

Tammy Tran

Department of Psychological and Brain Sciences
 Johns Hopkins University
 tammy.tran@jhu.edu

Curriculum Vitae**Education**

Johns Hopkins University, Psychological & Brain Sciences	
Ph.D.	2013 – Present
M.A.	2015
University of Texas at Austin, Psychology	
B.S. with special honors	2009 – 2013

Research Experience

Stanford University	2019 - Present
Memory Lab	
PI: Anthony Wagner	
Postdoctoral Fellow	
Johns Hopkins University	
Gallagher Lab & Bakker Memory Lab, Psychological & Brain Sciences	2013 – 2019
PI: Michela Gallagher & Dr. Arnold Bakker	
Graduate Research Fellow	
University of Texas at Austin	
Preston Lab, Center for Learning and Memory	2012 – 2013
PI: Alison Preston with supervisor Meg Schlichting	
Honors thesis: Memory Strength in Associative Learning and Inference	
Language Development Lab, Children's Research Laboratory	2011 – 2013
PI: Catharine Echols	
Lab Manager, Research Assistant	
Research Project: Novel Contextual Environment in Learning	
Social Neuroendocrinology Laboratory, Department of Psychology	2011 – 2012
PI: Robert Josephs	
Evolutionary Psychology Laboratory, Department of Psychology	2011 – 2012
PI: David Buss	

Grants and Fellowships

Department of Defense, National Defense Science and Engineering Graduate Fellowship	2015 – 2018
National Institute on Aging and Johns Hopkins School of Medicine, T31 Fellowship: Aging and Age-Related Disorders Doctoral Training Program	2014 – 2015
University of Texas at Austin, Rapport-King Thesis Fellowship	2012 – 2013
University of Texas at Austin, Undergraduate Research Fellowship	2012

Honors and Awards

Lasker Essay Award, 2 nd Place	2017
Johns Hopkins University, Robert S. Waldrop Junior Investigator Award	2016
Society for Neuroscience Greater Baltimore Chapter Best Systems Student Poster Presentation	2015
University of Texas at Austin, Dean's Distinguished Graduate	2013
University of Texas at Austin, Liberal Arts Competitive Scholar Scholarship	2011

Publications

Jiang, A. †, **Tran, T.T.**, Madison, F., Bakker, A. (2019). Acute stress-induced cortisol elevation enhances pattern separation. *Learning and Memory*, 26, 121-127.

† denotes mentee

Tran, T.T., Speck, C., Pisupati, A., Gallagher, M., Bakker, A. (2017). Increased hippocampal activation in ApoE-4 carriers and non-carriers with Amnesic Mild Cognitive Impairment. *NeuroImage: Clinical*, 13, 237-245.

Tran, T.T., Speck, C., Gallagher, M., Bakker, A. (*In Revision*). Lateral entorhinal cortex hypoactivity in amnesic mild cognitive impairment.

Tran, T.T.*, Tobin, K.E.*, Block, S.H., Preston, A.R., Bakker, A. (*In Prep*). Memory Interaction and Integration in aging.

* denotes equal contribution

Tran, T.T., Tobin, K.E., Block, S.H., Puliyadi, V., Gallagher, M., Bakker, A. (*In Prep*). Age-related Memory changes for Object Identity and Object Position in Context

Tran, T.T., Gallagher, M., Bakker, A. (*In Prep*). Lateral Entorhinal Cortex: What, Where and When

Tran, T.T., Block, S.H., Mishra, V., Tobin, K.E., Chang, E., Puliyadi, V., Gallagher, M., Bakker, A. (*In Prep*). Evidence for Object-in-Context Encoding in Lateral Entorhinal Cortex and Medial Entorhinal Cortex.

Corona-Long, C.A., **Tran, T.T.**, Chang, E., Speck, C.L., Gallagher, M., Bakker, A. (*In Prep*). Sex differences in memory impairment due to hippocampal hyperactivity in mild cognitive impairment

Tran, T.T., Block, S.H., Mishra, V., Tobin, K.E., Chang, E., Puliyadi, V., Gallagher, M., Bakker, A. (*In Prep*). Functional Age-related Changes in Object-in-Context Memory

Selected Presentations & Posters

Tran, T.T. (2019). Age Related Memory Changes for Object Identity and Object Positions in Novel Environmental Scenes. Data Blitz Talk at the Annual Winter Conference on the Neurobiology of Learning and Memory, Park City, Utah.

Session Chair: **Tran, T.T.** & Bakker, A. (2019). Schemas: An Opportunity for Memory Interactions, Integration and Transformations. Annual Winter Conference on the Neurobiology of Learning and Memory, Park City, Utah.

Tran, T.T., Tobin., K.E., Block, S., Puliyadi, V., Gallagher, M., Bakker, A. (2018). Memory for Object Identity and Object Positions in Novel Environmental Scenes. Poster submitted to Society of Neuroscience Annual Meeting, San Diego, CA.

Tobin., K.E.*, **Tran, T.T.***, Block, S., Preston, A.R., Bakker, A. (2018). Memory Interaction and Integration in Young and Aged Adults. Poster submitted to the Society of Neuroscience Annual Meeting, San Diego, CA.

* denotes equal contribution

Tran, T.T., Speck, C., Gallagher, M., Bakker, A. (2016). Lateral entorhinal cortex dysfunction in amnesic mild cognitive impairment. Society for Neuroscience Annual Meeting, San Diego, CA.

Jiang, A.†, **Tran, T.T.**, Madison, F., Bakker, A. (2016). Acute stress induced cortisol elevation enhances memory consolidation. Society for Neuroscience Annual Meeting, San Diego, CA.

† denotes mentee

Tran, T.T., Speck, C., Pisupati, A., Gallagher, M., Bakker, A. (2015). Lateral entorhinal cortex hypoactivity in amnesic mild cognitive impairment. Society for Neuroscience Annual Meeting, Chicago, IL.

Tran, T.T., Speck, C., Pisupati, A., Gallagher, M., Bakker, A. (2015). Lateral entorhinal cortex hypoactivity in amnesic mild cognitive impairment. Society for Neuroscience Chapter Meeting, Baltimore, MD.

Selected as Best Systems Student Poster Presentation

Bakker, A., **Tran, T.T.**, Speck, C., Pisupati, A., Gallagher, M. (2015) The role of ApoE-4 in hippocampal hyperactivity in amnesic mild cognitive impairment. Alzheimer's Association International Conference, Washington, D.C.

Tran, T.T., Speck, C., Pisupati, A., Bakker, A., Gallagher, M. (2014). Default mode network changes in patients with and without mild cognitive impairment. Data blitz at the Neurobiology of Learning and Memory Conference, Park City, UT.

Tran, T.T., Schlichting, M.L., Zeithamova, D., Preston, A.R. (2013). The interaction between past and present memories: The role of memory strength. Dean's Undergraduate Research Reception, Austin, TX.

Teaching

Instructor, Research Methods and Design at Johns Hopkins University	2016
Teaching Assistant, Personality at Johns Hopkins University.	2015
Teaching Assistant, The Aging Brain at Johns Hopkins University	2015
Guest lecture, Neuroscience of Learning and Memory at Johns Hopkins University	2015, 2016
Teaching Assistant, Sleep, Arousal and Altered States of Consciousness at Johns Hopkins University	2014

Mentorship

Graduate Mentees

Katie Tobin	2017 – 2019
Postbaccalaureate Researcher	
Project: Memory Interaction and Integration in Young and Aged Adults	
Caitlin Corona	2017 – 2018
Postbaccalaureate Trainee	
National Institute of Health, Intramural Research Training Award	
Project: Cortical Thinning in Lateral and Medial Entorhinal Cortex in Amnesic Mild Cognitive Impairment	
Alice Jiang	2013 – 2016
Master's thesis: Acute stress-induced cortisol elevation enhances memory consolidation of highly similar items	
Senior thesis: Psychological and physiological influences on long term memory function	

Undergraduate Mentees

Sophia Block	2017 – Present
Varun Mishra	2018 – Present
Samantha Albstein	2017 – 2018
Sindu Ramachandra	2018
Christie Okoye	2017 – 2018
Angela Hu	2017 – 2018

Sebastian Mendez	2016 – 2018
Annie Elander	2016 – 2018
Senior thesis: The effects of cortisol on cognition and medial temporal lobe atrophy in older adults and amnesic Mild Cognitive Impairment Awarded the Provost Undergraduate Research Award	
Jennifer Su	2015 – 2018
Julia Bateh	2015 – 2017
Kallie Chen	2015 – 2017
Giana Dawood	2013 – 2016
Senior thesis: The effect of bilingualism on attention and set-switching Awarded the Provost Undergraduate Research Award	

Outreach

Project Bridge	2017 – Present
Member, organized Science Slams and spearheaded a project to display neural act in an educational way	
Psychological & Brain Sciences, Johns Hopkins University	2013 – 2016
Brain Awareness Day Introductory neuroscience lecture to freshman biology students at Baltimore Polytec Institute	
Department of Neuroscience, Johns Hopkins University	2014 – 2016
“Making Neuroscience Fun” Classes Guest taught neuroscience classes to K-8 grade	
Center for Learning and Memory, University of Texas at Austin	2013
“NeuroQuest” Science Workshops Helped organized a series of neuroscience workshops geared towards children and teens through the Preston Lab	
Open House for The University of Texas at Austin	2013
Explore UT: Designed and operated booth about psychology research geared toward families and children	
Center of Learning and Memory Conference, University of Texas at Austin	2012 – 2013
Memory Matters: Operated booth about memory research	
The University of Texas at Austin	2012
Longhorn Halloween: Designed and operated booth for the Children’s Research Lab	
Austin State Hospital – Austin, TX	2011 – 2013
Volunteered with patients and organized events for special occasions and holidays	

Academic Service

Organizer	2016 - Present
Psychological & Brain Sciences Professional Development Committee	
Organizer and Student Host	2015 - 2016
Psychological & Brain Sciences Colloquium Series	
Organizer and Host	2014 – 2017
Psychological & Brain Sciences Graduate Recruitment	

Class Representative Psychological & Brain Sciences Graduate Steering Committee	2013 – 2018
--	-------------

Professional Memberships

Alzheimer's Association	2014 – Present
Society for Neuroscience	2013 – Present
Cognitive Neuroscience Society	2013 – 2015