# S. Duke Han, PhD, ABPP-CN

University of Southern California	Citizenship: USA
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# **EDUCATION**

Duke University	
Bachelors of Science (Psychology)	May 1998
Neuroscience Certificate	May 1998
University of Massachusetts Boston	
Masters in Clinical Psychology	June 2001
Harvard Medical School/Brigham and Women's Hospital	
Practicum in Clinical Neuropsychology	June 2002
University of Massachusetts Boston	
Doctor of Philosophy in Clinical Psychology	December 2004

# **POST-GRADUATE TRAINING**

VA San Diego Healthcare System	
Veterans Medical Research Foundation Fellow	July 2004-June 2005
University of California San Diego	
NIMH T32 Biological Psychiatry & Neuroscience Fellow	July 2005-June 2006
National Institute on Aging	
Butler-Williams Scholars Program	July 2008

# ACADEMIC APPOINTMENTS

University of Southern California	January 2016-present
Professor of Psychology (with Tenure)	January 2021-present
Professor of Family Medicine (Secondary)	January 2021-present
Professor of Neurology (Courtesy)	January 2021-present
Professor of Gerontology (Courtesy)	January 2021-present
Professor of Family Medicine (with Tenure)	June 2020-December 2021
Associate Professor of Family Medicine	January 2016-May 2020
Rush Alzheimer's Disease Center/Rush University Medical Center	February 2014-present
Visiting Professor of Psychiatry & Behavioral Sciences	2021-present
Visiting Associate Professor of Psychiatry & Behavioral Sciences	2016-2021
Associate Professor of Behavioral Sciences (with Tenure)	February 2014-December 2015

# ADMINISTRATIVE APPOINTMENTS

Editor-In-Chief, The Journal of Gerontology: Psychological Sciences	
Co-Lead, Research and Education Core, USC Alzheimer's Disease Research Center	2024-2025
Representative for APA Division 40, APA Council of Representatives	2024-2027
Co-Chair, INS Dementia Special Interest Group	2022-2024
Ad-hoc Member, Dornsife Appointments, Promotions, & Tenure (APT) Committee	2023
Chair, USC Department of Family Medicine APT Committee	2020-2023
Representative, USC Keck School of Medicine Faculty APT Committee (FAPTC)	2019-2023
Director, USC Neuropsychology Division in Family Medicine	2016-2023
Co-Assistant Director of Psychology Training, VA Long Beach Healthcare System	2015
Director of Neuropsychology Clinics & Training, VA Long Beach Healthcare System	2012-2015

# LICENSURE

California	PSY25372	2012-present
Illinois	71.007085	2007-2013

# **BOARD CERTIFICATION**

American Board of Professional Psychology: Clinical Neuropsychology	51771	2011-present
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# HONORS, AWARDS, & ACHIEVEMENTS

Selected Editor-In-Chief, <i>The Journal of Gerontology: Psychological Sciences</i> Elected APA Council Representative, Society for Clinical Neuropsychology Elected Co-Chair, INS Dementia Special Interest Group	2023 2023 2022
Invited Member, APA Presidential Task Force on Neuropsychological Test Norming In Diverse Populations	2022-2023
Visiting Professor, UCSF Division of Geriatrics	2023
Delegate and Team Co-Leader, Minnesota Update Conference on Education &	2022
Training in Clinical Neuropsychology	
Elected Fellow, National Academy of Neuropsychology	2022
Scientific Advisory Board, Alzheimer's Disease Neuroimaging Initiative (ADNI)	2022-present
Invited Member, Milken Institute Alliance to Improve Dementia Care	2022
Nationally ranked #3 in NIH funding in Family Medicine	2022
Ad-hoc Chair, NIH/NIA Paul B. Beeson Fellows Review Committee	2022
Elected Fellow, American Psychological Association	2021
Executive Board Member, Aging Research in Criminal Justice Health (ARCH)	2021-present
Granted Tenure by the President and Provost of USC	2020
Selected for Healthcare Leadership Academy, Keck School of Medicine of USC	2019-2020
Oral Examiner, American Board of Clinical Neuropsychology (ABCN)	2016-2022
Inaugural Governance Committee Member, AARP Global Council on Brain Health	2015-present
Blue Ribbon Award, APA Society for Clinical Neuropsychology	2019
Formal Member, NIH/NIA Career Development for Established Investigators	2021-2024
& Conference Grants Study Section (AGCD-4)	2020-2021
Chair of Review, NIH/NIA Clinical & Translational Research of Aging Review Committee (NIA-T)	2020-2021
Chair of Review, NIH/NIA Neuroscience of Aging Review Committee (NIA-N)	2019-2020
Moderator, Aging and Sociodemographic Factors Paper Session, 47 <sup>th</sup> Annual	2019
Meeting of the International Neuropsychological Society in NY, NY	
Ad-hoc Chair, NIH/NIA Neuroscience of Aging Review Committee (NIA-N)	2018
Formal Member, NIH/NIA Neuroscience of Aging Review Committee (NIA-N)	2018-2020
Moderator, Alzheimer's Disease Paper Session, 46th Annual Meeting of the	2018
International Neuropsychological Society in Washington, D.C.	
Clinical Scholar Designation, President of USC	2017
Graduate Student Organization Honoree, Wayne State University Institute of	2016
Gerontology	
Visiting Professor in Elder Abuse, Weill Cornell Medical College, NY, NY	2015
Best Poster Finalist, Alzheimer's Imaging Consortium, Alzheimer's Association	2015
Paul B. Beeson Award for Aging Research, NIH/National Institute on Aging	2012-2017
Blue Ribbon Award, APA Society for Clinical Neuropsychology	2012
Nelson Butters Award, International Neuropsychological Society	2006
Elected Chief Intern, UCSD Clinical Psychology Internship Class	2003-2004

# TEACHING

University of Southern California

Neuroaffective Disorders of Aging (GERO415), Gerontology	2023, 2024
Guest Lecture, 6 hours Neuroaffective Disorders of Aging (GERO415), Gerontology	2022, 2020, 2018
Primary Instructor, 3 hours per week	2022, 2020, 2010
Advanced Overview of Neuroscience II (NEUR525), Neuroscience Graduate Program, Guest Lecture, 2 hours	2022
Neurorehabilitation Seminar Series, Biokinesiology and Physical Therapy Guest Lecture, 1 hour	2022
Current Topics in Neuroimaging Informatics, Neuroimaging Informatics Masters Program, 1 hour	2021
Advanced Practicum in Clinical Psychology: Clinical Aging & Lifespan (PSYC695), Psychology, Guest Lecture, 2 hours	2021
Current Research in Alzheimer's Disease and Related Dementias, Gerontology, Guest Lecture, 2 hours	2019
Responsible Conduct of Research (INT500), Keck School of Medicine Mentor, 1 hour per week	2017
Practicum in Assessment (PSYC585B), Psychology, Primary Instructor 3 hours per week	2017
Health Promotion and Disease Prevention, Guest Lecture, 2 hours	2016
Psychology of Aging, Gerontology, Guest Lecture, 2 hours	2010
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VA Long Beach Healthcare System	
Neuropsychology Seminar, Primary Instructor, 1 hour per week	2012-2015
Neuropsychology Clinical Case Conference, Primary Instructor,	2012-2013
1 hour per week	2013-2013
*	2013-2015
Neuropsychology Journal Club, Primary Instructor, 1 hour per week	2015-2015
Rush University Medical Center	
Neuroepidemiology Seminar, Guest Lecture, 1 hour	2013
Neurobiology, Guest Lecture, 1 hour	2010-2012
Psychological Testing, Guest Lecturer, 1 hour	2009-2012
M1 Physicianship, Section Instructor, 1 hour per week	2009-2012
M2 Physicianship, Section Instructor, 1 hour per week	2010-2012
	2010-2012
Loyola University Chicago	
Cognitive Psychology, Primary Instructor, 3 hours per week	2007-2012
Neuropsychological Assessment (PhD program), Primary Instructor, 3 hours per week	2008-2010
Neuropsychology (PhD program), Primary Instructor, 3 hours per week Ethics in Clinical Psychology (PhD program, Primary Instructor,	2007-2009 2009
3 hours per week	
Developmental Research Methods, Guest Lecture, 1 hour	2008
Medical Neuroscience, Guest Lecture, 1 hour	2008
Memory, Guest Lecture, 1 hour	2008
Philosophy of Science, Guest Lecture, 2 hours	2007
Cognitive Neuroscience, Guest Lecture, 1 hour	2007
Neuroscience Seminar, Guest Lecture, 1 hour	2006-2012
San Diego State University	
Sensation and Perception, Primary Instructor, 3 hours per week	2005-2006
University of Massachusetts Boston	

Abnormal Psychology, Primary Instructor, 3 hours per week

2002-2003

# MENTORSHIP

Faculty

Annie Nguyen, PhD <sup>1,2</sup>	Associate Professor, UCSD	2016-2023
Kristan Leech, PhD <sup>3</sup>	Assistant Professor, USC	2020-present

#### Post-Doctoral Fellow

Kathy Zebracki, PhD	Director of Psychology, Shriners Hospital	2007-2009
Jill Zukerman, PhD	Assistant Professor, Duke University	2009-2010
Emily Edmonds, PhD <sup>4</sup>	Neuropsychologist, Banner Alzheimer's Institute	2010-2012
Vanessa Zizak, PhD	Staff Neuropsychologist, VA Long Beach	2012-2013
Tim O'Brien, PhD	Assistant Professor, UC Irvine	2013-2015
Kim Baerresen, PhD	Private Practice	2014-2016
Gali Weissberger, PhD <sup>5</sup>	Senior Lecturer, Bar Ilan University	2017-2020
Joseph Saenz, PhD <sup>6</sup>	Assistant Professor, Arizona State University	2018-2020
Jenna Axelrod, PhD	Staff Scientist, USC	2019-2021
Jeanine Cho, PhD	Postdoctoral Fellow, USC	2022-present
Aaron Lim, PhD <sup>4</sup>	Postdoctoral Fellow, USC	2021-present

#### Graduate

Erica Luboyeski	Loyola University Chicago	2006-2008
Elizabeth Tuminello <sup>7</sup>	Loyola University Chicago	2007-2008
Jana Wingo	Loyola University Chicago	2007-2009
Hideo Suzuki	Loyola University Chicago	2008-2009
Erica Luboyeski	Rush University Medical Center	2009-2010
Leslie Guidotti	Rush University Medical Center	2009-2010
Phillip Ruppert	Rush University Medical Center	2010-2011
Emily Edmonds	Rush University Medical Center	2010-2011
Michael Brook	Rush University Medical Center	2010-2011
Megan Gomez	VA Long Beach Healthcare System	2012-2013
Kayleigh Hale	VA Long Beach Healthcare System	2012-2013
Bruna Martins	VA Long Beach Healthcare System	2014-2015
Morgan Goodman	Keck School of Medicine of USC	2017-2019
Nikki Windisch <sup>8,9</sup>	Loyola University Medical School	2019
Devika Chandramohan <sup>8</sup>	Keck School of Medicine of USC	2020
Amaryllis Tsiknia	Neuroscience PhD Program, USC	2023-present
A.M. Foran	University of Adelaide, Australia	2022
Victoria Tennant	Neuroscience PhD Program, USC	2021-present
Laura Fenton <sup>10</sup>	Clinical Psychology PhD Program, USC	2021-present
Daisy Noriega	Clinical Psychology PhD Program, USC	2023-present

<sup>1</sup>NIH R25 Mentee (R25MH108389: UCSD Sustained Training on Aging and HIV Research [STAHR] Program) <sup>2</sup>NIH K01 Career Development Award Recipient (K01AG064986), Role: Primary Mentor (became secondary mentor when moved

to UCSD)

<sup>3</sup>NIH K01 Career Development Award Recipient (K01AG073467), Role: Primary Mentor

<sup>4</sup>Department Manuscript of the Year Award Recipient, VA Career Development Award Recipient

<sup>5</sup>NIH T32 Postdoctoral Fellowship Recipient (T32AG000037-39S1), Role: Primary Preceptor

6NIH K99/R00 Career Development Award Recipient (K99AG058799), Role: Mentor

<sup>7</sup>PhD Recommended for Distinction

8NIH/NIA/UCLA MSTAR Recipient

<sup>9</sup>Murray H. Neidorf MSTAR Scholar Award Recipient

<sup>10</sup>Gerald Davidson Award for Excellence in Scientific Writing

# SERVICE

Hospital or Medical Group

	Keck Medicine of USC VA Long Beach Healthcare Rush University Medical Center Loyola University Medical Center	Director, Neuropsychology Division Staff Clinical Neuropsychologist Staff Clinical Neuropsychologist Staff Clinical Neuropsychologist	2016-2020 2012-2015 2009-2012 2007-2009		
University (USC unless otherwise noted)					
	Alzheimer's Disease Research Cer Co-Leader	nter Research and Education Core,	2024-2025		
	Dornsife Committee on Appointm	nents, Promotions, & Tenure (DCAPT) Students& Trainees (ANST) local chapter,	2023 2021-present		
	Faculty Environment & Employment Committee, Academic Senate Keck School of Medicine Faculty Appointments, Promotions, & Tenure Committee (FAPTC), Department Representative				
	Colloquium Committee, Chair (Ru		2009-2010 2006-2009		
Professio	onal				
	Co-Chair, INS Dementia Special Ir Delegate and Team Leader, Minne & Training in Clinical Ner Advisor, Asian Neuropsychologica Invited Member, Milken Institute Research to Practice Panel, Nation Executive Board Member, Aging F (ARCH) Network INS Annual Meeting Executive Co INS Annual Meeting Program Cor Oral Examiner, American Board o Inaugural Governance Committee Publications Committee, Nationa Planning Committee, Paul B. Bees Continuing Education Committee Society for Clinical Neuropsychol Applicant Mentor, American Board	A Council of Representatives mer's Disease Neuroimaging Initiative eterest Group esota Update Conference on Education uropsychology al Association Research Committee Alliance to Improve Dementia Care nal Center on Elder Abuse Research in Criminal Justice Health mmittee f Clinical Neuropsychology e, AARP Global Council on Brain Health I Academy of Neuropsychology son Fellowship Annual Meeting e, INS ogy Program Committee	2024-2028 2024-2027 2022-present 2022-2024 2022 2022-present 2022-present 2022-present 2022-present 2021-present 2016-present 2016-2022 2015-present 2014-2019 2014, 2016 2012-present 2011-present 2011-2016 2005-2010		

# **PROFESSIONAL SOCIETY MEMBERSHIPS**

Asian Neuropsychological Association (ANA)	2021-present
Gerontological Society of America (GSA)	2020-present
American Psychological Society (APS)	2019-2020
International Society to Advance Alzheimer's Research and Treatment (ISTAART)	2016-present
National Academy of Neuropsychology (NAN)	2013-present
American Academy of Clinical Neuropsychology (AACN)	2011-present

International Neuropsychological Society (INS)	2003-present
APA Division 40: Society for Clinical Neuropsychology (SCN)	2002-present
American Psychological Association (APA)	2000-present

#### **COMMUNITY SERVICE**

World Vision Orange County Half-Marathon Fundraiser	2023-present
Senior Food Delivery During COVID-19 Pandemic, City of Anaheim	2020
Free Farmers Market Food Bank	2015-2019
Greater Los Angeles Food Bank	2016-2017
Food Allergy Research & Education, Food Allergy Walk Team Leader	2007-2017
Greater Chicago Food Depository, Walk for Hunger	2007-2012
Refugee Camp, Thailand/Burma border	2004

#### **EDITORSHIPS AND EDITORIAL BOARDS**

Editor-In-Chief, The Journal of Gerontology: Psychological Sciences	2024-2028
Associate Editor, Frontiers in Human Neuroscience	2021-2022
Editorial Board, Archives of Clinical Neuropsychology	2016-2023
Associate Editor, Journal of Alzheimer's Disease	2016-2021

#### **AD-HOC REVIEW**

Alzheimer's and Dementia Alzheimer's Disease and Associated Disorders Alzheimer's Research and Therapy American Journal of Public Health Archives of Clinical Neuropsychology Archives of General Psychiatry Behavioural Brain Research **Behavior Genetics Biological Psychiatry** Brain Brain Imaging and Behavior Brain Structure and Function BMJ Open Cerebral Cortex The Clinical Neuropsychologist Current Alzheimer's Research Dementia and Geriatric Cognitive Disorders European Journal of Neurology Experimental Brain Research Frontiers Human Neuroscience The Gerontologist Gerontology Human Brain Mapping Journal of Aging and Health Journal of Alzheimer's Disease Journal of Alzheimer's Research Journal of Clinical and Experimental Neuropsychology Journal of Elder Abuse and Neglect *Journal of Gerontology: Psychological Sciences* Journal of the American Geriatrics Society *Journal of the American Medical Association (JAMA)* Journal of the American Medical Association (JAMA) Internal Medicine Journal of the American Medical Association (JAMA) Neurology Journal of the International Neuropsychological Society The Lancet Healthy Longevity Nature Aging Neurobiology of Aging Neurology Neurology India Neuropsychologia Neuropsychology Neuropsychology Review Neuropsychopharmacology Neuroscience Neuroscience and Biobehavioral Reviews Neurosciences and Neuroeconomics Proceedings of the National Academy of Sciences of the United States of America Psychiatry Research Psychiatry Research: Neuroimaging Psychology and Aging Psychopharmacology Schizophrenia Research Social Science & Medicine Technology, Mind, and Behavior WIREs Cognitive Science

### **GRANT REVIEW**

NIH/NIA AGCD4; Member (2024 February, 2023 October, 2023 June, 2023 February, 2021 October) ADNI-HABS-HD Health Equity Scholars Program (2024, 2023) NIJ Office of Justice Programs (2023) NIH/NIA ZAG1 ZIJ-6 Beeson Fellowship (2022 February, 2021 May, 2019 January, 2018 January, 2017 February, 2016 May) NSF Decision, Risk, & Management Sciences Program (2021 February, 2020 March) NIH/NIA NIA-T; Chair of Review (2021 January, 2020 September, 2020 June) NIH/NIA NIA-N; Chair of Review (2020 January, 2019 June, 2019 February), Member (2018 June, 2018 February, 2017 October, 2017 June, 2017 February, 2016 June, 2016 February, 2015 October) NIH ZAG1 ZIJ-1 MSTEM (2018 February, 2016 June, 2015 March) NIH ZAG1 ZIJ-9 RCMAR (2017 October) NIH ZRG1 BDCN A (2017 March, 2016 July, 2016 March, 2014 May) Alzheimer's Association (2007-2010) **DoD DMRDP (2009)** DoD Army MRP (2009) DoD TBI/PTSD Intramural Review (2008 DoD TBI/PTSD Extramural Cognitive Rehab Review (2007)

#### **GRANT SUPPORT - CURRENT**

K24AG081325 (S. Duke Han)2023-2028NIH Research Project Grant ProgramMid-Career Development and Mentoring on Financial Vulnerability and Alzheimer's DiseaseThe goal of this project is to mentor trainees and conduct studies of financial vulnerability and Alzheimer'sDisease in large cohort studies of aging.Role: PI, 50% timeTotal Direct Costs: \$932,972

U24AG082022 (Richard Gershon & Sandra Weintraub) NIH Research Project Grant Program 2023-2028

Advancing Reliable Measurement in Aging and Decision-making Ability (ARMADA II) The goal of this project is to create a network of decision making scientists to develop and test a measure of decision making that can be used in research studies of aging. Role: Co-I, 10-20% time Total Direct Costs: \$4,741,455 RF1AG068166 (S. Duke Han) 2021-2026 NIH Research Project Grant Program Finance, Cognition, and Default Network in Aging The overall goal of this study is to examine the association of financial exploitation in old age with markers of Alzheimer's Disease. Role: PI, 30% time Total Direct Costs: \$2,889,159 R24AG076847 (Kendra Seaman) 2022-2027 NIH Research Project Grant Program Research Network on Decision Neuroscience and Aging The overall goal of this grant is to continue supporting the multidisciplinary Scientific Research Network on Decision Neuroscience and Aging (SRNDNA). Role: Co-I, 2% time Total Direct Costs: \$1,194,930 R01AG055430 (S. Duke Han) 2017-2024 NIH Research Project Grant Program Racial Differences in Decision Making among Older Adults The goal of this project is to determine the behavioral and neuroimaging factors that mediate or moderate racial differences in decision making. Role: PI, 30% time Total Direct Costs: \$3,137,439 P30AG066530 (Helena Chui) 2024-2025 NIH Research Project Grant Program Alzheimer's Disease Research Center The goal of this project is run the Alzheimer's Disease Research Center at the University of Southern California. Role: Co-Leader Research Education Core, 2.5% time Total Direct Costs: \$2,827,204 R01AG056405 (Lisa Barnes) 2018-2024 NIH Research Project Grant Program MRI Markers of Brain Aging and Risk Factors for Cognitive Decline in Older African Americans The goal of this project is to determine neuroimaging markers of cognitive decline and brain aging among older African American adults. Role: Co-I, 10% time (in 2021-2024) Total Direct Costs: \$2,448,926 R01AG059613 (Marian Betz) 2019-2024 NIH Research Project Grant Program Decision-Making Among Older Adults: The AUTO Study The goal of this project is to investigate the efficacy of a decision making tool to help older adults make decisions about driving and to examine the impact of cognitive impairment. Role: Co-I, 5-8% time Total Direct Costs: \$2,499,978 R01AG064228 (Daniel Nation) 2019-2024 NIH Research Project Grant Program

Endothelial Progenitor Cells and Neurovascular Injury in the Aging Brain The goal of this project is to investigate the association of endothelial progenitor cells with neurovascular injury in old age. Role: Co-I, 10% time Total Direct Costs: \$2,287,270

R01AG060049 (Daniel Nation)2019-2024NIH Research Project Grant ProgramCerebrovascular Resistance in Cognitive Aging and Alzheimer's Disease RiskThe goal of this project is to investigate the association of cerebrovascular resistance with Alzheimer's<br/>Disease risk.Nie association of cerebrovascular resistance with Alzheimer's<br/>Disease risk.Role: Co-I, 5% time<br/>Total Direct Costs: \$1,850,466Nie association of cerebrovascular resistance

#### **GRANT SUPPORT – PAST**

007710-0001 (S. Duke Han) 2017-2023 Elder Justice Foundation Finance, Cognition, and Health in Elders Study (FINCHES) Pilot Phase The goal of this project is to develop a pilot study to investigate the behavioral and neuroimaging factors associated with financial exploitation in old age. Role: PI, 4% time Total Direct Costs: \$84,191

R01AG055770 (Hussein Yassine)2017-2022NIH Research Project Grant ProgramCholesterol Efflux in Alzheimer's DiseaseThe goal of this project is to determine whether cerebrospinal fluid biomarkers of cholesterol are associatedwith cognitive decline and dementia.Role: Co-I, 5-10% timeTotal Direct Costs: \$2,825,692

R21AG064776 (Younggang Shi) 2019-2022 NIH Research Project Grant Program Tau-associated pathological changes in reward networks for the prediction of neuropsychiatric symptoms in Alzheimer's disease The goal of this project is to investigate the link between tau pathology in reward networks and neuropsychiatric symptoms in Alzheimer's Disease. Role: Co-I, 5% time Total Direct Costs: \$275,000

2016-ZD-CX-K008 (Kathleen Wilber/Zach Gassoumis)2017-2021NIJ Research Project Grant ProgramPiloting a Comprehensive Caregiver Intervention: A Pathway to Preventing Elder MistreatmentThe goal of this study is to develop and test an intervention for elder abuse within a health system.Role: Co-I, 2% time (8% 2017-2018 during planning phase)Total Direct Costs: \$1,099,503

Grant No. Unknown (S. Duke Han) 2018-2020 Cathay Bank Foundation Finance, Cognition, and Health in Elders Study (FINCHES) Pilot Phase The goal of this project is to support faculty time to investigate factors associated with financial exploitation in old age. Role: PI, 1-2% time Total Direct Costs: \$15,000 R01HL112756 (Stephanie Crowley) 2014-2019 NIH Research Project Grant Program Teen School-Night Sleep Extension: An Intervention Targeting the Circadian System The goal of this project is to test the efficacy of a sleep intervention for teens on cognitive function and wellbeing. Role: Co-I, 5% time Total Direct Costs: \$3,114,143 K23AG040625 (S. Duke Han) 2012-2017 Paul B. Beeson Career Development Award in Aging Research Neural Correlates of Impaired Financial & Health Care Decision-Making in Old Age Role: PI, 75% time Total Direct Costs: \$801,785 K23AG040625-03S1 (S. Duke Han) 2014-2015 NIH Admin Supplements for Aging Research on Health Disparities Neural Correlates of Impaired Financial & Health Care Decision-Making in Old Age Role: PI, included in 75% time of parent grant Total Direct Costs: \$62,476 2012-2013 Grant No. Unknown (S. Duke Han) Illinois Department of Public Health Brain Imaging of Impaired Financial & Health Care Decision-Making in Old Age Role: PI. 20% time Total Direct Costs: \$27,082 BR 07-15 (S. Duke Han) 2007-2010 American Cancer Society Research Grant Non-Hodgkin's Lymphoma Without CNS Involvement Effects of Treatment in an Older Sample Role: PI, 15% time Total Direct Costs: \$246,291 P30AG10161 (S. Duke Han) 2009-2010 National Institutes of Aging Functional Neuroimaging of Compensatory Mechanism Recruitment by APOE Genotype Role: PI, 5% time Total Direct Costs: \$30,000 Grant No. Unknown (S. Duke Han) 2009 Loyola University Chicago Office of Research Services Executive Functioning Correlates of College Adjustment Role: PI, 5% time Total Direct Costs: \$6,000 2008-2009 Grant No. Unknown (S. Duke Han) Lovola University Chicago Office of Research Services Neurochemical Effects of Exposure to Aggression Role: PI, 10% time Total Direct Costs: \$6,000 Grant No. Unknown (S. Duke Han) 2008 Loyola University Chicago Office of Research Services Functional Neuroimaging of Compensatory Mechanism Recruitment by APOE Genotype Role: PI, 10% time Total Direct Costs: \$6.000

Grant No. Unknown (S. Duke Han) Loyola University Chicago Office of Research Services The Role of Strategy, Repetition, and Genetic Factors in Face-Name Associative Mer Role: PI, 10% time Total Direct Costs: \$6,000	2007 nory
NIH T32 Postdoctoral Fellowship in Biological Psychiatry and Neuroscience 2005- National Institute of Mental Health The Influence of Age and APOE Genotype on Face-Name Associative Memory Role: Project PI, 100% time	2007
Fellowship Grant for Research in Mental Illness Stanley Foundation fMRI of Semantic Priming in Schizophrenia Role: PI, 30% time	2003
Fellowship Grant for Research in Mental Illness Stanley Foundation Computer Simulation of Word Recall in Schizophrenia Role: PI, 30% time	1999-2000
Summer Undergraduate Research Fellowship Columbia Michael Reese Hospital Consistency of Thought Disorder on a Longitudinal Basis Role: Project PI, 30% time	1997

# **INVITED LECTURES, SYMPOSIA, KEYNOTE ADDRESSES**

#### 1998

• Consistency of thought disorder in Schizophrenia on a longitudinal basis. Presented at the 70th Annual Meeting of the Midwestern Psychological Association in Chicago, Illinois.

## 2005

- Associative memory in chronic schizophrenia: Converging evidence from computer modeling and fMRI. Invited oral presentation for the Cognitive Neuroscience Seminar of Columbia University Medical School, New York, NY.
- Verbal paired-associate learning by APOE genotype in nondemented adults: fMRI evidence of a right hemispheric compensatory response. Invited presentation for the UCSD/VMRF Laboratory of Cognitive Imaging (LOCI) Neuroimaging Seminar, San Diego, CA.

#### 2006

• Verbal paired-associate learning by APOE genotype in non-demented adults: fMRI evidence of a right hemispheric compensatory response. Invited presentation for the Behavioral Neuroscience Seminar of the University of Illinois at Chicago Medical Center in Chicago, IL.

#### 2007

• Revision of the Apolipoprotein E compensatory hypothesis: Lifespan and neuroimaging considerations. Invited presentation for the Boston University Alzheimer's Disease Center Seminar Series at the Boston University Medical Center in Boston, MA.

• Revision of the apolipoprotein E neurocognitive compensation hypothesis and applications to clinical research. Invited presentation for the Division of Cognitive and Behavioral Neurology, Departments of Psychiatry and Neurology, Brigham and Women's Hospital, Harvard Medical School.

#### 2010

• Revision of the apolipoprotein E compensatory mechanism neural recruitment hypothesis: Lifespan and neuroimaging considerations. Invited presentation for the Department of Psychiatry, University of California San Francisco.

# 2011

- Neuropsychological considerations in concussion. Invited presentation for the symposium "Diagnosis and Treatment of Sports Concussions" in Chicago, IL
- Connectivity, Compensation, and Cognition: Lessons Learned from Schizophrenia, Aging, and Traumatic Brain Injury Research. Invited presentation for the Department of Psychiatry, University of Illinois Chicago School of Medicine, in Chicago, IL.
- The APOE antagonistic pleiotropy hypothesis: Neurocognitive and neuroimaging considerations. Invited presentation for the VA Madison GRECC/University of Wisconsin Alzheimer's Disease Research Center Seminar Series in Madison, WI.
- Connectivity, Compensation, and Cognition: Lessons Learned from Schizophrenia and Aging Research. Invited presentation for the Department of Psychology, San Francisco State University, in San Francisco, CA.
- Connectivity, Compensation, and Cognition: Lessons Learned from Schizophrenia and Aging Research. Invited presentation for the Department of Psychiatry, University of California San Diego, in San Diego, CA.
- Connectivity, Compensation, and Cognition: Lessons Learned from Schizophrenia, Aging, and Traumatic Brain Injury Research. Invited presentation for the Department of Psychiatry, University of Hawaii John A. Burns School of Medicine, in Honolulu, HI.
- Resting-state fMRI of Social Neuroscience in Old Age. Invited talk for the symposium "Social Neurosciences Studies in the Religious Orders Study and the Memory and Aging Project" of the 2011 Von Economo Neurons Meeting at Howard University, in Washington, DC.

#### 2012

• The APOE antagonistic pleiotropy hypothesis. Invited presentation for the NIBBL lecture series at the University of California Los Angeles, in Los Angeles, CA.

#### 2013

- Decision-Making and the Adolescent Brain. Invited plenary presentation for the Adolescent Health Issues Conference at North Park University, in Chicago, IL.
- The APOE antagonistic pleiotropy hypothesis. Invited presentation for the Alzheimer's Disease Research Forum (ADRF) at the University of California Los Angeles, in Los Angeles, CA.
- The APOE antagonistic pleiotropy hypothesis. Invited presentation for the Memory Impairment Neurological Disorders (MIND) Institute seminar at the University of California Irvine, in Irvine, CA.
- Neural correlates of decision making in old age. Invited presentation for the Alzheimer's Disease Research Forum (ADRF) at the University of California Los Angeles, in Los Angeles, CA.
- Interdisciplinary approaches to the clinical neuroscience of aging. Invited presentation for the Alzheimer's Disease Research Center at the University of Southern California, in Los Angeles, CA.

#### 2014

• Interdisciplinary approaches to the clinical neuroscience of aging. Invited colloquium lecture at San Diego State University in San Diego, CA.

• Interdisciplinary approaches to the clinical neuroscience of aging. Invited lecture at the Shiley-Marcos Alzheimer's Disease Research Center of the University of California San Diego in San Diego, CA.

# 2015

- Connecting the lines: fostering cultural competency at the intersection of diversities. Invited discussant on collaborative programming for the 123rd Annual APA Convention, in Toronto, Canada.
- Disparities in financial and healthcare decision making in old age. Invited talk for the Task Force on Minority Aging and Health Disparities meeting of the National Advisory Council on Aging, National Institutes of Health/National Institute on Aging, in Bethesda, MD.
- Neural correlates of impaired financial and healthcare decision making in old age. Invited lecture at the Department of Geriatrics, Weill Cornell Medical Center in New York City, NY.
- Neural correlates of impaired financial and healthcare decision making in old age. Invited lecture at AARP Headquarters, in Washington, D.C.
- Macrostructure and functional connectivity associations of cognitive decline and impairment in old age. Invited symposium lecture at the American Society of Neuroradiology (ASNR) 53rd Annual Meeting in Chicago, IL.

# 2016

- Connecting the lines: fostering cultural competency at the intersection of diversities. Invited discussant on collaborative programming for the 123rd Annual APA Convention, in Toronto, Canada.
- Disparities in financial and healthcare decision making in old age. Invited talk for the Task Force on Minority Aging and Health Disparities meeting of the National Advisory Council on Aging, National Institutes of Health/National Institute on Aging, in Bethesda, MD.
- Neural correlates of impaired financial and healthcare decision making in old age. Invited lecture at the Department of Geriatrics, Weill Cornell Medical Center in New York City, NY.
- Neural correlates of impaired financial and healthcare decision making in old age. Invited lecture at AARP Headquarters, in Washington, D.C.
- Macrostructure and functional connectivity associations of cognitive decline and impairment in old age. Invited symposium lecture at the American Society of Neuroradiology (ASNR) 53rd Annual Meeting in Chicago, IL.

- Financial and health decision making in old age: neuropsychology, neuroimaging, and race considerations. Invited lecture for the Continuing Education Program for the 45th Annual Meeting of the International Neuropsychological Society in New Orleans, LA.
- Financial and health decision making in old age: neuropsychology, neuroimaging, and race considerations. Invited lecture for the Brown Bag Series in the USC Department of Psychology in Los Angeles, CA.
- A day in the life of an academic clinical researcher. Invited lecture for the Postdoctoral Fellowship Seminar Series of the Mental Health Service of the VA Long Beach Healthcare System.
- Cognitive decline and financial decision making in old age. Invited lecture for the Joining Forces to Improve the Representative Payee Program meeting sponsored by the Social Security Advisory Board in the National Archives Museum in Washington, D.C.
- Graph theory approaches to susceptibility to scams in old age: preliminary results. Invited lecture for the 8th Annual ROS/MAP Investigators Meeting of the Rush Alzheimer's Disease Center in Chicago, IL.
- Neuroimaging dementia. Invited lecture for the GWEP Caregiver Wellness Day in the USC Department of Family Medicine in Alhambra, CA.
- Neural correlates of financial decision making in old age. Invited lecture for the Elder Justice Iniative's Forensic Research Webinar of the U.S. Department of Justice.
- The Way Forward Part 2. Invited plenary lecture for the Gulf Coast Elder Abuse Conference hosted by the St. Tammany Seniors and Law Enforcement Together (SALT) Council in Slidell, LA.

- Brain changes as we age. Invited lecture for the Gulf Coast Elder Abuse Conference hosted by the St. Tammany Seniors and Law Enforcement Together (SALT) Council in Slidell, LA.
- Neuroimaging of impaired decision making in old age. Invited lecture for the Gulf Coast Elder Abuse Conference hosted by the St. Tammany Seniors and Law Enforcement Together (SALT) Council in Slidell, LA.
- Neural correlates of financial and health decision making in old age. Invited lecture for the first annual worshop of the UCSD Sustained Training on Aging and HIV Research (STAHR) Program in San Diego, CA.
- Financial and health decision making in old age: Neural correlates and race considerations. Invited lecture for the Behavioral Neurology and Dementia Conference in the USC Department of Neurology in Los Angeles, CA.
- Neural correlates of financial and healthcare decision making in old age. Invited lecture for the annual Beeson Scholars Meeting hosted by the American Federation for Aging Research in Santa Ana Pueblo, NM.
- Neural correlates of financial decision making in old age. Invited lecture for the American Federation for Aging Research Board of Directors December 5th meeting in New York, NY.

- Detectable neuropsychological differences in early preclinical Alzheimer's Disease. Invited lecture for the 46th Annual Meeting of the International Neuropsychological Society (INS) in Washington, D.C.
- Alzheimer's Disease Paper Session. Selected as moderator for oral presentation session on Alzheimer's Disease topics for the 46th Annual Meeting of the International Neuropsychological Society (INS) in Washington, D.C.
- Financial Decision-Making in Old Age: A Cognitive Perspective. Invited lecture for the Palisades Alliance for Seniors Program in Pacific Palisades, CA.
- Neural correlates of financial decision making in old age. Invited to give a lecture and participate in the workshop titled "Our Aging Brains: Decision-making, Fraud, and Undue Influence" hosted by the Harvard MGH Center for Law, Brain, and Behavior at Harvard Law School in Cambridge, MA. Link to video of lecture: https://vimeo.com/267818433/503fb07b73#t=2m14s
- Neuropsychology and neuroimaging of financial decision making in old age. Invited lecture for neuropsychology seminar at the VA Long Beach Healthcare System.
- Financial decision making in old age. Invited lecture for the second annual worshop of the UCSD Sustained Training on Aging and HIV Research (STAHR) Program in San Diego, CA.
- Invited to be a mentor to junior faculty from around the country for the "Forming Science-Industry Research Collaborations" workshop hosted by the Stanford Center for Longevity in Stanford, CA.
- Neuroscience of aging. Invited lecture for the "Advancing Trauma-Informed Responses to Elder Abuse: Practice, Research, Education and Policy" workshop hosted by the The Harry and Jeanette Weinberg Center for Elder Justice and the NYC Elder Abuse Center at Weill Cornell Medicine in New York, NY.
- Financial decision making in old age: Neural correlates and relevance to Alzheimer's Disease. Invited lecture for the Department of Psychological Sciences at the University of California Irvine in Irvine, CA.
- Neuroimaging of decision making in old age. Invited lecture for the "Achieving and Sustaining Behavior Change to Benefit Older Adults" worshop coordinated by the Research Centers Collaborative Network (RCCN) and hosted at the National Institutes of Health (NIH) Campus in Bethesda, MD.

- Aging and Sociodemographic Factors Paper Session. Selected as moderator for oral presentation session for the 47th Annual Meeting of the International Neuropsychological Society (INS) in New York, NY.
- Dispelling Myths about Cognition and Financial Decision Making in Old Age. Speaker and invited panelist for keynote interdisciplinary panel for the "What's Hot in Aging at USC" Conference hosted by the School of Gerontology in Los Angeles, CA.
- Invited panelist for the Association of Neuropsychology Students in Training (ANST) panel on applying for clinical neuropsychology internships hosted by the Psychology Department of the University of Southern California in Los Angeles, CA.

- Financial decision making in old age: A cognitive aging perspective and ways to protect yourself. Invited keynote lecture for the Half Century Trojans Generational Program hosted by USC Generational Programs in Irvine, CA.
- How to maintain brain health in old age. Invited lecture for the 3rd Annual Interprofessional Health Care Symposium Resources for a Longer, Healthier Life presented by the USC Emeriti Center in partnership with the USC Department of Family Medicine GWEP in Los Angeles, CA.
- The neuroscience of aging, trauma, and elder abuse. Invited keynote lecture for the Trauma Informed Responses to Elder Abuse conference sponsored by the Chattanooga Family Justice Center in Chattanooga, TN.
- Cognitive decline and financial decision making as we age. Invited lecture for the USC Alumni Association of Orange County 2019 Speaker Series in Irvine, CA.
- Financial decision making in old age: A neuropsychology perspective. Invited lecture for the USC Schaeffer Center Clinical Fellows Seminar in Los Angeles, CA.
- Perceived discrimination in older black adults is associated with insula functional connectivity. Invited award lecture for best submission by an established professional for the Society of Clinical Neuropsychology (Division 40) of the American Psychological Association Annual Convention in Chicago, IL.
- Dispelling myths about cognition and financial decision making in old age. Invited lecture for the Masonic Homes of California annual staff retreat in Covina, CA.
- Aging, cognitive changes, and susceptibility to scams. Invited lecture for the Federal Trade Comission (FTC) Protecting Older Adults from Fraud: A Common Ground Conference in Los Angeles, CA.
- Invited panelist for the neuroscience of financial vulnerability panel of The State of Financial Fraud in America conference hosted by the FINRA Foundation and Stanford Center on Longevity in Washington, D.C.
- Financial decision making in old age: Neuropsychology, neuroimaging, and policy considerations. Invited lecture for the Gerontology Colloquium series at the USC School of Gerontology in Los Angeles, CA.
- Financial decision making in old age. Invited lecture for a meeting hosted by the Advocacy/Ethics Committee of the Certified Financial Analyst (CFA) Society of Los Angeles in Los Angeles, CA.
- Age-Associated Financial Vulnerability. Invited lectures for the Central Coast and Los Angeles Scams Against Older and Vulnerable Adults Working Groups hosted by the Federal Bureau of Investigation (FBI) in Santa Barbara and Los Angeles, CA.

- Age-Associated Financial Vulnerability. Invited lecture for the Elder Protection Council hosted by the San Diego District Attorney's Office in San Diego, CA.
- Neuroimaging of financial vulnerability in old age. Invited lecture for the 2020 Tamkin International Symposium on Elder Abuse in Pasadena, CA.
- Cognitive decline and susceptibility to scams. Invited lecture for the 2020 Elder and Dependent Adult Abuse Prevention Conference in Santa Barbara, CA. [cancelled due to COVID-19]
- Financial decision making in old age. Invited lecture for neuropsychology seminar at the VA Long Beach Healthcare System in Long Beach, CA.
- Neuroimaging of financial decision making in old age. Invited lecture for the Financial Exploitation Intensive at the McGovern Medical School at UTHealth in Houston, TX. [cancelled due to COVID-19]
- Invited online panelist for the AARP/The FINRA Foundation Expert Workshop On Chronic Fraud Victimization hosted by the AARP and FINRA. [cancelled due to COVID-19]
- Invited panelist for an online seminar on jobs for the psychology trainees of the VA Long Beach Healthcare System in Long Beach, CA.
- Financial decision making in old age: Neuropsychology, neuroimaging correlates, and relevance to Alzheimer's Disease. Invited lecture for the Neurosciences Grand Rounds at Cedars-Sinai Medical Center in Los Angeles, CA [held online due to COVID-19].
- Understanding the Connection Between Neurocognitive Changes in Aging and Vulnerability to Financial Exploitation. Invited lecture for the Minnesota Elder Justice Center financial exploitation speaker series in St. Paul, MN [held online due to COVID-19].

- Financial decision making in old age: Neuropsychology, neuroimaging, and policy considerations. Invited lecture for the Fall Science Luncheon Series of the UT Dallas Center for Vital Longevity in Dallas, TX [held online due to COVID-19].
- Financial decision making in old age: Neuropsychology, neuroimaging, and policy considerations. Invited lecture for the Parkinson's Disease Support Group at the VA Long Beach Healthcare System in Long Beach, CA [held online due to COVID-19].
- Neuroimaging of financial decision making in old age. Invited lecture for the Growing Up in Aging Neuroscience seminar series hosted at Brown University in Providence, RI [held online due to COVID-19].

- Financial decision making in older age: Neuropsychology, neuroimaging, and policy considerations. Invited lecture for the Internship Seminar Lecture Series at UCSD in San Diego, CA [held online due to COVID-19].
- Financial decision making in older age. Neuropsychology, neuroimaging, and policy considerations. Invited lecture for the University of Florida Department of Neuroscience Seminar Series in Gainesville, FL [held online in March due to COVID-19].
- Financial Decision Making in Older Age. Invited lecture for the Practicing Law Institute (PLI) Elder Financial Exploitation training in Los Angeles, CA [held online due to COVID-19].
- Financial exploitation and mistreatment of older adults: Neuropsychology, neuroimaging, and policy considerations. Invited lecture for the Internship Seminar Lecture Series at UCSD in San Diego, CA [held online in October due to COVID-19].
- Scam and financial exploitation vulnerability in older age. Invited lecture for the West San Gabriel Valley Elder Abuse Coalition [held online due to COVID-19].
- Scam susceptibility in older age. Invited lecture for the San Diego Elder Justice Task Force hosted by the San Diego District Attorney's Office and including members of the Federal Bureau of Investigation [held online due to COVID-19].

- Financial decision making and fraud in older age: Neuropsychology, neuroimaging, and policy considerations. Invited lecture for the Geriatric and Palliative Care Grand Rounds at UCSF in San Francisco, CA.
- Financial decision making and susceptibility to scams in older age: Neuropsychology, neuroimaging, and policy considerations. Invited lecture for the Worcester Neuropsychology Didactics at the University of Massachusetts Medical Center in Worcester, MA [held online due to COVID-19].
- Financial decision making and fraud in older age: Neuropsychological, neuroimaging, and public policy considerations. Invited lecture for the International Neuropsychological Society's webinar series.
- Building Equity, Breaking Down Stigma, and Empowering Behavior Changes to Support Brain Health Among Older Adults. Invited symposium panelist for the American Society on Aging 2022 Meeting in New Orleans, LA.
- Not a Model Minority: Lessons Learned Over a Career in Neuropsychology. Invited lecture for the Asian Neuropsychological Association's Education Committee Webinar Series.
- Financial decision making in older age: Neuropsychology, neuroimaging, and public policy considerations. Invited lecture for the American Psychological Association Division 40 Fellows Luncheon at the 2022 Convention of the American Psychological Association in Minneapolis, MN.
- Financial decision making in older age and relevance to Alzheimer's Disease. Invited lecture for the USC ADRC Research Conference in Los Angeles, CA.
- Special Briefing: GCBH Behavior Change Report. Invited webinar panelist hosted by the Global Council on Brain Health, an collaborative from AARP.
- Financial decision making in older age and relevance to Alzheimer's Disease. Invited lecture for the Decision-Making in Alzheimer's Research (DMAR) program at the University of Washington in Seattle, WA [held online].

- Financial decision making in older age. Invited lecture for the Geriatric Gold ED and Inpatient NICHE/Age-Friendly Hospital Initiatives at Sharp Grossmont Hospital in La Mesa, CA [held online].
- Financial decision-making and fraud in older age: Neuropsychology, neuroimaging, and policy considerations. Invited lecture for the Department of Psychology at the University of Edinburgh in Edinburgh, Scotland.
- Strategies to promote brain health with Dr. Han, USC. Invited lecture for the Pasadena Village (international community of adults over 55) in Pasadena, CA [held online].
- Cognitive decline and hippocampal functional connectivity within older Black adults. Invited lecture for the 12th Annual Rush Alzheimer's Disease Center ROSMAP Investigator's Meeting at Rush University Medical Center in Chicago, IL.
- Financial decision making in older age: Neuropsychology, neuroimaging, and public policy considerations. Invited lecture for the Neuropsychology Case Conference series of the University of Oklahoma Health Sciences Center in Oklahoma City, OK [held online].
- Financial decision making in older adults. Invited lecture for the KnowNeuropsychology webinar series [held online].
- Financial decision making in older age: Key points. Invited keynote lecture for the Policy Dialogue on Decision Making in Old Age sponsored by the Australian Research Council (ARC) Centre of Excellence in Population Ageing Research (CEPAR) and the Center for Applied Macroeconomic Analysis of the Crawford School of Public Policy in Canberra, Australia [held in person and online].
- Financial decision making in older age. Invited lecture for the Science of ADRD for Social Scientists Workshop sponsored by the USC Alzheimer's Disease Resource Center for Minority Aging Research (USC-AD RCMAR) in Los Angeles, CA.
- Financial decision making in older age. Invited lecture for the USC Center for Economic and Social Research (CESR) Seminar Series in Los Angeles, CA.
- Empowering behavior change to support brain health among older adults. Symposium for the 2022 Gerontological Society of America Annual Meeting in Indianapolis, IN.
- Financial decision making in older age. Invited lecture for the University of Colorado Division of Geriatrics Grand Rounds in Denver, CO [held online].

- Financial decision making in older age. Invited lecture for the ICNS multidisciplinary team meeting of the Cleveland Clinic in Las Vegas, NV, and Cleveland, OH [held online].
- Financial exploitation risk and the brain. Invited talk for the symposium Elder Financial Exploitation From Bench to Bedside for the 2023 American Geriatrics Society Annual Meeting in Long Beach, CA.
- Financial decision making in older age. Invited keynote for the Australian Research Council Centre of Excellence in Population Ageing Research (ARC CEPAR) International Conference in Sydney, Australia.
- Financial Decision Making in Older Age and Relevance to Alzheimer's Disease. Invited lecture for the UCSD AD-RCMAR and ADRC in San Diego, CA.
- Financial Decision Making in Older Age: "It Takes a Village". Invited Grand Rounds lecture for the UCSD Division of Geriatrics, Gerontology, and Palliative Care in San Diego, CA.
- Lessons Learned about NIH Grant Review. Invited lecture for the UCSD AD-RCMAR in San Diego, CA [held online].
- Financial decision making in older age. Invited lecture for the SUNY Upstate Medical University Department of Psychiatry in Syracuse, NY.
- Financial decision making in older age. Invited Grand Rounds lecture for the New York-Presbyterian Hospital and Weill Cornell Medical College Department of Psychiatry in New York, NY [held online].
- Financial decision making in older age. Invited lecture and participant for the 2023 National Research Summit on Care, Services, and Supports for Persons Living with Dementia and Their Care Partners/Caregivers for the National Institute on Aging of the National Institutes of Health [held online].
- Financial decision making in older age. Invited lecture for the Clinical Psychology Collquium at Queens College and The Graduate Center, CUNY, in New York [held online].
- Clinical and real world measures. Invited moderator for the The Landscape of Early (Neuro)Psychological Changes in AD/ADRD Project sponsored by the National Institute on Aging of the National Institutes of Health [held online].

- Financial decision making in older age. Invited lecture for the UCSD/San Diego VA Healthcare System Psychology Internship Seminar in San Diego [held online].
- Financial decision making in older age and relevance to Alzheimer's Disease. Invited lecture for the Dementia Colloquium for the Mary S. Easton Center for Alzheimer's Research and Care at UCLA in Los Angeles, CA.

- Financial decision making in older age: Neuropsychology, neuroimaging, and policy considerations. Invited lecture for the Worcester Neuropsychology Didactics at the University of Massachusetts Medical Center in Worcester, MA [held online].
- Financial decision making in older age. Invited lecture for the Department of Psychiatry and Behavioral Health Grand Rounds at the Ohio State University Wexner Medical Center [held online].
- Financial decision making in older age. Invited lecture for the Professional Development Webinar Series for the Australian Psychological Society [held online].
- Financial decision making in older age. Invited lecture for the Department of Psychology Colloquium Series at the University of California Irvine in Irvine, CA.

### **DISSERTATION AND THESIS**

Dissertation: Semantic Priming in Schizophrenia: A Functional Magnetic Resonance Investigation

Masters Thesis: Word Association Neural Network: Computer Simulation of Word Recall in Control and Schizophrenic Subjects

#### PUBLICATIONS

Refereed Journal Articles (\*Denotes Student or Trainee Author):

- 1. Nestor, P.G., **Han, S.D.**, Niznikiewicz, M., Salisbury, D., Spencer, K., Shenton, M.E., & McCarley, R.W. (2001). Semantic disturbance in schizophrenia and its relationship to the cognitive neuroscience of attention. *Biological psychology*, *57*(1-3), 23–46. https://doi.org/10.1016/s0301-0511(01)00088-6
- Han, S.D., Nestor, P.G., Shenton, M.E., Niznikiewicz, M., Hannah, G.\*, & McCarley, R.W. (2003). Associative memory in chronic schizophrenia: a computational model. *Schizophrenia research*, 61(2-3), 255–263. https://doi.org/10.1016/s0920-9964(02)00289-x
- 3. Wible, C.G., **Han, S.D.**, Spencer, M.H., Kubicki, M., Niznikiewicz, M.H., Jolesz, F.A., McCarley, R.W., & Nestor, P. (2006). Connectivity among semantic associates: an fMRI study of semantic priming. *Brain and language*, *97*(3), 294–305. https://doi.org/10.1016/j.bandl.2005.11.006
- 4. **Han, S.D.,** Nestor, P.G., & Wible, C.G. (2006). fMRI of lexical-semantic priming in a chronic schizophrenia patient. *Applied neuropsychology*, *13*(1), 51–57. https://doi.org/10.1207/s15324826an1301\_7
- 5. Han, S.D., Houston, W.S., Jak, A.J., Eyler, L.T., Nagel, B.J., Fleisher, A.S., Brown, G.G., Corey-Bloom, J., Salmon, D. ., Thal, L.J., & Bondi, M.W. (2007). Verbal paired-associate learning by APOE genotype in non-demented older adults: fMRI evidence of a right hemispheric compensatory response. *Neurobiology of aging*, 28(2), 238–247. https://doi.org/10.1016/j.neurobiolaging.2005.12.013
- 6. **Han, S.D.,** Nestor, P.G., Hale-Spencer, M.\*, Cohen, A., Niznikiewicz, M., McCarley, R.W., & Wible, C.G. (2007). Functional neuroimaging of word priming in males with chronic schizophrenia. *NeuroImage*, *35*(1), 273–282. https://doi.org/10.1016/j.neuroimage.2006.11.029
- Delis, D.C., Lansing, A., Houston, W.S., Wetter, S., Han, S.D., Jacobson, M., Holdnack, J., & Kramer, J. (2007). Creativity Lost: The Importance of Testing Higher-Level Executive Functions in School-Age Children and Adolescents. *Journal of Psychoeducational Assessment*, 25(1), 29– 40. https://doi.org/10.1177/0734282906292403
- 8. **Han, S.D.,** Drake, A.I., Cessante, L.M., Jak, A.J., Houston, W.S., Delis, D.C., Filoteo, J.V., & Bondi, M.W. (2007). Apolipoprotein E and traumatic brain injury in a military population: evidence of a neuropsychological compensatory mechanism?. *Journal of neurology, neurosurgery, and psychiatry*, *78*(10), 1103–1108. https://doi.org/10.1136/jnnp.2006.108183

- 9. **Han, S.D.,** & Bondi, M.W. (2008). Revision of the apolipoprotein E compensatory mechanism recruitment hypothesis. *Alzheimer's & dementia : the journal of the Alzheimer's Association*, *4*(4), 251–254. https://doi.org/10.1016/j.jalz.2008.02.006
- Han, S.D., Suzuki, H.\*, Drake, A.I., Jak, A.J., Houston, W.S., & Bondi, M.W. (2009). Clinical, cognitive, and genetic predictors of change in job status following traumatic brain injury in a military population. *The Journal of head trauma rehabilitation*, 24(1), 57–64. https://doi.org/10.1097/HTR.0b013e3181957055
- 11. Kalkut, E.L., **Han, S.D.,** Lansing, A.E., Holdnack, J.A., & Delis, D.C. (2009). Development of set-shifting ability from late childhood through early adulthood. *Archives of clinical neuropsychology : the official journal of the National Academy of Neuropsychologists*, *24*(6), 565–574. https://doi.org/10.1093/arclin/acp048
- 12. Schiehser, D.M., **Han, S.D.**, Lessig, S.\*, Song, D.D., Zizak, V.\*, & Filoteo, J.V. (2009). Predictors of health status in nondepressed and nondemented individuals with Parkinson's disease. *Archives of clinical neuropsychology : the official journal of the National Academy of Neuropsychologists*, *24*(7), 699–709. https://doi.org/10.1093/arclin/acp064
- 13. **Han, S.D.,** Bangen, K.J.\*, & Bondi, M.W. (2009). Functional magnetic resonance imaging of compensatory neural recruitment in aging and risk for Alzheimer's disease: review and recommendations. *Dementia and geriatric cognitive disorders*, *27*(1), 1–10. https://doi.org/10.1159/000182420
- 14. **Han, S.D.,** & Wible, C.G. (2010). Neuroimaging of semantic processing in schizophrenia: a parametric priming approach. *International journal of psychophysiology : official journal of the International Organization of Psychophysiology*, 75(2), 100–106. https://doi.org/10.1016/j.ijpsycho.2009.09.004
- 15. Suzuki, H., **Han, S.D.**, & Lucas, L.R. (2010). Chronic passive exposure to aggression decreases D2 and 5-HT 1B receptor densities. *Physiology & behavior*, *99*(5), 562–570. https://doi.org/10.1016/j.physbeh.2010.01.018
- 16. Bangen, K.J.\*, Jak, A.J., Schiehser, D.M., Delano-Wood, L., Tuminello, E.\*, Han, S.D., Delis, D.C., & Bondi, M.W. (2010). Complex activities of daily living vary by mild cognitive impairment subtype. *Journal of the International Neuropsychological Society : JINS*, 16(4), 630–639. https://doi.org/10.1017/S1355617710000330
- 17. **Han, S.D.,** Suzuki, H.\*, Jak, A.J., Chang, Y.L.\*, Salmon, D.P., & Bondi, M.W. (2010). Hierarchical cognitive and psychosocial predictors of amnestic mild cognitive impairment. *Journal of the International Neuropsychological Society : JINS*, *16*(4), 721–729. https://doi.org/10.1017/S1355617710000512
- 18. Suzuki, H.\*, **Han, S.D.,** & Lucas, L.R. (2010). Increased 5-HT1B receptor density in the basolateral amygdala of passive observer rats exposed to aggression. *Brain research bulletin, 83*(1-2), 38–43. https://doi.org/10.1016/j.brainresbull.2010.06.007
- 19. Tuminello, E.R., & **Han, S.D.** (2011). The apolipoprotein e antagonistic pleiotropy hypothesis: review and recommendations. *International journal of Alzheimer's disease, 2011*, 726197. https://doi.org/10.4061/2011/726197
- 20. Schiehser, D.M., Delis, D.C., Filoteo, J.V., Delano-Wood, L., **Han, S.D.**, Jak, A.J., Drake, A.I., & Bondi, M.W. (2011). Are self-reported symptoms of executive dysfunction associated with objective executive function performance following mild to moderate traumatic brain injury?. *Journal of clinical and experimental neuropsychology*, *33*(6), 704–714. https://doi.org/10.1080/13803395.2011.553587
- 21. **Han, S.D.,** Arfanakis, K., Fleischman, D.A., Leurgans, S.E., Tuminello, E.R.\*, Edmonds, E.C.\*, & Bennett, D.A. (2012). Functional connectivity variations in mild cognitive impairment: associations with cognitive function. *Journal of the International Neuropsychological Society : JINS*, *18*(1), 39–48. https://doi.org/10.1017/S1355617711001299
- 22. Han, S.D., Boyle, P.A., Arfanakis, K., Fleischman, D.A., Yu, L., Edmonds, E.C.\*, & Bennett, D.A. (2012). Neural intrinsic connectivity networks associated with risk aversion in old age. *Behavioural brain research*, *227*(1), 233–240. https://doi.org/10.1016/j.bbr.2011.10.026
- 23. Stricker, N.H.\*, Dodge, H.H., Dowling, N.M., **Han, S.D.**, Erosheva, E.A., Jagust, W.J., & Alzheimer's Disease Neuroimaging Initiative (2012). CSF biomarker associations with change in hippocampal volume and precuneus thickness: implications for the Alzheimer's pathological cascade. *Brain imaging and behavior*, *6*(4), 599–609. https://doi.org/10.1007/s11682-012-9171-6
- 24. Han, S.D., Gruhl, J., Beckett, L., Dodge, H.H., Stricker, N.H.\*, Farias, S., Mungas, D., & Alzheimer's Disease Neuroimaging Initiative (2012). Beta amyloid, tau, neuroimaging, and cognition: sequence modeling of biomarkers for Alzheimer's Disease. *Brain imaging and behavior*, 6(4), 610–620. https://doi.org/10.1007/s11682-012-9177-0

- 25. Ruppert, P.\*, Edmonds, E.C.\*, Brook, M.\*, Musil, S., & **Han, S.D.** (2012). Neuropsychological assessment in a case of adult-onset hemophagocytic lymphohistiocytosis (HLH). *The Clinical neuropsychologist*, *26*(6), 1038–1052. https://doi.org/10.1080/13854046.2012.702788
- 26. Wingo, J.\*, Kalkut, E.\*, Tuminello, E.\*, Asconape, J.\*, & **Han, S.D.** (2013). Executive functions, depressive symptoms, and college adjustment in women. *Applied neuropsychology. Adult, 20*(2), 136–144. https://doi.org/10.1080/09084282.2012.670154
- 27. **Han, S.D.,** Buchman, A.S., Arfanakis, K., Fleischman, D.A., & Bennett, D.A. (2013). Functional connectivity networks associated with chronic musculoskeletal pain in old age. *International journal of geriatric psychiatry*, *28*(8), 858–867. https://doi.org/10.1002/gps.3898
- 28. Fleischman, D.A., Yu, L., Arfanakis, K., Han, S.D., Barnes, L.L., Arvanitakis, Z., Boyle, P.A., & Bennett, D. A. (2013). Faster cognitive decline in the years prior to MR imaging is associated with smaller hippocampal volumes in cognitively healthy older persons. *Frontiers in aging neuroscience*, *5*, 21. https://doi.org/10.3389/fnagi.2013.00021
- 29. **Han, S.D.,** Boyle, P.A., Yu, L., Fleischman, D.A., Arfanakis, K., & Bennett, D.A. (2013). Ventromedial PFC, parahippocampal, and cerebellar connectivity are associated with temporal discounting in old age. *Experimental gerontology*, *48*(12), 1489–1498. https://doi.org/10.1016/j.exger.2013.10.003
- 30. **Han, S.D.,** Boyle, P.A., Yu, L., Fleischman, D.A., Arfanakis, K., Leurgans, S., & Bennett, D.A. (2014). Financial literacy is associated with medial brain region functional connectivity in old age. *Archives of gerontology and geriatrics*, *59*(2), 429–438. https://doi.org/10.1016/j.archger.2014.05.001
- 31. Fleischman, D.A., Leurgans, S., Arfanakis, K., Arvanitakis, Z., Barnes, L.L., Boyle, P.A., **Han, S.D.**, & Bennett, D.A. (2014). Gray-matter macrostructure in cognitively healthy older persons: associations with age and cognition. *Brain structure & function*, *219*(6), 2029–2049. https://doi.org/10.1007/s00429-013-0622-7
- 32. James, B.D., Boyle, P.A., Yu, L., **Han, S.D.**, & Bennett, D.A. (2015). Cognitive decline is associated with risk aversion and temporal discounting in older adults without dementia. *PloS one*, *10*(4), e0121900. https://doi.org/10.1371/journal.pone.0121900
- 33. **Han, S.D.,** Boyle, P.A., James, B.D., Yu, L., & Bennett, D.A. (2015). Poorer Financial and Health Literacy Among Community-Dwelling Older Adults With Mild Cognitive Impairment. *Journal of aging and health*, *27*(6), 1105–1117. https://doi.org/10.1177/0898264315577780
- 34. **Han, S.D.,** Boyle, P.A., James, B.D., Yu, L., & Bennett, D.A. (2015). Mild cognitive impairment is associated with poorer decision-making in community-based older persons. *Journal of the American Geriatrics Society*, *63*(4), 676–683. https://doi.org/10.1111/jgs.13346
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# **COMMUNITY ENGAGEMENT**

Temple City Senior Center brain health talk, 12/6/22 Gardena Senior Center brain health talk, 1/12/23 Sierra Madre + Pasadena Village Older Adult Resource Fair, 2/15/23 Carson Senior Resource Fair, 3/2/23 El Sereno Senior Center brain health talk, 5/4/23 Gardena Older Americans Month Fair, 5/18/23 Pasadena Older Americans Month Fair, 5/23/23 El Monte Senior Center Talk, 6/5/23 Monterey Park Senior Center brain health talk, 6/20/23

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