quality of life using a 2-group randomized controlled design.

Role: Mentor (PI Jung)

NIH/NIA R01 AG061788, 2/15/2019 – 11/30/2023

Title: Multi-Domain Sensory Measures as Biomarkers of Alzheimer's Disease in Preclinical and Prodromal Stages

Our central hypothesis is that early changes in sensory function in preclinical and prodromal AD indicate the presence of AD-related neuropathology in the brain and reflect the initial stages of AD-associated cognitive decline.

Role: Co-Investigator (PI Risacher)

NIH/NIA K23AG059914, 7/1/2019-6/30/2024

Title: Mobile Assessment of Behavioral and Psychological Symptoms of Dementia (BPSD) in Adults with AD

The goal of the proposed RCT is to develop a more accurate and clinically relevant approach to BPSD measurement through delivery of the neuropsychiatric inventory - questionnaire via a mobile ecological momentary assessment format.

Role: Mentor (PI Bateman)

NIH/NIA K23 AG062555, 8/1/2019-6/30/2024

Title: The Role of Intensive Care Unit (ICU) Delirium and Vascular Risk Factors in the Development of Post-ICU Cognitive Impairment and Dementia

The proposed research project will examine the role of ICU delirium, pre-ICU cardiovascular risk factors and depression, and post-ICU depression in the development of post-ICU cognitive impairment and ADRD.

Role: Mentor (PI Wang)

NIH/NIA U01 AG024904, 9/1/2016-8/31/2021

Title: Alzheimer's Disease Neuroimaging Initiative Execution Phase

The goal of this project is to develop improved methods leading to uniform standards for acquiring longitudinal, multi-site MRI and PET data of patients with AD, MCI, and normal controls.

Role: Co-Investigator, Genetics Core (PI Weiner)

NIH/NIA R01 AG019771, 6/1/2012-5/31/2022

Title: Memory Circuitry in MCI and Early Alzheimer's Disease Prodrome: Molecular Drivers
The ultimate impact of this research is to facilitate the development of effective precision medicine for AD.

Role: Co-Investigator (PI Saykin)

Completed:

NIH/NIA P30 AG010133, 7/1/2016-6/30/2021

Title: Indiana Alzheimer Disease Center

The major goal of this project is to support, carry out and facilitate research on Alzheimer disease and other neurodegenerative dementias as well as serving as a shared research resource.

Roles: Clinical Core Leader, Research Education Component Co-Leader (PI Saykin)

NIH/NIA R56 AG057195, 9/15/2017-8/31/2018

Title: Early Onset Alzheimer's Disease Consortium

The goal of this project is to recruit and follow 400 people with EOAD across 13 clinical sites in the U.S. and collect detailed cognitive, clinical, imaging (MRI, amyloid and tau PET) and fluid biomarker (DNA, RNA, plasma, serum, PBMC, CSF) in order to better understand EOAD pathophysiology and design new treatment trials for this segment of the AD population.

Role: Principal Investigator

NIH/NIA F32 AG062157, 09/12/18-11/15/19

Title: Testing the Dysconnection Hypothesis: Novel Connectomic Approaches for Detection and Progression of Alzheimer's Disease

This study is developing connectivity biomarkers to assess the progression of AD and to develop connectivity-based biomarkers for early detection of AD.

Role: Primary Mentor/Sponsor (PI Svaldi)

NIH/NIA K01 AG049050, 8/15/2015 – 4/30/2020

Title: Sensory and perceptual measures as biomarkers of Alzheimer's disease pathology

Role: Research mentor (PI Risacher)

NIH/NIA R21 AG051932, 05/15/2016- 04/31/2019

Title: Angiogenesis and Alzheimer's Disease

This proposal seeks support for an exploratory and developmental research project. Microvascular disease and chronic cerebral hypoperfusion may play a larger role in the cause of Alzheimer disease (AD) than previously understood. Angiogenesis triggered by cerebral hypoperfusion may play an initial moderating and inciting role in the development of AD.

Role: Co-Investigator (PI Calahan)

NIH/NIA R01 AG040770, 4/1/2012-3/31/2019

Title: Imaging and genetic biomarkers for Alzheimer's disease

The goal of this project is to develop a multimodal biomarker AD risk assessment tool using the prospectively collected imaging, genetic and gene expression ImaGene data set.

Role: Principal Investigator

NIH/NIA K02 AG048240, 9/1/2014-4/30/2019

Title: Imaging Epigenetics of Alzheimer's Disease

The goal of this project is to integrate epigenetics with the genomic, transcriptomic, clinical and imaging data from the parent R01 in order to elucidate the epigenetic effects on gene expression, brain atrophy, brain amyloidosis and disease risk.

Role: Principal Investigator

NIH/NIA K23 AG051416, 6/15/2015-6/14/2018

Title: Pharmacogenetics of donepezil in mild cognitively impaired patients

The goal of this project is to conduct pharmacogenomics analyses on the effectiveness of donepezil and other anticholinesterase inhibitors in three large datasets – ImaGene, ADNI and the ADCS MCI donepezil/vitamin E trial.

Role: Research mentor (PI Sokolow)

NIH/NIGMS SC3 GM094051, 7/1/2014-6/30/2018

Title: Daily Functioning, Cognition, and Caregiver Burden in MCI patients

The goal of the study is to characterize daily functioning and cognition in MCI individuals, 2) to characterize how cognitive and functional impairments affect caregivers of MCI individuals, and 3) to assess whether the rate of cognitive decline predicts the rate of functional decline and brain atrophy in MCI individuals.

Role: Research Mentor (PI Razani)

NIH/NIA P30 AG010133, 7/1/2011-6/30/2016

Title: Indiana Alzheimer Disease Center

The major goal of this project is to support, carry out and facilitate research on Alzheimer disease and other neurodegenerative dementias as well as serving as a shared research resource.

Roles: Clinical Core Associate Core Leader, Research Education Component Co-Leader

Easton Consortium for Alzheimer's Drug Discovery and Biomarker Development

Project 5: Imaging and Genetic Biomarkers in Alzheimer's Disease, 2008-2017

Role: Principal Investigator Project 5

GE collaborative project, 2014-2015

Title: ImaGene Flutemetamol Study

The goal of this project is to acquire Flutemetamol imaging on all Imaging and genetic biomarkers for Alzheimer's disease study participants and to investigate the ability of imaging and genetic biomarkers for predicting brain amyloidosis.

Role: Principal Investigator

NIH/NIA P50 AG 16570 Pilot Project, 2014-2015

Title: Comparative Imaging Transcriptomics in AD and PD

Role: Pilot Project Principal Investigator

NIH/NIA P50 AG 16570, 2010-2015

Title: UCLA Alzheimer's Disease Research Center

Role: Neuroimaging and Biomarkers Core Leader and Clinical Core Co-Leader (PI: Teplow, D)

NIH/NIA P50 AG 16570 Project 1, 2010-2015

Project 1 title: Automated Hippocampal Segmentation and 3D Hippocampal Analyses for Epidemiological Longitudinal and Clinical Trial analyses in MCI and AD

Role: Principal Investigator Project 1

NIH/NIA U01 AG02490, 2005-2016

Alzheimer's Disease Neuroimaging Initiative Execution Phase

The goal of this project is to develop improved methods leading to uniform standards for acquiring longitudinal, multi-site MRI and PET data of AD, MCI, and normal control subjects.

Role: Site PI (U01 PI Weiner)

Alzheimer Association grant #174022

Title: Standardized Protocol for Hippocampal Segmentation: an EADC-ADNI effort

The goal of this project is to design a standard protocol for hippocampal segmentation
Role: Collaborator (PI Frisoni)

NIH/NIA R01 AG040770 Diversity Supplement, 2012-2013

Title: Diversity Supplement to R01 AG40770

The goal of this project is to scientifically mentor diversity scholar.

Role: Research Mentor (Scholar: Ramirez)

NIH/NIA RC2 AG036535, 2009-2011

Title: Amyloid Imaging, VMCI and analysis for ADNI

The goal of this project is to develop improved methods leading to uniform standards for acquiring longitudinal, multi-site MRI and PET data of patients with AD, MCI, and normal controls.

Role: Site PI (U01 PI Weiner)

NIH/NLM, R01 LM005639, 2007-2012

Title: A Multidimensional Alzheimer Disease Brain Atlas

Role: Co-investigator (PI: Thompson)

NIH/NIA K23 AG 026803, 2005-2010 (NCTE 6/1/2010-5/31/2012)

Paul Beeson Career Development Award in Aging

Title: Structural MRI outcome predictors in mild cognitive impairment

Role: Principal Investigator

Lincy Foundation Grant "Towards Earlier Biomarker Diagnosis of Alzheimer's Disease", 2009-10

Project 1: Imaging and Proteomic Measures as a Biomarker for AD

Role: Principal Investigator

Lincy Foundation Grant "Towards Earlier Biomarker Diagnosis of Alzheimer's Disease", 2009-10

Project 2: Post-mortem Confirmation of Biomarkers for AD, 2009-2013

Role: Co-Investigator

Seed Grant Award, 2009-2010

Department of Neurology, UCLA

Imaging, Genetic and Proteomic Biomarkers in Parkinson's Disease

Role: Principal Investigator

Translational Research Fund, 2009-2010

Department of Pathology, UCLA

Ex-vivo pathologic validation of 7T MRI imaging in Alzheimer's disease: a novel morphometric study using digital pathology

Role: Mentor (PI: Honarpisheh)

NIH/NIA P50 AG 16570, 2004-2009

Title: Alzheimer's Disease Research Center

Role: Co-Investigator (PI: Cummings)

NIA/NACC Junior Investigator Projects, 2005-2006

Title: Behavioral Reserve in MCI and AD

Role: Principal Investigator

Direct cost: \$25,000

Tichi Wilkerson-Kassel Dementia Scholar, 2003-2006

Amount: \$25,000 annually

Turken Endowment Award, 2007
Direct cost: \$18,000

Publications

Peer-Reviewed Original Articles:

- 1) **Apostolova LG**, Dutton RA, Dinov ID, Toga AW, Cummings JL, Thompson PM. Conversion of mild cognitive impairment to Alzheimer disease predicted by hippocampal atrophy maps. *Archives of Neurology*, 2006, 63: 693-699. *Featured on 11 internet media sites.*
- 2) **Apostolova LG**, Dinov ID, Dutton RA, Hayashi KH, Toga AW, Cummings JL, Thompson PM. 3D comparison of hippocampal atrophy in amnesic mild cognitive impairment and Alzheimer's disease. *Brain*, 2006, 129: 2867-2873. *Featured on 10 internet media sites.*
- 3) **Apostolova LG**, Lu PH, Rogers SA, Dutton RA, Hayashi KH, Toga AW, Cummings JL, Thompson PM. 3D mapping of Mini-mental State Examination performance in clinical and pre-clinical Alzheimer's disease. *Alzheimer Disease and Associated Disorders*, 2006, 20 (4): 224-231.
- 4) **Apostolova LG**, Steiner CA, Akopyan GG, Dutton RA, Hayashi KM, Toga AW, Cummings JL, Thompson PM. 3D gray matter atrophy mapping in mild cognitive impairment and mild Alzheimer's disease. *Arch Neurol*, 2007, 64 (10): 1489-1495. *Featured on KRLA "A Touch of Grey", Reuters as well as 15 other internet media sites.* PMC3197839
- 5) Ringman J, O'Neill J, Geschwind D, Medina L, **Apostolova LG**, Rodriguez Y, Medina L, Rodriguez Y, Schaffer B, Varpetian A, Tseng B, Ortiz F, Fitten J, Cummings JL, Bartzokis G. Diffusion tensor imaging in preclinical and presymptomatic carriers of familial Alzheimer's disease mutations. *Brain*, 2007, 130: 1767-1776.
- 6) **Apostolova LG**, Akopyan GG, Partiali N, Steiner CA, Dutton RA, Hayashi KM, Dinov ID, Toga AW, Cummings JL, Thompson PM. Structural correlates of apathy in Alzheimer's disease. *Dementia and Geriatric Cognitive Disorders*, 2007, 24: 91-97. *Featured on one internet media site.*
- 7) **Apostolova LG**, Lu PH, Rogers SA, Dutton RA, Hayashi KM, Toga AW, Cummings JL, Thompson PM. 3D mapping of language networks in clinical and pre-clinical Alzheimer's disease. *Brain and Language*, 2008, 104(1): 33-41. PMC2211373
- 8) Morra JH, Tu Z, **Apostolova LG**, Green AE, Avedissian C, Madsen SK, Parikshak N, Hua X, Toga AW, Jack CR, Schuff N, Weiner MW, Thompson PM. Mapping hippocampal degeneration in 400 subjects with a novel automated segmentation approach. 5th IEEE International Symposium on Biomedical Imaging: From Nano to Macro, 2008. ISBI, Paris 2008: 336-339. PMC2805054
- 9) **Apostolova LG**, Cummings JL. Neuropsychiatric manifestations in mild cognitive impairment: a systematic review of the literature. *Dementia Geriatr Cog Disord* 2008, 25(2): 115-126.
- 10) Morra JH, Tu Z, **Apostolova LG**, Green AE, Toga AW, Thompson PM. Automatic Subcortical Segmentation Using a Contextual Model. *Med Image Comput Comput Assist Interv Int Conf* 2008, 11 (Pt 1); 194-201.
- 11) Morra JH, Tu Z, **Apostolova LG**, Green AE, Avedissian C, Madsen SK, Parikshak N, Hua X, Toga AW, Jack CR, Schuff N, Weiner MW, Thompson PM and the ADNI. Validation of a fully

automated 3D hippocampal segmentation method using subjects with Alzheimer's disease, mild cognitive impairment and elderly controls. *NeuroImage*, 2008, 43 (1): 59-68. PMC2624575

- 12) Morra JH, Tu Z, **Apostolova LG**, Green AE, Avedissian C, Madsen SK, Parikshak N, Toga AW, Jack CR, Schuff N, Weiner MW, Thompson PM. Automated mapping of hippocampal atrophy in 1-year Repeat MRI Data in 490 subjects with Alzheimer's disease, mild cognitive impairment and elderly controls. *Neuroimage, Special Issue on Mathematics in Brain Imaging*, 2009, 45 (1 Suppl): S3-15. PMC2733354
- 13) Morra JH, Tu Z, **Apostolova LG**, Green AE, Madsen SK, Parikshak N, Hua X, Toga AW, Jack CR, Schuff N, Weiner MW, Thompson PM. Automated 3D mapping of hippocampal atrophy and its clinical correlates in 400 subjects with Alzheimer's disease, mild cognitive impairment and elderly controls. *Human Brain Mapping*, 2009, 30(9):2766-88. PMID: PMC2733926
- 14) **Apostolova LG**, Mosconi L, Thompson PM, Green AE, Hwang KS, Mistur R, Tsui WH, de Leon MJ. Subregional hippocampal atrophy predicts future decline to Alzheimer's dementia in cognitively normal subjects. *Neurobiology of Aging* 2010, 31 (7): 1077-1088. PMC2873083. *Featured on one internet media site.*
- 15) **Apostolova LG**, Thompson PM, Rogers SA, Dinov ID, Zoumalan C, Steiner CA, Siu E, Green AE, Small GW, Toga AW, Cummings JL, Phelps ME, Silverman DHS. Surface feature-guided mapping of cerebral metabolic changes in cognitively normal and mildly impaired elderly. *Molecular Imaging and Biology* 2010, 12 (2): 218-24. PMC2844536
- 16) Morra JH, Tu Z, **Apostolova LG**, Green AE, Toga AW, Thompson PM. Comparison of AdaBoost and Support Vector Machines for detecting Alzheimer's disease through automated hippocampal segmentation. *IEEE Transactions on Medical Imaging* 2010, 29 (1): 30-43. PMC2805054
- 17) **Apostolova LG**, Thompson PM, Green, AE, Hwang KS, Zoumalan C, Jack, CR, Harvey D, Petersen RC, Thal LJ, Aisen RS, Toga AW, Cummings JL, DeCarli C. 3D comparison of low, intermediate and advanced hippocampal atrophy in MCI, *HBM* 2010, 31 (5): 786-97. PMC2938765. *Featured on 4 TV stations as well as 14 internet media sites.*
- 18) **Apostolova LG**, Beyer MK, Green AE, Hwang KS, Morra JH, Chou Y, Avedissian C, Aarsland D, Janvin CC, Larsen JP, Cummings JL, Thompson PM. Hippocampal, caudate and ventricular changes in Parkinson's disease with and without dementia, *Mov Dis* 2010, 25(6):687-695. PMC3068920. *Featured on one internet media site.*
- 19) **Apostolova LG**, Morra JH, Green AE, Hwang K, Avedissian C, Woo E, Cummings JL, Toga AW, Jack CR, Weiner MW, Thompson PM. Automated 3D mapping of baseline and 12-month associations between three verbal memory measures and hippocampal atrophy in ADNI subjects. *Neuroimage* 2010; 51 (1): 488-99. PMC2847034
- 20) **Apostolova LG** (guest editor). Alzheimer's Disease and MCI: Benefits of Early Diagnosis and Treatment. A CME-Newsletter. 2010 www.adcme.com
- 21) **Apostolova LG**, Hwang KS, Andrawis JP, Green AE, Babakchanian S, Morra JH, Cummings JL, Toga AW, Trojanowski JQ, Shaw LM, Jack CRJ, Koeppe RA, Mathis CA, Weiner MW, Thompson PM. 3D PIB and CSF biomarker associations with hippocampal atrophy in ADNI subjects. *Neurobiol Aging, ADNI special issue*, 2010, 31: 1284-303. PMC3051831

- 22) Ringman JM, Medina L, Gylys KH, Fox M, Kepe V, Flores D, Barrio J, Small GW, Siu E, Cederbaum S, Bird T, **Apostolova LG**, Hecimovic S, Malnar M, Chakraverty S, Goate AM, Leverenz JB. Biochemical, neuropathological and neuroimaging characteristics of early-onset Alzheimer's disease due to a novel PSEN1 mutation. *Neuroscience Letters*, 2011, 487:287-292; PMC3034479
- 23) **Apostolova LG**, Hwang KS, Medina LD, Green AE, Braskie MN, Dutton RA, Lai J, Geschwind DH, Cummings JL, Thompson PM, Ringman JM. Cortical and hippocampal atrophy in patients with autosomal dominant familial Alzheimer's disease. *Dementia and Geriatric Cognitive Disorders*, 2011; 32: 118-125. PMC3222115
- 24) Ringman JM, Gylys KH, Medina LD, Fox M, Kepe V, Flores DL, **Apostolova LG**, Barrio JR, Small G, Silverman DH, Siu E, Cederbaum S, Hecimovic S, Malnar M, Chakraverty S, Goate AM, Bird TD, Leverenz JB. Biochemical, neuropathological, and neuroimaging characteristics of early-onset Alzheimer's disease due to a novel PSEN1 mutation. *Neurosci Lett*. 2011;487(3):287-92. Erratum in: *Neurosci Lett*. 2011;491(2):163. PMC3034479
- 25) Andrawis J, Hwang KS, Green AE, Kotlerman J, Elashoff D, Morra JH, Cummings JL, Toga AW, Thompson PM, **Apostolova LG**. Effects of maternal history of Alzheimer's disease on hippocampal atrophy. *Neurobiol Aging*, 2012, 33; 856-866;_PMC3010297
- 26) **Apostolova LG**, Green AE, Babakchanian S, Hwang KS, Chou Y, Cummings JL, Toga AW, Thompson PM. Hippocampal atrophy and ventricular enlargement in normal aging, mild cognitive impairment and Alzheimer's disease, ADAD, 2012; 26(1):17-27. PMC3286134
- 27) **Apostolova LG**, Alves G, Hwang KS, Babakchanian S, Bronnick K, Larsen JP, Thompson PM, Chou Y, Tysnes OB, Beyer M. Hippocampal and ventricular changes in Parkinson's disease subjects with mild cognitive impairment. *Neurobiol Aging*, 2012; 33 (2012): 2113-2124. PMC4077346
- 28) Stein JL, ... **Apostolova LG**, ...et al (ENIGMA consortium). Common genetic polymorphisms contribute to the variation in human hippocampal and intracranial volume. *Nature Genetics* 2012, 44 (5):552-61. DOI: 10.1038/ng.2250. PMC3635491
- 29) Chow N, Aarsland D, Honarpisheh H, Beyer MK, Rongve A, Tysnes OB, Thompson PM, **Apostolova LG**. Comparing hippocampal atrophy in Alzheimer's dementia and Dementia with Lewy Bodies. *Dem Geriatr Cog Dis*, 2012; 34 (1): 44-50. DOI:10.1159/000339727. PMC3470878
- 30) Prado E, Pahlopak P, Ngo M, Porter V, **Apostolova LG**, Ringman JM. Agitation and psychosis associated with dementia with Lewy bodies exacerbated by Modafinil use. *Amer J Alzheimer Dis Other Dem*, 2012; 27 (7): 468-73. doi: 10.1177/1533317512456450. PMC4005870
- 31) Ringman JR, Bardens J, Teng E, Beigi M, Gylys K, Badmaev V, Heath DD, Frautchy S, **Apostolova LG**, Porter V, Vanek Z, Helleman G, Sugar C, Montine TJ, Cummings JL, Cole G. Oral curcumin for Alzheimer's disease: Tolerability and efficacy in a 24-week randomized double blind placebo-controlled study. *Alzheimer's Research and Therapy* 2012, 4 (5):43. PMC3580400
- 32) Grill JD, Di L, Lu PH, Lee C, Ringman J, **Apostolova LG**, Chow N, Kohannim O, Cummings JL, Thompson PM, Elashoff D, for the ADNI. Estimating sample sizes for pre-dementia Alzheimer's trials based on the ADNI. *Neurobiol Aging*, 2013; 34 (1): 62-72. PMC3412892

- 33) Beyer MK, Bronnink KS, Hwang KS, Bergsland N, Tysnes OB, Larsen JP, Thompson PM, Somme JH, **Apostolova LG**. Verbal memory performance is associated with structural hippocampal changes in newly diagnosed Parkinson's disease. *JNNP*, 2013, 84 (1): 23-28; doi: 10.1136/jnnp-2012-303054. PMC4041694
- 34) **Apostolova LG**, Babakchian S, Hwang KS, Green AE, Zlatev D, Chou YY, Jack CR, Petersen RC, Aisen PS, Cummings JL, Toga AW, Thompson PM. Ventricular enlargement and its clinical correlates in the imaging cohort from the ADCS MCI Donepezil/Vitamin E study. *ADAD* 2013; 27(2): 174-181. PMC3662002.
- 35) Beyer M, Alves G, Hwang KS, Babakchian S, Bronnick K, Chou Y, Larsen JP, Mulugeta E, Thompson PM, Tysnes OB, **Apostolova LG**. Cerebrospinal fluid A β levels correlate with structural brain changes in Parkinson's disease. *Mov Dis*, 2013: 28(3): 302-310. PMC3608817
- 36) Lee GJ, Lu PH, Medina L, Rodrigues Y, Melchor S, Coppola G, Braskie MN, **Apostolova LG**, Leow A, Thompson PM, Ringman JR. Regional brain volume differences in symptomatic and presymptomatic and carriers of familial AD mutations. *JNNP*, 2013: 84(2): 154-162. PMC3779052
- 37) Hwang KH, Beyer MK, Green AE, Thompson PM, Janvin C, Larsen JP, Cummings JL, Aarsland D, **Apostolova LG**. Mapping Cortical Atrophy in Parkinson's Disease Patients with Cognitive Impairment and Dementia. *Dementia and Geriatric Cognitive Disorders*, 2013: 3(1): 69-76. PMC4018208
- 38) Teng E, Leone-Friedman J, Lee GJ, Woo S, **Apostolova LG**, Harrell S, Ringman JM, Lu PH. Similar verbal fluency patterns in amnesic mild cognitive impairment and Alzheimer's disease. *Arch Clin Neuropsychol*, 2013: 28(5):400-410. PMC3711375
- 39) Kohannim O, Hua X, Rajagopalan P, Hibar DP, Jahanshad N, Grill J, **Apostolova LG**, Toga AW, Jack CR, Weiner MW, Thompson PM. Multilocus genetic profiling to empower drug trials and predict brain atrophy. *Neuroimage Clinical*, 2013: 2: 827-835. PMC 3777716
- 40) **Apostolova LG**. "Generation Next" in Alzheimer's Disease Genetic Studies. *Invited Editorial*. *Nat Rev Neurol*. 2013; 9 (8): 422-423. PMC4041698
- 41) Thompson PM, Stein JL, Medland SE, Hibar DP, Vasques AA, Renteria M, Toro R, Jahanshad N, Schumann G, Franke B, Wright MJ, Martin NG, Agartz I, Alda M, Alhusaini S, Almasy L, Almeida J, Alpert K, Andreasen NC, Andreassen OA, **Apostolova LG**, et al. The ENIGMA Consortium: large-scale collaborative analyses of neuroimaging and genetic data. *Brain Imaging and Behavior* 2014; 8(2): 153-82. PMC4008818
- 42) Kilroy E, **Apostolova LG**, Liu CY, Yan L, Ringman J, Wang DJ. Reliability of 2D and 3D pseudo-continuous arterial spin labeling perfusion MRI in elderly populations – comparison with 15O-water PET *J Magn Reson Imaging* 2014, 39 (4): 931-939; doi: 10.1002/jmri.24246. PMC3866214
- 43) **Apostolova LG**, Hwang KS, Kohannim O, Avila D, Jack CR, Shaw L, Trojanowski JQ, Weiner MW, Thompson PM. ApoE4 effects on automated diagnostic classifiers for mild cognitive impairment and Alzheimer's disease. *Neuroimage Clinical* 2014,4:461-472. PMC3952354
- 44) **Apostolova LG**, Di LJ, Elashoff D, Tseng CH, Fairbanks L, Cummings JL. Risk factors for behavioral abnormalities in mild cognitive impairment and mild Alzheimer's disease. *Dem Geriatr Cog Dis* 2014; 37:315-325. PMC4057985.

- 45) Eastman JA, Hwang KH, Chow N, Ramirez L, Babakchanian S, Woo E, Thompson PM, **Apostolova LG**. Cortical Thickness and Semantic Fluency in Alzheimer's disease and Mild Cognitive Impairment. *Amer AJ Alzheimer Dis* 2014; 1:81-92. PMC4207059.
- 46) McLaughlin PM, Wright MJ, Larocca M, Nguyen P, Teng E, **Apostolova LG**, Ringman JM, Zhou Y, Cumings JL, Woo E. The "Alzheimer's Type" Profile of Semantic Clustering in Amnesic Mild Cognitive Impairment, *J Int Neuropsychol Soc* 2014, 20:402-412. PMC4086918
- 47) Boccardi M, Bocchetta M, **Apostolova LG**, et al. Establishing MRI Orientation for the EADC-ADNI manual hippocampal segmentation protocol. *J Neuroimaging* 2014; 24 (5):509-14. PMC24279479.
- 48) Hurtz S, Woo E, Kebets V, Green AE, Zoumalan C, Wang B, Ringman JM, Thompson PM, Apostolova LG. Age effects on cortical thickness in cognitively normal elderly. *Dement Geriatr Cogn Dis Extra* 2014, 4(2): 221-227. PMC4132234.
- 49) Teng E, Chow N, Hwang KS, Thompson PM, Gylys K, Cole G, Jack CR, Shaw L, Trojanowski J, Soares H, Weiner M, **Apostolova LG**. Low plasma ApoE levels are associated with smaller hippocampal size in the Alzheimer's Disease Neuroimaging Initiative (ADNI) cohort. *Dem Geriatr Cog Disord* 2014, 39(3-4):154-166. PMC4323932
- 50) Bocchetta M, Boccardi M, Ganzola R, **Apostolova LG**, et al. Harmonized benchmark labels of the hippocampus on MR: the EADC-ADNI project. *Alzheimer's and Dementia, Alzheimer's and Dementia* 2015, 11(2):151-160. PMC43233932
- 51) Boccardi M, Bocchetta M, **Apostolova LG**, et al. Delphi definition of the EADC-ADNI Harmonized Protocol for Hippocampal Segmentation on magnetic resonance. *Alzheimer's and Dementia* 2015, 11(2):126-138. PMC4419736
- 52) Frisoni GB, Jack CR, Bocchetta M, Bauer C, Frederiksen KS, Liu Y, Preboske G, Swihart T, Blair M, Cavado E, Grothe MJ, Lanfredi M, Martinez O, Nishikawa M, Portegies M, Stoub T, Ward C, **Apostolova LG**, et al. The EADC-ADNI Harmonized Protocol for Hippocampal Segmentation on Magnetic Resonance: Evidence of Validity. *Alzheimer's and Dementia* 2015, 11(2): 111-125. PMC4422168
- 53) **Apostolova LG**, Hwang KS, Avila D, Elashoff D, Kohannim O, Teng E, Sokolow S, Jack CR, Jagust WJ, Shaw L, Trojanowski JQ, Weiner MW, Thompson PM. Brain amyloidosis can be ascertained from cognitive, imaging and peripheral blood protein measures. *Neurology* 2015,84 (7):729-737. PMC4336101
- 54) Chow N, Hwang KS, Hurtz S, Green AE, Somme JH, Thompson PM, Elashoff DA, Jack CR, Weiner M, **Apostolova LG**. Comparing 3T and 1.5T MRI for Mapping Hippocampal Atrophy in the Alzheimer's Disease Neuroimaging Initiative. *AJNR* 2015, 36(4):653-640, PMID:5832348
- 55) **Apostolova LG**, Zarow C, Biado K, Hurtz S, Boccardi M, Somme J, Honarpisheh H, Blanken AE, Brook J, Tung S, Ng D, Alger JA, Vinters HV, Bocchetta M, Duvernoy H, Jack CR, Frisoni GB. Relationship Between Hippocampal Atrophy and Neuropathology Markers: a 7T MRI Study. *Alzheimer's and Dementia* 2015, 11(2):139-150. PMC4348340
- 56) Duchesne S, Valdivia F, Robitaille N, Mouiha A, Valdivia A, Bocchetta M, **Apostolova LG**, Ganzola R, Preboske G, Wolf D, Boccardi M, Jack CR, Frisoni GB. Manual segmentation

qualification platform for the EADC-ADNI harmonized protocol for hippocampal segmentation project. *Alzheimer's and Dementia* 2015, 11(2):161-174.

- 57) Zhou Y, Ortiz F, Nunez C, Elashoff D, Woo E, **Apostolova LG**, Wolf S, Ringman JR. Use of the MoCA in Detecting Early Alzheimer's Disease in a Spanish-Speaking Population with Varied Levels of Education. *Dem Geriatr Cog Disord Extra* 2015, 5(1):85-95. PMC4376923
- 58) Hwang KS, Lazaris A, Eastman J, Teng E, Thompson PM, Gyls K, Cole G, **Apostolova LG**. Plasma BDNF levels associate with Pittsburgh compound B binding in the brain. *DADM* 2015, 1, 187-193. PMC4507280
- 59) Singh TD, Josephs KA, Machulda MM, Drubach DA, **Apostolova LG**, Lowe VJ, Whitwell JL. Clinical, FDG and amyloid PET findings in posterior cortical atrophy, *J Neurol* 2015, 262(60):1483-92. PMC4469094
- 60) Lazaris A, Hwang KS, Ramirez LM, Eastman J, Blanken AE, Teng E, Gyls K, Cole G, Saykin A, Shaw L, Trojanowski JQ, Jagust WJ, Weiner MW, **Apostolova LG**. Alzheimer's Disease Risk Genes Modulate the Relationship Between Plasma ApoE and Pittsburgh Compound B (PiB) Binding in the Brain. *Neurology Genetics* 2015,1;3:e22. PMC4809461
- 61) Avila J, Flores A, Shivley-Scott T, **Apostolova LG**, Woo E, Ringman J, Razani J. Daily Activities Abilities in Mild Cognitive Impairment, Alzheimer's Disease and Healthy Controls. *J Gerontopsych and Geriatr Psych* 2015, 28 (4):191-200. PMC4922896
- 62) Madhavan A, Josephs KA, Schwarz CG, Duffy JR, Strand EA, Machulda MM, Drubach DA, Kantarci K, Przybelski SA, Reid RI, Senjem ML, Gunter JL, **Apostolova LG**, Lowe VJ, Petersen RC, Jack CR, Whitwell JL. Characterizing white matter tract degeneration in syndromic variants of Alzheimer's disease: a diffusion tensor imaging study, *J Alz Dis* 2015, 49 (3):633-43.
- 63) Ramirez LM, Goukasian N, Porat S, Hwang KS, Eastman JA, Hurtz S, Wang B, Vang N, Sears R, Klein E, Coppola G, **Apostolova LG**. Common Variants in *ABCA7* and *MSA46A* are Associated with Cortical and Hippocampal Atrophy. *Neurobiol of Aging* 2016, 39:82-89.
- 64) Clark DG, McLaughlin P, Woo E, Hwang KH, Hurtz S, Ramirez L, Eastman J, Dukes RM, Kapur P, DeRamus TP, **Apostolova LG**. Novel verbal fluency scores and structural brain imaging for prediction of cognitive outcome in mild cognitive impairment, *DADM* 2016, 2:113-22. PMC4879664
- 65) Rattanabannakit C, Risacher SL, Gao S, Lane KA, Brown SABC, Unverzagt FW, **Apostolova LG**, Saykin AJ, Farlow MR. The Cognitive Change Index as a Measure of Self and Informant Perception of Cognitive Decline: Relation to Neuropsychological Tests, *JAD* 2016, 25; 51(4): 1145-55. PMC4833578
- 66) Soosman AK, Joseph-Maturin N, Braskie MN, Bordelon YM, Wharton D, Casado M, Coppola G, McCallum H, Nuwer M, Coutin-Churchman P, **Apostolova LG**, Benzinger T, Ringman JM. Widespread White Matter and Conduction Abnormalities in PSEN1-Related Spastic Paraparesis. *Neurobiology of Aging* 2016, 47: 201-209. PMC5075491
- 67) Porat S, Goukasian N, Hwang KS, Do T, Pierce J, Joshi S, Woo E, Zanto T, **Apostolova LG**. Dance Experience and Associations with Cortical Gray Matter Thickness in the Aging Population. *Dem Geriatr Cog Disord* 2016, 6 (3):508-517.PMC5123027
- 68) **Apostolova LG**, Haider J, Goukasian N, Rabinovici G, Chetelat G, Ringman J, Kremen S, Grill J, Restrepo L, Mendez M, Silverman DH. Critical review of the Appropriate Use Criteria

for amyloid imaging: effect on diagnosis and patient care. DADM, 2016;5: 15-22. PMC5198877

- 69) Wilhalme H, Goukasian N, De Leon F, He A, Hwang K, Woo E, Elashoff D, Zhou Y, Ringman JM, **Apostolova LG**. A comparison of theoretical and statistically-derived indices for predicting cognitive decline. DADM, 2016: 5:171-181. PMC53228960
- 70) Stage E, Duran T, Risacher S, Goukasian N, Do T, West J, Wilhalme H, Nho K, Phillips M, Elashoff D, Saykin AJ, **Apostolova LG**. The effect of the top 20 Alzheimer's disease risk genes on brain atrophy and FDG PET brain metabolism. DADM, 2016;5:53-66. PMC5198883
- 71) Sokolow S, Li X, Chen L, Taylor KD, Rotter JJ, Rissman RA, Aisen PS, **Apostolova LG**. Deleterious of Butyrylcholinesterase K-variant in donepezil treatment of mild cognitive impairment. JAD 2017, 56(1):229:237. PMC5534361
- 72) Grill JD, Cox CG, Kremen S, Mendez M, Teng E, Shapira J, Ringman J, **Apostolova LG**. Patient and caregiver reactions to clinical amyloid imaging. Alzheimer's and Dementia, 2017; 13:924-932. PMC5544590
- 73) Blanken AE, Hurtz S, Zarow C, Biado K, Honarpisheh H, Somme J, Brook J, Tung S, Kraft E, Lo D, Ng D, Vinters HV, **Apostolova LG**. Associations between hippocampal morphometry and neuropathologic markers of Alzheimer's disease using 7T MRI. Neuroimage Clinical, 2017;15:56-61. PMC5412112
- 74) Deters K, Nho K, Risacher SL, Kim S, Ramanan VK, Crane PK, **Apostolova LG**, Saykin AJ. Genome-wide association study of language performance in Alzheimer's disease, Brain and Language, 2017;172: 22-29. PMC5583024
- 75) Grill JD, **Apostolova LG**, Bullain S, Burns J, Cox C, Dick M, Hartley D, kawas C, Kremen S, Lingler J, Lopez O, Mapstone M, Pierace A, Rabinovici R, Roberts S, Sajjadi S, Teng E, Karlawish J. Communicating Mild Cognitive Impairment diagnosis with and without amyloid imaging. Alzheimer's Research and Therapy, 2017; 9:35-42. PMC5418690
- 76) Risacher SL, Tallman EF, West JD, Yoder KK, Hutchins GD, Fletcher JW, Gao S, Kareken DA, Farlow MR, **Apostolova LG**, Saykin AJ. Olfactory identification in subjective cognitive decline and mild cognitive impairment: Association with tau but not amyloid positron emission tomography. Alzheimers Dement (Amst), 2017; 9: 57-66. PMC5675709
- 77) **Apostolova LG**, Risacher S, Duran T, Stage E, Goukasian N, West J, Do T, Grotts J, Wilhalme H, Nho K, Phillips M, Elashoff D, Saykin AJ. Associations of the top 20 AD risk variants on brain amyloidosis, JAMA Neurology, 2018: 75(3):328-341. PMC5885860.
- 78) Mustafa R, Rabinovici G, Dickerson B, Carrillo M, Glazier B, Gao S, Tierney M, Fargo K, Brosch J, Austrom M, DeSanti S, Clark DG, **Apostolova LG**. Patient and caregiver assessment of the benefits from the clinical use of amyloid PET imaging. ADAD 2018; 32(1): 35-42. PMC5821566
- 79) Cong S, Risacher SL, West JD, Wu YC, **Apostolova LG**, Tallman E, Rizkalla M, Salama P, Saykin AJ, Shen L. Volumetric comparison of hippocampal subfields extracted from 4-minute accelerated versus 8-minute high-resolution T2-weighted 3T MRI scans. Brain Image and Behavior. 2018, 12(6):1583-1595. PMC6033688
- 80) Ma QL, Teng E, Zuo X, Jones M, Teter B, Zhao EY, Zhu C, Bilousova T, Gylys K, **Apostolova LG**, LaDu MJ, Hossain MA, Frautchy SA, Cole GM. Neuronal pentraxin 1: A

synaptic-derived plasma biomarker in Alzheimer's disease. *Neurobiol Dis.* 2018;114:120-128.

- 81) Risacher SL, Farlow MR, Bateman DR, Epperson F, Tallman EF, Richardson R, Murrell JR, Unverzagt FW, **Apostolova LG**, Bonnin JM, Ghetti B, Saykin AJ. Detection of Tau in Gerstmann-Sträussler-Scheinker Disease (PRNP F198S) by [¹⁸F] Flortaucipir PET. *Acta Neuropathologica*, 2018, 6 :114. PMC6205777
- 82) Lara-Ruiz J, Kauzor K, Nakhala M, Banuelos D, Woo E, **Apostolova LG**, Razani J. Cognitive and Functional Abilities of MCI and Alzheimer's Disease Patients Predict Caregiver Burden. *Journal of Gerontopsychology and Geriatric Psychiatry*, 2019, 32 (1): 31-39. PMC6785829
- 83) Hurtz S, Chow N, Watson AE, Somme JH, Goukasian N, Hwang KS, Morra J, Elashoff D, Gao S, Petersen RC, Aisen PS, **Apostolova LG**. Automated and Manual Hippocampal Segmentation Technique: Comparison of Results, Reproducibility and Clinical Applicability. *Neuroimage Clinical*, 2019, 21: 101574. PMC6413347
- 84) Contreras JA, Koenigsberger AA, Risacher SL, West JD, Tallman EF, McDonald BC, Farlow MF, **Apostolova LG**, Goñi J, Dzemidzic M,¹Kessler D, Jeub L, Fortunato S, Saykin AK, Sporns O. Resting state network modularity along the prodromal late onset Alzheimer's disease continuum. *Neuroimage Clinical*, 2019, 22: 101687. PMC6357852
- 85) Risacher SL, Fandos N, Romero J, Sherriff I, Saykin AJ, **Apostolova LG**. Plasma Aβ levels are associated with cerebral amyloid and tau deposition. *DADM*, 2019; 11:510-519. PMC6661419.
- 86) Goukasian N, Porat S, Blanken A, Avila D, Zlatev D, Hurtz S, Hwang KS, Pierce J, Joshi S, Woo E, **Apostolova LG**. Cognitive Correlates of Hippocampal Atrophy and Ventricular Enlargement in subjects with and without mild cognitive impairment. *Dement Geriatr Cogn Disord Extra*, 2019;9:281-293. PMC6751474
- 87) Wen Q, Mustafi SM, Harezlak J, Li J, Risacher SL, West JD, Tallman E, Farlow MR, Unverzagt FW, **Apostolova LG**, Saykin AJ, and Wu Y. White-Matter Microstructure in Early Stage Alzheimer's Disease. *Alzheimers Dement (Amst)*, 2019; 11:576-587. PMC6713788
- 88) Phillips ML, Stage Jr. EC, Lane KA, Gao S, Risacher SL, Goukasian N, Saykin AJ, Carrillo MC, Dickerson BC, Rabinovici GD, **Apostolova LG**, for the Alzheimer's Disease Neuroimaging Initiative. Neurodegenerative Patterns of Cognitive Clusters of Early Onset AD Subjects – Evidence for Disease Heterogeneity. *Dem Geriatr Cog Dis*, 2019; 48(3-4):131-142. PMC7031037
- 89) Goukasian N, Hwang KS, Romero T, Grotts J, Do T, Groh J, Bateman DR, **Apostolova LG** for the Alzheimer's Disease Neuroimaging Initiative. The Association of Brain Amyloidosis with the incidence and frequency of Neuropsychiatric Symptoms in ADNI - a multisite observational cohort study. *BMJ Open*, 2019; 9 (12): e031947. PMID 31857304.
- 90) Xu C, **Apostolova LG**, Oblak AL, Gao S. Associations of Hypercholesterolemia with Alzheimer's Disease Pathology and Cerebral Amyloid Angiopathy. *J Alzheimers Dis*, 2020; 73(4):1305-1311. PMC7489304
- 91) Callahan CM, **Apostolova LG**, Gao S, Risacher SL, Case J, Saykin AJ, Lane KA, Yoder MC. Novel Markers of Angiogenesis in the Setting of Cognitive Impairment and Dementia. *JAD* 2020; 75(3): 959-969.

- 92) Vasantakumar A, Dawis JW, Idler K, Waring JF, Asque E, Rilley-Gillis B, Grosskurth S, Srisrava G, Kim S, Nho K, Nudelman KNH, Faber K, Sun Y, Foroud T, Estrada K, **Apostolova LG**, Li QL, Saykin AJ, for the ADNI. Harnessing peripheral DNA methylation differences in ADNI to reveal novel biomarkers of disease. *Clinical Epigenetics*, 2020; 12(1):84. PMC7294637
- 93) Risacher SL, WuDunn D, Tallman EF, West JD, Gao S, Farlow MR, Brosch JR, **Apostolova LG**, Saykin AJ. Visual contrast sensitivity predicts the presence of cerebral amyloid and tau deposition. *Brain Communications* 2020; 2(1): fcaa019. PMC7151662
- 94) Nho K, Nudelman K, Allen N, Hodges A, Kim S, Risacher SL, **Apostolova LG**, Lin K, Lunnon K, Wang X, Burgess JD, Ertekin-Tanner N, Petersen RC, Wang L, Qi Z, He A, Neuhaus I, Patel V, Foroud T, Faber KM, Lovestone S, Simmons A, Weiner MW, Saykin AJ. Genome wide transcriptome analysis identifies novel dysregulated genes implicated in Alzheimer's pathology. *Alzheimers Dement* 2020, 16(9); 1213-1223. PMC7541709
- 95) Stage EC, Phillips M, Hugo Canela VH, Duran T, Goukasian N, Risacher SL, Saykin AJ, **Apostolova LG**. Neurodegenerative changes in early and late onset cognitive impairment with or without brain amyloidosis. *Alzheimer's Research and Therapy* 2020, 12(1):93. PMC7409508
- 96) Wen Q, Risacher SL, Xie L, Li J, Harezlak J, Farlow MF, Unverzagt FW, Gao S, **Apostolova LG**, Saykin AJ, Wu YC. Tau-related White Matter Alterations Along Spatially Selective Pathways. *Neuroimage* 2020, 226:117560.
- 97) Jung M, **Apostolova LG**, Gao S, Burney H, Lai D, Foroud T, Saykin AJ, Pressler SJ. Testing Influences of *APOE* and *BDNF* Genes and Heart Failure on Cognitive Function. *Heart and Lung* 2021; 50 (1): 50-58.
- 98) Mintun MA, Lo AC, Duggan Evans C, Wessels AM, Ardayfio PA, Andersen SW, Shcherbinin S, Sparka J, Sims JR, Brys M, Apostolova LG, Salloway SP, Skovronsky DM. Donanemab in Early Alzheimer's Disease. *N Engl J Med* 2021, 384(18):1691-1794.
- 99) Svaldi DO, Goni J, Kausar A, Amico E, Clark DG, Muralidharan C, Dzemicic M, West JD, Risacher S, Saykin A, **Apostolova LG**, for the Alzheimer's Disease Neuroimaging Initiative. Optimizing Differential Identifiability Improves Connectome Predictive Modeling of Cognitive Deficits from Functional Connectivity in Alzheimer's Disease, *HBM* 2021, 42(11):3500-3516. PMC8249900
- 100) **Apostolova LG**, Aisen P, Eloyan A, Fagan A, Fargo KN, Foroud T, Gatsonis C, Grinberg LT, Jack CR Jr, Kramer J, Koeppe R, Kukull WA, Murray ME, Nudelman K, Rumbaugh M, Toga A, Vemuri P, Trullinger A, Iaccarino L, Day GS, Graff-Radford NR, Honig LS, Jones DT, Masdeu J, Mendez M, Musiek E, Onyike CU, Rogalski E, Salloway S, Wolk DA, Wingo TS, Carrillo MC, Dickerson BC, Rabinovici GD; LEADS Consortium. The Longitudinal Early-onset Alzheimer's Disease Study (LEADS): Framework and Methodology. *Alzheimers Dement*. 2021, in press. doi: 10.1002/alz.12350.
- 101) Perry BL, McConnell WR, Peng S, Roth A, Coleman M, Manchella M, Roessler M, Francis H, Sheehan H, Apostolova L. Social Networks and Cognitive Function: an Evaluation of social Bridging and Bonding Mechanisms. *The Gerontologist*, 2021, in press. <https://doi.org/10.1093/geront/gnab112>
- 102) Chumin EJ, Risacher SL, West JD, Apostolova LG, Farlow MR, McDonald BC, Wu YC, Saykin AJ, Sporns O. Temporal stability of the ventral attention network and general cognition

along the Alzheimer's disease spectrum. *Neuroimage: Clinical* 2021, 31:102726. PMC8220588

- 103) Kim J, Woo SY, Kim S, Jang H, Kim J, Kim J, Kang SH, Na DL, Chin J, **Apostolova LG**, Seo SW, Kim HJ. Differential effect of risk factors on the cognitive trajectory of early and late onset Alzheimer's disease. *Alzheimers Res Ther.* 2021, 13(1):113. PMC8204422
- 104) Cummings J, Aisen P, **Apostolova LG**, Atri A, Salloway S, Weiner M. Aducanumab: Appropriate Use Recommendations. *JPAD*, 2021, in press. <http://dx.doi.org/10.14283/jpad.2021.41>
- 105) Jia T, Chu C, Liu Y, ... **Apostolova LG**, ... Thompson PM, Schumann G., Desrivieres S. Epigenome-wide meta-analysis of 1 blood DNA methylation and its association with subcortical volumes: findings from the ENIGMA Epigenetics Working Group. *Molecular Psychiatry*, in press
- 106) Risacher SL, West JD, Deardorff R, Gao S, Farlow MR Brosch JR, **Apostolova LG**, McAllister TW, Wu Y-C, Jagust WJ, Landau SM, Weiner MW, Saykin AJ, for the ADNI (2021). Head injury is associated with tau deposition on PET in MCI and AD patients. *Alzheimers Dement (Amst)*, in press. PMC8383323
- 107) Perry B, McConnell WR, Coleman M, Roth A, Peng S, **Apostolova LG**. Why the cognitive "fountain of youth" may be upstream: Pathways to dementia risk and resilience through social connectedness, *Alzheimer's and Dementia*, in press. <https://doi.org/10.1002/alz.12443>
- 108) Aamodt EB, Schellhorn T, Stage E, Sanjay AB, Logan PE, Svaldi DO, **Apostolova LG**, Saltvedt I, Beyer MK. Predicting the emergence of major neurocognitive disorder within three months after a stroke. *Front Aging Neurosci* 2021, in press. doi: 10.3389/fnagi.2021.705889. PMC84118065
- 109) Moore AM, Filshtein TJ, Dumitrescu L, Harrati A, Elahi F, Mormino EC, Deming Y, Kunkle BW, Mungas DM, Hedden T, **Apostolova LG**, Saykin A, Chasioti D, Lu Q, Dennis J, Sealock J, Davis LK, Fardo DW, Buckley R, Hohman TJ. A/T/N Polygenic Risk Score for Cognitive Decline in Old Age. *Alzheimer's and Dementia*, submitted.
- 110) Peng S, Roth A, **Apostolova LG**, Saykin A, Perry B. Cognitively Stimulating Environments and Cognitive Reserve: The Case of Personal Social Networks. *Neurobiol Aging* 2021, submitted.

Editorials:

- 1) **Apostolova LG**. "Generation Next" in Alzheimer's disease genetic studies. *Nature Reviews Neurology. News and Views.* 2013; 9(8):422-423.
- 2) Mormino EC, Wolk DA, **Apostolova LG**. Introduction to special edition, "State of the Field: Advances in Neuroimaging from the 2016 Alzheimer's Imaging Consortium". *DADM*, 2016;5: 67-69. PMC5198873
- 3) **Apostolova LG**. Alzheimer's Disease: A quantitative trait approach to GWAS pays dividends. *Nature Reviews Neurology. News and Views.* 2017; 13: 321-322.

- 4) Zetterberg H, **Apostolova LG**, Snyder P. Blood-based biomarkers for Alzheimer's disease and related dementias. *Special issue: Blood-based Biomarkers for Alzheimer's Disease and Related Dementias*. DADM, 2019; 11: 784-786. PMC6872805

Invited Reviews:

- 1) Monien BH, **Apostolova LG**, Bitan G. Early diagnostics and therapeutics for Alzheimer's disease - how early can we get there? *Expert Rev. Neurotherapeutics*, 2006, 6 (9): 1293-1306. PMC2715564.
- 2) Thompson PM, **Apostolova LG**. Computational anatomic methods as applied to aging and dementia. *British Journal of Radiology*. 2007, 80 Spec No 2, S78-91.
- 3) **Apostolova LG**, Thompson PM. Brain mapping – a tool to study neurodegeneration. *Neurotherapeutics*. 2007, 4(3): 387-400; published online May 7, 2007; published online June 26 2007. PMC2634605
- 4) **Apostolova LG**, Thompson PM. Mapping progressive brain structural changes in early AD and MCI. *Neuropsychologia – special issue on Neuroimaging of Alzheimer's Dementia*. Eustashe F, Chetelat G (Guest eds), 2008, 46: 1597-1612. PMC2713100
- 5) **Apostolova LG**. Use of Magnetic Resonance Imaging to Identify Mild Cognitive Impairment: who should be imaged? *Expert Opinion*. *CNS Spectr* 2008, 13 (10 Suppl 16), 18-20.
- 6) **Apostolova LG**. Use of Magnetic Resonance Imaging to Identify Mild Cognitive Impairment: who should be imaged? *Expert Opinion*. *Primary Psychiatry* 2008, 15 (10 Suppl 6), 18-20.
- 7) Brosch JR, Farlow MF, Risacher SL, **Apostolova LG**. Tau Imaging in Alzheimer's Disease Diagnosis and Clinical Trials. *Review paper*. *Neurotherapeutics* 2017, 14 (1): 62-68. PMC5233632
- 8) Ayers MR, Svaldi D, **Apostolova LG**. Brain Imaging in Differential Diagnosis of Alzheimer's Disease and Other Demantias. *Practical Neurology*, June 2019, 48-59.
- 9) Pontone G, Dissanayaka N, **Apostolova LG**, Brown R, Dobkin R, Dujardin K, Friedman J, Leentjens A, Lenze E, Marsh L, Mari L, Monchi O, Richard I, Schrag A, Strafella A, Vernaleo B, Weintraub D, Mari Z. Report from a multidisciplinary meeting on anxiety as a non-motor manifestation of Parkinson's disease. *Review paper*. *NPG Parkinson's Journal* 2019, 11: 5-30. PMC6906437
- 10) Graff-Radford J, Young KXX, **Apostolova LG**, Bowman FH, Carrillo M, Dickerson BC, Rabinovici GD, Schott JM, Jones DJ, Murray ME. New Insights Into Atypical Alzheimer's Disease in the Era of Biomarkers. *Lancet Neurology* 2021; 20:222-234.

Case Reports:

- 1) **Apostolova LG**, White M, Moore SA, Davis P. Extensive deep white matter pathology in a watershed distribution: a novel pattern of CNS involvement in MELAS. *Archives of Neurology*, 2005, 62 (7): 1154-6.

- 2) **Apostolova LG**, Johnson EK, Adams HP. Disseminated Pseudallesheria Boydii disease successfully treated with voriconazole, *Journal of Neurol Neurosurg Psychiatry*, 2005, 76 (12), 1741-2. PMID: PMC1739443
- 3) **Apostolova LG**, Klement I, Vinters HV, Bronstein Y, Cummings JL. Multiple system atrophy presenting as semantic dementia. *Neurology*, 2006, Aug 22; 67(4):726-7.

Book Chapters:

- 1) **Apostolova LG**, Cummings JL. Neuropsychiatric Features of Dementia with Lewy Bodies. Chapter in *Dementia with Lewy Bodies*, O'Brien J, McKeith I, Ames D, Chui E (eds), 2006, Taylor and Francis Group: Oxon, UK, p. 73-92.
- 2) **Apostolova LG**, Cummings JL. The pathogenesis of m Alzheimer's disease. Chapter for *Protein Misfolding, Aggregation, and Conformational Diseases*, vol. II. Uversky, Fink AL (eds), 2007, Springer Science+Business Media: New York, NY, p. 3-29.
- 3) **Apostolova LG**, Cummings JL. Psychiatric manifestations of dementia. *Continuum: Lifelong Learning Neurol* 2007, 13 (2): 165-179.
- 4) **Apostolova LG**, Cummings JL. Neuropsychiatric aspects of Alzheimer's Disease and other dementing illnesses. Chapter for *The American Psychiatric Publishing textbook of Neuropsychiatry*, 5th Edition. Yudofsky SC, Hales RE (eds), 2007, American Psychiatric Publishing, Inc.: Washington, DC, p. 935-968.
- 5) **Apostolova LG**, Thompson PM. Imaging of cognitive disorders. Chapter for *Imaging of Neuropsychiatric Disorders*, 1st Edition. Turetsky B, Shenton M (eds), 2011, Cambridge University Press, New York, NY, p 313-331.
- 6) Leow AD, **Apostolova LG**, Thompson PM. Computation Anatomy in Alzheimer's Disease. Chapter for *Principles and Practice of Geriatric Psychiatry*, 3rd edition. Abou-Saleh M, Katona C, Kumar A (eds), 2011, John Wiley and Sons, Ltd., Chichester, England, p. 262-270.
- 7) **Apostolova LG**, DeKoski S, Cummings JL. Dementia. Chapter for *Neurology in Clinical Practice*, 6th edition. Daroff R, Fenichel G, Jankovic J, Mazziotta J (eds), 2012, Elsevier: Philadelphia, PA, p. 1534-1582.
- 8) **Apostolova LG**, Cummings JL. Neuropsychiatric aspects of Alzheimer's Disease and other dementing illnesses. Chapter for *Clinical Manual of Neuropsychiatry*, 1st edition. Yudofsky SC, Hales RE (eds), 2012, American Psychiatric Publishing, Inc.: Washington, DC, p.311-338.
- 9) Beyer M, Dalaker T, **Apostolova LG**. Imaging and Behavior in Parkinson's disease. Chapter for *Behavioral problems in Parkinson's disease: Diagnosis and Management*. Aarsland D, Cummings JL, Weintraub D, Chaudhuri R (eds). Cambridge University Press, New York, p. 73-88.
- 10) **Apostolova LG**. Structural Imaging in Degenerative Dementias. Chapter for *Textbook for Geriatric Neurology*. Sabbagh M, Nair A (eds). Wiley, 2014.
- 11) **Apostolova LG**. Dementia. Chapter for *Best Practices In Neurological Care*, Ovbiagele B. (ed). Future Science Group, London, in press.
- 12) **Apostolova LG**. Alzheimer's disease. *Continuum: Lifelong Learning Neurol* 2016, 22 (2 Dementia):419-34.

- 13) Polsinelli A, **Apostolova LG**. Atypical Alzheimer's Disease. Continuum: Lifelong Learning Neurol 2021.

Research Abstracts:

Featured Abstract Presentations and Awards:

- 1) **Apostolova LG**, Dinov ID, Toga AW, Cummings JL, Thompson PM. 3D comparison of hippocampal atrophy in mild cognitive impairment and Alzheimer's disease. *Oral presentation*, 58th American Academy of Neurology Meeting, San Diego, CA, April 2006.
- 2) **Apostolova LG**, Steiner CA, Akopyan GG, Dutton RA, Toga AW, Cummings JL, Thompson PM. 3D Comparison of cortical atrophy maps in amnesic mild cognitive impairment and Alzheimer's disease. 36th Annual Meeting of the Society for Neuroscience, Atlanta, Georgia, November 2006; *Oral presentation*.
- 3) **Apostolova LG**, Silverman DHS, Green A, Thompson PM, Rogers SA, Dinov ID, Zoumalan C, Steiner CA, Siu E, Dutton RA, Hayashi KM, Cummings JL, Toga AW, Phelps ME, Small GW. APOE-4 allele influences longitudinal 3D hippocampal FDG-PET changes in nondemented elderly. 59th American Academy of Neurology Meeting, Boston, MA, April 2007; *Oral presentation*.
- 4) **Apostolova LG**, Thompson PM, Green AE, Jack CR, Harvey D, Petersen RC, Thal LJ, Cummings JL, DeCarli C for the ADCS Group. 3D analysis of hippocampal atrophy progression in MCI subjects. 132nd Annual meeting of the American Neurological Association, Washington DC, October 2007, *Dementia Walking Tour presentation*.
- 5) **Apostolova LG**, Mosconi LM, Thompson PM, Green AH, Mistur R, Tsui WH, de Leon MJ. Subregional hippocampal atrophy predicts future decline to Alzheimer's dementia in cognitively normal subjects. 60th American Academy of Neurology Meeting, Chicago, IL, April 2008; *Integrated Neuroscience "New Methods in Neuroimaging" and also "Dementia/Behavioral Scientific Topic Highlights" presentation*.
- 6) **Apostolova LG**, Morra JH, Green AE, Hwang KS, Avedissian C, Parikshak N, Cummings JL, Toga AW, Jack CR, Weiner MW, Thompson PM. Automated longitudinal 3D mapping of hippocampal ADAScog delayed recall effects in 492 normal elderly, MCI and AD subjects. 11th International Conference on Alzheimer's Disease and Related Disorders, Chicago, IL, July 2008; *oral presentation*.
- 7) **Apostolova LG**, Green AE, Hwang KS, Morra JH, Cummings JL, Toga AW, Jack CR, Weiner MW, Thompson PM. Mapping the correlations between serum Abeta and tau and hippocampal atrophy measures in 282 ADNI subjects. 61st American Academy of Neurology Meeting, Seattle, WA, April 2009; *oral presentation*.
- 8) **Apostolova LG**, Hwang KS, Green AE, Babakchanian S, Morra JH, Cummings JL, Toga AW, Trojanowski J, Shaw L, Jack CR, Weiner MW, Thompson PM. CSF Abeta and Tau associations with 3D hippocampal radial distance mapped in 282 ADNI subjects. 12th International Conference on Alzheimer's Disease and Related Disorders, Vienna, Austria, July 2009; *oral presentation*.
- 9) **Apostolova LG**, Babakchanian S, Hwang KS, Green AE, Zlatev D, Chou Y, Jack CR, Petersen RC, Thal LJ, Aisen PS, Cummings JL, Toga AW, Thompson PM. Ventricular atrophy

and its clinical correlates in the imaging cohort from the ADCS MCI Donepezil/Vitamin E study. 2nd Annual Conference on Clinical Trials on Alzheimer's Disease, Las Vegas, NE, October 2009; *oral presentation*.

- 10) Babakchanian S, Green AE, Hwang KS, Zoumalan C, Kenani R, Han HJ, Wang B, Cummings JL, Thompson PM, **Apostolova LG**. Cortical Thinning in Subjects with Mild Cognitive Impairment and Alzheimer's Disease. Neurology Science Day, UCLA, Los Angeles, CA, January 2010; *First Prize Recipient*.
- 11) Hwang KS, Beyer MK, Green AE, Chung C, Thompson PM, Janvin C, Larsen JP, Cummings JL, Aarsland D, **Apostolova LG**. Gray matter thickness in Parkinson's disease patients with mild cognitive impairment and dementia. Neurology Science Day, UCLA, Los Angeles, CA, January 2010; *Third Prize Recipient*.
- 12) **Apostolova LG**, Tseng CH, Fairbanks L, Elashoff D, Cummings JL. Effect of age, gender, marital status and education on behavioral symptoms in MCI and mild AD subjects. 62nd American Academy of Neurology Meeting, Toronto, Canada, April 2010; *Poster Discussion Session on Aging and Dementia: Risk Factors and the Geriatric Neurology Highlights in the Field Session*.
- 13) Hwang KH, Beyer MK, Green AE, Thompson PM, Janvin C, Larsen JP, Cummings JL, Aarsland D, **Apostolova LG**. Mapping Cortical Atrophy in Parkinson's Disease Patients with Cognitive Impairment and Dementia. 62nd American Academy of Neurology Meeting, Toronto, Canada, April 2010; *oral presentation and also featured in Geriatric Neurology Highlights in the Field Session*.
- 14) **Apostolova LG**, Hwang KS, Medina LD, Green AE, Dutton RA, Lai J, Geschwind D, Cummings JL, Thompson PM, Ringman JM. Mapping cortical thickness in autosomal dominant AD carriers. 62nd American Academy of Neurology Meeting, Toronto, Canada, April 2010; *Geriatric Neurology Highlights in the Field Session*.
- 15) Chung C, Hwang KS, Beyer MK, Green AE, Thompson PM, Janvin C, Larsen JP, Cummings JL, Aarsland D, **Apostolova LG**. Cortical atrophy in Parkinson's disease patients with mild cognitive impairment and dementia. 2010 Medical Student Research Forum and Poster Day, University of Southern California, Los Angeles, CA, January 2010. *Prize for best poster presentation*.
- 16) Beyer MK, Hwang KS, Babakchanian S, Chou Y, Bronnick K, Alves G, Larsen JP, Tysnes OB, Thompson PM, Cummings JL, **Apostolova LG**. Hippocampal atrophy and ventricular enlargement in newly diagnosed Parkinson's disease: results from the Norwegian ParkWest study. 14th International Congress of Parkinson's Disease and Movement Disorders, Buenos Aires, Argentina, June 2010; *Blue Ribbon Highlights Session*.
- 17) **Apostolova LG**, Hwang KS, Lee JY, Gao F, Thompson PM, Ringman JM, Cummings JL, Coppola G. Gene expression correlates of hippocampal atrophy across in cognitively normal elderly and MCI. 13th International Conference on Alzheimer's Disease and Related Disorders and Imaging Consortium, Honolulu, Hawaii, July 2010; *oral presentation*.
- 18) **Apostolova LG**, Hwang KS, Babakchanian S, Thompson PM, Cummings JL, Mulugeta E, Larsen JP, Bronnick K, Aarsland D, Alves G, Beyer MK. Hippocampal atrophy and lateral ventricle enlargement in Parkinson's disease subjects with mild cognitive impairment. 13th International Conference on Alzheimer's Disease and Related Disorders and Imaging Consortium, Honolulu, Hawaii, July 2010; *oral presentation*.

- 19) Hwang KS, Coppola G, Johnson S, Thompson PM, Lee JJ, Ringman JM, **Apostolova LG**. Mapping the effects of TOMM40 and APOE4 on hippocampal atrophy in cognitively normal elderly and MCI. 63rd American Academy of Neurology Meeting, Honolulu, Hawaii, April 2011; *oral presentation and also featured in Geriatric Neurology: Highlights in the Field*.
- 20) **Apostolova LG**, Hwang KS, Kohannim O, Coppola G, Gao F, Cummings JL, Ringman J, Thompson PM. Automated diagnostic classifiers for cognitively normal and mild cognitive impairment subjects using imaging, genotyping, and gene expression. 63rd American Academy of Neurology Meeting, Honolulu, Hawaii, April 2011; *oral presentation in "Future of Neuroscience: Implications of the ADNI for Treatment and also featured in Geriatric Neurology: Highlights in the Field Session*.
- 21) **Apostolova LG**, Hwang KS, Kohannim O, Jack CR, Shaw L, Trojanowski JQ, Weiner MW, Thompson PM. Automated diagnostic classifiers for mild cognitive impairment and Alzheimer's disease using neuroimaging and CSF biomarkers. 63rd American Academy of Neurology Meeting, Honolulu, Hawaii, April 2011; *Geriatric Neurology: Highlights in the Field Session*.
- 22) Kaspar J, Hwang KS, Coppola G, Thompson PM, Lee JL, Gao F, Wang B, Cummings JL, **Apostolova LG**. Setting the stage for Alzheimer's disease: linking imaging, genotype, and gene expression biomarkers in mild cognitive impairment. 63rd American Academy of Neurology Meeting, Honolulu, Hawaii, April 2011; *finalist for the 2011 AAN Medical Student Essay Award*.
- 23) Boccardi M, Bocchetta M, **Apostolova LG**, Barnes J, et al. Delphi consensus on landmarks for the manual segmentation of the hippocampus on MRI: preliminary results from the EADC-ADNI Harmonized Protocol working group; 64th American Academy of Neurology Meeting, New Orleans, Louisiana, April 2011; *oral presentation in "Aging and Dementia: Therapeutic Interventions"*.
- 24) Hwang KH, Coppola G, Klein E, Thompson PM, Cummings JL, **Apostolova LG**. Microtubule-associated protein tau H2 haplotype is associated with frontotemporal atrophy in cognitively normal elderly. 15th Alzheimer Association International Conference, Vancouver, Canada, July 2012; *oral presentation*.
- 25) Boccardi M, Bocchetta M, **Apostolova LG**, Barnes J, et al. Delphi consensus for a harmonized protocol for manual hippocampal segmentation: an EADC-ADNI Project. 15th Alzheimer Association International Conference, Vancouver, Canada, July 2012; *oral presentation*.
- 26) Boccardi M, Bocchetta M, Corbetta G, et al. (**Apostolova LG** as part of the Harmonized Protocol group). Definition of harmonized protocol for hippocampal segmentation. 2012 DGPPN congress, Berlin, Germany, November 2012; *oral presentation*.
- 27) Ringman JM, Sears R, Gao F, Lane L, Hsu SC, Klein E, Wharton D, B.A., Hwang K, **Apostolova LG**, Coppola G. Decreased expression of peptidase inhibitors in peripheral blood from familial Alzheimer's disease mutation carriers; 65th American Academy of Neurology Meeting, San Diego, March 2013; *oral presentation*.
- 28) **Apostolova LG**, Hwang KH, Kohannim O, Jack CR, Shaw L, Trojanowski JQ, Weiner MW, Thompson PM. Presence of brain amyloidosis can be ascertained from cognitive, imaging and peripheral blood protein measures. 65th American Academy of Neurology Meeting, San Diego, March 2013. *Special Poster Presentation Tour: Alzheimer's Biomarkers in Clinical Practice Integrated Neuroscience Session*.

- 29) Ramirez L, Hwang KH, Eastman JA, Babakchanian S, Sears R, Klein E, Gao F, Coppola G, Thompson PM, **Apostolova LG**. Common variants in ABCA7, MS4A6, and PICALM are associated with cortical atrophy. 65th American Academy of Neurology Meeting, San Diego, March 2013. *Oral poster presentation tour.*
- 30) Jiang D, Hwang KS, Bordelon Y, **Apostolova LG**. Cortical Atrophy and Gene Expression in Parkinson's Disease with Mild Cognitive Impairment. American Geriatrics Society meeting, Grapevine, TX, May 2013. *Oral Presentation.*
- 31) Babakchanian S, Somme J, Honarpisheh H, Hwang K, Biado K, Tung S, Frew A, Alger J, Wisco J, Schettler SP, Zarow C, Vinters HV, **Apostolova LG**. The Relationship between hippocampal atrophy and neuropathology markers: a 7T study. Alzheimer Imaging Consortium, 16th Alzheimer's Association International Conference, Boston, MA, July 2013. *Oral Presentation.*
- 32) Blanken AE, Silverman DH, Torosyan N, Manne M, Durcanova B, Saykin A, Jack CR, **Apostolova LG**. BIN1 and CR1 Variants Affect Cognitive Performance, Neurodegeneration, and Brain Amyloidosis in ADNI Subjects. Alzheimer's Association International Conference, Copenhagen, July 2014. *Oral Presentation.*
- 33) **Apostolova LG**, Zarow C, Biado K, Babakchanian S, Boccardi M, Somme J, Honarpisheh H, Blanken A, Brook J, Tung S, Ng D, Alger J, Vinters H, Bocchetta M, Duvernoy H, Jack CR, Frisoni G. Pathologic Validation of the EADC-ADNI Harmonized Hippocampal Protocol. Alzheimer's Association International Conference, Copenhagen, July 2014. *Oral Presentation.*
- 34) Porat S, Hwang KS, Goukasian N, Woo E, Zanto T, **Apostolova LG**. Personal Experience with Dance and Cortical Gray Matter Thickness in the Cognitively Normal and Mild Cognitive Impaired Elderly. 2014 Bay Area Memory Meeting, August 2014. *Oral Presentation.*
- 35) Lazaris A, Hwang K, Eastman J, Teng E, Thompson PM, Gyls K, Cole G, **Apostolova LG**. AD Risk Gene Minor Alleles Modulate the Relationship Between Plasma ApoE and PiB Binding in the Brain. 12th International Conference on Alzheimer's and Parkinson's Disease (AD/PD) meeting, Nice, France, March 2015. *Oral Presentation.*
- 36) **Apostolova LG**, Hwang KS, Avila D, Elashoff D, Kohannim O, Teng E, Sokolow S, Jack CR, Jagust WJ, Shaw L, Trojanowski JQ, Weiner MW, Thompson PM. Brain amyloidosis can be ascertained from cognitive, imaging and peripheral blood protein measures. 12th Annual World Congress of Society for Brain Mapping and Therapeutics, Los Angeles, March 2015. *Oral presentation.*
- 37) Porat S, Hwang KS, Woo E, Zanto T, Goukasian N, **Apostolova LG**. Effect of Lifetime Experience with Dance on Memory Performance and Cortical Gray Matter Thickness in Cognitively Normal and Mild Cognitive Impaired Elderly. 67th American Academy of Neurology Meeting, Washington DC, April 2015. *Oral Presentation.*
- 38) Goukasian N, Woo E, Blanken AE, Hwang KS, Porat S, Rodriguez G, Ringman J, **Apostolova LG**. Associations between cortical thickness and hippocampal volume with metacognition. 67th American Academy of Neurology Meeting, Washington DC, April 2015. *Oral Presentation.*
- 39) Blanken AE, Avila D, Goukasian N, Wilhalme H, Ringman J, **Apostolova LG**. Cognitive decline, ventricular enlargement, and hippocampal atrophy in mild cognitive impairment. 67th American Academy of Neurology Meeting, Washington DC, April 2015. *Oral Presentation.*

- 40) Hawkins C, Hwang K, Goukasian N, **Apostolova LG**. Genetic Effects on Flutemetamol Uptake and its Diagnostic Implications in Alzheimer's Disease. UCLEADS Leadership & Research symposium, Merced CA. July 2015. *Outstanding Research Poster Award*.
- 41) Benitez A, Gross A, **Apostolova LG**. Item Response Theory Analysis of the Montreal Cognitive Assessment from the Alzheimer's disease Neuroimaging Initiative. Alzheimer's Association International Conference, Washington DC, July 2015. *Oral Presentation*.
- 42) **Gyls K**, Bilousova T, Teng E, Vinters HV, Miller CA, Poon WW, **Apostolova LG**, Frautschy SA, John V, Bredesen DA, Cole G. Release of c-Terminal Truncated and Intact Tau from AD Cortical Synapses. Alzheimer's Association International Conference, Washington DC, July 2015. *Oral presentation*.
- 43) Goukasian N, Do T, Grotts J, Silverman D, Elashoff D, **Apostolova LG**. FERMT2 Is Associated with Brain Amyloidosis in Cognitively Normal and Mild Cognitive Impairment Subjects. 68th American Academy of Neurology Meeting, Vancouver, Canada, April 2016. *Oral Presentation*.
- 44) **Apostolova LG**, Goukasian N, Risacher S, Duran T, West J, Do T, Grotts J, Nho K, Elashoff D, Saykin A. Regional and stage-specific association of multiple AD risk variants with brain amyloidosis. OHBM meeting, Geneva, Switzerland, June 2016. *Oral Presentation*.
- 45) Duran T, Risacher S, Goukasian N, West J, Do T, Grotts J, Nho K, Elashoff D, Saykin A, **Apostolova LG**. The effects of the top 20 Alzheimer's disease risk genes on brain atrophy. Alzheimer's Association International Conference, Toronto, Canada, July 2016. *Oral Presentation*.
- 46) **Apostolova LG**, Goukasian N, Risacher S, Duran T, West J, Do T, Grotts J, Nho K, Elashoff D, Saykin A. Alzheimer's disease risk genes can predict brain amyloidosis. Alzheimer's Association International Conference, Toronto, Canada, July 2016. *Oral Presentation*.
- 47) Goukasian N, Do T, Grotts J, Silverman D, Ringman J, Elashoff D, **Apostolova LG**. Effects of Cortical Amyloid β Deposition on the Incidence and Prevalence of Neuropsychiatric Behaviors in the Elderly. Alzheimer's Association International Conference, Toronto, Canada, July 2016. *Oral Presentation*.
- 48) Nho K, Kim S, Risacher S, **Apostolova LG**, Lin K, Keohane A, Lunnon K, Hodges A, Allen M, Wang X, Burgess J, Taner N, Petersen RC, Soares HD, Singh P, Wang L, Qi Z, He A, Neuhaus I, Patel V, Foroud T, Faber K, Lovestone S, Simmons A, Weiner ME, Saykin AJ. Genome-Wide Meta-Analysis of Transcriptome Profiling Identifies Novel Dysregulated Genes Implicated in Alzheimer's Disease. Alzheimer's Association International Conference, Toronto, Canada, July 2016. *Oral Presentation*.
- 49) Mustafa R, Rabinovici G, Dickerson B, Carrillo M, Glazier B, Gao S, Tierney M, Fargo K, Brosch J, Austrom M, De Santi S, **Apostolova LG**. Patient and caregiver views on amyloid PET imaging. ADPD meeting, Vienna Austria, March 2017. *Oral Presentation*.
- 50) **Apostolova LG**, Lane KA, Rabinovici G, Dickerson B, Carrillo M, Gao S. Data-driven cluster analysis of neuropsychological data identifies several cognitive subtypes in early onset cognitive impairment. 69th American Academy of Neurology Meeting, Boston MA, April 2017. *Walking poster tour*.
- 51) Mustafa R, Rabinovici G, Dickerson B, Carrillo M, Glazier B, Gao S, Tierney M, Fargo K, Brosch J, Austrom M, De Santi S, **Apostolova LG**. Patient and caregiver views on amyloid

PET imaging. 69th American Academy of Neurology Meeting, Boston MA, April 2017. *Walking poster tour.*

- 52) Phillips M, Stage E, Lane KA, Gao S, Risacher SL, Saykin AJ, **Apostolova LG**. Neurodegenerative Patterns of Cognitive Clusters of Early Onset AD Subjects – Evidence for Disease Heterogeneity. Alzheimer's Association International conference, London, UK, July 2017. *Oral Presentation.*
- 53) Wu YC, Mustafi, SM, Harezlak J, Gandhi PK, Risacher SL, West JD, Tallman E, O'Neill DP, Farlow, MR, Unverzagt FW, **Apostolova LG**, Saykin AJ, Wu Y. Axonal Density Associated with Cognitive Change Index in Older Adults with Subjective Cognitive Decline (SCD). Alzheimer's Association International Conference, London, UK, July 2017. *Oral Presentation.*
- 54) Stage E, Svaldi, D, Phillips M, Duran T, Risacher SL, Saykin AJ, **Apostolova LG**. [18F]-AV-1451 Binding Profile in early and late-onset Alzheimer's Disease and Suspected Non-Alzheimer Pathophysiology. Alzheimer's Association International Conference, Chicago, IL, USA, July 2018; *Oral presentation.*
- 55) Svaldi DO, Goni J, Amico E, Dzemic M, West JD, Risacher S, Saykin A, **Apostolova LG**. Stability, Specificity, and Generalizability of Connectome Predictive Modeling of Cognitive Changes in Alzheimer's Disease. 2019 NetSci Conference, Burlington, VT, May 2019. *Oral presentation.*
- 56) Stage E, Svaldi D, Phillips M, Duran T, Rischer SL, Saykin AJ, **Apostolova LG**. Early and Late-onset Alzheimer's disease and Suspected Non-Alzheimer Pathophysiology within the A/T/N framework. 2019 Alzheimer's Association International Conference, Los Angeles, CA, July 2019. *Oral presentation.*
- 57) Stage E, Risacher SL, Goukasian N, Nho K, Saykin AJ, **Apostolova LG**. Global cortical [F18]Flortaucipir association with the top 20 Alzheimer's disease risk genes. 2019 Alzheimer's Association International Conference, Los Angeles, CA, July 2019. *Oral presentation.*
- 58) Sanjay A, Hwang K, Svaldi D, Hussainali R, Duran T, Goukasian N, **Apostolova LG**. Predicting brain amyloidosis using peripheral blood-based gene expression and early stage neurodegeneration biomarkers. 2019 Alzheimer's Association International Conference, Los Angeles, CA, July 2019. *Oral presentation.*
- 59) **Apostolova LG**. Study design and clinical characteristics of the LEADS cohort. 2020 Alzheimer's Association International Conference, Amsterdam, Netherlands, July 2020. *LEADS: Sporadic Early-Onset Alzheimer's Disease in the Spotlight Featured Topics session.*
- 60) Rabinovici GD, Laccarino L, La Joie R, Lesman-Segev O, Soleimani-Meigooni D, Provost K, Collins J, Aisen P, Borowski B, Eloyan A, Fagan A, Foroud T, Gatsonis C, Jack C, Kramer J, Saykin AJ, Toga A, Vemuri P, Day G, Graff-Radford N, Honig L, Jones D, Masdeu J, Mendez M, Onyike C, Rogalski E, Salloway S, Wolk D, Wingo T, Koeppe R, Dickerson B, Carrillo M, **Apostolova LG**. Amyloid tau PET in sporadic early-onset Alzheimer's Disease: preliminary results from LEADS. 2020 Alzheimer's Association International Conference, Amsterdam, Netherlands, July 2020. *LEADS: Sporadic Early-Onset Alzheimer's Disease in the Spotlight Featured Topics session.*
- 61) Groh J, Stage E, Logan P, Iaccarino L, La Joie R, Aisen P, Eloyan A, Fagan A, Foroud T, Gatsonis C, Jack C, Kramer J, Koeppe R, Saykin AJ, Toga A, Vemuri P, Day G, Graff-Radford N, Honig L, Jones D, Masdeu J, Mendez M, Onyike C, Rogalski E, Carrillo M,

Dickerson B, **Apostolova LG**. Sex-associated differences in pathology burden in early-onset Alzheimer's disease. 2020 Alzheimer's Association International Conference, Amsterdam, Netherlands, July 2020. *Oral presentation*.

62) **Apostolova LG**, Iaccarino L, Collins J, Aisen P, Borowski B, Eloyan A, Fagan A, Foroud T, Gatsonis C, Jack C, Kramer J, Koeppe R, Saykin A, Toga A, Vemuri P, Day G, Graff-Radford N, Honig L, Jones D, Masdeu J, Mendez M, Onyike C, Rogalski E, Salloway S, Wolk D, Wingo TS, Rabinovici G, Dickerson B, Carrillo MC. Advancing Clinical and Biomarker Research in AD: The LEAD Study. 2020 Conference on Alzheimer's Disease International, Singapore, November 2020. *Oral presentation*.

Poster Presentations at International Meetings:

- 1) **Apostolova LG**, Dinov ID, Toga AW, Cummings JL. Mapping Apathy in Alzheimer's Disease, 56th American Academy of Neurology meeting, San Francisco, April, 2004.
- 2) **Apostolova LG**, Thompson PM, Hayashi KM, Dinov ID, Cummings JL. Neocortical atrophy pattern predictive of conversion of mild cognitive impairment to Alzheimer dementia, 11th Annual Meeting of the Organization for Human Brain Mapping, Toronto, Canada, July, 2005.
- 3) **Apostolova LG**, Thompson PM, Dutton RA, Dinov ID, Cummings JL. Hippocampal size can predict outcome in mild cognitive impairment, 11th Annual Meeting of the Organization for Human Brain Mapping, Toronto, Canada, July 2005.
- 4) **Apostolova LG**, Thompson PM, Toga AW, Cummings JL. Gray matter atrophy patterns in mild cognitive impairment endophenotypes, 130th Annual Meeting of the American Neurological Association, San Diego, CA, September 2005.
- 5) **Apostolova LG**, Thompson PM, Dutton RA, Dinov ID, Cummings JL. Hippocampal atrophy maps can predict conversion of mild cognitive impairment to Alzheimer's disease, 130th Annual Meeting of the American Neurological Association, San Diego, CA, September 2005.
- 6) **Apostolova LG**, Thompson PM, Hayashi K, Dinov ID, Cummings JL. Cortical atrophy can predict conversion from mild cognitive impairment to Alzheimer's disease, 130th Annual Meeting of the American Neurological Association, San Diego, CA, September 2005.
- 7) **Apostolova LG**, Steiner CA, Akopyan GG, Toga AW, Cummings JL, Thompson PM. Gray matter atrophy in mild cognitive impairment and mild Alzheimer's disease. 58th American Academy of Neurology Meeting, San Diego, CA, April 2006.
- 8) Cummings JL, **Apostolova LG**, Akopyan GG, Steiner CA, Partiali N, Toga AW, Thompson PM. Structural correlates of apathy in Alzheimer's disease. 58th American Academy of Neurology Meeting, San Diego, CA, April 2006.
- 9) **Apostolova LG**, Lu P, Rogers S, Dutton RA, Toga AW, Cummings JL, Thompson PM. 3D mapping of language impairments in clinical and pre-clinical Alzheimer's disease. 12th Annual Meeting of the Organization for Human Brain Mapping, Florence, Italy, June 2006.
- 10) **Apostolova LG**, Lu P, Rogers S, Dutton RA, Toga AW, Cummings JL, Thompson PM. 3D mapping of Mini-Mental State Examination performance in clinical and pre-clinical Alzheimer's disease. 12th Annual Meeting of the Organization for Human Brain Mapping, Florence, Italy, June 2006.

- 11) **Apostolova LG**, Rogers SA, Dinov ID, Thompson PM, Zoumalan C, Steiner CA, Siu E, Dutton RA, Hayashi KM, Small GW, Cummings JL, Toga AW, Phelps ME, Silverman DHS. MR-guided 3D PET mapping of longitudinal changes in regional metabolism of nondemented elderly. 10th International Conference on Alzheimer's Disease and Related Disorders, Madrid, Spain, July 2006.
- 12) **Apostolova LG**, Clark DG, Zoumalan C, Steiner CA, McMurthray A, Dutton RA, Hayashi KM, Toga AW, Cummings JL, Mendez MF, Thompson PM. 3D mapping of gray matter atrophy in semantic dementia and frontal variant frontotemporal dementia. 10th International Conference on Alzheimer's Disease and Related Disorders, Madrid, Spain, July 2006.
- 13) Ringman JM, O'Neill J, Tseng B, **Apostolova LG**, Geschwind D, Shaffer B, Rodriguez Y, Medina L, Cummings JL, Bartzokis G. Decreased fractional anisotropy in the fornix of presymptomatic carriers of FAD mutations. 10th International Conference on Alzheimer's Disease and Related Disorders, Madrid, Spain, July 2006.
- 14) **Apostolova LG**, Lu P, Rogers S, Dutton RA, Hayashi KM, Toga AW, Cummings JL, Thompson PM. 3D mapping of verbal memory performance in clinical and pre-clinical Alzheimer disease, 131st Annual meeting of the American Neurological Association, Chicago, Illinois, October 2006.
- 15) Ringman JM, Dutton RA, Lai JC, Medina LD, **Apostolova LG**, Cummings JL, Thompson PM. Cortical thinning detected and visualized in the pre-clinical phase of familial Alzheimer's disease. 59th American Academy of Neurology Meeting, Boston, MA, April 2007 and the 2007 Annual Scientific Meeting of the American Geriatrics Society, Seattle, WA, May 2007.
- 16) **Apostolova LG**, Beyer MK, Green AE, Avedissian C, Hwang KS, Aarsland D, Janvin CC, Larsen JP, Cummings JL, Thompson PM. Hippocampal atrophy in Parkinson's disease patients with mild cognitive impairment. 60th American Academy of Neurology Meeting, Chicago, IL, April 2008.
- 17) **Apostolova LG**, Beyer MK, Green AE, Morra JH, Hwang KS, Aarsland D, Janvin CC, Larsen JP, Cummings JL, Thompson PM. Automated 3D mapping of caudate atrophy in Parkinson's disease with and without dementia. 14th Organization for Human Brain Mapping Meeting, Melbourne, Australia, June 2008.
- 18) Morra JH, Tu Z, **Apostolova LG**, Green AE, Avedissian C, Madsen SK, Parikshak N, Hua X, Toga AW, Jack CR, Schuff N, Weiner MW, Thompson PM. Mapping hippocampal degeneration in 400 subjects with a novel automated segmentation approach. 14th Organization for Human Brain Mapping Meeting, Melbourne, Australia, June 2008.
- 19) Thompson PM, **Apostolova LG**, Morra JH, Green AE, Hwang KS, Avedissian A, Parikshak N, Cummings JL, Toga AW, Jack CR, Weiner MW. Automated longitudinal 3D mapping of hippocampal ADAScog delayed recall effects in 293 normal elderly, MCI and AD subjects. Alzheimer's Imaging Consortium, 11th International Conference on Alzheimer's Disease and Related Disorders, Chicago, IL, July 2008.
- 20) **Apostolova LG**, Thompson PM, Green AE, Hwang K, Jack CR, Harvey D, Petersen RC, Thal LJ, Aisen P, Cummings JL, DeCarli C. 3D comparison of low, intermediate and advanced hippocampal atrophy in MCI. Alzheimer's Association 11th International Conference on Alzheimer's Disease and Related Disorders, Chicago, IL, July 2008.
- 21) **Apostolova LG**, Beyer MK, Green AE, Chou Y, Morra JH, Hwang KS, Aarsland D, Janvin CC, Larsen JP, Toga AW, Cummings JL, Thompson PM. Automated 3D mapping of caudate

- atrophy and ventricular enlargement in Parkinson's disease with and without dementia. 11th International Conference on Alzheimer's Disease, Chicago, IL, July 2008.
- 22) Morra JH, Tu Z, **Apostolova LG**, Green A, Toga AW, Thompson PM. Automatic Subcortical Segmentation Using a Novel Contextual Model. 11th International Conference on Medical Image Computing and Computer Assisted Intervention, New York, NY, September 2008.
- 23) **Apostolova LG**, Beyer MK, Green AE, Hwang KS, Morra JH, Chou Y, Avedissian C, Aarsland D, Janvin CC, Larsen JP, Toga AW, Cummings JL, Thompson PM. 3D mapping of hippocampal, caudate and ventricular changes in Parkinson's disease with and without dementia. 9th International Conference on Alzheimer's and Parkinson's Disease, Prague, Czech Republic, March 2009.
- 24) Andrawis JP, Hwang KS, Green AG, Ramirez A, Kotlerman J, Elashoff D, Morra JH, Thompson PM, Cummings JL, **Apostolova LG**. Hippocampal atrophy in patients with maternal history of Alzheimer's disease. 2009 Annual Meeting of the American Geriatrics Society, Chicago IL, April 2009.
- 25) Thompson PM, Hua X, Leow AD, Morra JH, **Apostolova LG**, Parikshak N, Lee S, Avedissian C, Madsen SK, Green AE, Klunder AD, Tu Z, Yanovsky I, Ho AJ, Toga AW, Jack CR, Bernstein MA, Britson PJ, Gunter JL, Ward CP, Borowski B, Shaw LM, Trojanowski JQ, Fleisher AS, Fox NC, Harvey D, Kornak J, Schuff N, Alexander GE, Weiner MW. Brain changes in 676 ADNI subjects: Summary of 10 studies using Tensor Based-Morphometry and Automated Hippocampal Mapping. ADNI Workshop. 61st American Academy of Neurology Meeting Seattle, WA: April 2009.
- 26) **Apostolova LG**, Green AE, Hwang KS, Cummings JL, Toga AW, Thompson PM. Mapping hippocampal atrophy in mild cognitive impairment and Alzheimer's disease. 61st American Academy of Neurology Meeting, Seattle, WA, April 2009.
- 27) **Apostolova LG**, Hwang KS, Andrawis J, Green AE, Babakchian S, Morra JH, Cummings JL, Toga AW, Jack CR, Weiner MW, Thompson PM. 3D mapping of associations between amyloid-PET and CSF biomarkers and hippocampal morphology in normal aging and Alzheimer's disease. 15th Organization for Human Brain Mapping Meeting, San Francisco, June 2009.
- 28) Morra JH, Tu Z, Apostolova LG, Green AE, Avedissian C, Madsen SK, Parikshak N, Toga AW, Jack CR, Schuff N, Weiner MW, Thompson PM. Automated Hippocampal Segmentation and Mapping Reveals Genetically Accelerated Tissue Loss in 1-year repeat MRI data from 490 Alzheimer's Disease, MCI, and Control Subjects. Organization for Human Brain Mapping, San Francisco, June 2009.
- 29) Beyer MK, **Apostolova LG**, Green AE, Hwang KS, Morra JS, Chou Y, Avedissioan C, Thompson PM, Janvin CC, Larsen JP, Cummings JL, Aarsland D. Automated 3D mapping of hippocampal and caudate atrophy and ventricular enlargement in Parkinson's disease with and without dementia. 13th International Congress of the Movement Disorders Society, Paris, France, June 2009.
- 30) Thompson PM, Hua X, Leow AD, Morra JH, **Apostolova LG**, Lee S, Avedissian C Madsen SK, Green AE, Toga AW, Jack CR, Shaw LM, Trojanowski JQ, Weiner MW. Brain changes in 676 ADNI subjects: Summary of 10 studies using Tensor Based-Morphometry and Automated Hippocampal Mapping. 12th International Conference on Alzheimer's Disease and Related Disorders, Vienna, Austria, July 2009.

- 31) Lu P, **Apostolova LG**, Hwang, KS, Green AE, Chung C, Thompson PM, Leow A, Lee G, Janvin, CC, Larsen, JP, Cummings, JL, Aarsland, D, Beyer MK. A Tensor Based Morphometry study of patients with cognitive impairment and dementia in Parkinson's disease. 12th International Conference on Alzheimer's Disease and Related Disorders, Vienna, Austria, July 2009.
- 32) Andrawis J, Hwang KS, Green AE, Babakchanian S, Morra JH, Cummings JL, Toga AW, Trojanowski J, Shaw L, Jack CR, Weiner MW, Thompson PM, **Apostolova LG**. 3D mapping of associations between Amyloid-PET and CSF biomarkers and hippocampal morphology. 12th International Conference on Alzheimer's Disease and Related Disorders, Vienna, Austria, July 2009.
- 33) **Apostolova LG**, Green AE, Babakchanian S, Hwang KS, Chou Y, Cummings JL, Toga AW, Thompson PM. Effects of age differences on ventricular enlargement when comparing cognitively normal elderly, mild cognitive impairment and Alzheimer's disease subjects. 12th International Conference on Alzheimer's Disease and Related Disorders, Vienna, Austria, July 2009.
- 34) Andrawis J, Hwang KS, Green AE, Morra JH, Kotlerman J, Ramirez A, Elashoff D, Cummings JL, Thompson PM, **Apostolova LG**. Accelerated hippocampal atrophy in subjects with maternal history of Alzheimer's disease. 2nd Annual Conference on Clinical Trials on Alzheimer's Disease, Las Vegas, NE, October 2009.
- 35) **Apostolova LG**, Hwang KS, Babakchanian S, Green AE, Sun D, Zoumalan C, Kanani R, Han HJ, Wang B, Cummings JL, Toga AW, Thompson PM. Statistical Map-based Classification of MCI and Alzheimer's disease using machine learning. 16th Organization for Human Brain Mapping Meeting, Barcelona, Spain, June 2010.
- 36) Beyer MK, Hwang KS, Babakchanian S, Thompson PM, Cummings JL, Mulugeta E, Larsen JP, Bronnick K, Aarsland D, Alves G, **Apostolova LG**. CSF Abeta and tau, hippocampal atrophy and lateral ventricle enlargement in Parkinson's disease with and without mild cognitive impairment. 13th International Conference on Alzheimer's Disease and Related Disorders and Imaging Consortium, Honolulu, Hawaii, July 2010.
- 37) Small GW, Suthana NA, Kepe V, Donix M, **Apostolova LG**, Barrio JR, Bookheimer SY. Combining neuroimaging and genetic measures for presymptomatic detection of neurodegeneration. 48th Annual Meeting of the American College of Neuropsychopharmacology, Miami Beach, December 2010.
- 38) Babakchanian S, Eastman JA, Hwang KS, Woo E, Green AE, Zoumalan C, Kanani R, Han HJ, Wang B, Thompson PM, **Apostolova LG**. Correlations between Cortical Gray Matter Thickness and Logical Memory. 63rd American Academy of Neurology Meeting, Honolulu, Hawaii, April 2011.
- 39) Eastman JA, Hwang KS, Babakchanian S, Ramirez L, Chow N, Thompson PM, **Apostolova LG**. The Relationship Between Cortical Thickness and Verbal Memory. 39th Annual Meeting of the International Neuropsychological Society, Boston, MA, February 2011.
- 40) **Apostolova LG**, Hwang KS, Kohannim O, Coppola G, Gao F, Cummings JL, Ringman J, Thompson PM. Automated diagnostic classifiers using imaging, genotyping and gene expression data. 17th Organization for Human Brain Mapping Meeting, Quebec City, Canada, June 2011.
- 41) **Apostolova LG**, Hwang KS, Kohannim O, Coppola G, Klein E, Gao F, Cummings JL, Thompson PM. Automated diagnostic classifiers using imaging, genotyping, and gene

expression data. 14th International Conference on Alzheimer's Disease and Related Disorders and Imaging Consortium, Paris, France, July 2011.

- 42) **Apostolova LG**, Hwang KS, Coppola G, Lee JJ, Gao F, Cummings JL, Thompson PM. Peripheral blood gene expression correlates of cortical atrophy across cognitively normal elderly and MCI. 14th International Conference on Alzheimer's Disease and Related Disorders and Imaging Consortium, Paris, France, July 2011.
- 43) Beyer MK, Bronnick K, Hwang KS, Tysnes OB, Alves G, Larsen JP, Thompson PM, **Apostolova LG**. Memory impairment is associated with hippocampal atrophy in newly diagnosed Parkinson's disease. 14th International Conference on Alzheimer's Disease and Related Disorders and Imaging Consortium, Paris, France, July 2011.
- 44) Chow N, Hwang KS, Teng E, Thompson PM, Gyls K, Cole G, Jack CR, Shaw L, Trojanowski J, Soares H, Weiner M, **Apostolova LG**. Low serum levels of ApoE associate with hippocampal atrophy in the ADNI cohort. 14th International Conference on Alzheimer's Disease and Related Disorders and Imaging Consortium, Paris, France, July 2011.
- 45) Chow N, Hwang KS, Ringman J, Teng E, Thompson PM, Gyls K, Cole G, Jack CR, Shaw L, Trojanowski J, Soares H, Weiner M, **Apostolova LG**. Plasma protein associations with hippocampal atrophy across the cognitive spectrum from normal aging to Alzheimer's disease. 14th International Conference on Alzheimer's Disease and Related Disorders and Imaging Consortium, Paris, France, July 2011.
- 46) Hwang KS, Woo E, Green AE, Wright MJ, LaRocca M, Thompson PM, **Apostolova LG**. Semantic clustering and hippocampal atrophy in mild cognitive impairment and Alzheimer's disease. 14th International Conference on Alzheimer's Disease and Related Disorders and Imaging Consortium, Paris, France, July 2011.
- 47) Hwang KS, Gyls K, Taylor K, Thompson PM, Cole GM, Cummings JL, **Apostolova LG**. Plasma BDNF associations with cortical thickness in normal controls and mild cognitive impairment. 14th International Conference on Alzheimer's Disease and Related Disorders and Imaging Consortium, Paris, France, July 2011.
- 48) Babakchanian S, Hwang KS, Woo E, Green AE, LaRocca M, Zoumalan C, Kanani R, Han HJ, Wang B, Thompson PM, **Apostolova LG**. Verbal Memory Associations with Cortical Thickness. 14th International Conference on Alzheimer's Disease and Related Disorders and Imaging Consortium, Paris, France, July 2011.
- 49) Babakchanian S, Woo E, Wright M, Green AE, LaRocca M, Zoumalan C, Wang B, Thompson PM, **Apostolova LG**. The Role of Cortical Thickness in Memory and Strategy Use in Older Adults. 14th International Conference on Alzheimer's Disease and Related Disorders and Imaging Consortium, Paris, France, July 2011.
- 50) Babakchanian S, Hwang KS, Coppola G, Klein E, Lane J, Johnson S, Thompson PM, Lee JJ, Cummings JL, **Apostolova LG**. TOMM40 rs2075650, TOMM40 rs157580 and TOMM40 PolyT Polymorphism Effects on Ventricular Enlargement in Individuals with and without Mild Cognitive Impairment. 14th International Conference on Alzheimer's Disease and Related Disorders and Imaging Consortium, Paris, France, July 2011.
- 51) Medina LD, Nguyen P, Teng E, Lu PH, Wright MJ, **Apostolova LG**, Hwang K, Babakchanian S, Woo E. Memory Strategy Use in Mild Cognitive Impairment and Alzheimer's Disease. 14th International Conference on Alzheimer's Disease and Related Disorders and Imaging Consortium, Paris, France, July 2011.

- 52) Ringman JM, Babakchanian S, Braskie MN, Hwang K, Thompson PM, Coppola G, **Apostolova LG**. Increase in Caudate Size with Age in Carriers of the A431E PSEN1 Mutation. 14th International Conference on Alzheimer's Disease and Related Disorders and Imaging Consortium, Paris, France, July 2011.
- 53) Grill JD, Di L, Elashoff D, Lu PH, Kohannim O, **Apostolova LG**, Ringman JM, Cummings JL, Thompson PM, the Alzheimer's Disease Neuroimaging Initiative. Estimating sample sizes for predementia Alzheimer's disease clinical trials based on the Alzheimer's Disease Neuroimaging Initiative. 4th Annual Clinical Trials in Alzheimer's Disease, San Diego, CA, October 2011.
- 54) Honarpisheh H, Hwang KS, Biado K, Frew A, Vinters HV, Wisco J, Schettelet SP, **Apostolova LG**. Ex vivo pathologic validation of a surface based 7T MRI imaging system in Alzheimer's disease. 2011 Society for Neuroscience Meeting, Washington DC, November 2011.
- 55) Ben-Ami J, Yanez G, Lizarraga NN, Wright MJ, Lu PH, **Apostolova LG**, Ringman J, Cummings JL, Woo E. The Impact of Memory Strategy Use on Activities of Daily Living in Mild Cognitive Impairment. 2012 International Neuropsychological Society Meeting, Montreal, Canada, Feb 2012.
- 56) Fritze F, Chow N, Honarpisheh H, Beyer MK, Rongve A, Thompson PM, **Apostolova LG**, Aarsland D. Hippocampal volume and depression in mild dementia. 27th Alzheimer's Disease International Conference, London, UK, March 2012.
- 57) Chow N, Green AE, Hwang KS, Jack CR, Thompson PM, **Apostolova LG**. Comparison of automated and manual hippocampal segmentation. 64th American Academy of Neurology Meeting, New Orleans, April 2012.
- 58) Babakchanian S, Woo E, Kebets V, Green AE, Zoumalan C, Wang B, Thompson PM, **Apostolova LG**. Age Effects on Cortical Thickness in Cognitively Normal Elderly Individuals. 64th American Academy of Neurology Meeting, New Orleans, April 2012.
- 59) Boccardi M, Bocchetta M, **Apostolova LG**, Barnes J, et al. Delphi consensus on landmarks for the manual segmentation of the hippocampus on MRI: preliminary results from the EADC-ADNI Harmonized Protocol working group. 64th American Academy of Neurology Meeting, New Orleans, April 2012.
- 60) **Apostolova LG**, Di LJ, Tseng CH, Fairbanks L, Elashoff D, Cummings JL. Comparison of the prevalence of neuropsychiatric behaviors between amnesic and nonamnesic MCI subjects. 15th Alzheimer Association International Conference, Vancouver, Canada, July 2012.
- 61) **Apostolova LG**, Di LJ, Tseng CH, Fairbanks L, Elashoff D, Cummings JL. Behavioral Reserve in Mild Cognitive Impairment and Mild Alzheimer's Disease. 15th Alzheimer Association International Conference, Vancouver, Canada, July 2012.
- 62) **Apostolova LG**, Hwang KH, Kohannim O, Jack CR, Shaw L, Trojanowski JQ, Weiner MW, Thompson PM. Predicting brain amyloidosis in MCI using clinical, cognitive, imaging and peripheral blood protein measures. 15th Alzheimer Association International Conference, Vancouver, Canada, July 2012.
- 63) Woo E, Ben-Ami J, Lin B, Obermeit L, Romero E, Amaya S, Siders CA, Lu PH, Ringman J, **Apostolova LG**, Wright MJ. Encoding deficits in mild cognitive impairment predict activities of daily living. 15th Alzheimer Association International Conference, Vancouver, Canada, July 2012.

- 64) Eastman JA, Hwang KS, Babakchanian S, Lazaris A, Chow N, Ramirez L, Thompson PM, **Apostolova LG**. 3D Mapping of Verbal Memory in Clinical and Pre-Clinical Alzheimer's Disease. American Psychological Association Conference, August 2012.
- 65) Boccardi M, Bocchetta M, **Apostolova LG**, Barnes J, Bartzokis G, Corbetta G, deCarli C, deToledo-Morrell L, Firbank M, Ganzola R, Gerritsen L, Henneman W, Killiany RJ, Malykhin N, Pasqualetti P, Pruessner JC, Redolfi A, Robitaille N, Soininen H, Tolomeo D, Wang L, Watson C, Wolf H, Duchesne S, Jack CR Jr, Frisoni GB. Definition of Harmonized Protocol for Hippocampal Segmentation. 5th Clinical Trails Conference on Alzheimer's Disease, Monte Carlo, October 29-31, 2012
- 66) Eastman JA, Hwang KH, Lazaris A, Chow N, Ramirez L, Babakchanian S, Woo E, **Apostolova LG**. 3D Mapping of Verbal Fluency in Alzheimer's Disease. 41 Annual International Neuropsychological Society Meeting, Waikaloa, Hawaii, February 6-9, 2013.
- 67) Izaguirre B, Ben-Ami J, McLaughlin P, Rajagopal M, He A, **Apostolova LG**, Ringman JM, Tingus KD, Woo E. The Cognitive Foundations of Memory Strategy Use in Mild Cognitive Impairment. 41 Annual International Neuropsychological Society Meeting, Waikaloa, Hawaii, February 6-9, 2013.
- 68) Ben-Ami J, Izaguirre B, McLaughlin P, Lin B, Maurer M, **Apostolova LG**, Ringman JM, Tingus KD, Wright MJ, Woo E. The Roles of Semantic and Serial Clustering in Everyday Functioning in Mild Cognitive Impairment. 41 Annual International Neuropsychological Society Meeting, Waikaloa, Hawaii, February 6-9, 2013.
- 69) Boccardi M, Bocchetta M, **Apostolova LG**, et al. Definition of Harmonized Protocol for Hippocampal Segmentation. 11th International Conference on Alzheimer's and Parkinson's Diseases, Florence, Italy, March 2013.
- 70) Boccardi M, Bocchetta M, **Apostolova LG**, Ganzola R, Preboske G, Wolf D, Pasqualetti P, Robitaille N, Duchesne S, Jack CR, Frisoni GB. EADC-ADNI Benchmark Images of Harmonized Hippocampal Segmentation. 65th American Academy of Neurology Meeting, San Diego, March 2013.
- 71) **Apostolova LG**, Hwang KH, Kohanim O, Jack CR, Shaw L, Trojanowski JQ, Weiner MW, Thompson PM. Presence of brain amyloidosis can be ascertained from cognitive, imaging and peripheral blood protein measures. 65th American Academy of Neurology Meeting, San Diego, March 2013.
- 72) Eastman JA, Hwang KH, Lazaris A, Chow N, Ramirez L, Babakchanian S, Woo E, Thompson PM, **Apostolova LG**. The Relationship Between Cortical Thickness and Semantic Fluency. 65th American Academy of Neurology Meeting, San Diego, March 2013.
- 73) Babakchanian S, Chow N, Green AE, Somme JH, Hwang KS, Jack CR, Thompson PM, **Apostolova LG**. Automated and Manual Hippocampal Segmentation Techniques: A Comparison of Results and Reproducibility. 65th American Academy of Neurology Meeting, San Diego, March 2013.
- 74) Chow N, Hwang KS, Babakchanian S, Thompson PM, Jack CR, Weiner MW, **Apostolova LG**. Comparing 3T and 1.5T MRI for Mapping Hippocampal Atrophy in the Alzheimer's Disease Neuroimaging Initiative (ADNI). 65th American Academy of Neurology Meeting, San Diego, March 2013.
- 75) Duchesne S, Valdivia F, Robitaille N, Mouha A, Valdivia A, Bocchetta M, **Apostolova LG**,

Ganzola R, Preboske G, Wolf D, Boccardi M, Jack CR, Frisoni GB. Manual Segmentation Qualification Platform for the EADC-ADNI Harmonized Protocol for Hippocampal Segmentation Project, ISMMR 2013, Salt Lake City, April 2013.

- 76) Scott T, Avila J, Woo E, **Apostolova LG**, Ringman J, Lu P, Razani J. Classifying Individuals with MCI and Healthy Elderly With a Daily Activities Task. 25th Annual Convention of the Association for Psychological Science, Washington DC, May 2013.
- 77) Chow N, Hwang KS, Babakchian S, Thompson PM, Jack CR, Weiner MW, **Apostolova LG**. Mapping Hippocampal Atrophy in 3T and 1.5T MRI. 19th OHBM Meeting, Seattle, June 2013.
- 78) Boccardi M, Robitaille N, Valdivia F, Bocchetta M, Bauer C., Blair M., Burton E, Cavedo E, Christensen A, Frederiksen KS, Grothe MJ, Lanfredi M, Liu Y, Martinez O, Nishikawa M, Portegies M, Pronk M, Stoub T, Swihart T, Ward C, **Apostolova LG**, Ganzola R, Preboske G, Wolf D, Jack CR, Duchesne S, Frisoni GB. Training for Manual Hippocampal Segmentation based on the EADC-ADNI Harmonized Protocol. 16th Alzheimer Association International Conference, Boston, MA July 2013.
- 79) Clark DG, Hwang K, McLaughlin P, Babakchian S, Woo E, **Apostolova LG**. Gray Matter Correlates of Alzheimer's Risk as Quantified With Latent Information in Semantic Fluency Lists. 16th Alzheimer Association International Conference and Alzheimer Imaging Consortium, Boston, MA, July 2013.
- 80) Babakchian S, Somme J, Honarpisheh H, Hwang K, Biado K, Tung S, Frew A, Alger J, Wisco J, Schettler SP, Zarow C, Vinters HV, **Apostolova LG**. The Relationship between hippocampal atrophy and neuropathology markers: a 7T study. 16th Alzheimer Association International Conference, Boston, MA, July 2013.
- 81) **Apostolova LG**, Hwang KS, Ramirez LM, Sears R, Klein E, Gao F, Horvath S, Thompson PM, Cummings JL, Coppola G. A gene co-expression module in peripheral blood correlates with hippocampal atrophy in elderly subjects. 16th Alzheimer Association International Conference and Alzheimer Imaging Consortium, Boston, MA, July 2013.
- 82) Hwang KS, Lazaris A, Eastman J, Teng E, Koeppe RA, Thompson PM, Gylys K, Cole G, Jack CR, Jr., Shaw L, Soares H, Trojanowski J, Weiner MW, **Apostolova LG**. Peripheral blood plasma protein levels associate with Pittsburgh compound B binding in the brain. 16th Alzheimer Association International Conference and Alzheimer Imaging Consortium, Boston, MA, July 2013.
- 83) Woo E, McLaughlin P, Ben-Ami J, Izaguirre B, Wright MJ, Tingus K, **Apostolova LG**, Ringman JM. Spontaneous use and incidental learning of an effective memory strategy in mild cognitive impairment. 16th Alzheimer Association International Conference and Alzheimer Imaging Consortium, Boston, MA, July 2013.
- 84) Duchesne S, Valdivia F, Robitaille N, Valdivia A, **Apostolova LG**, Bocchetta M, Ganzola R, Preboske G, Wolf D, Boccardi M, Jack CR Jr, Frisoni GB, for the EADC-ADNI Working Group on The Harmonized Protocol for Hippocampal Volumetry and for the Alzheimer's Disease Neuroimaging Initiative. Manual segmentation certification platform for the EADC-ADNI Harmonized Protocol for Hippocampal Volumetry Project. 16th Alzheimer Association International Conference and Alzheimer Imaging Consortium, Boston, MA, July 2013.
- 85) Eastman JA, Hwang KH, Babakchian S, Lazaris A, Chow N, Ramirez L, Thompson PM, **Apostolova LG**. The relationship between cortical thickness and verbal memory. 166th Annual Meeting of the American Psychological Association, Orlando FL, August 2013.

- 86) Sokolow S, Hwang KS, Teng E, Lazaris A, Eastman J, Thompson PT, Jack CR, Shaw LM, Trojanowski JQ, Soares HD, Weiner MW, **Apostolova LG**. Plasma biomarkers associated with the apolipoprotein E (APOE) genotype and Amyloid-beta imaging. CTAD, San Diego, November 2013.
- 87) Izaguirre B, Mar D, McLaughlin PM, Wright MJ, **Apostolova LG**, Ringman JM, Woo E. Metacognition in Mild Cognitive Impairment and Alzheimer's disease. 42 Annual International Neuropsychological Society Meeting, Seattle, February 2014.
- 88) McLaughlin PM, Izaguirre B, **Apostolova LG**, Ringman JM, Wright MJ, Tingus KD, Woo E. Variability in Verbal Fluency Performance and Everyday Functioning in Mild Cognitive Impairment and Alzheimer's disease. 42 Annual International Neuropsychological Society Meeting, Seattle, February 2014.
- 89) Flowers A, Avila J, Razani J, **Apostolova LG**, Woo E, Ringman J. Performance of Patients with Different Subtypes of Mild Cognitive Impairment on Activities of Daily Living Tasks. 42 Annual International Neuropsychological Society Meeting, Seattle, February 2014.
- 90) **Apostolova LG**, Zarow C, Biado K, Hurtz S, Boccardi M, Somme J, Honarpisheh H, Blanken AE, Brook J, Tung S, Ng D, Alger JA, Vinters HV, Bocchetta M, Duvernoy H, Jack CR, Frisoni GB. Pathologic Validation of the EADC-ADNI Harmonized Hippocampal Protocol. 66th American Academy of Neurology Meeting, Boston, April 2014.
- 91) Blanken AE, Beyer MK, Tysnes OB, Alves G, Larsen JP, **Apostolova LG**. Environmental Predictors of Cognitive Impairment in Parkinson's disease. 66th American Academy of Neurology Meeting, Boston, April 2014.
- 92) **Apostolova LG**, Hurtz S, Blanken A, Zarow C, Biado K, Somme J, Honarpisheh H, Tung S, Ng D, Alger J, Vinters H, Boccardi M, Bocchetta M, Frisoni G, Thompson P. Pathologic Validation of Hippocampal Radial Distance Surface Mapping Technique. Alzheimer's Association International Conference, Copenhagen, July 2014.
- 93) Zhou Y, Ortiz F, Nuñez C, Elashoff D, Woo E, **Apostolova LG**, Wolf S, Ringman JM. Adjustment of MoCA Scores in Spanish-Speaking Population with Varied Levels of Education. Alzheimer's Association International Conference, Copenhagen, July 2014.
- 94) Lazaris A, Hwang K, Eastman J, Teng E, Thompson PM, Gylys K, Cole G, **Apostolova LG**. AD Risk Gene Minor Alleles Modulate the Relationship Between Plasma ApoE and PiB Binding in the Brain. Alzheimer's Association International Conference, Copenhagen, July 2014.
- 95) Benitez A, Gross AL, **Apostolova LG**, Lu PH. Item Response Theory Analysis of the Montreal Cognitive Assessment. Alzheimer's Association International Conference, Copenhagen, July 2014.
- 96) Avila D, Babakchanian S, Blanken AE, Hwang K, Coppola G, **Apostolova LG**. Effects on Ventricular Enlargement When Comparing Cognitively Normal Elderly, Mild Cognitive Impairment with Alzheimer's Disease Subjects. Alzheimer's Association International Conference, Copenhagen, July 2014.
- 97) LeClair H, Woo E, Elashoff D, Zhou Y, Ringman JM, **Apostolova LG**. A Comparison of Composite Indices for Predicting Cognitive Decline. Alzheimer's Association International Conference, Copenhagen, July 2014.
- 98) Flowers A, Avila J, Razani J, Woo E, Ringman JM, **Apostolova LG**. One-Year Follow Up Examination of Functional Status on an Activity of Daily Living Task in Mild Cognitive

Impairment and Alzheimer's Disease. Alzheimer's Association International Conference, Copenhagen, July 2014.

- 99) Ringman JM, Wharton D, Zhou Y, Kremen S, **Apostolova LG**, Woo E, Teng E. Depression and apathy are more common in early familial Alzheimer disease than in late-onset Alzheimer disease. Alzheimer's Association International Conference, Copenhagen, July 2014.
- 100) Sokolow S, Li X, Taylor KD, Rotter JI, Aisen P, **Apostolova LG**. A single nucleotide polymorphism in *UBR5* (ubiquitin protein ligase E3 component n-recognin 5) associated with disease progression may contribute to donepezil non-response in subjects with mild cognitive impairment. CTAD, Philadelphia, November 2014.
- 101) Porat S, Hwang KS, Goukasian N, Woo E, Zanto T, **Apostolova LG**. Personal Experience with Dance and Cortical Gray Matter Thickness in the Cognitively Normal and Mild Cognitive Impaired Elderly. 2015 INS Meeting, Denver, CO, February 2015.
- 102) Blanken AE, Avila D, Goukasian N, LeClair H., Ringman J, Woo E, **Apostolova LG**. Cognitive decline, ventricular enlargement, and hippocampal atrophy in mild cognitive impairment. 2015 INS Meeting, Denver, CO, February 2015.
- 103) De Leon F, Wright MJ, Rodriguez G, Evans J, He A, **Apostolova LG**, Ringman J, Woo E. Contingency-Based Prospective Memory in Mild Cognitive Impairment and Dementia. 2015 INS Meeting, Denver, CO, February 2015.
- 104) De Leon F, Rodriguez G, Evans J, Hanulik I, Tingus KD, Ringman JM, **Apostolova LG**, Wright MJ, Woo E. Prospective Memory and Functional Abilities in Healthy Aging and Mild Cognitive Impairment. 2015 INS Meeting, Denver, CO, February 2015.
- 105) Medina LD, De Leon F, Rodriguez G, Evans J, Wright MJ, **Apostolova LG**, Ringman J, Woo E. The Impact of Dysexecutive Symptoms on Prospective Memory in Healthy Aging, Mild Cognitive Impairment, and Dementia. 2015 INS Meeting, Denver, CO, February 2015.
- 106) Kauzor K, Flowers A, Avila J, Woo E, Ringman J, Lu P, **Apostolova LG**, Razani J. Memory Performance in MCI Using Memory and ADL Tasks. 2015 INS Meeting, Denver, CO, February 2015.
- 107) Porat S, Hwang KS, Goukasian N, Woo E, Zanto T, **Apostolova LG**. Dance Experience and Cortical Gray Matter Thickness in the Cognitively Normal and Mild Cognitive Impaired Elderly. 2015 INS Meeting, Denver, CO, February 2015.
- 108) Sokolow S, Li X, Taylor KD, Rotter JI, Rissman RA, Aisen PS, **Apostolova LG**. Three genetic loci associated with disease progression may contribute to donepezil non-response in mild cognitive impairment. AD/PD conference, Nice, France, March 18-22, 2015.
- 109) Clark DG, Woo E, Hwang K, Babakchian S, Eastman J, Ramirez L, **Apostolova LG**. Combining structural MRI and novel verbal fluency scores for predicting conversion in MCI. 67th American Academy of Neurology Meeting, Washington DC, April 2015.
- 110) **Apostolova LG**, Hurtz S, Blanken A, Zarow C, Biado K, Somme J, Honarpisheh H, Tung S, Ng D, Alger J, Vinters H, Boccardi M, Bocchetta M, Firsoni G, Thompson P. Pathologic Validation of Hippocampal Radial Distance Surface Mapping Technique. 12th International Conference on Alzheimer's and Parkinson's Disease (AD/PD) meeting, Nice, France, March 2015.

- 111) **Apostolova LG**, Haider J, Goukasian N, LeClair H, Chetelat G, Rabinovici G, Ringman J, Kremen S, Restrepo L, Mendez M, Silverman D. Critical appraisal of the Appropriate Use Criteria: effect on diagnosis and patient care. Alzheimer's Association International Conference, Washington DC, July 2015
- 112) **Apostolova LG**, Goukasian N, LeClair H, Porat S, Hwang KS, Silverman DH, Vandenberghe R. Brain amyloidosis is associated with worse cognitive performance in both the cognitively normal and impaired stages – a [¹⁸F]Flutemetamol PET study. Alzheimer's Association International Conference, Washington DC, July 2015.
- 113) Goukasian N, LeClair H, Porat S, Hwang KS, Ringman J, Silverman DH, Cummings JL, **Apostolova LG**. Anxiety is associated with brain amyloidosis in cognitively normal and MCI subjects – a [¹⁸F]Flutemetamol PET study. Alzheimer's Association International Conference, Washington DC, July 2015.
- 114) Goukasian N, LeClair H, Hwang KS, Ringman J, Cummings JL, **Apostolova LG**. Behavioral correlates of cognitive decline in normal aging and prodromal AD. Alzheimer's Association International Conference, Washington DC, July 2015.
- 115) Cole GM, Zuo X, Ma Q, Teter B, Teng E, Glenn T, Bilusova T, Gylus KH, **Apostolova LG**, Varghese J, Bredesen D, Frautschy SA. Plasma Neural Biomarkers in humans and AD models. Alzheimer's Association International Conference, Washington DC, July 2015.
- 116) Flowers A, Kauzor K, Avila J, Razani J, Woo E, Ringman J, **Apostolova LG**. Performance on The California Card Sorting in individuals with Neurocognitive Deficit. Alzheimer's Association International Conference, Washington DC, July 2015.
- 117) Risacher SL, WuDunn D, Tallman EF, West JD, McDonald BC, Farlow MR, Gao S, **Apostolova LG**, Unverzagt FW, Saykin AJ. Preliminary Analysis of the Association between Retinal Nerve Fiber Layer Thickness and Cerebral Amyloid Deposition. 2016 Human Amyloid Imaging Conference, Miami, FL, January 2016.
- 118) Goukasian N, Do T, Grotts J, Risacher SL, Nho K, Elashoff D, Saykin AJ, **Apostolova LG**. Effect of brain amyloidosis on the incidence and prevalence of neuropsychiatric behaviors in the elderly. 2016 Human Amyloid Imaging Conference, Miami, FL, January 2016.
- 119) **Apostolova LG**, Goukasian N, Gylus K, Cole G, Teng E, Bredesen D, Goetzl EJ. Neuronally-derived exosomal proteins can predict brain amyloidosis ascertained with [¹⁸F]Flutemetamol. 2016 Human Amyloid Imaging Conference, Miami, FL, January 2016.
- 120) **Apostolova LG**, Goukasian N, Do T, Grotts J, Risacher SL, Nho K, Elashoff D, Saykin AJ. FERMT2, CLU and ZCWPW1 Are Associated with Brain Amyloidosis. 2016 Human Amyloid Imaging Conference, Miami, FL, January 2016.
- 121) Castillo G, Alostaz J, Flowers A, Woo E, **Apostolova LG**, Ringman J, Razani J. Tower Test Performance between MCI and AD Individuals. 2016 INS Meeting, Boston, MA, February 2016.
- 122) Kauzor K, Flowers A, Lara_Ruiz J, **Apostolova LG**, Woo E, Ringman J, Razani J. Cognitive Performance of MCI in Those With and Without Caregivers. 2016 INS Meeting, Boston, MA, February 2016.
- 123) He A, Hanulik I, DeLeon F, Roberg B, Ringman J, **Apostolova LG**, Tingus K, Woo E. Longitudinal Assessment of Metacognition in Mild Cognitive Impairment and Dementia. 2016

INS Meeting, Boston, MA, February 2016.

- 124) Hanulik I, He A, DeLeon F, Roberg B, **Apostolova LG**, Ringman J, Wright MJ, Woo E. Longitudinal Assessment of Two Types of Prospective Memory in Healthy Aging and Mild Cognitive Impairment. 2016 INS Meeting, Boston, MA, February 2016.
- 125) Flowers A, Michel S, **Apostolova LG**, Woo E, Ringman J, Lu P, Razani J. Neuropsychological Tests and Functional Ability. 2016 INS Meeting, Boston, MA, February 2016.
- 126) Goukasian N, Do T, Grotts J, Silverman D, Ringman J, Elashoff D, **Apostolova LG**. Behavioral correlates of cognitive decline in normal aging and prodromal Alzheimer's disease. 68th American Academy of Neurology Meeting, Vancouver, Canada, April 2016.
- 127) **Apostolova LG**, Goukasian N, Do T, Grotts J, Elashoff D. Effect of brain amyloidosis on the emergence of neuropsychiatric behaviors in MCI over time. 68th American Academy of Neurology Meeting, Vancouver, Canada, April 2016.
- 128) Olney N, Teng E, Zhou Y, **Apostolova LG**, Kremen S, Woo E, Ringman J. Neuropsychiatric symptoms in early autosomal dominant and late onset Alzheimer's disease. 68th American Academy of Neurology Meeting, Vancouver, Canada, April 2016.
- 129) Roberg BL, Woo E, He A, Hanulik I, De Leon F, Ringman J, **Apostolova LG**, Nunez C. Metacognition and Activities of Daily Living in Cognitive Impairment. Western Psychological Society Meeting, Long Beach, CA, April 2016
- 130) He A, Wright MJ, Woo E, Hanulik I, De Leon F, Roberg B, **Apostolova LG**, Ringman J, Nunez C. Everyday functioning in aging, mild cognitive impairment, and dementia. Western Psychological Society Meeting, Long Beach, CA, April 2016
- 131) Hanulik I, Woo E, Wright MJ, He A, De Leon F, Roberg B, **Apostolova LG**, Ringman J, Nunez C. Components of Prospective Memory in Healthy Aging and Mild Cognitive Impairment. Western Psychological Society Meeting, Long Beach, CA, April 2016
- 132) **Apostolova LG**, Risacher S, Duran T, Stage E, Goukasian N, West J, Do T, Grotts J, Nho K, Elashoff D, Saykin A. Examining the effect of the top 20 AD Risk Variants on brain amyloidosis, structural atrophy and metabolism. Alzheimer's Association International Conference, Toronto, Canada, July 2016.
- 133) **Apostolova LG**, Goukasian N, Gylys K, Cole G, Teng E, Bredesen D, Goetzl EJ. Neuronally-derived exosomal proteins can predict brain amyloidosis ascertained with [¹⁸F]Flutemetamol. Alzheimer's Association International Conference, Toronto, Canada, July 2016.
- 134) Hwang KS, Chow N, Goukasian N, Nho K, Saykin A, **Apostolova LG**. Predicting cognitive decline and brain amyloidosis using cognitive and peripheral blood gene expression measures. Alzheimer's Association International Conference, Toronto, Canada, July 2016
- 135) Stage E, Duran T, Risacher S, Goukasian N, West J, Do T, Grotts J, Nho K, Elashoff D, Saykin A, **Apostolova LG**. Association of FDG-PET brain metabolism with Alzheimer's disease risk genes. Alzheimer's Association International Conference, Toronto, Canada, July 2016.
- 136) Mustafi SM, Gandhi PK, Risacher SL, West JD, Tallman E, O'Neill DP, Farlow MR, Unverzagt FW, **Apostolova LG**, Saykin A, Yu-Chien Wu. Hybrid Diffusion Imaging (HYDI) of White

Matter Changes in Older Adults with Subjective Cognitive Decline (SCD): Assessment of Orientation Dispersion and Axonal Density. Alzheimer's Association International Conference, Toronto, Canada, July 2016.

- 137) West JD, Risacher SL, Gandhi PK, Wu YC, Tallman EF, McDonalds BC, Glazier BS, **Apostolova LG**, Farlow MF, Brosch JR, Gao S, Brown SA, Unverzagt FW, Wang D, Saykin AJ. Elevated Cerebral Blood Flow in Participants with Subjective Cognitive Decline. Alzheimer's Association International Conference, Toronto, Canada, July 2016.
- 138) West JD, Risacher SL, Gandhi PK, Wu YC, Tallman EF, McDonald BC, Glazier BS, **Apostolova LG**, Farlow MF, Brosch JR, Gao S, Brown SA, Unverzagt FW, Wang D, Saykin AJ. Association between N-Back Working Memory Activation on fMRI and Cognitive Assessment of Executive Function. Alzheimer's Association International Conference, Toronto, Canada, July 2016.
- 139) Risacher SL, West JD, McDonald BC, Tallman EF, Gandhi PK, Glazier BS, Gao S, Brown SA, O'Neill DP, Crosbie RM, Brosch JR, Gao S, Brown SA, Brosch JM, Unverzagt FW, **Apostolova LG**, Farlow MF, Saykin AJ. Association of the Cognitive Change Index with Hippocampal Subfield Volumes. Alzheimer's Association International Conference, Toronto, Canada, July 2016.
- 140) Risacher SL, West JD, McDonald BC, Tallman EF, Gandhi PK, Glazier BS, Gao S, Brown SA, O'Neill DP, Crosbie RM, Brosch JR, Gao S, Brown SA, Brosch JM, Unverzagt FW, **Apostolova LG**, Farlow MF, Saykin AJ. Scene Encoding fMRI in Subjective Cognitive Decline. Alzheimer's Association International Conference, Toronto, Canada, July 2016.
- 141) Sokolow S, Li X, Taylor KD, Rotter JJ, Rissman RA, Aisen PS, **Apostolova LG**. Damaging Effect of the Butyrylcholinesterase K-variant in donepezil therapy of mild cognitive impairment. Alzheimer's Association International Conference, Toronto, Canada, July 2016.
- 142) Cong S, Risacher SL, West JD, Wu Y, **Apostolova LG**, Tallman E, Rizkalla M, Salama P, Saykin AJ, Shen L. Volumetric Comparison of Automatically Segmented Hippocampal Subfields from 4-Min Accelerated versus 8-Min T2-weighted 3T MRI Scans. Alzheimer's Association International Conference, Toronto, Canada, July 2016.
- 143) Grill J, **Apostolova LG**, Bullain S, Burns J, Cox C, Hartley D, Dick M, Kawas C, Kremen S, Lingler J, Lopez O, Lundebjerg N, Mapstone M, Pierce A, Rabinovici G, Roberts S, Sajjadi S, Teng E, Karlawich J. Communicating Mild Cognitive Impairment diagnosis with and without amyloid imaging: Recommendations from an expert workgroup. Alzheimer's Association International Conference, Toronto, Canada, July 2016.
- 144) Nho K, Kim S, Horgousluoglu E, Risacher S, **Apostolova LG**, Lin K, Hodges A, Younkin MA, Taner N, Soares HD, Singh P, Wang L, Qi Z, He A, Neuhaus I, Patel V, Foroud T, Faber K, Lovestone S, Simmons A, Weiner ME, Saykin AJ. Gene expression of *ABCA7* dysregulated in peripheral blood is associated with decreased metabolic activity in Hippocampus. Alzheimer's Association International Conference, Toronto, Canada, July 2016.
- 145) Hwang KS, Chow N, Goukasian N, Nho K, Saykin A, **Apostolova LG**. Predicting brain amyloidosis using cognitive and peripheral blood gene expression measures. American Neurological Association, Baltimore, MD, September 2016.
- 146) Liu S, Chang F, Kriesel C, Gomez K, Woo E, Ringman J, **Apostolova LG**, Wolf S, Nuñez C. Cognition, Neuropsychiatric Symptoms and Everyday Functioning in Latino Older Adults. 2017 INS Conference, New Orleans, LA, February 2017.

- 147) Canela VH, Stage E, Phillips M, Duran T, Rabinovici GD, Dickerson BC, Carrillo MC, de Santi S, Risacher SL, Saykin AJ, **Apostolova LG** Differences in brain metabolism in Early and Late Onset Alzheimer's Disease and Suspected Non-Alzheimer's Pathophysiology. 69th American Academy of Neurology Meeting, Boston MA, April 2017.
- 148) Stage E, Phillips M, Canela VH, Duran T, Goukasian N, Rabinovici GD, Dickerson BC, Carrillo MC, de Santi S, Risacher SL, **Apostolova LG**. Brain Atrophy in Early and Late Onset Alzheimer's Disease and Suspected Non-Alzheimer's Pathophysiology. 69th American Academy of Neurology Meeting, Boston MA, April 2017.
- 149) West JD, Risacher SL, Contreras JA, Wu Y, Tallman EF, Fletcher JW, Farlow MR, **Apostolova LG**, Saykin AJ. The Relationship of Tau Burden to Diffusivity Across the Alzheimer's Disease Continuum. OHBM, Vancouver, CA, June 2017.
- 150) Stage E, Phillips M, Canela VH, Duran T, Goukasian N, Rabinovici GD, Dickerson BC, Carrillo MC, de Santi S, Risacher SL, Saykin AJ, **Apostolova LG**. Comparing Imaging Phenotypes of Amnesic Early vs. Late-Onset Amyloid-Negative Mild Cognitive Impairment and Dementia ADNI Subjects. 2017 Alzheimer's Association International conference, London, UK, July 2017.
- 151) Mustafa R, Brosch JR, Rabinovici GD, Dickerson B, Carrillo MC, Glazier B, Gao S, Tierney M, Fargo KN, Austrom MG, De Santi S, Clark DG, **Apostolova LG**. Patient and caregiver assessment of the benefits from the clinical use of amyloid PET imaging. 2017 Alzheimer's Association International conference, London, UK, July 2017.
- 152) Risacher SL, West JD, McDonald BC, Tallman EF, Glazier BS, Gao S, Brown SA, **Apostolova LG**, Brosch J, Farlow MR, Unverzagt FW, Saykin AJ. Optimizing Cognitive Change Index Cutoffs based on Cognitive Decline and Biomarker Positivity in Cognitively Normal Older Adults. 2017 Alzheimer's Association International conference, London, UK, July 2017.
- 153) Risacher SL, WuDunn D, West, JD, McDonald BC, Tallman EF, Yoder KK, Glazier BS, Gao S, Brown SA, **Apostolova LG**, Brosch J, Farlow MF, Unverzagt FW, Saykin AJ. Visual Contrast Sensitivity is Associated with Amyloid and Tau Deposition. 2017 Alzheimer's Association International conference, London, UK, July 2017.
- 154) Risacher SL, West JD, McDonald BC, Tallman EF, Glazier BS, Gao S, Brown SA, **Apostolova LG**, Brosch J, Farlow MR, Unverzagt FW, Campbell NL, Boustani MA, Saykin AJ. Anticholinergic Medication Use is Associated with Reduced fMRI Activity during Visual Episodic Encoding in Cognitively Normal Older Adults. 2017 Alzheimer's Association International conference, London, UK, July 2017.
- 155) Risacher SL, West JD, McDonald BC, Tallman EF, Glazier BS, Gao S, Brown SA, **Apostolova LG**, Brosch J, Farlow MR, Unverzagt FW, Saykin AJ. Optimizing Cognitive Change Index cutoffs based on cognitive decline in biomarker positivity in cognitively normal older adults. 2017 Alzheimer's Association International conference, London, UK, July 2017.
- 156) Perry BL, Finley E, Risacher SL, Tallman EF, **Apostolova LG**, Saykin AJ. Associations Between Social Network Characteristics and Cortical Thickness and Hippocampal Volume in Cognitively Normal Subjects. 2017 Alzheimer's Association International conference, London, UK, July 2017.
- 157) Perry B, Finley E, Risacher S, Tallman E, **Apostolova LG**, Saykin A. Ego networks and cognitive performance in older adults with normal cognition, mild cognitive impairment, and

- mild Alzheimer's disease. 2017 Alzheimer's Association International conference, London, UK, July 2017.
- 158) Contreras JA, Goni J, Risacher SL, Yoder KK, Dzemic M, West JD, Tallman EF, McDonald BC, Farlow MR, **Apostolova LG**, Sporns O, Saykin AJ. Language fluency predicts resting state network connectivity pattern. 2017 Alzheimer's Association International conference, London, UK, July 2017.
- 159) Contreras JA, Fortunato S, Avena-Koenigsberger A, Risacher SL, West JD, Tallman EF, McDonald BC, Farlow MR, **Apostolova LG**, Goni J, Dzemic M, Sporns O, Saykin AJ. Resting state network modularity along the late onset Alzheimer's disease continuum. 2017 Alzheimer's Association International conference, London, UK, July 2017.
- 160) Bateman DR, Tam JW, Lane KA, Gao S, **Apostolova LG**. Neuropsychiatric symptoms and neuropathology correlation in frontotemporal lobar degeneration. 2017 Alzheimer's Association International conference, London, UK, July 2017.
- 161) Stage, E, Svaldi, D, Phillips, M, Tugce D, Risacher, S, Saykin, Andrew, **Apostolova, L**. Binding Profile in early and late-onset Alzheimer's Disease and Suspected Non-Alzheimer Pathophysiology, Indiana University School of Medicine, September 27, 2017.
- 162) Phillips M, Stage E, Lane KA, Gao S, Risacher SL, Saykin AJ, **Apostolova LG**. Neurodegenerative Patterns of Cognitive Clusters of Early Onset AD Subjects – Evidence for Disease Heterogeneity. 2017 Indiana Neuroimaging Symposium, West Lafayette, IN, USA, November 2017.
- 163) Stage E, Phillips M, Canela VH, Duran T, Goukasian N, Rabinovici GD, Dickerson BC, Carrillo MC, de Santi S, Risacher SL, Saykin AJ, **Apostolova LG**. Comparing Imaging Phenotypes of Amnesic Early Vs. Late-Onset Amyloid-Positive Mild Cognitive Impairment and Dementia ADNI Subjects, 2017 Indiana Neuroimaging Symposium, West Lafayette, IN, USA, November 2017
- 164) Stage E, Phillips M, Canela VH, Duran T, Goukasian N, Rabinovici GD, Dickerson BC, Carrillo MC, de Santi S, Risacher SL, Saykin AJ, **Apostolova LG**. Amyloid-Negative Mild Cognitive Impairment and Dementia ADNI Subjects, 2017 Indiana Neuroimaging Symposium, West Lafayette, IN, USA, November 2017
- 165) Kauzor K, Banuelos D, Gonzalez K, **Apostolova LG**, Woo E, Razani J. Test performance of MCI Patients with and without caregivers as compared to AD and NC. 2018 INS Conference, Washington DC, February 2018
- 166) Duran T, Woo E, Svaldi DO, Risacher S, Stage E, Goukasian N, Hwang K, West JD, Phillips M, **Apostolova LG**. Associations between Cortical Thickness and Metamemory in Alzheimer's Disease. 2018 Alzheimer's Association International conference, Chicago, IL, July 2018.
- 167) Vasanthakumar A, Davis JW, Idler K, Asque E, Riley-Gillis B, Kim S, Nho K, Nudelman KNH, Faber K, Bai Y, Sun Y, Foroud TM, Estrada K, Li Q, **Apostolova L**, Saykin AJ, Waring JF DNA Methylation Dynamics in Alzheimer's disease: Development of Biomarkers and Novel Drug Targets using ADNI Epigenetic Data. 2018 Alzheimer's Association International conference, Chicago, IL, July 2018.
- 168) Guerriero-Austrom M, Fowler NR, **Apostolova LG**, Gao S, Brown S, Saxman D, Richards R, Campbell C, Hendrie HC. A community-based outreach model to increase African

- American participation in AD research. 2018 Alzheimer's Association International conference, Chicago, IL, July 2018.
- 169) Elsaid NMH, Wen Q, Mustafi S, Risacher SL, Farlow MR, **Apostolova LG**, Saykin AJ, Harezlak J, Wu Y. Alterations in White-Matter Diffusion Metrics in Preclinical Alzheimer's Disease: A Subject-Specific Analysis. 2018 Alzheimer's Association International conference, Chicago, IL, July 2018.
- 170) Xu C, **Apostolova LG**, Oblak A, Gao S. History of Hypercholesterolemia and Neuropathological Outcomes. 2018 Alzheimer's Association International conference, Chicago, IL, July 2018.
- 171) Lynch LK, Risacher SL, McDonald BC, **Apostolova LG**, Unverzagt FW, West JD, Tallman EF, Lu K, Wen H, Liu Z, Saykin AJ. Scene-Encoding Activation and Resting-State Functional Connectivity in Older Adults with Subjective Cognitive Decline and Mild Cognitive Impairment. 2018 Alzheimer's Association International conference, Chicago, IL, July 2018.
- 172) Phillips M, Lane KA, Svaldi DO, Gao S, Stage E, Risacher SL, Saykin AJ, **Apostolova LG**. Longitudinal Patterns of Decline in Subtypes of Amnesic Early Onset AD Subjects. 2018 Alzheimer's Association International conference, Chicago, IL, July 2018.
- 173) Jung M, **Apostolova L**, Gao S, Burney H, Lai D, Saykin A, Pressler SJ. Heart failure predicts cognitive dysfunction after adjusting for APOE factors. 2018 Alzheimer's Association International conference, Chicago, IL, July 2018.
- 174) Wen Q, Mustafi SM, Harezlak J, Li J, Risacher SL, West JD, Tallman E, Farlow MR, Unverzagt FW, **Apostolova LG**, Saykin AJ, and Wu Y. White-Matter Microstructure in Early Stage Alzheimer's Disease. 2018 Alzheimer's Association International conference, Chicago, IL, July 2018.
- 175) Risacher SL, Tallman EF, West JD, McDonald BC, Unverzagt F, **Apostolova LG**, Farlow MR, Saykin AJ. The Cognitive Change Index Is Associated with Tau Deposition on [¹⁸F]Flortaucipir. 2018 Alzheimer's Association International conference, Chicago, IL, July 2018.
- 176) Risacher SL, Tallman EF, WuDunn D, West JD, **Apostolova LG**, Farlow MR, Unverzagt FW, Saykin AJ. Combinatorial sensory modality assessment in prodromal of Alzheimer's disease: Relation to MRI and amyloid and tau PET. 2018 Alzheimer's Association International conference, Chicago, IL, July 2018.
- 177) Saykin AJ, Risacher SL, Nho K, Yan J, **Apostolova LG**, Kaddurah-Daouk RF, Gao S, ADNI, ADMC. Multivariate Cluster Profiling of Amyloid Beta, Tau, Neurodegeneration and Vascular (ATNV) Biomarkers in Adni Cohort: Implication for Cognition, -Omics and Clinical Trials. 2018 Alzheimer's Association International conference, Chicago, IL, July 2018.
- 178) Sokolow S, Marosi K, Nho K, Rotter JI, **Apostolova LG**. Acetylcholinesterase Inhibitor Therapy in Mild Cognitive Impairment: Yes or No? 2018 Alzheimer's Association International conference, Chicago, IL, July 2018.
- 179) Svaldi DO, Goñi J, Amico E, Muralidharan C, Dziedzic M, West JD, Risacher SL, Saykin AJ, **Apostolova LG**. Separation of functional connectomes Across the AD Spectrum based on Disease Sensitive Principal Components. 2018 Alzheimer's Association International conference, Chicago, IL, July 2018.

- 180) McConnell WR, Perry BL, **Apostolova LG**, Saykin AJ. The Coevolution of Egocentric Network Structure, Social Support, and Cognitive Impairment among Older Adults facing Alzheimer's Disease. 2018 Alzheimer's Association International Conference, Chicago, IL, July 2018.
- 181) Risacher SL, Fndos N, Romero J, Sherriff I, Saykin AJ, **Apostolova LG**. Association between Plasma A β Levels and Cerebral Amyloid and Tau Deposition. 2018 Alzheimer's Association International Conference, Chicago, IL, July 2018.
- 182) Jung M, **Apostolova LG**, Gao S, Burney H, Pressler SJ. APOE Gene May Not Predict Cognitive Function Among People with Heart Failure. 2018 Alzheimer's Association International Conference, Chicago, IL, July 2018.
- 183) **Apostolova LG**, Aisen P, Eloyan, A, Fagan, Foroud T, Gatsonsi C, Jack C, Krammer J, Koeppe R, Saykin A, Toga A, Vemuri P, Day G, Graff-Radford N, Honig L, Jones D, Johnson S, Masdeu J, Mendex M, Onyike C, Rogsalski E, Salloway S, Wolk D, Wingo T, Carrillo M, Dickerson B, Rabinovici G. Advancing Clinical and Biomarkers Research in AD: The LEAD Study. 11th Clinical Trials on Alzheimer's Disease (CTAD), Barcelona, Spain, October 2018.
- 184) Stage E, Svaldi DO, Marosi K, Nho K, Rotter JI, Risacher SL, Saykin AJ, Sokolow S, **Apostolova LG**. A Cross-sectional and Longitudinal Analyses of [18F] FDG-PET and MRI Scans Investigating Acetylcholinesterase Inhibitor Therapy on Mild Cognitive Impairment. 11th Clinical Trials on Alzheimer's Disease (CTAD), Barcelona, Spain, October 2018.
- 185) Jung M, **Apostolova LG**, Gao S, Burney H, Pressler SJ. Are APOE ϵ 4 and ϵ 2 Associated with Heart Failure Patients' Cognitive Function? American Heart Association Scientific Sessions, Chicago, IL. November 2018.
- 186) **Apostolova LG**, Aisen P, Eloyan, A, Fagan, Foroud T, Gatsonsi C, Jack C, Krammer J, Koeppe R, Saykin A, Toga A, Vemuri P, Day G, Graff-Radford N, Honig L, Jones D, Johnson S, Masdeu J, Mendex M, Onyike C, Rogsalski E, Salloway S, Wolk D, Wingo T, Carrillo M, Dickerson B, Rabinovici G. Advancing Clinical and Biomarkers Research in AD: The LEAD Study. 2018 International Conference on Frontotemporal Dementia, Sydney, Australia, November 2018.
- 187) Jung M, **Apostolova LG**, Gao S, Burney H, Saykin AJ, Pressler AJ. Accelerated progression of cognitive impairment to mild cognitive impairment and dementia among people with heart failure. CTI Meeting Technology, Chicago, IL, June 2019.
- 188) Thompson JL, Montgomery VL, Schmitter-Edgecombe M, **Apostolova LG**, Woo E. Semantic Priming in Mild Cognitive Impairment. American Academy of Clinical Neuropsychology, Chocaho, IL, June 2019.
- 189) Svaldi DO, Goni J, Amico E, Abbas K, Muralidharan C, Dzemic M, West J, Risacher S, Saykin A, **Apostolova LG**. Covarying patterns of Functional Connectivity with Amyloid and Tau Deposition in Early Stage Alzheimer's Disease. 2019 Alzheimer's Association International Conference, Los Angeles, CA, July 2019.
- 190) Svaldi, DO, Goñi J, Amico E, Muralidharan C, Dzemic M, West JD, Risacher SL, Saykin AJ, **Apostolova LG**. Improving Prediction of Cognitive Outcomes from Functional Connectivity in Alzheimer's Disease. 2019 Alzheimer's Association International Conference, Los Angeles, CA, July 2019.
- 191) Yan X, Patania A, Svaldi DO, Sanjay A, Duran T, Hwang K, Penchev V, West J, Mabry P, **Apostolova LG**. Evaluating the Utility of Homological Structural MRI Features and a Kernel

Based Learning Framework for Prediction of MCI. 2019 Alzheimer's Association International Conference, Los Angeles, CA, July 2019.

- 192) Ayers M, **Apostolova LG**, Gao S, Saykin A, Risacher S. Amyloid and tau burden improve residual approaches to cognitive reserve quantification in AD. 2019 Alzheimer's Association International Conference, Los Angeles, CA, July 2019.
- 193) Riedel BC, Risacher SL, Wen Q, West JD, Farlow MR, Gao S, Foroud T, Zetterberg H, Blennow K, **Apostolova LG**, Wu Y, Saykin A. Multivariate patterns of association between diffusion imaging metrics and plasma neurofilament light in prodromal Alzheimer's disease. 2019 Alzheimer's Association International Conference, Los Angeles, CA, July 2019.
- 194) **Apostolova LG**, Iaccarino L, Collins J, Aisen P, Borowski B, Eloyan A, Fagan A, Foroud T, Gatsonis C, Jack C, Kramer J, Koeppe R, Saykin A, Toga A, Vemuri P, Day G, Graff-Radford N, Honig L, Jones D, Masdeu J, Mendez M, Onyike C, Rogalski E, Salloway S, Wolk D, Wingo TS, Rabinovici G, Dickerson B, Carrillo MC. Advancing Clinical and Biomarker Research in AD: The LEAD Study. 2019 Alzheimer's Association International Conference, Los Angeles, CA, July 2019.
- 195) Risacher SL, WuDunn D, Tallman EF, Vosmeier A, West JD, Deardorff R, Foroud T, Gao S, **Apostolova LG**, Zetterberg H, Blennow K, Saykin AJ. Plasma amyloid-beta and tau and visual contrast sensitivity synergistically predict cerebral amyloid and tau deposition on PET in preclinical and prodromal AD. 2019 Alzheimer's Association International Conference, Los Angeles, CA, July 2019.
- 196) Swinford CG, Risacher SL, West JD, **Apostolova LG**, Wu Y, Farlow MR, Brosch JR, Unverzagt FW, Tallman EF, Deardorff R, Kamer AP, Saykin AJ. Regional Association of CEREBRAK Blood Flow with Amyloid and Tau in Alzheimer's Disease. 2019 Alzheimer's Association International Conference, Los Angeles, CA, July 2019.
- 197) Wen Q, Risacher SL, Mustafi S, Harezlak J, Xie L, Li J, West JD, Tallman EF, Farlow MR, Unverzagt FW, **Apostolova LG**, Saykin AJ, Wu Y. Spatially Selective Tau-Related White-Matter Pathway Alterations Identified by a Data-Driven Approach. 2019 Alzheimer's Association International Conference, Los Angeles, CA, July 2019.
- 198) Wang S, **Apostolova LG**, Risacher SL, Saykin AJ. Subsyndromal Depressive Symptoms in Non-Demented Older Adults Are Associated with Poorer Memory Performance. 2019 Alzheimer's Association International Conference, Los Angeles, CA, July 2019.
- 199) Zhu J, Risacher SL, West JD, Deardorff RL, Tallma EF, Brown SA, Gao S, **Apostolova LG**, Saykin AJ. Working Memory Task-based fMRI in Subjective Cognitive Decline: Evidence for Neural Compensation. 2019 Alzheimer's Association International Conference, Los Angeles, CA, July 2019.
- 200) Moore AM, Filshstein TJ, Dumitrescu L, Harrati A, Elahi F, Mormino EC, Mungas DM, Hedden T, **Apostolova LG**, Saykin A, Chasioti D, Buckley R, Hohman TJ. Development of a Polygenic Risk Score for Cognitive Decline in Old Age. American Society for Human Genetics Meeting, Houston, TX, October 2019.
- 201) Noh HJ, Vasanthakumar A, Davis JW, Idler K, Asque E, Riley-Gillis B, Grosskurth S, Srivastava G, Kim S, Nho K, NUDelamn K, Faber K, Sun Y, Foroud TM, Estrada K, **Apostolova L**, Li QS, Saykin AJ, Waring JF. Harnessing DNA Methylation Changes in the Alzheimer's Disease Neuroimaging Initiative (ADNI) Cohort to Reveal Novel Biomarkers. Human Genetics and Genomics Gordon Research Conference, Waterville Valley, NH, July 2019.

- 202) Iaccarino L, La Joie R, Lesman-Segev O, Soleimaini-Meigooni D, Provost K, Koeppe R, Dickerson BC, **Apostolova LG**, Carrillo MC, Rabinovici GD. In vivo amyloid-PET and tau-PET evidence in early-onset Alzheimer's Disease: taking the LEADS. 2020 Human Amyloid Imaging Conference, Miami, FL, January 2020.
- 203) Groh J, Svaldi DO, Stage E, Sanjay A, Risacher SL, Saykin AJ, **Apostolova LG**. Data-Driven Approach to Characterization of Tau Accumulation in Braak Staging Groups. 2020 Human Amyloid Imaging Conference, Miami, FL, January 2020.
- 204) Svaldi DO, Goni J, Stage E, Abbas, Dzemic M, West JL, Risacher SL, Saykin AJ, **Apostolova LG**. Resting State Functional Connectivity Association with F18-Florbetapir PET F18-Flortaucipir PET. 2020 Human Amyloid Imaging Conference, Miami, FL, January 2020.
- 205) Bharthur Sanjay A, Svaldi DO, **Apostolova LG**. Transcriptomic Profiling of Brain Amyloidosis using Peripheral Blood-based Gene Expression. 2020 Human Amyloid Imaging Conference, Miami, FL, January 2020.
- 206) Risacher SL, West JD, Deardorff R, Gao S, Farlow MR, Brosch JR, **Apostolova LG**, Saykin AJ, for the Alzheimer's Disease Neuroimaging Initiative. History of Head Injury is Associated with Greater Tau Deposition on [18F] Flortaucipir PET in MCI and AD Patients. 2020 Human Amyloid Imaging Conference, Miami, FL, January 2020.
- 207) Sanjay AB, Patania A, Yan X, Svaldi D, **Apostolova LG**. Characterization of genetic expression patterns in MCI using a multiomics approach and neuroimaging endophenotypes. 2020 Alzheimer's Association International Conference, Amsterdam, Netherlands, July 2020.
- 208) Sanjay AB, Svaldi D, **Apostolova LG**. Transcriptomic profiling of brain amyloidosis using peripheral blood-based gene expression. 2020 Alzheimer's Association International Conference, Amsterdam, Netherlands, July 2020.
- 209) Chumin E, Risacher S, West J, Saykin AJ, **Apostolova LG**, Farlow M, McDonald B, Sporns O. Relationships of Time-Varying Resting State Network Stability and Cognitive Function Along the Alzheimer's Disease Spectrum. 2020 Alzheimer's Association International Conference, Amsterdam, Netherlands, July 2020.
- 210) Risacher S, Wang S, West J, Deardorff R, Gao S, McDonald B, **Apostolova LG**, Saykin AJ. Influence of Rural vs. Urban County Composition on AD Neuroimaging Biomarkers. 2020 Alzheimer's Association International Conference, Amsterdam, Netherlands, July 2020.
- 211) Jung M, **Apostolova LG**, Gao S, Burney H, Saykin AJ, Pressler S. Cognitive decline and conversion to MCI and dementia in heart failure: a 12-year follow-up. 2020 Alzheimer's Association International Conference, Amsterdam, Netherlands, July 2020.
- 212) Flaherty R, Ezzo R, Collins J, Krivensky S, Eckbo R, Vemuri P, Borowski B, Iaccarino L, La Joie R, Lesman-Segev O, Bourakova V, Eloyan A, Aisen P, Fagan A, Foroud T, Gatsonis C, Jack C, Kramer J, Koeppe R, Saykin AJ, Toga A, Day G, Graff-Radford N, Honig L, Jones D, Masdeu J, Mendez M, Onyike C, Rogalski E, Salloway S, Wolk D, Wingo T, Carrillo M, **Apostolova LG**, Rabinovici G, Dickerson B. Increased white matter MRI T1 hypointensity volume in young onset Alzheimer's Disease patients is not accounted for by age or cardiovascular risk factors. 2020 Alzheimer's Association International Conference, Amsterdam, Netherlands, July 2020.
- 213) Yu M, Nho K, Risacher S, Chumin E, West J, Shen L, **Apostolova LG**, Wu Y, Sporns O, Saykin AJ. Transcriptomic profiles underlying functional brain networks at different stages of

Alzheimer's disease. 2020 Alzheimer's Association International Conference, Amsterdam, Netherlands, July 2020.

- 214) Collins J, Ezzo R, Vemuri P, Borowski B, Iaccarino L, La Joie R, Lesman-Segev O, Bourakova V, Eloyan A, Aisen P, Fagan A, Foroud T, Gatsonis C, Jack C, Kramer J, Koeppe R, Saykin AJ, Toga A, Day G, Graff-Radford N, Honig L, Jones D, Masdeu J, Mendez M, Onyike C, Rogalski E, Salloway S, Wolk D, Wingo T, Carrillo M, **Apostolova LG**, Rabinovici G, Dickerson B. Neurodegeneration in the Longitudinal Evaluation of Early Onset Alzheimer's Disease (LEADS) sample: Results from the MRI Core. 2020 Alzheimer's Association International Conference, Amsterdam, Netherlands, July 2020.
- 215) Groh J, Svaldi D, Stage E, Sanjay AB, Logan P, Risacher S, Saykin AJ, **Apostolova LG**. Data-driven Characterization of Tau Accumulation across the Alzheimer's disease spectrum. 2020 Alzheimer's Association International Conference, Amsterdam, Netherlands, July 2020.
- 216) Xu C, Oblak A, Gao S, **Apostolova LG**. Association of Antihypertensive Medications and Alzheimer's Disease Neuropathology. 2020 Alzheimer's Association International Conference, Amsterdam, Netherlands, July 2020.
- 217) Swinford C, Risacher S, West JD, Chumin EJ, McDonald BC, Unverzagt FW, Gao S, Farlow MF, **Apostolova LG**, Wu YC, Brisch JR, Tallman EF, Deardorff R, Kamer AP, Wang DJJ, Zetterberg H, Blennow K, Saykin AJ. Plasma Tau is Negatively Correlated with Frontal Lobe CBF in Hypertensive Adults on the AD Spectrum. 2020 Alzheimer's Association International Conference, Amsterdam, Netherlands, July 2020.
- 218) Aamodt EB, Schellhorn T, **Apostolova LG**, Svaldi DO, Logan P, Sanjay AB, Saltvedt I, Beyer MK. Prediction of Early Post-stroke Major Neurocognitive Disorder Using Support Vector Machines. 2021 International Stroke Conference, Denver, Colorado, February 2021.
- 219) Logan PE, Stage EC, Reynolds AN, Manchella MK, Chen EH, Risacher SL, Saykin AJ, **Apostolova LG**. FDG-PET brain metabolic changes in A-/T-/N- early- and late-onset cognitively impaired subjects. 73rd American Academy of Neurology Meeting, San Francisco, April 2021.
- 220) Pan Y, Dyke J, Chiang G, Iadecola C, **Apostolova LG**, Ishii M. Atrophy of the mammillary bodies in mild cognitive impairment. 73rd American Academy of Neurology Meeting, San Francisco, April 2021.
- 221) Logan PE, Stage EC, Reynolds AN, Manchella MK, Chen EH, Risacher SL, Saykin AJ, **Apostolova LG**. FDG-PET brain metabolic changes in A-/T-/N- early- and late-onset cognitively impaired subjects. 2021 ADPD conference, March 2021.
- 222) Mathew S, WuDunn D, Mackay D, Vosmeier A, Tallman EF, Garrett M, West JD, Deardorff R, Harris A, Farlow MR, Brosch J, Gao S, **Apostolova LG**, Saykin AJ, Risacher SL. Association of Retinal Nerve Fiber Layer Thickness with Temporal Lobe Atrophy. 2021 Alzheimer's Association International Conference, Denver, Colorado, July 2021.
- 223) Risacher SL, Deardorff R, West JD, Vosier A, Tallmann EF, McDonald, BC, Farlow MR, Brosch J, Gao S, **Apostolova LG**, Saykin AJ. Brain activation during episodic scene encoding is associated with amyloid and tau levels in amyloid-positive older adults. 2021 Alzheimer's Association International Conference, Denver, Colorado, July 2021.
- 224) Nudelman KNH, Abreu M, Eloyan A, Rumbaugh MC, Faber KM, Wilmes K, Schwantes-An TH, Rabinovici GD, Carrillo MC, Dickerson BC, Saykin AJ, Wingo TS, ForoudTM, **Apostolova LG**.

Longitudinal Early-Onset Alzheimer's Disease Study (LEADS) Genetic Screening: Initial Results. 2021 Alzheimer's Association International Conference, Denver, Colorado, July 2021.

- 225) **Apostolova LG**, Eloyan A, Gao S, Iaccarino L, Touroutoglou L, Aisen P, Beckett L, Borowski B, Donohue M, Fagan A, Foroud T, Gatsonis C, Jack C, Kramer J, Koeppe , Saykin A, Toga AW, Vemuri P, Day G, Graff-Radford N, Honig L, Jones D, Masdeu J, Mendez M, Onyike C, Rogalski E, Salloway S, Wolk D, Wingo TS, Carrillo MC, Rabinovici G, Dickerson B. Cognitive, neuropsychiatric and imaging comparisons between early-onset and late-onset Alzheimer's disease participants from LEADS and ADNI3. 2021 Alzheimer's Association International Conference, Denver, Colorado, July 2021.
- 226) Mathew S, WuDunn D, Mackay D, Vosmeier A, Tallman EF, Garrett M, West JD, Deardorff R, Harris A, Farlow MR, Brosch J, Gao S, **Apostolova LG**, Saykin AJ, Risacher SL. Association of Retinal Nerve Fiber Layer Thickness with Temporal Lobe Atrophy. 2021 Alzheimer's Association International Conference, Denver, Colorado, July 2021.
- 227) Logan PE, Lane KA, Manchella MK, Sanjay AB, Gao S, **Apostolova LG**. Early-onset *APOE-ε4* carriers show greater decline in memory, language and executive function than late-onset carrier. 2021 Alzheimer's Association International Conference, Denver, Colorado, July 2021.
- 228) Swinford CG, Risacher SL, West JD, McDonald, BC, Unverzagt FW, Gao S, Farlow MR, **Apostolova LG**, Wu Y-C, Brosch JR, Deardorff R, Wange S, Kamer AP, Wang DJJ, Saykin AJ. Hypertension and Race Affect Cerebral Blood Flow and Cognition in Older Adults without Dementia. 2021 Alzheimer's Association International Conference, Denver, Colorado, July 2021.
- 229) **Apostolova LG**, Lane K, Logan P, Manchella M, Sanjay A, Gao S. *APOE4* is associated with earlier symptom onset in LOAD but later symptom onset in EOA. 2021 Alzheimer's Association International Conference, Denver, Colorado, July 2021
- 230) Sanjay AB, Yuny L, Gao S, **Apostolova LG**. Effect of genetic and vascular AD risk factors on rate of cognitive decline in EOAD vs LOAD. 2021 Alzheimer's Association International Conference, Denver, Colorado, July 2021
- 231) Sanjay AB, Correia RB, Rocha LM, **Apostolova LG**. Transcriptomic profiling in Mild Cognitive Impairment using peripheral blood gene co-expression networks. 2021 Alzheimer's Association International Conference, Denver, Colorado, July 2021
- 232) Ishii M, Ladecola C, Sanjay A, Apostolova LG. Sexually dimorphic association of circulating leptin levels with early amyloid-beta pathology assessed by amyloid PET. 2021 Alzheimer's Association International Conference, Denver, Colorado, July 2021
- 233) Aamodt EB, Schellhorn T, Stage E, Sanjay AB, Logan P, Svaldi DO, **Apostolova LG**, Saltvedt I, Beyer MK. Neuroimaging Improves the Prediction of Post-stroke Major Neurocognitive Disorder. 2021 World Congress of Neurology, Rome, Italy, October 2021.
- 234) Hammers D, Diedrich T, Nemes S, Eloyan A, Kramer J, Aisen P, Carrillo M, Dickerson B, Rabinovici G, **Apostolova LG**, for the LEADS Consortium. Validation of the Learning Ratio derived from the RAVLT in Early-Onset Alzheimer's Disease. CTAD, Boston, November 2021.

Poster Presentations at Local Society Meetings:

- 1) **Apostolova LG**, Dinov ID, Lin J, Toga AW, Cummings JL. Structural Correlates of Apathy in Alzheimer's Disease, 9th Annual UCLA Research Conference on Aging, July, 2004.
- 2) **Apostolova LG**, Green AE, Hwang KS, Morra JH, Cummings JL, Toga AW, Jack CR, Weiner MW, Thompson PM. Mapping the correlations between serum Abeta and tau and hippocampal atrophy measures in 282 ADNI subjects. Annual Beeson Scholar meeting, Lake Geneva, WI, June 2009.
- 3) Dejbakhsh S, Hwang KS, Green AE, Babakchanian S, Zoumalan C, Kenani R, **Apostolova LG**. Gray matter atrophy in mild cognitive impairment and Alzheimer's disease. Annual UCLA Neuroscience Undergraduate Poster Session, Los Angeles, CA, May 2009.
- 4) Ramirez L, Eastman JA, Hwang KS, Babakchanian S, Chow N, Thompson PM, **Apostolova LG**. Measuring cortical thickness and delayed word recall in MCI and AD subjects". Eastern New England Biological Conference, Stonehill College, March 2012.

Lectures and Presentations:

CME Course Director:

Alzheimer Imaging Consortium, 2014 Alzheimer's Association International Conference, Vancouver, Canada

Featured Research Symposium: Tau Imaging, 2014 Alzheimer's Association International Conference Vancouver, Canada

Alzheimer's Imaging Consortium, 2015 Alzheimer's Association International Conference, Washington DC

Educational Workshop - Basic Neuroimaging in Dementia at the 2015 Alzheimer's Association International Conference, Washington DC

AAN Geriatric Neurology - Subspecialty in Focus (half day educational course, half day Integrated Neuroscience Session): Current state of AD imaging biomarkers and the road ahead; 2016 American Academy of Neurology Meeting, Vancouver, Canada

Alzheimer's Imaging Consortium, 2016 Alzheimer's Association International Conference, Washington DC

2017- 2019 AAN Educational Symposium: Neuroimaging Biomarkers across the Dementia Spectrum, American Academy of Neurology Meeting, Boston, MA.

Pri-Med Virtual Grand Round Series. Chair and Presenter. Alzheimer's Disease in Primary Care: Gaining Diagnostic and Management Confidence. Live lectures - October 13, 2020; November 12, 2020 and December 4, 2020. Recording October 15, 2020.

Virtual Grand Round Series Chair and Presenter, Current Trends and Transitions in Alzheimer's Disease: Implications for Clinical Practice. Southern Hills Hospital, Las Vegas, November 12 2020; Well Star Atlanta Medical Center, Atlanta, Georgia, November 18 2020; Sunny Medical Center, Brooklyn, New York, December 17 2020; Upstate Medical University, Syracuse, New York, January 20 2021; LSU Health Shreveport Neurology, Shreveport, LA January 22 2021; Albany Medical Center, Albany, NY, February 4 2021, University of Minnesota, Minneapolis, MN February 26 2021; James Haley Veterans Hospital, Tampa, Florida, March 19 2021.

Neuroimaging in Alzheimer's Disease Learning Center, Chair. The lecture series include Pathobiology of Dementia and Current Imaging Guidelines, December 4 2020; Imaging Alzheimer's disease: Magnetic Resonance Imaging, December 4 2020; Molecular Imaging and Alzheimer's Disease – Positron Emission Tomography, December 30 2020; Neuroimaging and Alzheimer's Disease Monitoring - Practical Applications, January 28, 2021. - <https://www.neuroimaging-in-alzheimers-disease.com>

2021 AAN Educational Symposium: Updates in Alzheimer's Disease, American Academy of Neurology Meeting, virtual meeting.

Early-Stage Alzheimer Primer: Pathophysiology, Diagnosis, and Assessment. Virtual CME course. April 2021

Special Recognition Lectures and Presentations:

Apostolova LG (guest editor). Alzheimer's Disease and MCI: Benefits of Early Diagnosis and Treatment. A CME-Newsletter. www.adcme.com

University of California Los Angeles. Alzheimer's Disease Neuroimaging Initiative. Presentation to Congresswoman Linda Sanchez, UCLA's Vice-Chancellor and media relations. October 8, 2010.

2013 Dorothy Dillon Eweson Lecturer on the Advances in Aging Research "Molecular Neuroimaging in Dementia Research: Current Status", 2013 AHA International Stroke Conference Presentation, Honolulu, HI, February 8, 2013.

Invited Speaker at the 2013 AAN American Brain Foundation Annual Brain Health Fair, "Update on Alzheimer's Disease", Hilton San Diego Bayfront, San Diego, CA, March 16, 2013.

Invited Imaging Expert for Evidence-Based Medicine Expert Debate Webcast titled "What is the role of neuroimaging in the diagnosis of Alzheimer's disease?" Phoenix, AZ. Live webcast available at http://webeventservices.reg.meeting-stream.com/58983_powered/; May 7, 2013

10th Annual Martin Family AD Caregiver Symposium, Keynote address. Alzheimer's Disease Imaging Biomarkers: Past, Present and Future. Indiana University, Bloomington, IN. September 23, 2016

2018 NIH Alzheimer's Research Summit. Enabling Precision Medicine Research for Early Onset AD. Natcher Auditorium. NIH. Bethesda, MD. March 1, 2018

2018 AAN Plenary Speaker. Neurology Year in Review: Dementia. 70th American Academy of Neurology Meeting, Los Angeles, CA, April 2018

2019 Colloquium for Women of Indiana University. Health Panel Member. October 25, 2019

6th Indiana Neuroimaging Symposium, Keynote Speaker. Deciphering AD Heterogeneity – a Path Towards Precision Medicine. Host: Yu-Chien Wu. October 28, 2019

Inaugural Indiana University MEDTalk Guest Speaker. Indianapolis, IN. October 29, 2019

2019 Purdue Women's Health Symposium. Keynote speaker: Early symptomatic and presymptomatic stages of AD. Host: Ulrike Dydak. West Lafayette, IN. November 1, 2019

Alzheimer Association Business Consortium Webinar- Improving our Understanding of Alzheimer's Disease Heterogeneity: LEADS Neuroimaging Component. December 9, 2019.

2020 State Advocacy Day – Alzheimer Association Greater Indiana Chapter, Keynote Speaker. Alzheimer Disease. Indianapolis, IN, January 13, 2020

Purdue University School of Health Sciences. Deciphering AD Heterogeneity – a Path Towards Precision Medicine. Host: Ulrike Dydak. February 4, 2020.

Invited International Lectures and Presentations:

9th Argentinian Congress on Neuropsychiatry, Buenos Aires, Argentina. Neuroimaging advances in Alzheimer's disease and MCI. *Keynote Speaker*. Host: Prof. Luis Ignacio Brusco, September 5th, 2007.

Stavanger University, Stavanger, Norway. Imaging Biomarkers for AD and PDD. Host: Prof. JP Larsen, October 7, 2010

National Norwegian Dementia Symposium, Oslo, Norway. Standardization of Structural Imaging. Host: Prof. Dag Aarsland, October 8, 2010

National Norwegian Dementia Symposium, Oslo, Norway. Imaging, Genetic and Cerebrospinal Fluid Biomarkers for AD and PD. Host: Prof. Dag Aarsland, October 8, 2010

2014 International Psychogeriatric Association Meeting, Beijing, China, October 2014. Plenary Speaker: Evolutional Concept of Mild Cognitive Impairment and Alzheimer's Disease.

2015 MicGen Conference, Invited Speaker. Deep Phenotyping: A Clinician's Perspective. Munich, Germany, October 2015

2018 Dementia Care Expo. Keynote Speaker. Clinical and Research Applications of Amyloid and Tau Pet, Tainan, Taiwan, June 23, 2018.

2018 Dementia Symposium, Keynote Speaker– Amyloid PET: Towards a New Era of Alzheimer's Innovation, Taipei, Taiwan, June 29, 2018.

21st International Conference on Medical Image Computing & Computer Assisted Intervention (MICCAI), Granada, Spain, Keynote Speaker: Understanding AD Heterogeneity-a Path towards Precision Medicine of the 21st Century. September, 2018.

2019 Dementia Symposium. Early Diagnosis of Alzheimer's Disease. Keynote speaker. Host: Prof. Latchezar Traykov. Sofia, Bulgaria, June 15, 2019.

Medical University Plovdiv, Bulgaria. Towards Better Understanding the Clinical and Genetic heterogeneity of Alzheimer's Disease. Grand Rounds Speaker. Host: Prof. Penka Atanasova, June 25, 2019

2019 Modena Alzheimer's Symposium. Longitudinal Early Onset Dementia Study. Host: Prof Andrea Fabbo. September 20, 2019

2020 CTAD Plenary Speaker: The LEADS Program: A New Opportunity for Therapeutic Research, November 4, 2020

Invited National Lectures and Presentations:

Northwestern University, Chicago, IL. Cortical atrophy in dementia. Invited Speaker, Host: Prof. Marsel Mesulam, July 10, 2002.

Oregon Health Sciences University, Layton Alzheimer's Disease Research Center, Portland, Oregon. Neuroimaging in mild cognitive impairment. Invited Speaker, Host: Prof. Jeffrey Kaye, May 5, 2005.

Columbia University, Sergievsky Center, New York, NY. Cortical and hippocampal atrophy in mild cognitive impairment. Invited Speaker, Host: Prof. Masdeu, May 31, 2005.

Emory University, Atlanta, GA. Neuroimaging Advances in AD and MCI: from diagnosis to therapy. Invited speaker, Grand Rounds Series Department of Neurology. Host: Prof. Allan Levey, August 17th 2007.

Shutters on the Beach, Santa Monica, CA. Neuroimaging of Neurologic Disorders. Invited speaker, CME conference "Optimizing Management of Neurological Disorders". Course Chair: Prof. Jeffrey L. Cummings, November 17th, 2007.

University of Michigan, Ann Arbor, MI. Neuroimaging Advances in AD and MCI: from diagnosis to therapy. Invited speaker, Grand Rounds Series Department of Neurology. Host: Prof. Henry Paulson, November 21, 2007.

American Academy of Neurology Dinner Seminar 2DS.004 " Management of Common Behavioral Disturbances in Dementia", 60th AAN meeting, Chicago IL, April 12th, 2008.

Alzheimer's Disease Summit, *Expert Panel member and presenter*. Chaired by Prof. Jeffrey L. Cummings and Prof. Pierre Tariott, Washington, DC, May 3rd 2008.

Mild Cognitive Impairment Symposium: Neuropsychiatric Presentations of Amnestic and Non-amnestic MCI syndromes. Invited Speaker. Chair: Ranjan Duara. Miami, FL, March 27-28, 2009.

University of Wisconsin, Madison, WI. Structural imaging biomarkers for Alzheimer's and Parkinson's disease dementia, Grand Rounds Series Department of Neurology. Host: Cindy Carlsson, April 15, 2009.

University of California, San Diego. "Neuroimaging Tools for Early Diagnosis of Alzheimer's Disease". Invited speaker, Host: Prof. Edward Koo, January 19, 2010.

Baylor University, Houston, Texas. Neuroimaging Tools for Early Diagnosis of Alzheimer's Disease. Host: Prof. Rachelle Doody, August 2, 2010.

Annual Beeson Conference, Asheville, NC. My Beeson Journey. September 23, 2010.

University of Iowa. Imaging and Genetic Biomarkers for Alzheimer's disease. Grand Rounds series, Host: Prof. George Richerson, May 17, 2011

University of California San Francisco. Imaging and Genetic Biomarkers for Alzheimer's disease. Grand Rounds series, Host: Prof. Bruce Miller, June 17, 2011.

University of Kentucky. Imaging and Genetic Biomarkers for Alzheimer's disease. Grand Rounds series, Host: Prof. Joseph Berger, January 2, 2012.

CME Getaways Course for Primary Care, Family Practice, Neurology and Psychology medical professionals. Four CME lectures given: "Alzheimer's Disease or Dementia", "Essential Tremor, Parkinson's disease and Other Movement Disorders", "Headache" and "Patient Case Challenges in Neurology". Host: Foundation for Improving Patient Risk Assessment and Outcomes, Roosevelt Hotel, New York, NY. December 7-9, 2012.

American Pharmacists Association 2013 Annual Meeting. CME lecture: "Pathophysiology and Trajectory of Dementia: Lessons Learned from ADNI". Host: American Pharmacists Association, March 3, 2013.

University of Washington, Seattle. Biomarker Development for Neurodegenerative Diseases. BAND seminar guest speaker. Host: Thomas Montine, MD. January 28, 2013.

University of Washington, Seattle. Biomarkers and Biosignatures. ISIC seminar guest speaker. Host: Thomas Grabowski, MD. January 28, 2013.

Indiana University, Indianapolis. Biomarker Development for Neurodegenerative Diseases. Grand Rounds Speaker. Host: Andrew Saykin, PsyD. April 3, 2013.

Southern California Alzheimer's Disease Research Center Conference. Amyloid-Beta and Beyond: Clues from Biosignatures. Hosts: Frak LaFerla, PhD. April 5, 2013.

University of Washington, Seattle. Alzheimer's disease Heterogeneity: Clues from Imaging Genetics. Grand Rounds Speaker. Hosts: Thomas Montine and Thomas Grabowski, MD. May 9, 2013.

University of South Carolina, Charlestown. Amyloid-Beta and Beyond: Clues from Biosignatures. Grand Rounds Speaker. Host: Bruce Obviagele, MD. September 11, 2013.

VA Los Angeles Ambulatory Care Center. A Closer Look into the Diagnosis of Alzheimer's Disease: A Case-based Approach to Utilizing Amyloid-PET Imaging in Clinical Practice. Grand Rounds Speaker. October 22, 2013.

Holly Cross Hospital, Chicago IL. A Closer Look into the Diagnosis of Alzheimer's Disease: A Case-based Approach to Utilizing Amyloid-PET Imaging in Clinical Practice. Grand Rounds Speaker. October 30, 2013.

University of Michigan, Ann Arbor, MI. Amyloid-Beta and Beyond: Biomarker Development in AD. Invited speaker, Grand Rounds Series Department of Neurology. Host: Prof. Henry Paulson, December 19, 2013.

VA hospital Danville, Illinois. A Closer Look into the Diagnosis of Alzheimer's Disease: A Case-based Approach to Utilizing Amyloid-PET Imaging in Clinical Practice. Grand Rounds Speaker. April 9, 2014.

2014 Alzheimer's Disease Research Conference. CME lecture: Amyloid-Beta and Beyond: Clues from Biosignatures. University of California, Irvine. September 12, 2015.

Webcast CME lecture: Broadening the Role of Amyloid Imaging: How Biomarkers Advances Can Improve Early Diagnosis and in Clinical Development in Alzheimer's Disease. September 22, 2014.

Mount Sinai Medical Center. Imaging Biomarkers for AD: Past, Present and Future. Host: Mary Sano, PhD. November 3, 2014.

American Pharmacists Association 2015 Annual Meeting. CME lecture: "The Alzheimer's Therapeutic Pipeline". Host: American Pharmacists Association, March 28, 2015.

American Pharmacists Association 2015 Annual Meeting. CME lecture: "Amyloid Plaque Imaging". Host: American Pharmacists Association, March 28, 2015.

Webcast CME lecture: Meet the Experts: Case studies in the Differential Diagnosis of Alzheimer's Disease (case 1). April 29, 2015

Webcast CME lecture: Meet the Experts: Case studies in the Differential Diagnosis of Alzheimer's Disease (case 2). June 28, 2015

Webcast CME lecture: Meet the Experts: Case studies in the Differential Diagnosis of Alzheimer's Disease (case 3). June 24, 2015

University of California, Department of Internal Medicine. Grand Rounds: Imaging Biomarkers for Alzheimer's Disease: Past, Present and Future. September 2, 2015.

Webcast CME lecture series –Specialty Physician Education Center – three topics covered: AD: Diagnosis and Management; Disease Progression and Treatment Strategies in the Management of AD; Effective Strategies in Patient Communication and Coordination of Care. 2016

Academy of Managed Care Pharmacy meeting, CME lecture: A 3D View: Towards an Early Diagnosis and Management of Alzheimer's Disease and its Comorbidities Aimed to Maximize the Value of New Therapies. San Francisco, April 21, 2016.

12th Annual ARMADA Specialty Pharmacy Summit, CME lecture: A 3D View: Towards an Early Diagnosis and Management of Alzheimer's Disease and its Comorbidities Aimed to Maximize the Value of New Therapies. Las Vegas, May 4, 2016.

The DETECT Initiative: Recognizing and Treating Alzheimer's Disease: Moving Towards Early Diagnosis and Disease Management – CME lecture series. Boston, MA April 2, 2016; Phoenix, AZ April 12, 2016; Orlando, FL April 28, 2016; Chicago 7/12/16; Baltimore 8/17/16; Chicago 9/10/16, Los Angeles 9/14/2016; New York 9/20/2016; Boston 9/27/2016; Washington DC 10/22/16, Seattle 10/13/16, Saint Louis 11/5/16, Baltimore 11/12/16, Los Angeles 1/18/17, Seattle 2/1/17 and Santa Monica 9/19/17

Advance Research and Care Symposium. How Early Can We Diagnose AD? Dallas, TX. January 20, 2018

40th Annual AAGP Meeting. Tackling the heterogeneity of early Onset AD. Symposium speaker. Honolulu, HI. March 18, 2018.

Cedars Sinai Medical Center, Understanding AD Heterogeneity -a Path towards Precision Medicine. Grand Rounds Series. Host: Nancy Sicotte, May 24, 2019.

Mayo Clinic Rochester, Visiting Professor and Grand Rounds Speaker. Understanding AD Heterogeneity – a Path Towards Precision Medicine, Host: David Jones, September 16-17, 2019

Mayo Clinic Rochester. Case Presentations. September 17, 2019

2019 Neuroepiomics Conference. Keynote speaker. Imaging in Early Onset AD and the LEAD Study. Host: Sudha Seshadri. San Antonio, TX. October 19, 2019

PacRim 2020 lecture. Understanding AD Heterogeneity -a Path towards Precision Medicine. Feb 6, 2020

CME Institute lecture series: Diagnosis of Early-Stage Alzheimer's Disease and How Emerging Treatments May Address Unmet Needs. Webcast series – Early-Stage Alzheimer's Primer: Pathophysiology, Diagnosis and Assessment; Talking with Patients and Care Partners about Treatment Goals and Challenges in Early-Stage Alzheimer's Disease; Can Emerging Therapies Resolve Unmet Needs with Current Treatment in Early-Stage Alzheimer's Disease, October 20 2020

2020 Fall ADRC Meeting, Neuropathology Session. Clinicopathologic Complexities – the multi-proteinopathy problem. October 2, 2020

2021 American Pharmacist Association Symposium Speaker: Use of F¹⁸ Flortaucipir for Mapping Tau Pathology, March 13, 2021

Local CME or equivalent Lectures:

University of Iowa, Iowa City. Measuring cortical atrophy in dementia. Grand Rounds series: Residents Research presentations, June 18, 2002.

University of Iowa, Iowa City. Measuring regional differences of gray matter loss in neurodegenerative disorders, Grand Round series: Residents Research presentations, June 17, 2003.

University of Iowa, Iowa City. Neurology Registered Nurses Development Course. Invited Speaker. Host: Melissa Clark, RN. Neurodegenerative Disorders, October 16, 2003.

Allied Health Staff Meeting, Mid-Valley Comprehensive Health Center, Van Nuys, CA. Facing dementia. Invited Speaker. March 4, 2005.

University of California, Department of Neurology. Advancing Neuroimaging in Alzheimer's disease and mild cognitive impairment. Invited Speaker, Grand Rounds series, Host: Prof. Chris DeGiorgio February 25th, 2006.

University of California, Los Angeles, CA. 3D Mapping of Alzheimer's Disease Progression *in vivo*. Invited speaker, Grand Rounds Series Department of Geriatric Psychiatry. Host: Prof. Anand Kumar, February 26, 2008.

35th UCLA Family Practice Refresher Course, Century Plaza Hotel, Los Angeles. Alzheimer's Disease: an update. Chair: Martin Quan, MD. May 21, 2008.

University of California Los Angeles. Automated diagnostic classifiers using imaging, genotyping, and gene expression data. Grand Rounds series, Host: Brent Fogel, May 4, 2011.

University of California Los Angeles. Imaging biomarkers for cognitive decline in Parkinson's disease. Parkinson Disease Colloquium Series, January 16, 2013.

Antelope Valley Hospital. What is new in Alzheimer's disease? Antelope Valley Neurology Conference, September 13, 2013.

Indiana University, Alzheimer's Disease Imaging Biomarkers: Past, Present and Future. Psychiatry Grand Rounds. September 23, 2016

IADC Fall Research Symposium. Tackling the Heterogeneity of Early Onset AD – the LEAD study. October 5, 2017

IU SON Grand Rounds. Tackling the Heterogeneity of Early Onset AD. January 5, 2018

2018 Alzheimer Association Education Conference. The IDEAS and LEADS Clinical Studies: Who, What, Where and Why? May 4, 2018

2018 IUPUI Scientific Spring Symposium, Early Onset AD – the LEAD study. May 7, 2018

2019 Annual Meeting of the Greater Indiana Society for Neuroscience. Keynote Speaker: Understanding AD Heterogeneity -a Path towards Precision Medicine. March 22, 2019

2019 CTSI Annual meeting – Alzheimer Disease Research Panel participant, Indiana University, September 13, 2019

2019 Indiana Life Sciences Summit. Keynote speaker: Alzheimer Disease Research Update, September 26, 2019

IU Psychiatry Grand Rounds. Deciphering AD Heterogeneity – a Path towards Precision Medicine. January 24, 2020.

IU Neurology Grand Rounds. Debunking the Myths about Alzheimer's Disease – Part I. February 3, 2021

IU Neurology Grand Rounds. Debunking the Myths about Alzheimer's Disease – Part II. February 17, 2021

Local non-CME Teaching Presentations:

Mild cognitive impairment, University of Iowa, Iowa City, IA, December 4, 2002.

Functional neuroimaging of fetal speech perception, Neuropsychology Seminar Series, University of Iowa, Iowa City, IA, January 28, 2003.

Alzheimer's disease – update from the 1st Annual Dementia Congress, University of Iowa, Iowa City, IA, April 7, 2003.

Anticholinergic therapy for vascular dementia, University of Iowa, Iowa City, IA, April 16, 2003.

Clinical Dementia Rating Scale (CDR) – ADRC Journal Club, UCLA, December 1, 2003.

How Does the Brain Handle Multiple Languages? – ADRC Journal Club, UCLA, December 15, 2003.

Animal Scale-up - ADRC Journal Club, UCLA, February 23, 2004.

Clinico-pathologic series under the Brain Matters Conference series – total of 10 presentations given in 2003-2005.

The Neurological Exam for Non-Neurologist Trialists - ADRC Journal Club, UCLA, June 21, 2004.

Alzheimer's disease – early diagnosis and therapy, Neurology Residents Education Series, UCLA, July 2, 2004.

Driving and dementia - ADRC Journal Club, UCLA, August 9, 2004.

Random Error, Confounding, and Effect Modification (Part I)- ADRC Journal Club, UCLA, January 31, 2005.

Random Error, Confounding, and Effect Modification (Part II) – ADRC Journal Club, UCLA, February 28, 2005.

Cost effectiveness of PET - ADRC Journal Club, UCLA, April 18, 2005.

University of California, Department of Neurology. Advancing Neuroimaging in Alzheimer's disease and mild cognitive impairment: where next? Brain Matters Seminar Series, Invited Speaker, Host: Dr. John Ringman, November 21st, 2005.

Greater Los Angeles VAMC, Los Angeles, CA. Neuroanatomical variation of the human brain. Invited Speaker, Neurobehavior Grand Rounds series, Neurobehavior Grand Rounds series, Host: Prof. Mario Mendez, May 27, 2004.

Greater Los Angeles VAMC, Los Angeles, CA. Emotion – part I and II. Invited Speaker, Neurobehavior Grand Rounds series, Host: Prof. Mario Mendez, March 3 and March 10, 2005.

Greater Los Angeles VAMC, Los Angeles, CA. Delusional Misidentification. Invited Speaker, Neurobehavior Grand Rounds series, Host: Prof. Mario Mendez, April 7, 2005.

Greater Los Angeles VAMC, Los Angeles, CA. Alzheimer's disease- clinical and research updates, Geriatrics Fellow Conference, Invited Speaker, January 25th, 2007.

University of California, Los Angeles. Computational anatomy methods for structural MRI analyses of neurodegenerative disorders. Dept. Pediatrics Research Methods Conference, Invited Speaker, Host: Asst. Prof. Kuk-Wha Lee, February 22nd, 2007.

Harbor UCLA Medical Center, Torrance, CA. Cognitive aging and dementia. Neuroscience Conference Series, Department of Neurology. Host: Dr. Danny Benmoshe, September 21, 2007.

Cortical and hippocampal changes in MCI and AD. Brain Mapping Seminar, UCLA. Host: Prof. Jeffrey Alger, November 14th, 2007.

3D mapping of Alzheimer's disease progression in vivo. Alzheimer's disease Research Forum, UCLA. Host: John Ringman. December 3rd, 2007.

University of California, Los Angeles. Alzheimer's Disease Research Forum: "Structural neuroimaging tools for early diagnosis of Alzheimer's disease". Invited speaker, Host: Joshua Grill, February 1, 2010.

University of California, Los Angeles. Alzheimer's Disease Research Forum: "The Alzheimer's Disease Neuroimaging Initiative Grand Opportunity (ADNI-GO)". Invited speaker, Host: Joshua Grill, March 8, 2010.

University of California, Los Angeles. Alzheimer's Disease Research Forum: Dementia Clinicopathologic Conference. Invited speaker and case discussant. Host: Joshua Grill May 24, 2010.

University of California, Los Angeles. Alzheimer's Disease Research Forum: Imaging and Genetic Biomarkers for Alzheimer's disease. Invited Speaker. Host: Josh Grill, PhD, October 15, 2010

University of California, Los Angeles. Early dementia case presentation. Genetics Affinity Group. Invited speaker and case discussant. Host: Brent Fogel, MD, PhD. May 3, 2012.

University of California, Los Angeles. Imaging Biomarkers for cognitive decline in Parkinson's disease. Invited speaker. Host: Marie-Francoise Chesselet, PhD. January 16, 2013.

University of California, Los Angeles. Alzheimer's Disease Research Forum: "Utility of Amyvid PET in the Memory Disorders Clinic: case series". Invited speaker, Host: Joshua Grill, February 4, 2013.

Indianapolis, IN. Annual HOPP Caregiver Conference. Keynote Speaker – Understanding Aging and Alzheimer's Disease. Invited Speaker. Host: Guy Harling, September 7, 2018.

Indiana University. Clinicopathologic Series. January 24, 2019; April 25, 2019; July 25, 2019; September 26, 2019; October 17, 2019; December 17, 2020; January 21, 2021

Indiana University. Understanding AD heterogeneity – the path towards precision medicine. Medical Student's Summer Lecture. June 24, 2020

Graduate Class Teaching:

Nursing 321 Pathophysiology for Advanced Practice Nurses, Guest lecturer "Mechanism of Neurologic Diseases", UCLA, Fall Quarter, November 7 2012, 90 participants

Medical Student's Neurology Clerkship Lecture, "Dementia", UCLA, 40-50 participants, August 6, 2012; September 10, 2012; November 5, 2012.

Neurologic Emergencies Lecture Series for 3rd and 4th year medical students, UIHC. Headache syndromes, 2002-2003.

Clinical Fundamentals Course, 2nd year medical students, UCLA, 2003-2007.

HBD 405 Problem Based Learning Block 4, Small Group Tutor, 1st year medical students, Block Chair: Chris DeGiorgio, UCLA, 2004-2006 and 2008-2010

Problem Based Learning, Clinical Case discussions, 3rd and 4th year medical students, UCLA, 2004-2006

HBD 405, Dementia Clinico-pathologic Conference for 1st year medical students. Invited speaker and case discussant, Host: Prof. Harry Vinters. UCLA, 2006-present

Neuroscience 272/172 and Psychology 213 Guest lecturer, UCLA, 2006

Magnetic Resonance Imaging in Neurology, Lecture for 1st year medical students during their Neuroscience rotation, UCLA, April 26, 2005.

University of California, Los Angeles, Neuroscience 272/172 and Psychology 213 Guest lecturer. Neuroimaging in neurodegeneration and dementia. Invited Speaker, Host: Dr. Ivo Dinov, February 7, 2006.

University of California Los Angeles. Dementia: a practical approach to diagnosis and treatment. Medical student lecture. October 24, 2011.

University of California, Los Angeles. Dementia Clinico-pathologic Conference for medical students. Invited speaker and case discussant, Host: Prof. Harry Vinters. June 5, 2006.

University of California, Los Angeles. Dementia Clinico-pathologic Conference for medical students. Invited speaker and case discussant, Host: Prof. Harry Vinters. January 28, 2008.

University of California, Los Angeles. Dementia Clinico-pathologic Conference for medical students. Invited speaker and case discussant, Host: Prof. Harry Vinters. January 27, 2009.

University of California Los Angeles. Dementia. MSTAR lecture series. June 28, 2011.

University of California Los Angeles. Clinical and Therapeutic Aspects of Alzheimer's Disease. Medical Student Neurology lecture series. August 6, 2012.

IUPUI Behavioral Neurology series. Differential Diagnosis of Dementing Disorders: Alzheimer's and Frontotemporal Dementia. March 16, 2016.

IUPUI Psychiatry Lecture series. Genetics and Neuroimaging of AD. March 17, 2017

IUPUI Neurology Lecture Series. Alzheimer's and Frontotemporal Dementia. April 6, 2018

IUPUI Psychiatry Lecture series. Neuroimaging in Dementia. April 11, 2018 and January 25, 2019

N711 Translational Neuroscience of Neurodegenerative Diseases Graduate class. Frontotemporal Dementia. February 25, 2016, February 28, 2017, February 6, 2018 and February 26, 2019

IUPUI Neurology Lecture Series. Neuroimaging in Dementia. October 11, 2019.

IBMG/MNEU-N880 Advanced Topics in Medical Neuroscience. Tauopathies. Lecture – February 9, 2021.

IBMG/MNEU-N880 Advanced Topics in Medical Neuroscience. Tauopathies. Journal Club– February 16, 2021

International Preceptorships:

University of California, Los Angeles. Chinese Neuroscience Visitor Preceptorship. Imaging core of the ADRC, ADNI, neuroimaging research updates. Invited speaker, Host: Prof. Jeffrey L. Cummings, November 14th, 2006.

University of California, Los Angeles. Forest Neuroscience Visitor Preceptorship. Mild Cognitive Impairment. Invited speaker, Host: Prof. Jeffrey L. Cummings, February 26th, 2007.

University of California, Los Angeles. Myriad Neuroscience Visitor Preceptorship. MRI as a biomarker of MCI and AD: Possible application to drug development. Invited speaker, Host: Prof. Jeffrey L. Cummings, March 3rd, 2007.

University of California, Los Angeles. Chinese Neuroscience Visitor Preceptorship. Imaging core of the ADRC, ADNI, neuroimaging research updates. Invited speaker, Host: Prof. Jeffrey L. Cummings, March 13th, 2007.

University of California, Los Angeles. Dutch Neuroscience Visitor Preceptorship. Imaging core of the ADRC, ADNI, neuroimaging research updates. Invited speaker, Host: Prof. Jeffrey L. Cummings, March 19th, 2007.

University of California, Los Angeles. OMN Neuroscience Visitor Preceptorship. Mild Cognitive Impairment: clinical, epidemiological and therapeutic perspectives. Invited speaker, Host: Asst. Prof. John Stern, March 21st, 2007.

University of California, Los Angeles. Forest Neuroscience Visitor Preceptorship. Mild Cognitive Impairment. Invited speaker, Host: Prof. Jeffrey L. Cummings, March 26th, 2007.

University of California, Los Angeles. Medivation Neuroscience Visitor Preceptorship. Mild Cognitive Impairment – the role of MRI imaging. Invited speaker, Host: Prof. Jeffrey L. Cummings, July 25th, 2007.

University of California, Los Angeles. Spanish Neuroscience Visitor Preceptorship. Imaging Research in Dementia. Invited speaker, Host: Prof. Jeffrey L. Cummings, March 31, 2009.

University of California, Los Angeles. Medivation Neuroscience Visitor Preceptorship. Neuroimaging and Biomarkers in AD. Invited speaker, Host: Prof. Jeffrey L. Cummings, April 6, 2009.

University of California, Los Angeles. Wyeth Neuroscience Visitor Preceptorship. Imaging Research in Dementia. Invited speaker, Host: Prof. Jeffrey L. Cummings, August 31, 2009.

University of California, Los Angeles. Brazilian Neuroscience Visitor Preceptorship. Neuroimaging and Biomarkers in AD. Invited speaker, Host: Prof. Jeffrey L. Cummings, September 10, 2009.

University of California, Los Angeles. Australian Preceptorship. Imaging Research in Dementia. Invited speaker, Host: Joshua Grill, PhD, August 19, 2010.

University of California, Los Angeles. Australian Preceptorship. Imaging Research in Dementia. Invited speaker, Host: Joshua Grill, PhD, June 14, 2011.

University of California, Los Angeles. Australian Preceptorship. Imaging Research in Dementia. Invited speaker, Host: David Teplow, PhD, December 14, 2011

Community Presentations:

Memory Loss and Alzheimer's Disease. Hollywood Senior Multipurpose center/Foster Grandparents, September 16, 2005

Memory Loss and Alzheimer's Disease. B'nai Tikvah Congregation, Los Angeles, CA, January 24, 2006

Memory Loss and Alzheimer's Disease. 1st United Methodist Church, Santa Monica, CA, May 23, 2006

Memory Loss and Alzheimer's Disease. Leeza's Place, Sherman Oaks, CA, August 24, 2006

Memory Loss and Alzheimer's Disease. Westside Pavilion, Los Angeles, CA, April 11, 2007

Alzheimer disease – presentation and treatment. Wilshire Boulevard Temple, Los Angeles, CA, September 26, 2007

What Have We Learned: Contribution of Research Participants. Double Tree Hotel, Santa Monica, CA, April 5, 2008

LACMA, Making Art Available to Persons with Dementia Workshop. August 29, 2008

Los Angeles Public Library, Alzheimer Disease: Knowledge Gained Through Research, August 23, 2014

HOPP Keynote Speaker, Understanding Aging and AD. September 6, 2018

Research Mentoring:

Faculty Mentoring:

Sophia Wang, MD, Assistant Professor, Indiana University
Michael Veronesi, MD PhD, Assistant Professor, Indiana University
Daniel Bateman, MD, Assistant Professor, Indiana University
Mieyon Jung, Assistant Professor, Center for Enhancing Quality of Life in Chronic Illness, IUPUI
William Hu, MD, PhD, Assistant Professor, Emory University, Beeson Career Mentor
Shannon Risacher, PhD, Assistant Professor, IUPUI, K01 Mentor
Jill Razani, PhD, Professor, Department of Psychology, Cal State University Northridge
Sophie Sokolow, PhD, Assistant Professor, Department of Nursing, UCLA, K23 mentor
David Clark, MD PhD, Associate Professor in Neurology, MUSC
Ellen Woo, PhD, Assistant Professor in Neurology, UCLA
Mona Beyer, MD, PhD, Assistant Professor, Stavanger University, Stavanger, Norway
Jennifer Hahn, MD, Assistant Professor in Neurology, Kwandong University, Korea

Residents and Fellows:

Matthew Ayers, BNNP Fellow, IUPUI
Patricia Serrano, Geri Psych Fellow, IUPUI
Janelle Haider, Neurology PGY3, Cedars Sinai
Edward Chang, Neurology PGY2, UCLA
Nasheed Jamal, Neurology PGY2-3, UCLA
Johanne Somme, Neurology PGY4, Universidad del Pais Vasco

Post-Doctoral Students:

Eddie Stage, Postdoctoral Fellow, Department of Neurology, IUPUI
Diana Svaldi, Postdoctoral Fellow, Department of Neurology, IUPUI
Sabina Jafarova, MD, Azaerbaijan Medical University
Rafid Mustafa, MD PhD student, IUPUI School of Medicine
Mieyon Jung, Postdoctoral Fellow, Center for Enhancing Quality of Life in Chronic Illness, IUPUI
Kristy Hwang, BS, MSTAR program medical student, Oakland University
Hedieh Honarpisheh, Post-Doctoral student, UCLA
Valeria Kebets, MSc Clinical Neuroscience graduate, University College London
Dama Awadallah, MD Poznan Medical University
Gabiella Sauder, MD, Medical University of Serbia
Monya De, M.D., UC Irvine graduate
Reza Kanani, M.D.
Faraz Valiaee, M.D.

Graduate Students:

Niraj Shah, MD PhD Student, IUPUI School of Medicine, *Primary Mentor*
Paige Logan, MS, UC Irvine
Eva Aamodt, PhD student, Oslo University
Megan Bertnath, MD PhD student, IUPUI School of Medicine, *PhD Committee Member*
Cecily Swinford, MD PhD student, IUPUI School of Medicine, *PhD Committee Member*
Robyn Wilson, MD Student, Marion University
Mason Tate, BS, IBMG PhD student
Apoorva Bharthur Sanjay, BS, IBMG PhD student, *Primary Mentor*
Sydney Spagna, MD PhD student, IUPUI School of Medicine – research elective
Charanya Muralidharan, BS, IBMG PhD student
Victor Canela, M.S., IBMG PhD student
Vaishnavi Sunil Jadhav, MSc, IBMG PhD student, *PhD Committee Chair*
Eddie Stage, BS, IBMG PhD student, *Primary Mentor*
Tugce Duran, BS, Mugla SK University, Mugla, Turkey
Nicole Chow, BS, Bioengineering Master Student, UCLA
Jennifer Eastman, MA, Brandeis University
Deborah Jiang, MSTAR program medical student, University of Cincinnati Medical Student
Toni Riveros, MSTAR Program medical student, UCLA
Kristen Checksfield, medical student, UCLA STTP Program, UCLA
Jill Kaspar, MSTAR Program medical student, Dartmouth College
Artour Torossian, medical student, Vanderbilt School of Medicine
John Andrawis, MSTAR Program Medical Student, U Chicago
Dimitar Zlatev, medical student, Northwestern University
Christine Chung, medical student, USC
Jeff Lai, medical student, Albert Einstein School of Medicine

Undergraduate Students - SRP or Neuroscience 199 A and B classes:

Stephen Sekoupoulos, B.S., IU SOM Undergraduate premed
Kennedy Quintana, IU Bloomington Pre-med student
Brent Hsu, UCLA undergraduate
Sharon Heng, UCLA undergraduate - *Neuroscience 199A and B*
Allen Rojhani, UCLA undergraduate - *Neuroscience 199A and B*
Albert Jeon, UCLA undergraduate - *Neuroscience 199A and B*
Yiu Ho Au, UCLA undergraduate
Justin Chung, UCLA undergraduate
Stephanie Harin Han, UCLA undergraduate
Neelem Sheikh, UCLA undergraduate
Holvin Louie, UCLA undergraduate
Austin Smith, UCLA undergraduate - *Neuroscience 199A and B*

Brent Hsu, UCLA undergraduate
Sharon Heng, UCLA undergraduate
Allen Rojhani, UCLA undergraduate
Albert Jeon, UCLA undergraduate
Naira Goukasian, BS, UCLA
Shai Porat, BS, University of Central Florida
David Avila, BS, UC Irvine
Anna Blanken, BA, Pomona College
Jenna Osterlund, BA, University of Wisconsin
Yiu Ho Au, UCLA undergraduate
Sona Babakchian, UCLA undergraduate
Yoel Sitbon, UCLA undergraduate
Triet Do, UCLA undergraduate
Vicky Wang, NUY undergraduate
Andreas Lazaris, UC Berkeley undergraduate
Alison Headley, UCLA undergraduate
Sarah Tanaka, Dartmouth undergraduate
Joseph Guzman, UCLA undergraduate
William An, UCLA undergraduate
Luis Medina, BA, Yale University
Neilufar Modiri, UCLA undergraduate - *Neuroscience 199A and B*
Laksh Mital, UCLA undergraduate
Camille Malaat, UC Berkeley undergraduate
Nishad Sathe, UCLA undergraduate
Ani Keshishian - UC Riverside undergraduate
Ryan Bakhit, UCLA undergraduate
Naira Goukasian, UCLA undergraduate
Jocelyn Shimizu, UCLA undergraduate
Hans Boggs, UCLA undergraduate - *Neuroscience 199A and B*
Megan Bernstein, University of Pennsylvania undergraduate
Ali Subat, UCLA undergraduate
Somya Jalan, UCLA undergraduate
Leslie Ramirez, Simmons College undergraduate
Nouchee Vang, UCLA undergraduate
Alexander Zhu, UCLA undergraduate
Sheila Dejbaksh, UCLA undergraduate; UCSD Medical School – *Neuroscience 199A and B*
Christy Anthony, UCLA undergraduate
Nicole Chow, UCLA undergraduate
Benjamin Wang, UCLA undergraduate - *Neuroscience 199A and B*
Artour Torossian, UCLA undergraduate
Diana Kim, UCLA undergraduate
Christine Chung, Undergraduate, Wellesley College; Summer Research Lab Experience
Shuchita Vanda, UCLA undergraduate
Tulsi Thakore, UCLA undergraduate
Kuan-Chung (Bill) Wu, UCLA undergraduate
Mariam Torossian, UCLA undergraduate
Chan Park, UCLA undergraduate
Darlene Tenoyo, UCLA undergraduate
Mai-Linh Tran, UCLA undergraduate
Natalie Achamallah, UCLA undergraduate
Boris Lee, UCLA undergraduate
Charleen Zoumalan, UCSB undergraduate
Kristy Hwang, UCLA undergraduate
Calen Steiner, UCLA undergraduate
Gina Akopyan, UCLA undergraduate

Negar Partiali, UCLA undergraduate
Stacey Kwon, UCLA undergraduate
Vivian Le, UCLA undergraduate

High School Students

Boris Borissov
Kennedy Quintana
Mary Hamilton
Laura Kolmorgen
Riley Kermanian
Nadia Sidiqqi