

CURRICULUM VITAE

05/02/2026

Mitzi Michelle Gonzales

CURRENT POSITION(S):

- 09/2024 Associate Professor
Department of Neurology
Jona Goldrich Center for Alzheimer's and Memory Disorder
Cedars-Sinai Medical Center
- 10/2023 Director of Translational Research, Jona Goldrich Center for Alzheimer's and Memory Disorder
Co-Director, Center of Translational Geroscience
Clinical PhD III, Department of Neurology
Cedars-Sinai Medical Center
- 10/2023 Adjunct Associate Professor
Glenn Biggs Institute for Alzheimer's and Neurodegenerative Diseases
Department of Neurology
University of Texas Health Science Center at San Antonio

PROFESSIONAL CONTACT INFORMATION

Cedars-Sinai Medical Center
Jona Goldrich Center for Alzheimer's and Memory Disorders
Department of Neurology
6500 Wilshire Boulevard, Room 1003
Los Angeles, CA 90048
(424) 315-0228
Mitzi.Gonzales@cshs.org

EDUCATION:

- 2006 B.A., Psychobiology, Occidental College
2011 M.A.; Clinical Psychology, The University of Texas at Austin
2014 Predoctoral Internship, Clinical Psychology, The University of Illinois at Chicago
2015 Ph.D.; Clinical Psychology, The University of Texas at Austin
2017 Clinical Neuropsychology Residency, Veteran Affairs Northern California Health Care System

LICENSURE:

- 02/2016 – 08/2026 CA, Clinical Psychology 28558
02/2018 – 11/2025 TX, Clinical Psychology 36697 (*inactive status*)

BOARD CERTIFICATION:

- 11/2019 – 11/2029 Clinical Neuropsychology, American Board of Professional Psychology

PREVIOUS POSITIONS:

- 10/2017 – 06/2021 Assistant Professor/Clinical, Glenn Biggs Institute for Alzheimer's and Neurodegenerative Diseases, Department of Neurology, University of Texas Health Science Center at San Antonio
- 07/2021 – 08/2022 Assistant Professor, Glenn Biggs Institute for Alzheimer's and Neurodegenerative Diseases, Department of Neurology, University of Texas Health Science Center at San Antonio

09/2022 – 10/2023	Antonio Associate Professor with Tenure, Glenn Biggs Institute for Alzheimer’s and Neurodegenerative Diseases, Department of Neurology, University of Texas Health Science Center at San Antonio
10/2022 – 10/2023	Associate Professor with Tenure, Department of Radiology, University of Texas Health Science Center at San Antonio

PROFESSIONAL ACTIVITIES:

Institutional Committee Services:

01/2019 – 01/2019	Pilot Grant Review Committee, UTHSA Department of Medicine
10/2019 – 10/2023	Conflict of Interest Committee, UTHSA
09/2021 – 06/2022	Hospital Operating Board Committee, UTHSA
01/2022 – 10/2023	Taskforce for Women in Science, UTHSA ^[SEP]
01/2022 – 10/2023	Brain Health Building Programming Advisory Committee, UTHSA
01/2024 – 01/2025	Grand Rounds Committee, Department of Neurology, Cedars-Sinai
1/2024 – Present	Biobank Committee, Department of Neurology, Cedars-Sinai
04/2024 - 06/2024	Mentor, Accelerator Program, Cedars-Sinai
04/2024 - 06/2024	Pilot and Scholar Awards Grant Review Committee, Center for Translational Geroscience, Cedars-Sinai
06/2024 - Present	Aging and Healthspan Steering Committee, Cedars-Sinai
11/2024 – Present	Community Advisory Board Leader, Goldrich Center for Alzheimer’s and Memory Disorders, Cedars-Sinai.
06/2025-08/2025	Department of Neurology and Goldrich Center for Alzheimer’s and Memory Disorders Website Improvement, Cedars-Sinai
06/2025 – 08/2025	Teaching Academy Planning Committee, Cedars-Sinai.
02/2026 – Present	Educator’s Academy Steering Committee, Cedars-Sinai.

Other Committee Services:

10/2016 – 10/2019	Scientific Advisory Committee, American Psychological Association Division 40
01/2018 – 01/2019	Board Member, Bexar County Psychological Association
01/2018 – 06/2022	Cognitive Consensus Review Committee, Framingham Heart Study
06/2018 – 10/2023	Clinical Core Committee, MarkVCID
01/2020 – 10/2023	Steering Committee, Texas Alzheimer’s Research Care Consortium
04/2020 – 04/2022	Grant Review Committee, American Academy of Clinical Neuropsychology
10/2021 – 10/2021	Neurological, Aging and Musculoskeletal Epidemiology Scientific Review Committee, National Institute on Aging
01/2021 – Present	National Scientific Advisory Council, American Federation for Aging Research
05/2022 – 01/2022	Abstract Review Committee, Texas Alzheimer’s Research Care Consortium
05/2022 – 05/2022	Abstract Review Committee, American Aging Association
06/2022 – 06/2022	Biobehavioral Mechanisms of Emotion, Stress and Health Scientific Review Committee, National Institute on Aging
06/2022 – 06/2022	Abstract Review Committee, Clinical Trials for Alzheimer’s Disease
07/2022 – 07/2022	ZonMw Dementia Research Grant Review Committee, Dutch Ministry of Health
10/2022 – 10/2022	Career Development Facilitating the Transition to Independence Grant Scientific Review Committee, National Institute on Aging
10/2022– 10/2022	Medical Research Council, UK Research and Innovation
11/2022 – 11/2022	U01 Special Emphasis Scientific Review Committee, National Institute on Aging
01/2023 – 01/2023	Abstract Review Committee, Texas Alzheimer’s Research Care Consortium
02/2023 – 02/2023	Career Development Facilitating the Transition to Independence Grant Scientific Review Committee, National Institute on Aging
01/2023 – 01/2024	Scientific Review Committee, National Alzheimer’s Coordinating Center
01/2023 - Present	Cognitive Core Committee, DISCOVERY

03/2023 – 03/2023	U01 Special Emphasis Scientific Review Committee, National Institute on Aging
06/2023 – 06/2023	Abstract Review Committee, Clinical Trials for Alzheimer’s Disease
06/2023 – 06/2023	Social and Environmental Determinants of Health Scientific Review Committee, National Institute on Aging
08/2023– 08/2023	Geroscience & Biology of Aging Grant Review Committee, Hevolution
08/2023– 08/2023	Geroscience Outcomes Consensus Focus Group, Wake Forest University
10/2023– 10/2023	Research Infrastructure Development for Interdisciplinary Aging Studies Scientific Review Committee, National Institute on Aging
11/2023 – 11/2023	San Antonio Pepper Center Pilot and Exploratory Studies Grant Review Committee
12/2023 – 12/2023	Veteran Affairs Neurobiology Grant Review Committee
02/2024 – 02/2024	Social and Environmental Determinants of Health Scientific Review Committee, National Institute on Aging
03/2024 – 02/2026	Neurobiology-D Scientific Merit Review Committee Standing Member, Department of Veteran Affairs
04/2024 - 04/2024	Abstract Review Committee, Alzheimer’s Association International Conference
04/2024 - 04/2024	New Investigator Grant Awards Review Committee, National Alzheimer’s Coordinating Center
04/2024 - 04/2024	Emerging Clinician Scientist Grant Review Committee, Health Research Board of the Republic of Ireland
05/2024 - 05/2024	California Academics Geriatric Institutions Inaugural Conference Poster Judge
06/2024 - 06/2024	Abstract Review Committee, Clinical Trials for Alzheimer’s Disease
09/2024 - 09/2024	Geroscience in Los Angeles Conference Poster Judge
10/2024 - 10/2024	Clinical Neurodegeneration Translational Neuroscience Scientific Review Committee, National Institute on Aging
11/2024 – 11/2024	Oregon Health and Science University Alzheimer’s Disease Research Center Developmental Projects Grant Review Committee
12/2024 – 12/2024	Veteran Affairs Neurobiology Grant Review Committee
01/2025– 01/2025	American Federation of Aging Research Pilot Grant Letter of Intent Reviewer
02/2025 - 02/2025	Abstract Review Committee, Alzheimer’s Association International Conference
06/2025 - 06/2025	Abstract Review Committee, Clinical Trials for Alzheimer’s Disease
06/2025 – Present	Standing Member, Clinical Neurodegeneration and Translational Neuroscience Scientific Review Committee, National Institute on Aging
10/2025 – 10/2025	Scientific Grant Review Committee, Primary Progressive Supranuclear Palsy Association (PSPA)
02/2026– 02/2026	American Federation of Aging Research Pilot Grant Letter of Intent Reviewer
02/2026 - 02/2026	Abstract Review Committee, Alzheimer’s Association International Conference
02/2026 - Present	Dissemination & Implementation Working Group, Claude D. Pepper Older Americans Independence Centers

Professional Associations/Society Memberships:

08/2008 – 08/2016	American Psychological Association
08/2009 – 08/2018	International Neuropsychological Society
06/2013 – 06/2019	American Psychological Association Division 40
08/2015 – 08/2019	American Academy of Clinical Neuropsychology
04/2018 - Present	Alzheimer’s Association International Society to Advance Alzheimer’s Research and Treatment (ISTAART)
10/2018 – 10/2020	Bexar County Psychological Association
11/2019 – Present	American Board of Professional Psychology
06/2024 – Present	Gerontological Society of America

Community Service:

06/2018 – 10/2023	Presenter/Institutional Representative, UTHSA Dialogues on Dementia
10/2018 – 10/2018	Institutional Representative, Walk to End Alzheimer's Disease
10/2018 – 10/2020	Instructor, UTHSA Caring for the Caregiver Program
10/2019 – 10/2019	Institutional Representative, Walk to End Alzheimer's Disease
03/2021 – 03/2021	Lecturer, San Antonio OASIS Center
10/2022 – 10/2023	Presenter, Texas Public Radio's Think Science Series
10/2022 – 10/2023	Lecturer, Texas Exes San Angelo Chapter
02/2023 – 02/2023	Lecturer, Academy of Learning in Retirement
11/2023 – 11/2023	Institutional Representative, Alzheimer's Association Making Memories Festival
06/2024 – 06/2024	Institutional Representative, Faithful Wellness Health Summit
06/2024 – 06/2024	Institutional Representative, LA Parks & Recreation Brain Health Summit
11/2024 – 11/2024	Institutional Representative, Alzheimer's Association Making Memories Festival
01/2025 – 01/2025	Presenter & Institutional Representative, New Wave Health
01/2025 – 01/2025	Presenter & Institutional Representative, Fil-AM ERG
02/2025 – 02/2025	Institutional Representative, Brain Health & Longevity, Torrance Memorial Medical Center
03/2025 – 03/2025	Presenter & Institutional Representative, Fil-AM ERG
10/2025 – 10/2025	Presenter & Institutional Representative, Westchester Senior Center
11/2025 – 11/2025	Presenter & Institutional Representative, USC Caregivers Are Learning More
01/2026 – 01/2026	Presenter & Institutional Representative, Alzheimer's Association

Mentoring:

06/2018 – 06/2019	Vijaya Valaparla, MD, Glenn Biggs Institute for Alzheimer's and Neurodegenerative Diseases, University of Texas Health Science Center at San Antonio, Research Mentor
06/2018 – 06/2019	Eliana Vasquez, MD, Glenn Biggs Institute for Alzheimer's and Neurodegenerative Diseases, University of Texas Health Science Center at San Antonio, Research Mentor
06/2020 – 06/2021	Pradeepthi Badugu, MD, Glenn Biggs Institute for Alzheimer's and Neurodegenerative Diseases, University of Texas Health Science Center at San Antonio, Research Mentor
06/2020 – 06/2022	Vinutha Ganapathy, MD, Glenn Biggs Institute for Alzheimer's and Neurodegenerative Diseases, University of Texas Health Science Center at San Antonio, Research Mentor
06/2020 – 06/2022	Maryam Bahadori, MD, Glenn Biggs Institute for Alzheimer's and Neurodegenerative Diseases, University of Texas Health Science Center at San Antonio, Research Mentor
09/2020 – 10/2023	Valentina Garbarino, PhD, Glenn Biggs Institute for Alzheimer's and Neurodegenerative Diseases, University of Texas Health Science Center at San Antonio, Research Mentor/Translational Science Training Grant Mentor/ADRC Research Education Scholar Project Mentor
05/2021 – 05/2022	Jelilat Solabi, Glenn Biggs Institute for Alzheimer's and Neurodegenerative Diseases, University of Texas Health Science Center at San Antonio, Research Mentor
07/2021 – 07/2023	Vinu Philip, MD, Glenn Biggs Institute for Alzheimer's and Neurodegenerative Diseases, University of Texas Health Science Center at San Antonio, Research Mentor
07/2021 – 10/2023	Karl Li, MD, PhD., Glenn Biggs Institute for Alzheimer's and Neurodegenerative Diseases, University of Texas Health Science Center at San Antonio, Research Mentor
11/2021 – 10/2023	Ashlie Glassner, School of Nursing, University of Texas Health Science Center at San Antonio, Dissertation Committee Member

12/2022 – 06/2025	Leen Abazid, Department of Radiological Sciences, University of Texas Health Science Center at San Antonio, Dissertation Committee Member
07/2024 – 06/2025	Andrea Musi, Department of Neurology, Cedars-Sinai Medical Center, Undergraduate Internship Mentor
06/2025 – Present	Neda Khanjani, Department of Computational Biomedicine, Cedars-Sinai Health University, Dissertation Committee Member
08/2025 – 12/2025	Alexandra Antenen, Department of Neurology, Cedars-Sinai Medical Center, Undergraduate Internship Mentor
09/2025 – Present	Agata Shamis, Department of Neurology, Cedars-Sinai Medical Center, Undergraduate Internship Mentor
09/2025 – Present	Emily Deutsch, PsyD, Department of Psychiatry, Cedars-Sinai Medical Center, Clinical Neuropsychology Postdoctoral Fellow Supervisor

Editorial Services:

09/2015 – Present	Ad Hoc Reviewer, <i>Psychosomatic Medicine</i>
06/2018 – Present	Ad Hoc Reviewer, <i>Journal of Alzheimer's Disease</i>
06/2019 – Present	Ad Hoc Reviewer, <i>Alzheimer's & Dementia</i>
05/2020 – Present	Ad Hoc Reviewer, <i>International Journal of Environmental Research and Public Health</i>
06/2020 – Present	Ad Hoc Reviewer, <i>Aging & Mental Health</i>
08/2020 – Present	Ad Hoc Reviewer, <i>Frontiers in Aging Neuroscience</i>
09/2020 – Present	Ad Hoc Reviewer, <i>Scientific Reports</i>
09/2020 – Present	Ad Hoc Reviewer, <i>Nutrients</i>
12/2020 – Present	Ad Hoc Reviewer, <i>Journal of Clinical Medicine</i>
12/2020 – Present	Ad Hoc Reviewer, <i>Frontiers in Neurology</i>
01/2021 – Present	Ad Hoc Reviewer, <i>Aging Cell</i>
01/2021 – Present	Ad Hoc Reviewer, <i>Neurobiology of Aging</i>
04/2021 – Present	Ad Hoc Reviewer, <i>Biomarkers in Medicine</i>
01/2022 – Present	Ad Hoc Reviewer, <i>Journal of the American Geriatrics Society</i>
01/2022 – Present	Associate Editor, <i>Journal of Alzheimer's Disease</i>
01/2023 – Present	Ad Hoc Reviewer, <i>Neurology</i>
06/2023 – Present	Ad Hoc Reviewer, <i>JAMA Neurology</i>
10/2023 – Present	Ad Hoc Reviewer, <i>Nature Aging</i>
10/2023 – Present	Ad Hoc Reviewer, <i>Nature Medicine</i>

HONORS AND SPECIAL AWARDS:

08/2010	Selected Fellow, Neuroimaging Training Program, University of California Los Angeles
08/2011	Ira Iscoe Clinical Psychology Graduate Student Award, The University of Texas at Austin
03/2011	Lee Willerman Award for Research Excellence, The University of Texas at Austin
06/2012 – 06/2014	Graduate Dean's Prestigious External Fellowship Supplement, The University of Texas at Austin
08/2012	Ralph and Caroline Helmreich Endowed Fellowship, The University of Texas at Austin
02/2016	Student Liaison Committee Best Research Award, International Neuropsychological Society
05/2020	Selected Scholar, University of Michigan Pepper Center Mock Retreat
06/2020	Best Research Abstract, Biofluid Biomarker Professional Interest Area, International Society to Advance Alzheimer's Research and Treatment (ISTAART)
09/2020	Selected Fellow, Institute on Methods and Protocols for Advancement of Clinical

06/2021	Trials in Alzheimer's Disease (IMPACT-AD)
06/2022	Travel Fellowship, Alzheimer's Association International Conference
03/2023 – 04/2023	Article of the Year, <i>Behavioral Neurology</i> Visiting Scholar, Monash University

RESEARCH AWARDS AND GRANTS:

Current Grants

Period: 09/2025 – 08/2030

Title: Pilot and Exploratory Studies Core, Los Angeles Older Adults Claude D. Pepper Independence Center (LA OAIC) (P30AG094848)

Role: Core Lead (Multiple PI: Sara Espinoza, MD, Jonathan Wanagat, PhD, Pinchas Cohen, MD)

Source of Funding: National Institute on Aging

Direct Costs For 2025: \$225,604 Total Direct Costs: \$1,128,020

The Pilot / Exploratory Studies Core (PESC) advances the LA OAIC's central mission of accelerating the field of translational geroscience through the solicitation, selection, and support of innovative research studies that have strong potential to contribute to discoveries integral for advancing and extending human healthspan.

Period: 09/2025 – 08/2030

Title: The Microvascular Aging Effects - Women's Evaluation of Systemic aging Tenacity in Heart, Brain and Frailty (MAE-WEST HBF) (U54AG094168)

Role: Co-Investigator (PI: Noel Bairey Merz, MD))

Source of Funding: National Institute on Aging

Direct Costs For 2025: \$1,497,502 Total Direct Costs: \$7,487,510

The overall goal is to identify "commonality" of mechanistic contributions to heart failure with preserved ejection fraction, cerebral small vessel disease, impaired cognition, Alzheimer's disease, and frailty in order to provide insight to plan future multi-organ preventive aging treatment targets.

Period: 06/2025 – 06/2026

Title: Small vessel disease in the heart and brain: Identifying biomarkers for dementia treatment targets

Role: Co-Investigator (PI: Noel Bairey Merz, MD)

Source of Funding: Louis B. Mayer Foundation

Direct Costs For 2025: \$40,000 Total Direct Costs: \$40,000

The goal is to evaluate if cerebral small vessel disease is associated with biomarkers for Alzheimer's disease and related dementias among individuals with coronary microvascular dysfunction.

Period: 09/2024 – 09/2029

Title: Cerebral tau deposition and comorbid cerebrovascular disease across the Alzheimer's disease continuum in Mexican Americans (R01AG085571)

Role: Principal Investigator (Multiple PI: Mohamad Habes, PhD, Jon Toledo, MD, PhD)

Source of Funding: National Institute on Aging

Direct Costs For 2024: \$2,919,399 Total Direct Costs: \$12,846,775

The goal is to develop and validate novel artificial intelligence-derived tau PET signatures for Alzheimer's disease and understand the interactions with cerebrovascular disease in Mexican American older adults.

Period: 09/2024 – 09/2025

Title: Targeting biology of aging mechanisms underlying Alzheimer's disease risk with Metformin (R01AG089711)

Role: Principal Investigator (Multiple PI: Sara Espinoza, MD, Nicolas Musi, MD)

Source of Funding: National Institute on Aging

Direct Costs For 2024: \$828,960 Total Direct Costs: \$2,500,000

The project goal is to examine how biological aging pathways and hallmarks, separately and collectively, contribute to neurodegenerative disease risk in older adults.

Period: 07/2024 – 09/2025

Title: Clinical Significance of White Matter Lesions on MRI among Diverse Population with Cognitive Complaints (U19NS120384)

Role: Site Principal Investigator (PIs: Charles DeCarli, MD, Myriam Fornage, PhD)

Source of Funding: National Institute of Neurological Disorders and Stroke

Direct Costs For 2023: \$7,188,979

This is a multi-site study across multiple academic centers in the nation, which aims to improve biomarkers of small vessel disease and vascular cognitive impairment in a diverse cohort.

Period: 09/2023 – 09/2028

Title: A Population-Based Latinx Community Study of Alzheimer's Disease (UH2AG083289)

Role: Co-Investigator (PI: Kumar Bharat Rajan PhD)

Source of Funding: National Institute on Aging

Direct Costs: \$2,500,000

The goal of the project is to develop a research infrastructure to evaluate risk for Alzheimer's disease in a Latinx community-based cohort.

Period: 06/2024 – 06/2027

Period: 05/2022 – 05/2027

Title: Characterizing Older Mexican (American) Participation in Activity Digitally Reliably and Ecologically with the CART Platform (COMPADRE CART): Implications for Cognition and ADRD (R01AG077472)

Role: Principal Investigator

Source of Funding: National Institute on Aging

Direct Costs For 2023: \$756,419 Total Direct Costs: \$2,500,000

This grant aims to leverage digital to evaluate real-world physical, cognitive, and social activity patterns associated with risk and resilience to cognitive decline in Mexican American older adults

Period: 10/2022 – 10/2024

Title: Genetic risk for trajectories of cognitive decline and progression to dementia among Mexican Americans and non-Hispanic whites (R21AG075791)

Role: Consultant (PI: Xueqiu Jian, PhD)

Direct Costs For 2022: \$302,050 Total Direct Costs: \$600,000

Leveraging the multi-ethnic Texas Alzheimer's Research and Care Consortium research cohort with extensively collected longitudinal cognitive and genetic data, we aim to explore the effects of genetic variations on the trajectories of cognitive decline and progression to dementia in Mexican Americans and non-Hispanic whites.

Period: 10/2022 – 10/2027

Title: Identifying ADRD intervention targets by characterizing neurobiological mechanisms of social isolation, loneliness, and social environment using novel imaging, molecular markers, and machine learning (R01AG079282)

Role: co-Investigator (PI: Joel Salinas, MD)

Source of Funding: National Institute on Aging

Direct Costs For 2023: \$672,532 Total Direct Costs: \$2,500,000

The goal of the study is to evaluate the influence of social isolation, loneliness (SIL), and social environments on brain biology and trajectories of healthy neurocognitive aging and AD/ADRD vulnerability.

Past Grants

Period: 09/2012 – 09/2014

Title: Neuroimaging Obesity Related Brain Vulnerability (1F31AG040890)

Role: Principal Investigator

Source of Funding: National Institute on Aging

Direct Costs For 2012: \$37,136 Total Direct Costs: \$74,272

This is competitive pre-doctoral award that undergoes review through NIH. The goal of the application was to evaluate neuroimaging markers associated with obesity and related metabolic disorders.

Period: 08/2018 – 08/2020

Title: Establishing Novel Blood-Based Biomarkers for Alzheimer's Disease in the Texas Alzheimer's Research and Care Consortium Role: Principal Investigator

Source of Funding: Texas Alzheimer's Research and Care Consortium (TARCC)

Total Direct Costs: \$220,000

This is a competitive award that undergoes review through experts in the field affiliated with the Texas Alzheimer's Research and Care Consortium. The goal of the project is to validate novel blood biomarkers for Alzheimer's disease.

Period: 06/2019 – 06/2020

Title: Pilot study to Investigate the Safety and Feasibility of Senolytic Therapy in Older Adults with Early Alzheimer's Disease

Role: Principal Investigator

Source of Funding: UTHSA Center for Biomedical Neuroscience Pilot Award

Total Direct Costs: \$50,000

This is a competitive award that undergoes review through experts at UTHSCSA. The goal of the project is to evaluate the safety, tolerability, and feasibility of senolytics for a novel therapeutic intervention for early-stage Alzheimer's disease.

Period: 06/2020 – 06/2021

Title: A Pilot Investigation of Wearable Devices to Detect REM Sleep Behavior Disorder

Role: Principal Investigator

Source of Funding: UTHSA Stevens Parkinson's Disease Center Pilot Award

Total Direct Costs: \$50,000

This is a competitive award that undergoes review through experts at UTHSCSA. The goal of the project is to evaluate the feasibility of using digital devices for detecting REM sleep behavior disorder in individuals with Parkinson's disease.

Period: 07/2020 – 07/2021

Title: Pilot Study of Efficacy and Safety of Rapamycin in Early Alzheimer's Disease

Role: Principal Investigator

Source of Funding: UTHSA Clinical Translational Science Pilot Award

Total Direct Costs: \$50,000

This is a competitive award that undergoes review through experts at UTHSCSA. The goal of the project is to evaluate the safety, tolerability, and feasibility of rapamycin as a novel therapeutic intervention for early-stage Alzheimer's disease.

Period: 06/2020 – 06/2022

Title: Gait IQ: Establishing a Digital Biomarker of Preclinical Alzheimer's Disease (R44AG060855)

Role: Co-Investigator (PIs: Rick Morris, Mini Elizabeth Jacob, Daniel Nicoletta)

Source of Funding: National Institute on Aging

Direct Costs For 2020: \$1,250,606

This is a competitive award that undergoes review through NIH. The goal of the application is to evaluate the diagnostic accuracy of advanced kinematic/spatio-temporal measures of gait captured by a novel markerless technology, GaitIQ™, for preclinical Alzheimer's disease in a sample of Hispanic older adults.

Period: 07/2021 – 10/2023

Title: Clinical Significance of White Matter Lesions on MRI among Diverse Population with Cognitive

Complaints (U19NS120384)

Role: Co-Investigator, Recruitment Site PI (PIs: Charles DeCarli, MD, Myriam Fornage, PhD)

Source of Funding: National Institute of Neurological Disorders and Stroke

Direct Costs For 2023: \$7,188,979

This is a multi-site study across 9 academic centers, which aims to improve biomarkers of small vessel disease and vascular cognitive impairment in a diverse cohort.

Period: 08/2021 – 08/2023

Title: Longitudinal Continuation of the TARCC Hispanic Cohort

Role: Site Principal Investigator (PI: John Hart, MD)

Source of Funding: Texas Alzheimer's Research and Care Consortium (TARCC)

Total Direct Costs: \$1,160,882

The project will evaluate of the roles of genetics, inflammation, cardiovascular, metabolic disorders and other risk factors in the development and progression of Alzheimer's disease and related disorders within Hispanics through a multi-site collaborative effort.

Period: 09/2021 – 10/2023

Title: Multiethnic validation of VCID biomarkers in South Texas (UF1NS125513)

Role: Co-Investigator (PI: Claudia Satizabal, PhD)

Source of Funding: National Institute of Neurological Disorders and Stroke

Direct Costs For 2023: \$972,741

This R01 application aims to extend harmonized cognitive, clinical, neuroimaging, and biomarker data collection in the MarkVCID cohort.

Period: 04/2021 – 09/2023

Title: Phase 2 Trial of Rapamycin for Alzheimer's Disease

Role: co-Principal Investigator, Co-Investigator (PI: Sudha Seshadri, MD)

Source of Funding: Alzheimer's Association Part of the Cloud – Gates

Total Direct Costs: \$2,073,529

This is a competitive award that undergoes review through experts in the field affiliated with the Alzheimer's Association and Gates Foundation. The goal of the project is to establish the safety and feasibility of a Phase 2 randomized, double-blinded placebo-controlled clinical trial of rapamycin for Alzheimer's disease.

Period: 09/2021 – 10/2023

Title: Phase 2 Trial of Senolytics for Alzheimer's Disease

Role: Site Principal Investigator, Co-Investigator (PI: Miranda Orr, PhD)

Source of Funding: Alzheimer's Drug Discovery Foundation – Program to Accelerate Clinical Trials

Total Direct Costs: \$3,500,000

This is a competitive award that undergoes review through experts in the field affiliated with the Alzheimer's Drug Discovery Foundation. The goal of the project is to establish the safety and feasibility of a multi-site phase 2 randomized, double-blinded placebo-controlled clinical trial of senolytic therapy for Alzheimer's disease conducted in collaboration with Wake Forest (PI: Dr. Miranda Orr) and the Mayo Clinic Rochester (PI: Dr. Jim Kirkland).

Period: 09/2021 – 10/2023

Title: South Texas Alzheimer's Disease Research Center Clinical Core (P30AG066546)

Role: Co-Investigator, Clinical Core co-Leader (PI: Gabriel De Erausquin, MD)

Source of Funding: National Institute on Aging

Direct Costs For 2023: \$476,180

The Biggs Institute at UTHSCSA together with UT RGV submitted a P30 application to become an NIA-designated Alzheimer's Disease Research Center (ADRC).

Period: 01/2022 – 10/2023

Title: Neuroinflammatory Blood Biomarkers for Neurodegenerative Disease

Role: Principal Investigator (Multiple PI: Matthew Pase, PhD, Jayandra Himali, PhD)

Source of Funding: Alzheimer's Drug Discovery Foundation – Diagnostics Accelerator Program Aging

Direct Costs: \$671,160

The goal of the project is to validate plasma neuroinflammatory biomarkers to improve differential dementia diagnosis.

Period: 09/2022 – 10/2023

Title: Multiethnic Machine Learning Signatures of ADRD (R01AG080821)

Role: co-Investigator (PI: Mohamad Habes, PhD)

Source of Funding: National Institute on Aging

Direct Costs For 2023: \$706,200 Total Direct Costs: \$2,500,000

Using data from the Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) consortium, made up of 6 large and long-term NIH-funded cohorts with racially diverse participants, we will build new ethnically diverse machine learning models, derive novel neuroimaging machine learning-based brain signatures of ADRD from them, and evaluate their clinical relevance across diverse ethnoracial groups.

RESEARCH FOCUS AND INTERESTS:

My research broadly focuses on identifying mechanisms and biomarkers of advanced age-related cognitive decline and dementia in effort to aid timely diagnosis, monitor progression, and advance treatment discovery. A primary aim is to understand the underlying mechanisms linking biological aging with dementia risk and develop interventions that slow the rate of cognitive decline.

INVITED LECTURES AND PRESENTATIONS:

International Presentations

1. "Blood-based biomarkers for dementia in a predominately Hispanic cohort: the Texas Alzheimer's Research and Care Consortium" Biofluid Based Biomarkers Professional Interest Area Symposium, Alzheimer's Association International Conference, Amsterdam, the Netherlands (virtual), July 25, 2020.
2. "Targeting a specific disease: Using senolytics against Alzheimer's disease" The European Geroscience Task Force, Toulouse, France (virtual), March 23, 2022.
3. "Accuracy of digital devices for sleep monitoring in Parkinson's disease" Neurology Grand Rounds, Monash University, Melbourne, Australia, April 05, 2023.
4. "Genetics from autosomal-dominant to ancestry" Alzheimer's Association International Conference Satellite Symposium, Mexico City, Mexico, May 17, 2023
5. "Cerebrospinal fluid amyloid and tau assessed by mass spectrometry in an open-label pilot study of rapamycin" AD/PD Annual Conference, Vienna, Austria, April 5, 2025.
6. "Mechanisms of mTOR inhibition to restore brain and gut health in neurodegeneration" Brain & Brain PET Conference Annual Meeting, Seoul, South Korea, June 4, 2025.

National Presentations

1. "Divergent influences of multiple cardiovascular risk factors on cognition, grey and white matter morphology" International Neuropsychological Society, Boston, MA, February 08, 2016.
2. "Establishing novel blood-based biomarkers for Alzheimer's disease" Texas Alzheimer's Research Care Consortium Symposium, Austin, TX, January 30, 2018.
3. "Senolytic therapy for Alzheimer's disease" Barshop Conference on Aging, Bandera, TX, October 11, 2019.
4. "Innovations in blood-based biomarkers for Alzheimer's disease" Texas Alzheimer's Research and Care Consortium Symposium, Austin, TX, January 30, 2020.

5. “Geroscience approaches for understanding and treating Alzheimer’s disease”. The Anne Klibanski Visiting Lecture Series at Massachusetts General Hospital, Boston, MA (virtual), February 02, 2021,
6. “Cellular senescence as an etiological factor underlying Alzheimer's disease” The Alzheimer’s Clinical and Translational Research Unit at Massachusetts General Hospital, Boston, MA (virtual), February 20, 2021.
7. “Senolytics and Alzheimer’s disease” The Extending Healthspan and Human Longevity Symposium, New York Academy of Sciences, New York, NY (virtual), May 19, 2021.
8. “Rapamycin - Effects on Alzheimer's and Cognitive Health (REACH): A focus on Hispanics in South Texas” Latinos & Alzheimer’s Symposium, San Diego, CA (virtual), May 21, 2021.
9. “Overlap of VCID and AD Biomarkers” Alzheimer’s Disease Research Center Biomarker Symposium, National Alzheimer’s Coordinating Center, Seattle, WA (virtual), November 03, 2021.
10. “Longitudinal continuation of the TARCC Hispanic cohort” Texas Alzheimer’s Research Care Consortium Symposium, Austin, TX, May 12, 2022.
11. “Results of an open-label pilot study of senolytic therapy for Alzheimer’s disease” Institute on Methods and Protocols for Advancement of Clinical Trials in Alzheimer’s Disease (IMPACT-AD), Los Angeles, CA, May 14, 2022.
12. “From bench to bedside: Moving rapamycin into clinical trials for Alzheimer’s disease” American Aging Association Meeting, San Antonio, TX, May 16, 2022.
13. “Rapamycin for Alzheimer’s disease” Alzheimer’s Association International Conference, San Diego, CA, August 04, 2022.
14. “Senolytic Therapy for Alzheimer’s Disease – Results from an Open-Label Pilot Study” Clinical Trials for Alzheimer’s Disease Annual Meeting, San Francisco, CA, December 01, 2022.
15. “ADRD research at UT Health San Antonio” Texas Alzheimer’s Research and Care Consortium External Advisory Board Meeting, Austin, TX, January 25, 2023.
16. “A tale of two geroscience interventions for Alzheimer’s disease” SILQ Center, Washington University School of Medicine, St. Louis, Mo, August 01, 2023.
17. “A pilot study of digital sleep monitors in Parkinson’s disease” The Layton Alzheimer’s Disease Research Center Grand Rounds, Oregon Health & Science University, Portland, OR, August 03, 2023.
18. “Diagnosis and management of lewy body and Parkinson’s disease dementia” Neuropsychology Grand Rounds, University of Wisconsin Madison, Madison, WI (virtual), November 10, 2023.
19. “Senolytic therapy to modulate the progression of Alzheimer’s disease – Pilot Study Results”. Department of Psychiatry and Behavioral Sciences Grand Rounds, SUNY Downstate Health Sciences University, Brooklyn, NY (virtual), January 04, 2024.
20. “Developing integrated centers for geroscience and neurodegenerative diseases”. Institute on Methods and Protocols for Advancement of Clinical Trials in Alzheimer’s Disease (IMPACT-AD) Alumni Meeting, Chicago, IL, June 24, 2024.
21. “Programmatic development of a translational geroscience center” T32 National Institute on Aging Translational Science Fellowship Program, Bethesda, MD (virtual), June 27, 2024.
22. “Innovative treatments for Alzheimer’s disease”. Biogen Alzheimer’s Emerging Insights Day, Boston, MA September 21, 2024.
23. “Senolytic therapy as a treatment for Alzheimer’s disease” Northwestern University Geriatrics Grand Rounds, Chicago, IL, September 27, 2024.
24. “Associations of physical activity engagement with cerebral A β and tau PET from midlife” Gerontological Society of America, Seattle, WA, November 16, 2024.

25. "Targeting aging biology for Alzheimer's disease prevention and treatment" USC/UCLA Center on Biodemography and Population Health Annual Conference, Los Angeles, CA, February 21, 2025.
26. "Targeting aging biology for Alzheimer's disease prevention and treatment" USC/UCLA Center on Biodemography and Population Health Annual Conference, Los Angeles, CA, February 21, 2025.
27. "Stage-dependent effects of rapamycin for Alzheimer's disease: Insights from prevention and treatment trials". Gerontological Society of America Annual Meeting, Boston, MA, November 12, 2025.
28. "Novel approaches to geroscience interventions" Chaired session at the Gerontological Society of America Annual Meeting, Boston, MA, November 14, 2025.
29. "Targeting aging biology for the prevention and treatment of ADRD" MIND Seminar, University of California Irvine, Irvine, CA, February 05, 2026.

Regional and Extramural Local Presentations

1. "Understanding and responding to behavioral challenges in dementia" Alzheimer's Association Educational Symposium, Laredo, TX, May 19, 2018.
2. "Dementia care and management" Annual Update in Medicine, Laredo, TX, October 26, 2018.
3. "All in a good night's sleep – Associations with cognition and incident dementia risk" Annual Quanta Research Workshop at University of Texas San Antonio, San Antonio, TX (virtual), May 23, 2020.
4. "Applying geroscience to Alzheimer's disease – A translational approach" . The Neuroscience Research Seminar Series, The University of Texas Rio Grande Valley, Brownsville, TX (virtual), September 28, 2021.
5. "Targeting aging biology for Alzheimer's disease prevention and treatment". Southern California Alzheimer's Disease Centers Research Symposium, Irvine, CA, June 28, 2024.
6. "Alzheimer's disease versus dementia" BlackDoctors.Org, Los Angeles, CA, November 20, 2024.
7. "Aging and Alzheimer's disease: A potential therapeutic path" New Wave Gala, Pasadena, CA, January 29, 2025.
8. "The landscape of ADRD research at Cedars-Sinai Medical Center" Alzheimer's Association, Los Angeles, CA February 11, 2025.
9. "Caring for the mind – Empowering caregivers in supporting brain health" CALM Conference, University of Southern California, Los Angeles, CA, November 8, 2025.
10. "Racing Towards a Cure – the latest advances in ADRD prevention and treatment" Alzheimer's Association Educational Series, Pasadena, CA, January 22, 2026.

Institutional Presentations

1. "Surfing the Career Wave – Why Mentoring Makes a Difference". The University of Texas Health Science Center Breakthroughs in Research, San Antonio, TX, October 17, 2022.
2. "The Landscape of Clinical Trials for Alzheimer's Disease in Texas" The University of Texas Systemwide Brain Health Summit, Austin, TX, November 17, 2022,
3. "Sleep Issues – Efficacy and Sensitivity of Technological Assessments (SIESTA)" The Stevens Parkinson's Disease Center of Excellence, San Antonio, TX, March 17, 2023.
4. "Pilot Study Results Senolytic therapy to modulate the progression of Alzheimer's disease". Center for Translational Geroscience Symposium, Los Angeles, CA, February 28, 2024.
5. "Physical activity as a protective factor for Alzheimer's disease – Does sex matter?" SCORE Education Program, Los Angeles, CA, March 5, 2024.
6. "The intersection between cognitive and physical functioning" Goldrich Center ADRD Basic Science Workgroup, Los Angeles, CA, May 17, 2024.
7. "Promoting brain health awareness in the Filipino American community" Goldrich Center and Fil-AM CARES collaborative session, Los Angeles, CA, January 25, 2025.

8. “Getting under the hood – How to conduct a brief memory evaluation and when to refer” Goldrich Center and Fil-AM CARES CEU, Los Angeles, CA, March 26, 2025.

TEACHING ACTIVITIES:

02/15/2019	Professional and Ethical Issues in Clinical Neuropsychology, Neuropsychology Grand Rounds, Audie Murphy VA
03/15/2019	Big Data and Public Health – Issues in Dementia Research, Joint MD/MPH Program, The University of Texas Health Science Center at San Antonio
03/13/2020	Sleep Disturbance and Dementia, Neuropsychology Grand Rounds, Audie Murphy VA
01/20/2021	Neuropsychological Outcomes Following Organ Transplantation, Neuropsychology Fellowship Didactics, The University of Texas at Austin Dell Medical School
07/20/2022	Lewy Body Dementia, Neuropsychology Fellowship Didactics, The University of Texas at Austin Dell Medical School
12/20/2022	Neuropsychological Outcomes Following Organ Transplantation, Neuropsychology Fellowship Didactics, The University of Texas at Austin Dell Medical School
02/23/2024	Digital Cognitive Assessments, Neurology Resident Didactics, Cedars-Sinai Medical Center
03/19/2024	Introduction to Clinical Neuropsychology, Neurobehavioral Fellowship Didactics, Cedars-Sinai Medical Center
10/10/2024	Research Integration in Clinical Neuropsychology, Neuropsychology Fellowship Didactics, Cedars-Sinai Medical Center
11/20/2024	Cognitive Evaluations for the National Alzheimer’s Coordinating Center, Neurobehavioral Fellowship Didactics, Cedars-Sinai Medical Center
12/11/2024	Differential Dementia Diagnosis, Geriatrics Residency Program, UCLA
12/18/2024	Latest Biomarker Developments in Alzheimer’s Disease and Related Dementias, Neurology Residency Program, Cedars-Sinai Medical Center
11/25/2025	Neuropsychological Evaluations for Alzheimer’s Disease and Related Dementias Discrimination, Neurology Residency Program, Cedars-Sinai Medical Center
12/17/2025	Differential Dementia Diagnosis, Geriatrics Residency Program, UCLA
02/11/2026	Neuropsychological Profiles for Differentiating ADRD Etiologies, Neuropsychology Residency Program, Cedars-Sinai Medical Center

Clinical Teaching

06/2021 – 10/2023	Clinical Neuropsychology Postdoctoral Fellowship Supervisor, Department of Neurology, The University of Texas Health Science Center at San Antonio
06/2021 – 10/2023	Behavioral Neurology Fellowship Faculty, Department of Neurology, The University of Texas Health Science Center at San Antonio
10/2023 – Present	Memory Disorders Neuropsychology Case Conference, Department of Neurology, Cedars-Sinai Medical Center
10/2023 – Present	Memory Disorders Neuropsychology Case Conference, Department of Neurology, Cedars-Sinai Medical Center
09/2025 – Present	Clinical Neuropsychology Postdoctoral Fellowship Supervisor, Department of Psychiatry, Cedars-Sinai Medical Center

Non-Clinical Teaching

10/22/2018	Dementia Updates – American Academy of Neurology and American Psychiatric Association, Neurology Grand Rounds, The University of Texas Health Science Center at San Antonio
05/11/2019	Parkinson’s Disease and Lewy Body Dementia, Neurology Residency Program, The University of Texas Health Science Center at San Antonio

04/10/2020	Sleep Disturbances – Harbingers and Promoters of Neurodegenerative Disease, Neurology Grand Rounds, The University of Texas Health Science Center at San Antonio
03/19/2021	Cellular Senescence as a Mechanism Underlying Alzheimer’s Disease, Neurology Grand Rounds, The University of Texas Health Science Center at San Antonio
05/12/2021	Parkinson’s Disease and Lewy Body Dementia, Neurology Residency Program, The University of Texas Health Science Center at San Antonio
06/02/2023	Senolytic Therapy to Modulate the Progression of Alzheimer’s Disease – Pilot Study Results, Neurology Grand Rounds, The University of Texas Health Science Center at San Antonio
03/19/2024	NIH Toolbox Cognition Battery Presentation and Training, Cedars-Sinai Medical Center
06/17/2024	NIH Toolbox Cognition Battery Presentation and Training, Cedars-Sinai Medical Center
10/09/2024	NIH Toolbox Cognition Battery Presentation and Training, Cedars-Sinai Medical Center
02/06/2025	NIH Toolbox Cognition Battery Presentation and Training, Cedars-Sinai Medical Center

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Research Papers – Peer-Reviewed (Published)

1. **Gonzales, M**, Garrett, C, Chapman, CD, Dess, N.K. Stress-induced attention of startle in low-saccharin-consuming rats. *Biol Psychol*. 2008 Oct;79(2):193-9. PMID: 18538914.
2. Wong FL, Francisco L, Togawa K, Bosworth A, **Gonzales M**, Hanby C, Sabado M, Grant M, Forman SJ, Bhatia S. Long-term recovery after hematopoietic cell transplantation: Predictors of quality of life concerns. *Blood*, 2010 Mar 25;115(12):2508-19. PMID: 20089962.
3. Haley AP, Tarumi T, **Gonzales MM**, Sugawara J, Tanaka H. Subclinical atherosclerosis is related to lower neuronal viability in middle-aged adults. *Brain Res*. 2010 Jul 16;1344:54-61. PMID: 20460114
4. **Gonzales MM**, Tarumi T, Tanaka H, Sugawara J, Swann-Sternberg T, Goudarzi K, Haley AP. Functional imaging of working memory and peripheral endothelial function in individuals at risk for cardiovascular disease. *Brain Cogn*. 2010 Jul;73(2):146-51. PMID: 20493622.
5. **Gonzales MM**, Tarumi T, Miles SC, Tanaka H, Shah F, Haley AP. Insulin sensitivity as a mediator of the relationship between body mass index and working memory-related brain activity. *Obesity (Silver Spring)*. 2010 Nov;18(11):2131-7. PMID: 20814415
6. Haley AP, **Gonzales MM**, Tarumi T, Miles SC, Goudarzi K, Tanaka H. Elevated cerebral glutamate and myo-inositol levels in middle-aged adults with metabolic syndrome. *Metab Brain Dis*. 2010 Dec;25(4):397-405. PMID: 21063759
7. Hoth KF, **Gonzales MM**, Tarumi T, Miles SC, Tanaka H, Haley AP. Functional MR imaging evidence of altered functional activation in metabolic syndrome. *AJNR Am J Neuroradiol*. 2011 Mar;32(3):541-7. PMID: 21183618
8. **Gonzales MM**, Tarumi T, Eagan DE, Tanaka H, Biney FO, Haley AP. Current serum lipoprotein levels and fMRI response to working memory in midlife. *Dement Geriatr Cogn Disord*. 2011;31(4):259-67. PMID: 21494033,
9. Haley AP, Eagan DE, **Gonzales MM**, Biney FO, Cooper RA. Functional magnetic resonance imaging of working memory reveals frontal hypoactivation in middle-aged adults with cognitive complaints. *J Int Neuropsychol Soc*. 2011 Sep;17(5):915-24. PMID: 21880172.
10. Eagan DE, **Gonzales MM**, Tarumi T, Tanaka H, Stautberg S, Haley AP. Elevated serum C-reactive protein relates to increased cerebral myo-inositol levels in middle-aged adults. *Cardiovasc Psychiatry Neurol*. 2012;2012:120540. PMID: 22461977.

11. Haley AP, **Gonzales MM**, Tarumi T, Tanaka H. Subclinical vascular disease and cerebral glutamate elevation in metabolic syndrome. *Metab Brain Dis*. 2012 Dec;27(4):513-20. PMID: 22552897.
12. **Gonzales MM**, Tarumi T, Eagan DE, Tanaka H, Vaghasia M, Haley AP. Indirect effects of elevated body mass index on memory performance through altered cerebral metabolite concentrations. *Psychosom Med*. 2012 Sep;74(7):691-8. PMID: 22822230.
13. **Gonzales MM**, Tarumi T, Kaur S, Nualnim N, Fallow BA, Pyron M, Tanaka H, Haley AP. Aerobic fitness and the brain: increased N-acetyl-aspartate and choline concentrations in endurance-trained middle-aged adults. *Brain Topogr*. 2013 Jan;26(1):126-34. PMID: 22926147.
14. Haley AP, **Gonzales MM**, Tarumi T, Tanaka H. Dyslipidemia links obesity to early cerebral neurochemical alterations. *Obesity* (Silver Spring). 2013 Oct;21(10):2007-13. PMID: 23512296.
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