

Education	Columbia University 2014 – present <i>PhD candidate</i> in Neurobiology and Behavior
	Massachusetts Institute of Technology 2010 – 2014 B.Sc. in Biological Engineering cumulative GPA: 4.7/5.0 Minor: Brain and Cognitive Sciences
Academic and Professional Experience	Spatial memory and navigation, Columbia University September 2015 – present <i>Graduate Student</i> New York, NY Thesis research advised by Prof. Josh Jacobs. Studying single neuron coding of spatial memories in the human medial temporal lobe using intracranial EEG (iEEG).
	Automated single cell recordings, McGovern Institute at MIT May 2013 – May 2014 <i>Undergraduate Researcher</i> Cambridge, MA Worked in Prof. Ed Boyden's Synthetic Neurobiology Group on a project applying automated in vivo whole cell recordings to analyze single neuron functions in awake behaving mice, in order to better understand hippocampal network dynamics.
	Optogenetically probing memory, Picower Institute at MIT June 2012 – May 2013 <i>Undergraduate Researcher</i> Cambridge, MA Worked in the Tonegawa Lab on a project using optogenetic tools to elucidate the role of specific cell populations that are involved in memory processes.
Skills	Data collection: Human intracranial EEG, develop and run behavioral tasks with epilepsy patients, intracranial recordings using NeuroPort recording system, PsychoPy, eyetracking (Tobii TX300)
	Data analysis: Matlab, Python and R (proficient), spike sorting in Combinato
	Power spectral analysis, regression, time series analysis, statistics
	Data visualization: Affinity Designer, Keynote, Powerpoint
Publications	M. Tsitsiklis , Jonathan Miller, Salman E. Qasim, Cory S. Inman, Robert E. Gross, Jon T. Willie, Elliot H. Smith, Sameer A. Sheth, Catherine A. Schevon, Michael R. Sperling, Ashwini Sharan, Joel M. Stein, Joshua Jacobs (2020). Single-neuron representations of spatial targets in humans. <i>Current Biology</i> .
	J. Miller, A. Watrous, M. Tsitsiklis , S.A. Lee, S. Sheth, C. A. Schevon, E. H. Smith, M. Sperling, A. Sharan, A. Asadi-Pooya, G. A. Worrell, S. Meisenhelter, C. S. Inman, K. A. Davis, B. Lega, P. A. Wanda, S. R. Das, J. M. Stein, R. Gorniak, J. Jacobs (2018). Lateralized hippocampal oscillations underlie distinct aspects of human spatial memory and navigation. <i>Nature Communications</i> .
	J.C. McGowan, C. LaGamma, S.C. Lim, M. Tsitsiklis , Y. Neria, R.A. Brachman, C.A. Denny (2017). Prophylactic ketamine attenuates learned fear. <i>Neuropsychopharmacology</i> .
Awards	Georgakopoulos Family Fellowship (2018)
	Kavli SfN Graduate Travel Award (2017, 2018)
	T32 Training Grant for Advanced Students in Neurobiology and Behavior (2016-2018)
	NSF Graduate Research Fellowship Honorable Mention (2015)
	First place in the BE Znaty-Merck Undergraduate Research prize (2014)
Teaching, Volunteering	BME4000, Columbia Spring 2018 <i>Teaching Assistant</i> TA for Josh Jacobs' Electrophysiology of Human Memory and Navigation course.
	Columbia University Neuroscience Outreach: CUNO Fall 2015-present <i>Curriculum Development VP, Multi-visit VP</i> Work to improve single visits to classrooms to teach neuroscience. Also coordinate the multi-visit program, where volunteers teach a weekly hands-on neuroscience course at local middle schools in collaboration with Citizen Schools. Taught the multi-visit program three times.