Christine Nicole Smith, Ph. D.

Personal

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Current Positions Research Health Scientist
Research Service, Veterans Affairs San Diego Healthcare System

Associate Professor
Department of Psychiatry, University of California San Diego

Professional Positions

1996-2000	Teaching Assistant, University of Wisconsin Milwaukee (part-time)
1998-1999	Research Assistant, University of Wisconsin Milwaukee (summer session)
2001-2003	Research Assistant, University of Wisconsin Milwaukee
2003-2007	Postdoctoral Fellow, University of California San Diego
2007-2013	Assistant Project Scientist, University of California San Diego
2011-present	Research Health Scientist, Research Service, Veterans Affairs San Diego Healthcare System
2013-2017	Assistant Research Scientist, University of California San Diego
2017-2024	Assistant Professor, University of California San Diego
2020-present	Faculty Member, University of California San Diego Neurosciences Graduate Program
2022-present	Head of Scientific Operations, Kaizen Brain Center, La Jolla, California
2024-present	Associate Professor, University of California San Diego

Education

1992-1996	B.A., University of Puget Sound, Major: Psychology
1996-1999	M.S., University of Wisconsin Milwaukee, Department of Psychology. Masters, December, 1999: Functional Neuroimaging of Human Differential Fear Conditioning
1999-2003	Ph.D., University of Wisconsin Milwaukee, Department of Psychology. Dissertation May 2003: Network Analysis of Human Fear Conditioning: Differential Acquisition, Extinction, and Reversal

Memberships in Professional Associations

Society for Neuroscience
Cognitive Neuroscience Society
International Society for Behavioral Neuroscience (elected member)
San Diego Neurosciences Society (previously the San Diego Neurology Society)
Hippocampal Subfield Group
Western Neurosurgical Society (elected member)
Center for the Neurobiology of Learning and Memory (elected member)

Honors and Awards

2000-2002	Associated Graduate Students in Psychology Travel Award
2000	University of Wisconsin-Milwaukee Graduate Student Travel Award
2002	University of Wisconsin-Milwaukee Graduate Student Travel Award
2002	Graduate School Summer Research Assistantship for Dissertation Research
2002	American Psychological Association Dissertation Fellowship
2003-2005	Cognitive Neuroscience Postdoctoral Fellowship (NIH)
2005-2006	Neuroplasticity of Aging Postdoctoral Fellowship (NIH)
2006	Dartmouth Summer Institute in Cognitive Neuroscience
2007-2008	Alzheimer's Disease Research Center Pilot Project Grant (NIH)
2010	Temporal Dynamics of Learning Center (NSF) Small Research Grant
2011	Temporal Dynamics of Learning Center (NSF) Project Research Grant
2013	Leon Thal Memorial Travel Grant

2013	Temporal Dynamics of Learning Center (NSF) Project Research Grant
2013	Temporal Dynamics of Learning Center (NSF) Junior Researcher Award
2015	Temporal Dynamics of Learning Center (NSF) Small Research Grant
2015	Temporal Dynamics of Learning Center (NSF) Junior Researcher Award
2026	Faculty Award for Excellence in Student Mentorship, University of California San Diego PATHways to STEM through Enhanced Access and Mentorship (PATHS) Program (UC PATHS)

Presentations

1998	Biophysics Brown Bag Presentation, Medical College of Wisconsin
1999	Graduate Student Symposium, University of Wisconsin-Milwaukee
2000	Society for Neuroscience Annual Meeting Oral Presentation
2001	Graduate Student Symposium, University of Wisconsin-Milwaukee
2001	Biophysics Brown Bag Presentation, Medical College of Wisconsin
2002	Cognitive Neuroscience Brown Bag Presentation, University of Wisconsin-Milwaukee
2002	Society for Neuroscience Annual Meeting Oral Presentation
2003	Cognitive Neuroscience Fellows Annual Meeting, University of California San Diego
2004	Invited Talk, Ponce School of Medicine, Puerto Rico
2006	Psychiatry Junior Faculty Symposium, University of California San Diego
2006	Neurobiology Department Neuro-Dinner, University of California San Diego
2007	Medial Temporal Lobe Imaging Group, University of California San Diego
2008	Joint Sensorimotor Network/Interacting Memory Systems Network Retreat, Monterey, California
2009	Invited Talk, Neurodegeneration Seminar Series, Alzheimer's Disease Research Center, University of California San Diego
2009	Temporal Dynamics of Learning Center Annual Meeting, University of California San Diego
2010	Invited Talk, Cognitive Neuroscience Brown Bag, University of California San Diego
2011	Keynote Speaker, Psychiatry Research Symposium, University of California San Diego
2012	Invited Talk, Symposium for the Center for Translational Research and the Center for fMRI, University of California San Diego (youtube.com/watch?v=WnKgLisHRwQ&feature=youtu.be)
2013	International Society for Behavioral Neuroscience Annual Meeting
2014	Invited Talk, Clinical Neuroscience Seminar Series, Johns Hopkins University
2014	International Society for Behavioral Neuroscience Annual Meeting
2014	Society for Neuroscience Annual Meeting Oral Presentation
2014	Invited Talk, Temporal Dynamics of Learning Center Trainee Fellows Seminar, University of California San Diego
2015	Invited Talk, Temporal Dynamics of Learning Center Trainee Fellows Retreat, University of California San Diego
2015	Lew Judd Junior Faculty Psychiatry Research Symposium, University of California San Diego
2015	Invited Talk, Center for Functional Magnetic Resonance Imaging Seminar Series, University of California San Diego
2015	International Society for Behavioral Neuroscience Annual Meeting
2015	Western Neurosurgical Society Annual Meeting
2015	Invited Talk, Distinguished Educator Advisory Panel, University of California San Diego Temporal Dynamics of Learning Center
2017	International Society for Behavioral Neuroscience Annual Meeting
2017	Center for the Neurobiology of Learning and Memory Annual Meeting
2017	Basic Science Seminar Series, Department of Psychiatry, University of California San Diego
2017	Invited talk, Hillcrest Biomedical Sciences Seminar Series, University of California San Diego
2017	Invited talk, California Neurology Society/San Francisco Neurology Society Annual Conference
2017	Alzheimer's Disease Cognitive Interest Group, University of California San Diego
2018	Center of Excellence for Stress and Mental Health, Veterans Affairs San Diego Healthcare System
2018	International Conference on Learning and Memory, Huntington Beach, CA
2018	Speaker, Celebration of the Career of Larry Squire, University of California San Diego
2019	Cognitive Brown Bag, Department of Psychology, University of California San Diego
2019	Alzheimer's Disease Cognitive Interest Group, University of California San Diego
2019	International Society for Behavioral Neuroscience Annual Meeting
2020	Invited Talk, Psychology Colloquium Series, California State University San Bernardino
2021	Invited Talk, Lunch and Learn, Alzheimer's Disease Research Center, University of California San Diego
2021	Center for the Neurobiology of Learning and Memory Annual Meeting
2021	International Society for Behavioral Neuroscience Annual Meeting

2022	Center for the Neurobiology of Learning and Memory Annual Meeting
2022	International Society for Behavioral Neuroscience Annual Meeting
2022	Alzheimer's Disease Cognitive Interest Group, University of California San Diego
2023	Invited Talk, Ruhr-Universität Bochum, Bochum, Germany
2023	International Society for Behavioral Neuroscience Annual Meeting
2024	Center for the Neurobiology of Learning and Memory Annual Meeting
2024	Alzheimer's Disease Neuroimaging Group, University of California San Diego
2025	Invited talk, Southern California Memory Conference, University of California Los Angeles
2025	International Society for Behavioral Neuroscience Annual Meeting
2025	Invited talk, Epilepsy Research Meeting, University of California San Diego
2026	International Society for Behavioral Neuroscience Annual Meeting
2026	Center for the Neurobiology of Learning and Memory Annual Meeting
2026	Western Neurosurgical Society Annual Meeting

Ad-hoc Reviewer for Scientific Journals

Behavioral Neuroscience
Cerebral Cortex
Cognitive Neuropsychology
Cognitive, Affective, and Behavioral Neuroscience
Cognitive Research
Consciousness and Cognition
Cortex
Emotion
European Journal of Inflammation
Frontiers in Behavioral Neuroscience
Hippocampus
Human Brain Mapping
Journal of Alzheimer's Disease
Journal of Experimental Psychology
Journal of International Neuropsychological Society
Journal of Visual Experiments
Learning and Memory
Memory & Cognition
Neurobiology of Learning and Memory
Neurobiology of Stress
Neuroimage
Neuron
Neuropsychologia
Neuropsychology
Neuropsychology Reviews
Neuroscience & Biobehavioral Reviews
PLOS One
Psychological Research
Psychonomic Bulletin & Review

Intramural and Extramural, Community Outreach, and Diversity Service

2009	Volunteer, San Diego Science Festival, Balboa Park
2009	Volunteer docent, Body Worlds and the Brain-Our Three-Pound Gem, Museum of Natural History, Balboa Park, San Diego
2010	Volunteer, San Diego Chapter of the Society for Neuroscience
2012	Invited Speaker, Beach City Book Club, *Before I Go To Sleep* by S.J. Watson—a fictional account of a patient with memory impairment with symptoms similar to my Publication #13.
2015	Speaker, Distinguished Educator Advisory Panel hosted by the UCSD Temporal Dynamics of Learning Center
2016-2018	Secretary/Treasurer, San Diego Neurology Society (now the San Diego Neurosciences Society)
2016-2019	Member, Budget Committee, Research Service, Veterans Affairs San Diego Healthcare System
2016-present*	Member, DEI Action Committee, Department of Psychiatry, UCSD
2017-2019	Volunteer, San Diego March for Science
2017-2024	Member, Research Council of the Department of Psychiatry, UCSD

2018-present	Participant, National Alliance for Mental Illness Walk, Team: Department of Psychiatry
2018-2021	President, San Diego Neurosciences Society
2019	Completed Junior Faculty Mentor Training Program, UCSD
2019-present	Participant, Alzheimer's Association Walk, Team: Alzheimer's Disease Research Center
2020-present	Member of the Institutional Review Board, Veterans Affairs San Diego Medical Center
2020	Six outreach lectures at the San Diego Glenner Alzheimer's Center Memory Café gatherings for community dwelling elderly individuals with normal cognition or cognitive decline: Memory and the Brain: Making new memories and remembering the old ones
2020-present*	Peer Support Program, Department of Psychiatry, UCSD
2020-present*	Faculty mentor, Mentorship for Advancing Diversity in Undergraduate Research on Aging MADURA Program, UCSD
2022-present*	Faculty mentor, PATHways to STEM through Enhanced Access and Mentorship (PATHS) Program, UCSD
2023-present*	Faculty mentor, Summer Training Academy for Research Success (STARS), UCSD
2023-present	Participant, San Diego Brain Injury Foundation Headstrong Walk; Team: Kaizen Brain Center
2024*	Panel member, PsyBeta Day, UCSD, Outreach event to support community college students ready to transfer to UC schools
2024-present*	Faculty mentor, Creating Diversity in Science through Research Education (CADRE) program, UCSD ACTRI (see article in UC San Diego Today: https://today.ucsd.edu/story/san-diego-mesa-college-research-interns-spread-their-wings-in-uc-san-diego-labs)
2024-present	Lead, Website subcommittee of the UCSD Department of Psychiatry

*these activities are designed to empower individuals under-represented in STEM fields.

Intramural and Extramural Scientific Activities

2007-2008	Director of the Medial Temporal Lobe Imaging Group Seminar Series, UCSD
2009-2010	Judge, Student Research Symposium, San Diego State University
2009	Judge and Moderator, Summer Research Conference, UCSD
2009	Abstract Reviewer, Temporal Dynamics of Learning Center Annual Meeting
2010	Radio Interview, All in the Mind, *Twenty Four Hour Memory Loss,* BBC Radio
2010	Grant reviewer, Alzheimer's Society Studentship Grants
2011	Interview, *Hippocampus Plays Bigger Memory Role than Previously Thought*, UCSD News by Scott LaFee
2012	Organizer and Moderator, 7th Annual Junior Faculty and Postdoctoral Fellows Research Symposium, Department of Psychiatry, UCSD
2013, 2014	Judge, Data Blitz, Annual meeting for the Center for the Neurobiology of Learning and Memory, University of California Irvine
2015	Grant reviewer, Alzheimer's Society Research Programme (United Kingdom)
2017	Interviews, podcasts for students from San Diego High-Tech Middle School
2018	Grant reviewer, Medical Research Council (MRC) (United Kingdom)
2018	Chair, Open paper session, International Conference on Learning and Memory, University of California Irvine
2018	Organizer, 1-day research symposium titled: Celebration of the Career of Larry Squire
2019	Panel Member, Psychiatry Department 50th Anniversary Symposium, UCSD
2020	Grant reviewer, Medical Research Council (MRC) (United Kingdom)
2020	Grant reviewer, National Science Foundation
2020-2022	Program Committee, Western Neurosurgical Society
2022	Grant reviewer, Canada Foundation for Innovation John R. Evans Leaders Fund (Canada)
2022-2025	Member at Large (webmaster), International Society for Behavioral Neuroscience
2022	Randall Smith Lecture Committee, Western Neurosurgical Society
2023	Grant reviewer, National Science Foundation
2023	Grant reviewer, UCSD Altman Clinical Translational Research Institute
2023-2024	Development Committee, Western Neurosurgical Society
2024	NIH Study Section
2025-present	Treasurer, International Society for Behavioral Neuroscience

Mentoring

2004	Advised two high school students who completed high school science projects

2008	Lisa Graves (UCSD Psychology undergraduate research assistant): Ms. Graves obtained her Ph.D. in Clinical Psychology from the UCSD/SDSU Joint Doctoral program and now has a tenure-track position at California State University San Marcos.
2009*	Flora Suh (UCSD Psychology undergraduate research assistant). Ms. Suh obtained her Ph.D. in Clinical Psychology and Clinical Neuropsychology from the University of Queensland, Australia and now has a private practice in New South Wales, Australia.
2009-2012	Ashley Knutson (UCSD Biology undergraduate research assistant): Ms. Knutson obtained a Masters in Biology from UCSD, followed by a Masters in Nursing from the Columbia School of Nursing. She is now a Nurse Practitioner in New York State.
2009-2012	Zhuang Song, Ph.D. (post-doctoral fellow): Dr. Song is now a Clinical Neuroimaging Data Scientist at Genentech/Roche.
2010	Susan McDuff, Ph.D. (volunteer research assistant and medical student): Dr. McDuff is now a physician in the Boston area.
2010	Devon Christopher (UCSD Psychology undergraduate research assistant): Ms. Christopher obtained her Ph.D. from the University of Pennsylvania.
2010	Michael Benjamin (high school student, honors project)
2010-2014	Soyun Kim, Ph.D. (post-doctoral fellow): Dr. Kim is now a Project Scientist at University of California Irvine.
2011-2016	Adam Dede (graduate student with Dr. Larry Squire): Mr. Dede completed his post-doctoral fellowship and has accepted a position at the University of Phayao, Thailand.
2013-2017	Zhisen Urgolites, Ph.D. (post-doctoral fellow). After serving as a mentor for Dr. Urgolites for two training grants (Cognitive Neuroscience Postdoctoral Fellowship (NIH); Neuroplasticity of Aging Postdoctoral Fellowship (NIA)] she obtained a position as a Project Scientist at UCSD. She is now at data scientist at FICO.
2014-2016	Shuying Yu (UCSD Psychology and UCSD Cognitive Science undergraduate). After serving as a mentor for Ms. Yu in the honors program in Psychology and for her NSF-funded Research Experience for Undergraduates fellowship she graduated from UCSD. She obtained her Ph.D. from the University of California Santa Barbara.
2015-2018	Andrew Cawley-Bennett, B.S. (volunteer research assistant): After obtaining his B.S. from UCSD, Mr. Cawley-Bennett served as post-baccalaureate scholar and then as my paid research assistant. He has now earned his Ph.D. in Psychology from Emory University.
2015-2016	Ryan Ward (UCSD Biology undergraduate research assistant): Mr. Ward is currently in medical school at University of Colorado School of Medicine, Denver, Colorado.
2016 (spring)	Scott Vincent (UCSD Cognitive Sciences undergraduate research assistant): Mr. Vincent is currently in the doctoral program at the University of California Los Angeles Neuroscience Interdepartmental Program.
2016 (summer)	Julia Gulliver (visiting undergraduate research assistant from the University of California Davis): Ms. Gulliver obtained her B.S. from UC Davis and is currently working as a scribe in a medical office and applying to get a master's in nursing
2016-2021*	Isabel Asp (UCSD Psychology undergraduate): After obtaining her B.S. from UCSD, Ms. Asp began working as my paid Research Assistant in July 2018. She now works in an outpatient neurology clinic.
2018 (summer)	Aaron Creswell (UCSD Biology undergraduate research assistant). Mr. Creswell is currently in a master's program at UCSD and is currently enrolled in medical school at California Northstate University.
2018-2020	Matthew Koester (UCSD Psychology undergraduate research assistant): After obtaining his B.S. in 2019 from UCSD, Mr. Koester worked as my paid research assistant until December 2020.
2018-2019	Eunice Lee (UCSD Psychology undergraduate research assistant): Ms. Lee obtained her B.S. in Psychology from UCSD.
2019-2020	Irene Chu (UCSD Biology undergraduate research assistant): Ms. Chu is obtained her B.S. in Biology from UCSD.
2019 (summer)	Julia Chang (visiting undergraduate research assistant from New York University): Ms. Chang obtained her B.S. from Barnard College in New York.
2019-2021	Zimu Li (UCSD Cognitive Science and UCSD Psychology undergraduate research assistant): Mr. Li obtained a B.S. in Cognitive Science and Psychology (double major) from UCSD in 2021 and obtaining his Master's in Integrative Neuroscience at Georgetown University. He is currently in a doctoral program in Psychology at the University of Illinois, Urbana-Champlain.
2019-2023	Catherine Tallman, B.S. (UCSD Psychology doctoral student): Ms. Tallman earned her Ph.D. from UCSD and is now a post-doctoral scholar at UCSD.
2020-2021	Richard (Du) Xiang (UCSD Data Science undergraduate research assistant): Mr. Xiang is currently enrolled in a master's program at UC Berkeley in Computer Science.

2020-2021*	Brigitte Guzman (UCSD Psychology undergraduate research assistant): Ms. Guzman obtained her B.S. is Psychology at UCSD. She was a MADURA scholar (Mentorship for Advancing Diversity in Undergraduate Research on Aging. She was accepted into the Department of Psychology doctoral program at the University of Arizona.
2020-2023*	Jasmine Baños (UCSD Psychology undergraduate research assistant): Ms. Baños obtained her B.S. is Psychology at UCSD in 2021. She was a MADURA (Mentorship for Advancing Diversity in Undergraduate Research on Aging) scholar. She continues to assist with data analysis and writing for a scientific manuscript.
2020-2021*	Angeela Poudel (UCSD Biology undergraduate research assistant): Ms. Poudel obtained her B.S. in Biology from UCSD in 2021. She is currently enrolled in a master's program in Health Informatics at UC Davis.
2020-2021	Jamie (Xin) Wang, M.S. (Visiting Scholar): Ms. Wang is currently a research assistant in the laboratory of Dr. Sarah Banks at UCSD.
2021	Zeljana Babic, B.S. (UCSD Neurosciences graduate student): Ms. Babic completed a rotation in my laboratory during the Winter quarter.
2021	Emma Spillman, B.S. (UCSD Neurosciences graduate student): Ms. Spillman completed a rotation in my laboratory during the Spring quarter.
2021-2022	Xinran (Ran) Zhang, B.S. (post-baccalaureate scholar): After obtaining her B.S. from UCSD, Ms. Zhang is serving as a volunteer research assistant. She is currently enrolled in a doctoral program in Psychology at Washington University.
2021-2022	Songyuan (Garrett) Tan (UCSD Psychology undergraduate research assistant): Mr. Tan obtained his B.S. in Psychology from UCSD in 2022. He is currently enrolled in the doctoral program in Psychology at University of Wisconsin Madison.
2021-2023	Zhishang (Jack) Luo (UCSD Data Science undergraduate research assistant): Mr. Luo obtained his B.S. in Data Science from UCSD and is currently enrolled in the Data Science Doctoral program at UCSD.
2021-2022*	Nikta Asadollahi (UCSD Psychology undergraduate research assistant): Ms. Asadollahi is currently obtaining her B.S. in Psychology from UCSD.
2022-2023	Jialong (Alex) Guo (UCSD Cognitive Science and UCSD Psychology undergraduate research assistant): Mr. Guo obtained is B.S. in Cognitive Science from UCSD and is applying to Master's programs in Data Science.
2022-2026*	Jasmin Rosato (UCSD Psychology undergraduate research assistant). Ms. Rosato is obtaining research experience through UCSD's Regents Scholars Research Initiative program.
2022-2024*	Jacquelyn Tsui (UCSD Psychology undergraduate research assistant) is part of the PATHways to STEM through Enhanced Access and Mentorship (PATHS) Program, UCSD. She completed her masters in School Psychology from California State University of Los Angeles.
2022-present*	Michelle Gomez (UCSD Psychology undergraduate research assistant) is part of the PATHways to STEM through Enhanced Access and Mentorship (PATHS) Program, UCSD
2023-2024*	Margaret McKelvey-Whisler (UCSD Psychology undergraduate) is a MADURA (Mentorship for Advancing Diversity in Undergraduate Research on Aging) scholar. She was accepted into the CUNY Masters program in Disability Studies.
2023-summer	Olivia Zou (Fusion Academy High School) completed a 2-week intensive internship in the laboratory.
2023-2025*	Kophi Westerman, B.S. (research assistant): After obtaining their B.S. in Psychology from UCSD, they served as a paid research assistant in my laboratory.
2023-present*	Ricardo Amador, (UCSD Data Science undergraduate): Mr. Amador is currently obtaining his B.S. in Data Science at UCSD.
2024-present*	Kathy Nguyen, (UCSD Psychology undergraduate): Ms. Nguyen is part of the PATHways to STEM through Enhanced Access and Mentorship (PATHS) Program, UCSD.
2024-summer	Lisa-Marie Lampa, (Ruhr University) Bochum, Germany. Ms. Lampa completed a summer internship in the laboratory. Ms. Lampa is currently pursuing studies to be a clinical neuropsychologist.
2024-summer*	Oleksandr Sharlai, Mesa Community College student mentored via the CADRE (Creating Diversity in Science through Research Education) summer internship program.
2024-present*	Swarali Barhate, Mesa Community College student mentored via the CADRE (Creating Diversity in Science through Research Education) summer internship program. She continues working in the lab as a volunteer.
2024-2025*	Bianca Frias, I served as a faculty mentor for Ms. Frias as part of the PATHways to STEM through Enhanced Access and Mentorship (PATHS) Program, UCSD
2024-fall*	Travis Ramirez, UCSD Neurosciences graduate program rotation student.
2025-2026	Connie Xie, B.S., UCSD Psychology graduate who was hired as a paid research assistant in my lab.

2025-2026*	Zoe Goetze, B.S., UCSD Psychology graduate volunteering in my laboratory.
2025-present	Javier Sotelo (UCSD undergraduate). Mr. Sotelo is part of the PATHways to STEM through Enhanced Access and Mentorship (PATHS) Program, UCSD.

*mentoring these individuals reflects efforts to empower individuals under-represented in STEM fields

Teaching

1996-2000	Teaching Assistant, Courses: Introduction to Psychology, Physiological Psychology, Research Methods, and Psychophysiology, Department of Psychology, University of Wisconsin, Milwaukee
2009	Guest Lecturer, Human Memory, Department of Psychology, University of San Diego
2010	Guest Lecturer, SCANS Presents, Department of Cognitive Science, UCSD: Memory and the Brain: Remembering Recent and Remote Events
2014	Guest Lecturer, Introduction to Cognitive Neuroscience, Department of Psychology, UCSD: Long-Term Memory and Consolidation
2014	Guest Lecturer, Clinical Neuropsychology and Assessment, Department of Psychology, UCSD: An Unprecedented Case of Memory Impairment
2015	Guest Lecturer, Temporal Dynamics of Learning Center Bootcamp, UCSD: Memory Systems of the Brain
2015	Hands-on demonstration and explanation of cognitive neuroscience methods and neuroimaging for high school and pre-college students for Academic-Connections, UCSD Extension
2016-2017	Guest Lecturer, Geriatric Psychiatry Didactics, UCSD: The Status of Anterograde and Retrograde Amnesia after Brain Injury or Disease
2016-2020	Guest Lecturer, Clinical Neuroscience; University of San Diego. A two-lecture series each year: 1) The Status of Anterograde and Retrograde Amnesia after Brain Injury or Disease; 2) An Unprecedented Case of Memory Impairment
2017, 2018	Guest Lecturer, Geriatric Psychiatry Didactics, UCSD: Encoding and Retrieving Memories: Lessons from Functional Neuroimaging in Young and Older Adults
2017	Guest Lecturer, Learning: Brain and Behavior, Department of Cognitive Science, UCSD: Memory Encoding and Retrieval in Amnesic Patients
2017	Guest Lecturer, Clinical Neuropsychology Seminar, Department of Psychology, UCSD
2019	Guest Lecturer, St. Michaels Episcopal Day School (lecture about the brain and brain safety for a class of second graders)
2022	Guest Lecturer, T32 Biological Psychiatry Didactic Seminar, Department of Psychiatry, UCSD: Memories acquired across the lifetime: behavioral, genetic, and brain correlates in Mild Cognitive Impairment.
2022	Proposal reviewer, Minor Proposition Study Section for NEUG 280, Department of Neurosciences, UCSD
2023	Guest Lecturer, Faculty Seminar Series (COGS 200), Department of Cognitive Science, UCSD: Memories acquired across the lifetime: behavioral, genetic, and brain correlates of retrograde memory.
2024	Proposal reviewer, Minor Proposition Study Section for NEUG 280, Department of Neurosciences, UCSD
2026	Guest Lecturer, T-32 Biological Psychiatry Didactic Seminar, Department of Psychiatry, UCSD: Memories acquired across the lifetime: behavioral, genetic, and brain correlates of retrograde memory

Master's and Dissertation Committees

2019-2020	Chair of Master's Committee, Catherine Tallman, Department of Psychology, UCSD
2019-2021	Member of Dissertation Committee, Charlies Dickey, Department of Neurosciences, UCSD
2020-present	Member of Dissertation Committee, Jarrett Thomas Lovelett, Department of Psychology, UCSD
2021-2023	Chair of Dissertation Committee, Catherine Tallman, Department of Psychology, UCSD
2023-2025	Member of Dissertation Committee, Mia Borzello, Department of Cognitive Science, UCSD

<u>Research Grants</u>

I01CX002626 Merit Review (Smith/Delano-Wood) 04/01/2023-03/31/2027
Veterans Affairs
Use of Novel Neuroimaging, Neuropsychological Methods, and Retrograde Memory Test to Detect Cognitive and Cerebral Disruption in Veterans with Mild Traumatic Brain Injury

The proposed research investigates the utility of novel ways of examining cognition and white matter, as well as a novel test of news events, in the study of adults with and without histories of mild traumatic brain injury.
Role: Contact Principal Investigator

R01 NS124585 (McDonald) 12/15/2021-11/30/2026
NIH/NINDS
Multimodal imaging of memory reorganization in epilepsy from whole brain networks to local neuronal responses: Implications for surgical-decision-making
The grant investigates the utility of non-invasive multimodal imaging in the preoperative evaluation of patients with temporal lobe epilepsy and examines which method or combination of imaging methods (fMRI, DTI, structural morphometry) and clinical variables best predict postoperative memory outcome.
Role: Co-Investigator

Pilot Project Award (Smith) 05/01/2023-04/30/2024
UCSD ACTRI
Memory Across the Lifespan and its Relationship to Memory Structures in the Brain
The proposed research investigates retrograde memory for news events in older adults with or without cognitive impairment and relates memory to the structure of medial temporal lobe and hippocampal subregions.
Role: Principal Investigator

2 R56 NS065838 (McDonald) 05/01/2020-11/30/2021
NIH/NINDS
Multimodal imaging of memory reorganization in epilepsy from whole brain networks to local neuronal responses: Implications for surgical-decision-making
The proposed research investigates the utility of non-invasive multimodal imaging in the preoperative evaluation of patients with temporal lobe epilepsy and examines which method or combination of imaging methods (fMRI, DTI, structural morphometry) and clinical variables best predict postoperative memory outcome.
Role: Co-Investigator

I01CX001375 Merit Review (Smith) 10/01/2016-09/30/2020 (NCE 09/30/2022)
Veterans Affairs
The Functional and Structural Neuroanatomy of Past Remembrance
This grant proposes to study past remembrance by examining memory, brain structure, and brain function in healthy and memory-impaired patients.
Role: Principal Investigator

5 R01 MH024600-43 (Squire) 01/01/1979-06/30/2021 (NCE 10/31/2021)
NIH/NIMH
Memory Systems of the Mammalian Brain
This grant supports studies with amnesic patients to investigate the organization of declarative memory and the nature of nondeclarative memory. The grant also supports studies of declarative and nondeclarative memory using functional magnetic resonance imaging.
Role: Co-Investigator

I01CX000359 Merit Review (Squire) 04/01/2015-03/31/2019 (NCE 12/31/2019)
Veterans Affairs
The Neuropsychology of Memory
This project proposes to study eye movements in relation to the strength of declarative memory and in relation to the aware-unaware status of individual scenes.
Role: Co-Investigator

SBE0542013 (Cottrell) 10/01/2013-09/30/2016
National Science Foundation
The Temporal Dynamics of Learning Center, an NSF Science Learning Center
Subproject: *The Role of Medial Temporal Lobe and Neocortex in Anterograde and Retrograde Memory Impairment*
This project proposes to investigate the relationship between measures of anterograde memory and retrograde memory in patients who have damage to the hippocampus or larger lesions of the medial temporal lobe.
Role: Co-Principal Investigator of Subproject

SBE0542013 (Cottrell) 09/01/2011-08/31/2013
National Science Foundation
The Temporal Dynamics of Learning Center, an NSF Science Learning Center

Subproject: *Brain activity in humans as a function of study-test interval using fMRI*
This project proposes to study brain activity in humans using functional MRI when there are different intervals between the study period and the test period.
Role: Co-Principal Investigator of Subproject

P50 AG005131 (Thal) 04/01/1997-03/31/2009
NIH/NIA
UCSD Alzheimer's Disease Research Center Pilot Project Grant 04/01/2007-03/31/2008
Pilot Project: *Assessment of Recent and Remote Semantic Memory in Memory-Impaired Patients and Healthy Controls: A neuropsychological and fMRI study*
This project proposes to investigate the status of anterograde and retrograde memory in patients who have mild cognitive impairment relative to normal controls.
Role: Principal Investigator of Pilot Grant

Training Grants
5-T32-AG000216-14 Neuroplasticity of Aging Training Grant (Koo) 07/01/2005 – 06/30/2006
NIH/NIA
Assessment of Declarative Memories in Amnesics and Healthy Controls using Autobiographical Narratives and fMRI
Primary Research Advisor, Larry Squire, Ph.D.
Secondary Research Advisor, Robert Clark, Ph.D.

5-T32-MH20002-5 Cognitive Neurosciences Training Grant (Sejnowski) 07/01/2003 – 06/30/2005
NIH/NIMH
Assessment of Declarative Memory in Amnesic Patients and Healthy Controls
Primary Research Advisor, Larry Squire, Ph.D.
Secondary Research Advisor, Robert Clark, Ph.D.

Publications: Journals and Chapters

1. Knight, DC, **Smith, CN**, Stein, EA, & Helmstetter, FJ (1999). Functional MRI of human pavlovian fear conditioning: Patterns of activation as a function of learning. *Neuroreport*, 10, 3665-3670. PMCID: PMC10619663

2. Cheng, DT, Knight, DC, **Smith, CN**, Stein, EA, & Helmstetter, FJ (2003). Functional MRI of human amygdala activity during pavlovian fear conditioning, stimulus processing versus response expression. *Behavioral Neuroscience*, 11(1), 1-12. PMCID: PMC12619902

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