

Christine Nicole Smith, Ph. D.

Personal

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

Assistant 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-present Assistant 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

American Psychological Society
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
Positive Living Workgroup
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

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=WnKgLiHRwQ&feature=youtu.be](https://www.youtube.com/watch?v=WnKgLiHRwQ&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

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
 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
 Neuron
 Neuropsychologia
 Neuropsychology
 Psychological Research

Intramural and Extramural Service and Community Outreach

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 a patient I studied (see 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, Diversity Committee of the Department of Psychiatry, UCSD
 2017-2019 Volunteer, San Diego March for Science
 2017-present Member, Research Council of the Department of Psychiatry, UCSD
 2018-present Participant, National Alliance for Mental Illness walk, Team: Department of Psychiatry
 2018-present President, San Diego Neurosciences Society
 2019-present Participant, Alzheimer's Association walk, Team: Alzheimer's Disease Research Center
 2020-present Member, Veterans Affairs Institutional Review Board
 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

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, 2020 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, National Science Foundation
 2020 Organized Special Lecture for the annual meeting of the Western Neurosurgical Society

Mentoring

2004 Advised two high school students who completed high school science projects
 2008 Lisa Graves (UCSD Psychology undergraduate research assistant): Ms. Graves is currently completing a clinical internship as part of her training in clinical psychology in the joint doctoral program at San Diego State University and University of California San Diego
 2009 Flora Suh (UCSD Psychology undergraduate research assistant). After working in the laboratory as an exchange student from University of Auckland, Ms. Suh obtained her Ph.D. in Clinical Psychology and Clinical Neuropsychology from the University of Queensland, Australia. She is now in private practice in New South Wales, Australia.
 2009-2011 Ashley Knutson (UCSD Biology undergraduate research assistant): Ms. Knutson obtained her B.S. in Biology and was accepted into the UCSD Biology Masters program (see 2011-2012 below).
 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.
 2011-2012 Ashley Knutson. B.S. (UCSD Biology Masters student): Ms. Knutson was awarded UCSD Master's degree in Biology in 2012 and then obtained a Masters in Nursing from the Columbia School of Nursing in 2015. She is now a Nurse Practitioner in New York.
 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
 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 is currently a graduate student at 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 a volunteer research assistant and then as my paid research assistant. He is currently in the doctoral program in Psychology at Emory University
 2016 Ryan Ward (UCSD Biology undergraduate research assistant): Mr. Ward is currently a medical student 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-present Isabel Asp (UCSD Psychology undergraduate): After obtaining her B.S. from UCSD, Ms. Asp began working as my paid Research Assistant in July 2018
 2018 (summer) Aaron Creswell (UCSD Biology undergraduate research assistant). Mr. Creswell is currently in a Master's program at UCSD and applying to medical schools.
 2018-present Matthew Koester (UCSD Psychology undergraduate research assistant): After obtaining his B.S. from UCSD, Mr. Koester began working as my paid research assistant in September 2019.
 2018-2019 Eunice Lee (UCSD Psychology undergraduate research assistant): Ms. Lee is currently obtaining her B.S. from UCSD.
 2019-2020 Irene Chu (UCSD Biology undergraduate research assistant): Ms. Chu is currently obtaining her B.S. from UCSD.
 2019 (summer) Julia Chang (visiting undergraduate research assistant from New York University): Ms. Chang is currently obtaining her B.S. from Barnard College in New York.

2019-present	Zimu Li (UCSD Cognitive Science and Psychology undergraduate research assistant): Mr. Li is currently obtaining his B.S. in Cognitive Science and Psychology (double major) from UCSD.
2019-present	Catherine Tallman, B.S. (UCSD Psychology doctoral student): Ms. Tallman is currently enrolled in the UCSD Psychology doctoral program.
2020-present	Richard (Du) Xiang (UCSD Data Science undergraduate research assistant): Mr. Xiang is currently obtaining his B.S. in Data Science from UCSD.
2020-present	Brigitte Guzman (UCSD Psychology undergraduate research assistant): Ms. Guzman is currently obtaining her B.S. in Psychology from UCSD.
2020-present	Jasmine Baños (UCSD Psychology undergraduate research assistant): Ms. Baños is currently obtaining her B.S. in Psychology from UCSD.
2020-present	Angeela Poudel (UCSD Biology undergraduate research assistant): Ms. Poudel is currently obtaining her B.S. in Biology from UCSD.
2020-present	Jamie (Xin) Wang, M.S. (Visiting Scholar)

Teaching

1996-2000	Teaching Assistant, Courses: Introduction to Psychology, Physiological Psychology, and Psychophysiology, Department of Psychology, University of Wisconsin, Milwaukee
2009	Guest Lecturer, Human Memory course, Department of Psychology, University of San Diego
2010	Guest Lecturer, SCANS Presents, Department of Cognitive Science, University of California, San Diego: Memory and the Brain: Remembering Recent and Remote Events
2014	Guest Lecturer, Introduction to Cognitive Neuroscience, Department of Psychology, University of California, San Diego: Long-Term Memory and Consolidation
2014	Guest Lecturer, Clinical Neuropsychology and Assessment, Department of Psychology, University of California San Diego: An Unprecedented Case of Memory Impairment
2015	Guest Lecturer, Temporal Dynamics of Learning Center Bootcamp, University of California San Diego: 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, University of California San Diego Extension
2016-2017	Guest Lecturer, UCSD Geriatric Psychiatry Didactics: The Status of Anterograde and Retrograde Amnesia after Brain Injury or Disease
2016-present	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, UCSD Geriatric Psychiatry Didactics: Encoding and Retrieving Memories: Lessons from Functional Neuroimaging in Young and Older Adults
2017	Guest Lecturer, Cognitive Science Seminar course titled Learning: Brain and Behavior, Department of Cognitive Science, University of California, San Diego: Memory Encoding and Retrieval in Amnesic Patients
2017	Guest Lecturer, UCSD Clinical Neuropsychology Seminar
2019	Guest Lecturer, St. Michaels Episcopal Day School (lecture about the brain and brain safety for a class of second graders)

Research Grants

R01 NS065838-10 (McDonald) 4/01/2020-3/31/2025

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

Merit Review (Smith) 10/01/16-09/30/20 (NCE 03/31/2021)

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) 01/01/79-06/30/21

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

Merit Review (Squire) 04/01/15-03/31/19 (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 (Cotrell) 10/01/13-09/30/16

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) 09/01/11-08/31/13

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) 04/01/97-03/31/09

NIH/NIA

UCSD Alzheimer's Disease Research Center Pilot Project Grant 04/01/07-03/31/08

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. PMID: PMC12619902
3. Knight, DC, Cheng, DT, **Smith, CN**, Stein, EA, & Helmstetter, FJ (2004). Neural substrates mediating human delay and trace fear conditioning. *Journal of Neuroscience*, 24(1), 218-28. PMID: PMC14715954
4. Knight, DC, Cheng, DT, **Smith, CN**, Stein, EA, & Helmstetter, FJ (2004). Amygdala and hippocampal activity during acquisition and extinction of fear conditioning. *Cognitive, Affective, and Behavioral Neuroscience*, 4(3), 317-25. PMID: PMC15535167
5. **Smith, CN**, Clark, RE, Manns, JR., & Squire, LR (2005). Acquisition of differential delay eyeblink classical conditioning is independent of awareness. *Behavioral Neuroscience*, 119(1), 78-86. PMID: PMC15727514
6. **Smith, CN** and Squire, LR (2005). Declarative memory, awareness, and transitive inference. *Journal of Neuroscience*, 25(44), 10138-46. PMID: PMC1457087
7. Gold, JJ, **Smith, CN**, Bayley, PJ, Shrager, Y, Brewer, JB, Stark, CEL, Hopkins, RO, & Squire, LR (2006). Item memory, source memory, and the medial temporal lobe: Concordant findings from fMRI and memory-impaired patients. *Proceedings of the National Academy of Sciences, USA*, 103, 9351-9356. PMID: PMC1482613
8. Cheng, DT, Knight, DC, **Smith, CN**, & Helmstetter, FJ (2006). Human amygdala activity during the expression of fear responses. *Behavioral Neuroscience*, 120(6), 1187-95. PMID: PMC17201461
9. **Smith, CN**, Hopkins, RO, & Squire, LR (2006) Experience-dependent eye movements, awareness, and hippocampus-dependent memory. *Journal of Neuroscience*, 26(44), 11304-11312. PMID: PMC2424210
10. Squire, LR, Bayley, PJ, & **Smith, CN** (2008). Amnesia: Declarative and Nondeclarative Memory. In: Larry R Squire (Ed.). *The Encyclopedia of Neuroscience*. San Diego: Elsevier.
11. **Smith, CN**, and Squire, LR (2008). Experience-dependent eye movements reflect hippocampus-dependent (aware) memory. *Journal of Neuroscience*, 28(49), 12825-12833. PMID: PMC19036976
12. **Smith, CN**, and Squire, LR (2009). Medial temporal lobe activity during retrieval of semantic memory is related to the age of the memory. *Journal of Neuroscience*, 29(4), 930-938. PMID: PMC19176802
13. **Smith, CN**, Frascino, JC, Kripke, DL, McHugh, PR, Treisman, GT, & Squire, LR (2010). Losing memories overnight: a unique form of human amnesia. *Neuropsychologia*, 48, 2833-2840. PMID: PMC2914200
14. Song, Z, Wixted, JT, **Smith, CN**, & Squire, LR (2011). Different nonlinear functions in hippocampus and perirhinal cortex relating functional MRI activity to memory strength. *Proceedings of the National Academy of Sciences, USA*, 108, 5783-8. PMID: PMC3078356
15. **Smith, CN**, Wixted, JT, & Squire, LR (2011). The hippocampus supports both recollection and familiarity when memories are strong. *Journal of Neuroscience*, 31, 15693-15702. PMID: PMC3220416
16. **Smith, CN**, Frascino, JC, Hopkins, RO, & Squire, LR (2013). The nature of anterograde and retrograde memory impairment after damage to the medial temporal lobe. *Neuropsychologia*, 51(13), 2709-2714. PMID: PMC3837701
17. **Smith, CN** (2013). *Autobiographical Memory Network* (Vol. 1, pp. 146-147); *Functional Magnetic Resonance Imaging* (Vol. 1, pp. 502-504); *Implicit Memory* (Vol. 1, pp. 566-569); *Magnetic Resonance Imaging* (Vol. 1, pp. 653-655); *Parahippocampal Gyrus* (Vol. 1, pp. 822-823); *Psychogenic Amnesia* (Vol. 1, pp. 905-907). In *Encyclopedia of Human Memory*. Santa Barbara, CA: Greenwood Publishers.
18. **Smith, CN**, Urgolites, ZJ, Hopkins, RO, & Squire, LR (2014). Comparison of explicit and incidental learning strategies in memory-impaired patients. *Proceedings of the National Academy of Sciences, USA*, 111(1), 475-479. PMID: PMC3890873
19. **Smith, CN**, Jeneson, A, Frascino, JC, Kirwan, CB, Hopkins, RO, & Squire, LR (2014). When recognition memory is independent of hippocampal function. *Proceedings of the National Academy of Sciences, USA*, 111(27), 9935-9940. PMID: PMC3837701

20. **Smith, CN** (2014). Retrograde memory for public events in mild cognitive impairment and its relationship to anterograde memory and neuroanatomy. *Neuropsychology*, 28(6), 959-972. PMID: PMC4227913
21. Urgolites, ZJ, **Smith, CN**, & Squire, LR (2015). True and false memories, parietal cortex, and confidence judgments. *Learning & Memory*, 22, 557-562. PMID: PMC4749729.
22. Dede, AJO, & **Smith, CN** (2016). The functional and structural neuroanatomy of systems consolidation for autobiographical and semantic memory. In MA Geyer, BA Ellenbroek, CA Marsden, and TRE Barnes (Series Ed.) & RE Clark and S Martin (Vol. Ed.), *Behavioral Neuroscience of Learning and Memory: Current Topics in Behavioral Neurosciences*. Berlin: Springer Publishing.
23. †**Smith, CN** & Squire, LR (2017). When eye movements express memory for old and new scenes in the absence of awareness and independent of hippocampus. *Learning & Memory*, 24(2), 95-103. PMID: PMC5238721
24. *Urgolites, ZJ, ***Smith, CN**, & Squire, LR (2018). Eye movements support the link between conscious memory and medial temporal lobe function. *Proceedings of the National Academy of Sciences, USA*, 115(29), 7599-7604. PMID: PMC6055153
- **25. †**Smith CN**, Squire LR. (2018). Awareness of what is learned as a characteristic of hippocampus-dependent memory. *Proceedings of the National Academy of Sciences, USA*, 115(47), 11947-11952. PMID: PMC5238721
- **article featured in BrainPost (<http://www.brainpost.co/>) "Conscious Awareness is a Key Feature of MTL-Dependent Memory" November 2018, and was featured on Eurikalert and Apple news.

*These authors contributed equally to the work

†Senior author