

CURRICULUM VITAE

Wendy A. Suzuki, Ph.D.

Education

- 1987 B.A. in Physiology/Anatomy, University of California, Berkeley
Senior Thesis Advisor: Dr. Marion C. Diamond
- 1993 Ph.D. in Neuroscience, University of California, San Diego
Doctoral Thesis Advisors: Dr. David G. Amaral and Dr. Stuart Zola
- 1993-1997 Post-Doctoral Fellow, Laboratory of Neuropsychology
National Institute of Mental Health
Sponsor: Dr. Robert Desimone

Academic Positions

- 1998-2003 Assistant Professor of Neural Science
Center for Neural Science
New York University
- 2004-August 2010 Associative Professor of Neural Science and Psychology
Center for Neural Science
New York University
- September 2010 Professor of Neural Science and Psychology
Center for Neural Science
New York University

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Exercise Advocate and Science Storyteller

With the publication of her first book, *Healthy Brain Happy Life* (Harper Collins) in May of 2015, Suzuki immediately became an active and enthusiastic public advocate for the positive and multi-faceted effects of exercise on brain function across the lifespan. While she was already active in the public speaking domain, having given numerous TEDX talks, and participating in multiple story telling events for the Moth radio hour, the publication of the book expanded her public speaking and exercise advocacy activities exponentially. Her first book tour led to national TV appearances on CBS This Morning, the Dr. Oz Show, over 100 radio, podcast and video interviews as well as national and international public speaking engagements. Another major mode of communication with the general public together is her actively maintained website, www.wendysuzuki.com. She is also co-founder and CEO of an innovative new on-line platform that customize physical activity for various populations (BrainBody Inc.). Her goal is to use this new platform to help people use exercise to make positive changes in their brains using the principles and findings from the wider exercise literature and from her own research. Her second book “Good Anxiety Bad Anxiety” will soon be published.

Chronology of Suzuki’s national and international public speaking events and appearances

- Nov 2020** **Featured Expert.** National Geographic’s Special Issue on Memory by Tula Karras. https://www.amazon.com/National-Geographic-Memory-Works-Improve/dp/1547854030/ref=sr_1_1?dchild=1&keywords=tula+Karras&qid=1607284336&sr=8-1
- Nov 2020** **Public Interview.** Guest on Daniel Lulchuk’s Podcast Talking Beats. <https://open.spotify.com/episode/18FdYgTZojBZaSRNXvBvKc?si=Mbeb sWCbT86YsnBLU3-P7w>
- July 2020** **Public Speaking.** Keynote speaker for the American College of Sports Medicine Annual (Virtual) Conference – postponed from March 2020.
- June 2020** **Public Speaking and Exercise Class.** The Astonishing Effects of Exercise on the Brain PLUS 30 minute IntenSati Workout with Prof. Wendy Suzuki at the Manhattan JCC. Part of their Summer lecture series.
- March 2020** **Radio Interview.** Doctor Radio for SeriuX SM on the effects of exercise on COVID.
- March 2020** **TV Interview.** Metro Focus/Channel 13. Your brain during the lockdown. <https://mail.google.com/mail/u/0/?tab=cm#search/FlanaganJ%40metrofocus.org/FMfcgxwHMZHmLbPQTwPnDnGdctQJGwpl?compose=CllgCJZbjWHPwjWchwFclfZNRZZqLKTLCpCRzvfNhQWXXjkJLSngjBlxFwmHFmXLzvbXCZQFHvq&projector=1>

- March 2020** **TV Interview.** Fox News interview on what happens to the brain during a lockdown. <https://www.ktvu.com/video/666670>
- March 2020** **TV Interview.** Interviewed on NY1 about exercise, the brain and the shutdown.
- Feb 2020** **Public Speaking.** Speaker for the Story Collider Science Storytelling event at Union hall in Brooklyn. Listen to the Podcast here: <https://www.storycollider.org/stories/2017/7/27/magnetism-stories-about-attraction?rq=Wendy%20Suzuki>
- Feb 2020** ***Public Speaking.** Invited Speaker for Memory Matters, Hilton Head South Carolina.
- Feb 2020** **Public Speaking.** Featured speaker to Renaissance Weekend in Amelia Island, FL. See <https://www.renaissanceweekend.org/>
- January 2020** **Public Speaking.** Featured speaker at JCC for New Year's Day blowout event.
- Jan 2020** ***Public Speaking.** Keynote speaker for APA Solutions, a company that supports entrepreneurs in Buffalo NY.
- Nov 2019** ***International Public Speaking.** Keynote speaker for Spanish Pharmaceutical company CINFA to help celebrate their 50th's anniversary in Madrid, Spain.
- Nov 2019** **Public Speaking.** Panelist for Maria Shriver's Move for Minds event at Brentwood Equinox, California.
- Oct 2019** ***Public Speaking.** Keynote speaker for Sullivan 180 Inc. A company that supports health and wellness in Sullivan county New York (owners of Time Warner Cable).
- Sept 2019** ***Public Speaking.** Keynote address at the 1st Annual F45 Global Fitness Summit in Las Vegas, NV.
- Sept 2019** ***Public Speaking.** The Elliot & Mary Ann Stein Speaker Series speaker for the American Parkinson disease Association – Greater St. Louis Chapter.
- August 2019** **Public Speaking.** Guest speaker for Empire Global Ventures Health and Technology Panel at the Art Museum in South Hampton, Long Island.

- June 2019** **Public Speaking.** Featured Speaker for Access Circles Women’s Health Forum “Intersection of Technology and Health” in Watch Hill, RI.
- May 2019** ***Public Speaking.** Leadership training event speaker for the Chicago Federal Reserve Bank.
- April 2019** **Public Speaking.** Co-Keynote address at UCLA’s Wonder of Women event with Julianne Hough. Suzuki and Hough will co-present on the effects of dance/exercise on the body and the brain.
- Dec 2018** **Network TV.** PBS Pledge tour in 8 cities across the US.
- Nov 2018** ***International Public Speaking.** Keynote for Synergy Global Forum, at the Olympic Stadium in Moscow Russia (largest business organization in Russia).
- Oct 2018** ***Public Speaking.** Keynote speaker for Davines Health, Wellness and Skincare group in Milan, Italy.
- Sept 2018 **Network TV.** Filmed PBS Pledge Special “Healthy Brain Happy Life” being shown for the Nov 2018 to March 2019 pledge cycle.
- May 2018 ***Public Speaking.** Invited Keynote speaker at Team Women MN in Minneapolis MN.
- March 2018 ***Public Speaking.** Invited Speaker at 2017 Morgan Stanley Women’s Leadership Forum in Costa Mesa California
- March 2018 ***Public Speaking.** Suzuki was a speaker for Chicago Federal Reserve Bank Leadership forum.
- February 2018 ***Public Speaking.** Suzuki was a speaker for Chicago Federal Reserve Bank Leadership meeting for national managers.
- November 2017 **Public Speaking.** Suzuki will present at the *TEDWomen* Conference in New Orleans. –Published on-line in Feb of 2018, currently with 2,494,243 views.
- October 2017 **Public Speaking.** Suzuki will present to managers at HCSB Federal Reserve Bank of Chicago.
- October 2017 **International Public Speaking.** Suzuki will be a plenary speaker at the Annual BeramoScienza Festival, in Bergamo Italy, a renowned festival that brings ground-breaking science to the general public.

- October 2017 **International Public Speaking.** Suzuki will be the featured speaker at The Dandelion Project's Mental Health Conference called THRIVE, a TEDX-like event on the Guernsey Islands, UK.
- Present-2009 **Engaging the public in Exercise.** Suzuki is certified exercise instructor and since 2009 has taught a free exercise class open to the general public. She is known for bringing exercise into the academic classroom as well as to many of her public talks.
- September 2017 **Recognition.** Suzuki was recently named one of the 50 women over 50 changing the way we see the world by L'Oreal and Good Housekeeping Magazine.
<http://www.goodhousekeeping.com/life/inspirational-stories/g4269/women-in-science-and-engineering/>
- September 2017 **National TV Appearance.** On the Season Premiere of the Dr. Oz Show (9/18/17), Suzuki was a Panelist for an "Alzheimer's Summit".
- September 2017 **Public Speaking.** Main Stage presenter at the 2017 New York Hall of Science Maker Fair (Suzuki is also a Presidential Advisory Board member to this group).
- September 2017 **Public Speaking.** Meet the Scientist event at CAVEAT, a new venue for science talks for the general public on the Lower East Side in New York City.
- July 2017 **Public Speaking.** Speaker for Neilson Corporation series on health in the workplace
- June 2017 **Public Speaking.** SciCafe speaker at the Museum of Natural History for an audience of 700 people who came out to hear Suzuki for this much-loved speaker series.
- June 2017 **Public Speaking.** Featured panel speaker for Maria Shriver's foundation, "Move for Minds" in New York City (Suzuki is current on Shriver's Scientific Advisory Board).
- June 2017 **Public Speaking.** Featured speaker at the Annual AARP manager's event in Cleveland Ohio
- April 2017 **Public Speaking.** Speaker for Aetna Corporation's "The Leading Minds Speaker Series" at Aetna headquarters in Hartford Connecticut
- April 2017 **Public Speaking.** Guest speaker for screening of the documentary "My Love Affair with the Brain, the Life and Science of Professor Marian

Diamond” (Suzuki is featured in this documentary about her mentor, Marian Diamond).

- March 2017 **Public Speaking.** Public Speaker for UC Irvine Conference on Physical Exercise and Brain Health
- March 2017 **Public Speaking.** Story teller for the Story Collider, a science story-telling organization.
- January 2017 **Documentary Films.** Suzuki was featured in the multiple-award winning documentary film, “My Love Affair with the Brain”, about her science mentor Professor Marian Diamond.
- Throughout 2017 **Interviews and Podcasts.** Suzuki have given interviews and participated in podcasts throughout the year including the Wall Street Journal, Shape, Health and The Innovation Show.
- November 2016 **Video Interview and article.** Suzuki was the subject of an episode of the popular Huffpost video series, “Talk Nerdy to me.”. An article was also written about this piece for Huffpost.
- October 2016 **Video Interview.** Suzuki was interviewed by Carl Zimmer for his popular show Science Happens.
- September 2016 **French Book Launch.** The French version of Suzuki’s book launched in Paris and Suzuki did 5 days of radio, TV and press interviews in Paris. The book launched #1 of the French charts.
- September 2016 **Public Speaking.** Suzuki was a speaker at CUSP, the TED of Chicago.
- July 2016 **Online Courses.** Suzuki teamed with Life Reimagined to create a free online course based on the science and main messages in Healthy Brain Happy Life.
- June 2016 **Public Speaking.** Suzuki presented on the Moth Main Stage at Stanford University.
- April 2016 **Public Speaking.** Suzuki talked about the exercise and the brain at the last Obama White House Easter Egg Roll, Washington, D.C.
- February 2016 **Public Speaking.** Suzuki presented at the popular New York City Story Telling venue, Out by Ten.
- Throughout 2016 **Podcasts and interviews.** Suzuki have given interviews and participated in podcasts throughout the year including the Wall Street Journal, Shape, Health and The Innovation Show.

- October 2015 **Video and Podcast Interview.** Suzuki was interviewed by the BIG THINK.
- September 2015 **Public Speaking.** Suzuki gave a TEDX talk at the renowned art school in Pasadena, ACCD.
- September 2015 **National TV Appearance.** Panelist for Dr. Oz segment on Alzheimer's Disease.
- August 2015 **Public Speaking.** Gave a talk for the Moth in Southampton.
- June 2015 **Public Speaking.** Gave a talk for the Moth associated with the World Science Festival.
- May 2015 **National TV Appearance.** CBS This Morning show, interviewed about Healthy Brain Happy Life.
- May 2015 **National TV Appearance.** Interviewed on the show "Health Talk with Dr. Manny" on Fox News about Healthy Brain Happy Life
- May 2015 **Publication of Healthy Brain Happy Life.** Suzuki did literally hundreds of radio, and press interview associated with the launch of the book as well as book tour that took her to Washington State, up and down California (her home state) and Arizona. The book has been sold in 8 countries: Italy, Germany, Denmark, Spain, Russia, France, Australia and China.
- April 2015 **Podcast development.** Suzuki, was hired by PRX, the largest marketplace for the distribution of public radio in US to create a science podcast she called "Totally Cerebral. Her producer was Peabody award winning producer Julie Burstein, who created the show Studio 360.
- Throughout 2015 **Radio and press interviews.** Suzuki gave over 100 radio and press interviews for radio shows across the country and internationally associated with the release of her book.
- December 2014 **Public Speaking.** Suzuki presented for TEDX NYU
- September 2014 **Public Speaking.** Suzuki presented for TEDX Bay Area
- October 2011 **Public Speaking.** Suzuki presented her first TEDX talk in Orlando
- 1999 **Recognition.** Suzuki was featured in the photographic book "Women" by Annie Leibovitz with essay by Susan Sontag.

Academic Activities and Achievements

Funding

A. Current Funding

2017-2022	\$100,000 donation to the Suzuki Lab from NYU parent Mr. David McGraw
2017-2022	1R25OD023777-01 BrainWaves: an EEG-based neuroscience curriculum development and teacher training for underserved high schools. P.I. W.A. Suzuki
2017-Present	\$100,000 in unstructured funds from the Dean for Science

B. Past Funding

2016-2017	\$75,000 donation from RIDE, Austin Texas
2016	In-kind donation from New York Health and Racquet Club for gym memberships
2014-2016	Private funds from Swerve Fitness to conduct exercise studies at their exercise studio in NYC.
2015-2016	Private funds from Journey Meditation to conduct studies on the effects Of meditation on mood and cognitive function.
2008-2013	R01 MH084964-01 “The functional organization of the medial temporal lobe”
2010-2015	R01-NIMH “Neural basis of temporal order memory” P.I.: W.A. Suzuki. Co-PI: Y. Naya
2010-2015	R01- NIMH “Neurophysiological and fMRI studies of associative learning in the MTL and striatum” Duel PI grant: W.A. Suzuki and C.E. Stark

- 2010-2011 Supplemental Support for Centers of Excellence to fund collaborations between researchers at Washington Square and the Medical School.
P.I.: Wendy Suzuki
Co-P.I., John Rotrosen
- 2010-2011 ADVANCE grant from NYU's Dean of Science "The effects of acute aerobic exercise on cognition and neural signals in humans."
P.I.: Wendy Suzuki
- 2006-2009 James S. McDonnell Foundation award "A neuroethological approach to memory and cognition in monkeys"
PI: W.A. Suzuki, Co-PI: Robert Hampton
- 2004-2009 R01 MH58847 "Spatial Functions of the Medial Temporal Lobe"
PI: W.A. Suzuki.
- 2002-2007 Bioengineering Research Partnership Grant, NIDA DA15644, "Dynamic signal processing analyses of neural plasticity" PI: E.N. Brown. Co-PIs: W.A. Suzuki and M.A. Wilson.
- 2005-2006 University Research Challenge Fund "Tasks of naturalistic memory for monkeys"
P.I.: W.A. Suzuki
- 2000-2004 Core Grant, NEI, EY13079 "Core Grant for Vision Research" PI: J.A. Movshon.
- 2000-2001 John Merck Scholars Award "The neural basis of long-term memory" PI: W.A. Suzuki
- 1999-2002 Office of Naval Research Grant, "Emotional influences on information processing and biological and computational mechanisms of visual recognition" PI: P. Lennie.
- 1999-2002 McDonnell-Pew Scholars Award "The neural basis of long-term declarative memory" PI: W.A. Suzuki.
- 1998-2001 McKnight Foundation Scholar "Spatial functions of the macaque parahippocampal cortex" PI: W.A. Suzuki.

Academic Honors and Awards

- 2010 Golden Dozen Teaching Award, New York University College of Arts and Sciences

2004	Troland Research Award, National Academy of Sciences
1997	Fellows Award for Research Excellence, National Institutes of Health
1994	Donald B. Lindsley Prize in Behavioral Neuroscience, Society for Neuroscience
1990-1993	NIMH Pre-doctoral fellowship MH10033
1987	Departmental Citation, Department of Physiology/Anatomy University of California, Berkeley

Academic Publications

I. Peer Reviewed Journal Articles

Sakon JJ, Suzuki WA. A neural signature of pattern separation in the monkey hippocampus. *Proc Natl Acad Sci U S A*. 2019 May 7;116(19):9634-9643.

Basso JC, McHale A, Ende V, Oberlin DJ, Suzuki WA. Brief, daily meditation enhances attention, memory, mood, and emotional regulation in non-experienced meditators. *Behav Brain Res*. 2019 Jan 1;356:208-220.

Suzuki WA, Feliu-Mojer MI, Hasson U, Yehuda R, Zarate JM. (2018) Dialogues: The Science and Power of Storytelling. *J. Neurosci*. 38: 9468-9470.

Naya Y, Chen H, Yang C, Suzuki WA (2017) Contributions of primate prefrontal cortex and medial temporal lobe to temporal-order memory. *PNAS* 114:13555-13560

Basso JC, Shang A, Elman, M, Karmouta, R, Suzuki WA (2015) Acute exercise improves prefrontal cortex but not hippocampal function in healthy adults. *J Int Neuropsych Soc* 21:791-801.

Czanner G, Sarma SV, Ba D, Eden UT, Wu W, Eskandar E, Lim HH, Temereanca S, Suzuki WA, Brown EN (2015) Measuring the signal-to-noise ratio of a neuron. *Proc Natl Acad Sci* 112:7141-6.

Sakon JJ, Naya Y, Wirth S, Suzuki WA (2014) Context-dependent incremental timing cells in the primate hippocampus. *PNAS*. 111:18351-6..

Brickman AM, Khan UA, Provenzano FA, Yeung LK, Suzuki W, Schroeter H, Wall M, Sloan RP, Small SA (2014) Enhancing dentate gyrus function with dietary flavanols improves cognition in older adults. *Nat Neurosci* [Epub ahead of print].

- Lee YSC, Ashman T, Shang A, Suzuki WA (2014) Brief Report: Effects of exercise and self affirmation intervention after traumatic brain injury. *Neurorehab.* 35:57-65.
- Hargreaves EL, Mattfeld AT, Stark CE, Suzuki WA (2012) Conserved fMRI and LFP signals during new associative learning in the human and macaque monkey medial temporal lobe. *Neuron* 74: 743-752.
- Naya Y, Suzuki WA (2011) Integrating what and when across the primate medial temporal lobe. *Science* 333(6043): 773-776.
- Paxton R, Basile BM, Adachi I, Suzuki WA, Wilson ME, Hampton RR (2010) Rhesus monkeys (*Macaca mulatta*) rapidly learn to select dominant individuals in videos of artificial social interactions between unfamiliar conspecifics. *J Comp Psychol* 124: 395-401.
- Suzuki, WA (2010) Untangling memory from perception in the medial temporal lobe. *Trends in Cognitive Sciences.* 14:195-200.
- Smith AC, Scalon JD, Wirth S, Yanike M, Suzuki WA Brown EN (2010) State space algorithms for estimating spike rate functions. *Computational Intelligence and Neuroscience.* 2010, 1-14.
- Prerau MJ, Smith AC, Eden UT, Kubota Y, Yanike M, Suzuki W, Graybiel AM, Brown EN (2009) Characterizing learning by simultaneous analysis of continuous and binary measures of performance. *J. Neurophysiol.* 102, 3060-3072.
- Wirth S, Avsar E, Chiu CC, Sharma V, Smith AC, Brown EN, Suzuki WA (2009) Trial outcome and associative learning signals in the monkey hippocampus. *Neuron.* 61, 930-940.
- Suzuki, WA (2009) Perception and the medial temporal lobe: Evaluating the current evidence. *Neuron.* 61, 657-666.
- Suzuki WA and Baxter MG (2009) Memory, perception and the medial temporal lobe: A synthesis of opinions. *Neuron.* 61, 678-679.
- Yanike M, Wirth S, Smith AC, Brown EN, Suzuki WA (2009) Comparison of associative learning-related signals in the macaque perirhinal cortex and hippocampus. *Cerebral Cortex* 19, 1064-1078.
- Czanner G, Eden UT, Wirth S, Yanike M, Suzuki WA, and Brown EN (2008) Analysis of between-and within-trial neural spiking dynamics. *J. Neurophys.* 99, 2672-2693.
- Prerau MJ, Smith AC Eden UT, Yanike M, Suzuki WA and Brown EN (2008) A mixed filter algorithm for cognitive state estimation from simultaneously recorded continuous and binary measures of performance. *Biol. Cybernetics* 99:1-14.

- Smith AC, Wirth S, Suzuki WA and Brown EN (2007) Bayesian Analysis of interleaved learning and response bias in behavioral experiments. *J. Neurophys.* 97, 2516-2524.
- Law JR, Flanery MA, Wirth S, Yanike M, Smith AC, Frank LM, Suzuki WA, Brown EN and Stark CEL (2005) fMRI activity during the gradual acquisition and expression of paired associate memory. *J Neurosci* 25, 5720-5729.
- Buckmaster, C.A., Eichenbaum, H., Amaral, D.G., Suzuki, W.A., and Rapp, P.R. (2004) Entorhinal cortex lesions disrupt the relational organization of memory in monkeys. *J. Neurosci.* 24, 9811-9825.
- Yanike, M., Wirth, S., and Suzuki, W.A. (2004) Representation of well-learned information in the monkey hippocampus. *Neuron* 42, 477-487.
- Lavenex, P., Suzuki, W.A., and Amaral, D.G. (2004) Intrinsic perirhinal and parahippocampal cortices of the macaque monkey: Intrinsic projections and interconnections. *J. Comp. Neurol.* 472, 371-394.
- Smith, A.C., Frank, L.M., Wirth, S., Yanike, M., Hu, D., Kubota, Y., Graybiel, A.M., Suzuki, W.A., and Brown, E.N. (2004) Dynamic analysis of learning in behavioral experiments. *J. Neurosci.* 24, 447-461.
- Wirth, S., Yanike, M., Frank, L.M., Smith, A.C., Brown, E.N., and Suzuki, W.A. (2003). Single neurons in the monkey hippocampus and learning of new associations. *Science* 300, 1578-1581.
- Suzuki, W.A. and Amaral, D.G. (2003). Where are the perirhinal and parahippocampal cortices? A Historical overview of the nomenclature and boundaries applied to the primate medial temporal lobe. *Neuroscience* 120, 893-906.
- Suzuki, W.A. and Amaral, D.G. (2003). The perirhinal and parahippocampal cortices of the macaque monkey: Cytoarchitectonic and chemoarchitectonic organization. *J. Comp. Neurol.* 463, 67-91.
- Suzuki, W.A. and Porteros, A. (2002). Distribution of calbindin D-28k in the entorhinal, perirhinal and parahippocampal cortices of the macaque monkey. *J. Comp. Neurol.* 451, 392-412.
- Lavenex, P., Suzuki, W.A., and Amaral, D.G. (2002). Perirhinal and parahippocampal cortices of the macaque monkey: projections to the neocortex. *J. Comp. Neurol.* 447, 394-420.
- Suzuki, W.A., Miller, E.K., and Desimone, R. (1997). Object and place memory in the macaque entorhinal cortex. *J. Neurophys.* 78, 1062-1081.
- Stefanacci, L., Suzuki, W.A., and Amaral, D.G. (1996). Organization of connections between the amygdaloid complex and the perirhinal and parahippocampal cortices in macaque monkeys. *J. Comp. Neurol.* 375, 552-582.

- Suzuki, W.A. and Amaral, D.G. (1996). The construction of straight line unfolded two-dimensional density maps of neuroanatomical projections in the monkey cerebral cortex. *Neurosci. Protoc.* *96*, 1-19.
- Suzuki, W.A. and Amaral, D.G. (1994). Perirhinal and parahippocampal cortices of the macaque monkey: Cortical afferents. *J. Comp. Neurol.* *350*, 497-533.
- Suzuki, W.A. and Amaral, D.G. (1994). Topographic organization of the reciprocal connections between monkey entorhinal cortex and the perirhinal and parahippocampal cortices. *J. Neurosci.* *14*, 1856-1877.
- Suzuki, W.A., Zola-Morgan, S., Squire, L.R., and Amaral, D.G. (1993). Lesions of the perirhinal and parahippocampal cortices in the monkey produce long-lasting memory impairment in the visual and tactual modalities. *J. Neurosci.* *13*, 2430-2451.
- Suzuki, W.A., Amaral, D.G. (1990). Cortical inputs to the CA1 field of the monkey hippocampus originate from the perirhinal and parahippocampal cortex, but not from TE. *Neurosci. Lett.* *115*:43-48.
- Zola-Morgan, S., Squire, L.R., Amaral, D.G., and Suzuki, W.A. (1989). Lesions of perirhinal and parahippocampal cortex that spare the amygdala and hippocampal formation produce severe memory impairment. *J. Neurosci.* *9*, 4355-4370.

II. Invited Reviews

- Basso JC, Suzuki WA (2017) The effects of acute exercise on mood, cognition, neurophysiology and neurochemical pathways: A review. *Br Plasticity*. In Press.
- Suzuki WA (2016) How Body Affects Brain. *Cell Metab* *24*:192-3.
- Suzuki WA and Naya Y (2014) The perirhinal cortex. *Ann Rev Neurosci.* *37*:-39-53.
- Suzuki WA (2007) Integrating associative learning signals across the brain. *Hippocampus.* *17*:842-50.
- Byrne JH and Suzuki WA (2006) Neurobiology of behavior. Editorial overview. *Curr. Opin Neurobio.* *16*:6680:671.
- Suzuki, W.A. (2006). Encoding new episodes and making them stick. *Neuron* *50*, 19-21.
- Suzuki, W.A. and Brown, E.N. (2005). Behavioral and neurophysiological analysis of dynamic learning processes. *Behavioral and Cognitive Neurosci. Rev.* *4*. 67-95.
- Suzuki, W.A. and Amaral, D.G. (2004). Functional neuroanatomy of the medial temporal lobe memory system. *Cortex* *40*, 220-222.

- Suzuki, W.A. (2003). Declarative versus episodic: Two theories put to the test. *Neuron* 37, 5-7.
- Suzuki, W.A. and Clayton, N.S. (2000). The hippocampus and memory: a comparative and ethological perspective. *Cur. Opin. Neurobio.* 10, 768-773.
- Suzuki, W.A. (1999). The long and the short of it: Memory signals in the medial temporal lobe. *Neuron* 24, 295-298.
- Suzuki, W.A. (1996). The anatomy, physiology and functions of the perirhinal cortex. *Cur. Opin. Neurobio.* 6, 179-186.
- Suzuki, W.A. (1996). Neuroanatomy of the monkey entorhinal, perirhinal and parahippocampal cortices: Organization of cortical inputs and interconnections with amygdala and striatum. *Seminars in Neurosci.* 8, 3-12.
- Suzuki, W.A. (1994). What can neuroanatomy tell us about the functional components of the hippocampal memory system? Commentary on "Two distinctions of hippocampal-dependent memory processing" by Eichenbaum H., Otto, T. and Cohen, N.J. *Behav. Br. Research* 17, 449-517.

III. Book Chapters

- Suzuki WA (2009) Comparative Analysis of the cortical afferents, intrinsic projections and interconnections of the parahippocampal region in monkeys and rats. In: *The Cognitive Neurosciences*. Ed. Gazzaniga MS. The MIT Press. 659-674.
- Suzuki WA (2008) Declarative memory systems: Anatomy. In: *Encyclopedia of Neuroscience* Volume 3. Ed. Squire LR. Oxford: Academic Press. Pp 347-356.
- Suzuki WA (2008) Learning, memory and the monkey hippocampus. In: *Hippocampal Place Fields: Relevance of Learning and Memory*. Ed Mizumori S. Oxford University Press. pp 218-233.
- Suzuki WA (2007) Making new memories: The role of the hippocampus in new associative learning. In: *Imaging and the aging brain*. Eds. deLeon MJ, Snider DA, Federoff H. *Ann. NY Acad. Sci.* 1097:1-11.
- Suzuki WA (2007) Working memory: Signals in the brain. In: *Science of memory: Concepts*. Eds. Roediger HL, Dudai Y, Fitzpatrick SM. Oxford University Press. pp147-150.
- Suzuki WA (2007) Making and retaining new memories: The role of the hippocampus in associative learning and memory. In: *Memories: Molecules and Circuits*. Eds. Bontempi, B Silva AJ and Cristen Y. Springer-Verlag Berlin. pp 113-124.
- Suzuki, W.A. (2002). Cortical memory systems in the nonhuman primate. In *Neuropsychology of Memory* 3rd Edition. L.R. Squire and D.L. Schacter, eds. (New York, NY: Guilford Press), pp. 289-300.

- Suzuki, W.A. and Eichenbaum, H. (2000). The Neurophysiology of Memory. *Annals of the New York Acad. Sci.* 911, 175-191.
- Mishkin, M., Suzuki, W.A., Gadian, D.G., and Vargha-Khadem, F. (1997). Hierarchical organization of cognitive memory. *Philos. Trans. R. Soc. Lond.[Biol].* 352, 1461-1467.
- Burwell, R.D., Suzuki, W.A., Insausti, R., and Amaral, D.G. (1996). Some observations on the perirhinal and parahippocampal cortices in the rat, monkey, and human brains. In *Perception, Memory, and Emotion: Frontier in Neuroscience*. T. Ono, ed. (New York: Elsevier).
- Squire, L.R., Zola-Morgan, S., Cave, C.B., Haist, F., Musen, G., and Suzuki, W.A. (1993). Memory: organization of brain systems and cognition. In *Attention and performance XIV*. D.E. Meyer and A.F. Korner, eds. (Cambridge, MA: MIT Press).
- Squire, L.R., Zola-Morgan, S., Cave, C.B., Haist, F., Musen, G., and Suzuki, W.A. (1990). Memory: organization of brain systems and cognition. *Cold Spring Harbor Symp. Quant. Biol.* 55, 1007-1023.
- Amaral, D.G., Insausti, R., Zola-Morgan, S., Squire, L.R., and Suzuki, W.A. (1990). The perirhinal and parahippocampal cortices in memory function. In *Proceedings of Vision, Memory and the Temporal Lobe*. Pp. 149-161.

Recent and Upcoming Academic Lectures

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|----------------|---|
| November 2020 | Keynote speaker for a newly formed Neurosports Society Conference, Miami, FL. |
| March 2020 | Keynote address at the American College of Sports Medicine's (ACSM) International Health Fitness Summit in Atlanta GA. (Postponed) |
| October 2019 | Guest speaker for UCLA's Friends of Semel Institute Speaker Series. |
| October 2019 | Invited speaker at the National Academy of Science, Science Documentary Film makers conference in Woods Hole, MA. |
| September 2019 | Invited Speaker for NYU Biology Departmental Retreat |
| August 2019 | Invited session organizer for the Cognitive Neuroscience Society Meeting in San Francisco, CA. Session: The Cognitive effects of Exercise on the Brain. |
| August 2019 | Keynote speaker for UC Berkeley's Cellular and Molecular Neurobiology Departmental retreat and welcome for new students. |

February 2018	Invited Speaker for Yale's Biology Science Training Program weekly seminar series.
October 2017	Invited Speaker for Washington University's Department of Neuroscience Departmental Seminar Series.
August 2017	Plenary Speaker at the American Psychological Association Annual Meeting. Washington DC.
May 2017	Invited Speaker for Duke Summer Seminars in Neuroscience and Philosophy (SSNAP).
March 2017	Invited Speaker for the UC Irvine Exercise Symposium
February 2017	Invited Speaker for the University of Pennsylvania Women in Science Lecture Series
December 2016	Director's Lecture at NIH (one of only 3 speakers for 2016 chosen by NIH Director Dr. Francis Collins for an Institutes-wide presentation).
October 2016	Invited Speaker, Lebanon Valley College, Science Symposium
October 2016	Invited Speaker at Peking University, China
October 2016	Invited Speaker for the UCLA Neuroscience Colloquium
June 2016	Speaker and Organizer for Annual Meeting for Learning and Memory at NYU Florence.
May 2016	Invited Speaker, Canadian Association for Neuroscience Meeting, Outreach session
April 2016	Invited Speaker, Metro State University in Denver, Student Research Day
March 2016	Invited speaker, National Institute on Aging, Baltimore, MD

Teaching

Current Undergraduate courses:

Brain and Behavior Suzuki serves as one of the instructors for this NYU "core curriculum" science course for non-science majors. In this course Suzuki covers everything from the basic building blocks of the brain (neurons and glia) to how we study higher cognitive functions. She is known for making the

science relevant by bringing in special guests including rappers (to illustrate range of use of language), magicians (to illustrate how they manipulate attention) as well as a subject with confirmed HSAM (highly superior autobiographical memory) studied by the Center for Learning and Memory at UC Irvine that she met at a story telling event to illustrate the range of memory capacity in humans.

Can Exercise Change your Brain? In this signature course, Suzuki, brings exercise into the classroom, starting with an hour workout before every class that covers the history, animal and clinical studies of the effects of exercise on brain function. She tests students in the class at the beginning and at the end of the semester on a memory test (together with a control course that does not exercise) and provides the data to students at the end of the course (names removed) to analyze as part of their final project. She won a Golden Dozen teaching award from NYU, one of their highest teaching honors, the year she first offered this class.

Exercise, Meditation and the Brain In this course, Suzuki covers the effects of both exercise and meditation on brain function while focusing on science writing skills. She has taught this class in collaboration with the writing center on campus to provide students with detailed feedback on both the science and the writing of the experimental proposals that they produced throughout the semester.

Art Meets Brain In this course, Suzuki draws on her ties to the artistic community in New York City to explore the neurobiology of various creative art forms using both animal model systems as well as insights from human studies. This class does not examine what happens to the brain when people view art. Instead, in the fall 2017 version of the course we tackle 2 art forms: Acting and musical production. On the neurobiological side for acting/emotions we explore pair bond formation in the vole system, and the neurobiology of fear. For the song production sides, we study the birdsong system. From the neuropsychological/human perspective, we explore the neural correlates of deep romantic love in people, what emotions mean from the perspective of an actor and music production from the point of view of a Broadway vocal coach and conductor. The goal is to engage students in a new way in thinking about, arguably, the highest level of cognition that humans process—the ability to create art.

Current Graduate Courses

Neuroanatomy Suzuki co-teaches a neuroanatomy section of the core graduate course that focuses on primate neuroanatomy.

Current positions of leadership are highlighted in red below

General Service

- 2017 - 2014 Chair Memory and Cognitive disorders Award Committee for the McKnight Endowment Fund for Neuroscience
- 2017 – 2016 Member of Scientific Advisory Board for the Ernst Strugmann Institute for Neuroscience in Cooperation with Max Planck Society
- 2017- 2015 Member of the External Advisory Committee for University of Delaware COBRE grant
- 2017-2007 Member of the Board of Directors of the Neurobiology of Learning & Memory Meeting at Park City Utah, in its 34th year.
- 2016 - 2014 Member of the Professional Development Committee for the Society for Neuroscience.
- 2015- 2011 Member of the HFSP review board (2015 chair of committee)
- 2008 - 2003 Permanent member of LAM study section, NIMH, Center for Scientific Review
- 2003-1999 Ad Hoc member of IFCN-7 study section, NIMH Center for Scientific Review
- 2017 Reviewer for: J. Neuroscience, J. Neurophysiology, Neuron, Proc. National Academy of Sciences, Science, J. Comparative Neurology, Cerebral Cortex, Behavioral Neuroscience, Learning and Memory, Neuropsychologia, European J. Neuroscience

University Service

- 2017 Member of the Search Committee for the new Dean of the College of Arts and Sciences, NYU
- 2017-2015 Member of the Promotion and Tenure Committee, College of Arts and Sciences NYU (2017-2018, Chair of Committee)
- 2017-2014 Director of College Honors, NYU College of Arts and Sciences, NYU
- 2015-2009 Faculty Affiliate for Residential Life Program.

2014-2011	Chair of the Foundations of Scientific Inquiry MAP Committee
2012-2010	Member of the Graduate Thesis and Travel Awards Committee
2015-2009	Co-Director, Empowering Women in Science Leadership training Organization at NYU.
2014-2009	Faculty Advisor for Empowering Women in Science Explorations floor at Palladium dorm
2015-2009	Director and teacher for Weekly Free Community Exercise Class in Palladium Dorm at NYU.
January 2008	Speaker for NYU Alumni event in Florida
November 2008	Speaker for University Parent/Prospective Student Day
May 2008	Presenter at NYU Alumni Day
2010-2007	Member of University Nominations Committee
2008	Member of University Committee to re-examine MAP course organization
2005-2000	Member of the Academic Standards Committee
April, 2003	Moderator for “Learning and Memory” a Faculty Panel for Alumni Day
March 2002	Speaker, Morning on the Square, Sponsored by the Faculty of Arts and Sciences
October 2001	Speaker, FAS Undergraduate Honors Program
October 2000	Speaker, Dean’s Day 2000, Sponsored by the Faculty of Arts and Sciences
June 2000	Faculty Panelist for “Mapping the New Millenium” Sponsored by The Faculty Resource Network
April 2000	Faculty Panelist for “A Morning on the Millenium” Sponsored by the Faculty of Arts and Sciences
March 2000	Lecturer in “Recent Advances in Science” Sponsored by the NYU School of Education Department of Teaching and Learning Program in Science Education in Collaboration with the NYU Faculty of Arts and Sciences

May 1999 Moderator For Dean's Day Symposium, Sponsored by the Faculty of Arts And Sciences

December 1998 Faculty Organizer for "Mind & Brain: The Inner Frontier" Co-sponsored by Johns Hopkins University Institute for the Academic Advancement of Youth, New York University and the Center for Neural Science

Departmental Service

2020, 2017-2013 Director of Undergraduate Studies, Center for Neural Science, NYU. In this role I have focused on enhancing the research experience for our undergraduates by creating the following 7 new programs: 1) Research match program (providing a list of open neuroscience research positions available each term) 2) Meet the faculty event (meetings between small groups of students and faculty to talk about their primary research interests) 3) Meet the Director of Undergraduate Studies (a meeting I run for all current and want-to-be neuroscience majors each term) 4) How to get into graduate school panel (including recent graduate students and the Chair of our graduate admission committee) 6) Peer mentoring program (the most popular program of the bunch) 7) Faculty Research Lectures (students vote for one faculty each semester to give a high level lecture on their work). This these programs we have seen an increase in student research and in honors research done in the department.

2017-2013 Member of the Education Committee

2012-2011 Member of the Graduate Admissions Committee

March, 2010 Organizing Committee for 10 Biennial CNS Symposium entitled "The Mysteries and Marvels of Memory." Silver Center, New York University

2011-2006 Departmental Representative and Vice Chair on the University Animal Welfare Committee.

2003 Member of organizing committee for 7th CNS Symposium entitled "Imaging the Brain: Neurons, Networks and Behavior"

2000-1998 Member of CNS Teaching Committee

2002-1999 Co-Director of the CNS Colloquium series

Current & Past Post-Doctoral Fellows

7/19 – 9/16	Dr. DJ Oberlin Project 1: Effects of acute and long-term exercise on cognitive function.
12/12-12/17	Dr. Julia Basso Project 1: fMRI study of the effects of acute exercise On cognitive function.
1/11-1/14	Dr. John Sakon Project 1: Pattern separation and pattern completion in the monkey hippocampus
9/11 – 1/14	Dr. Shihpi Ku Project 1: MTL-striatal interactions in the monkey
9/05-2013	Dr. Yuji Naya Project 1: Characterize the pattern of firing of entorhinal neurons as animals perform a temporal order memory task.
1/11-12/12	Dr. Laetitia Chauviere Project 1: Characterize hippocampal activity during a long-term temporal order memory task
7/03 – 2009	Dr. Eric Hargreaves Project 1: Characterization of putative excitatory and putative inhibitory cells in the monkey hippocampus Other projects: To be determined
10/03 – 3/06	Dr. Emin Avsar Project 1: Characterize the memory related activity of neurons during the inter-trial-interval of an object-place association task.
2000 – 4/2005	Dr. Sylvia Wirth Project 1: Neural correlates of associative learning in the medial temporal lobe Project 2: Neural correlates of the acquisition of object-place associations in the medial temporal lobe
1/2000 - 11/2000	Dr. Angel F. Porteros Project 1: The organization of intrinsic connections of the macaque monkey parahippocampal cortex Project 2: The chemoarchitectonic organization of the macaque monkey entorhinal, perirhinal and parahippocampal cortices.

Past Graduate Students

2001-2007

Marianna Yanike

Project 1: Neural correlates of associative learning in the perirhinal cortex

Project 2: Neural correlates of long-term associative memories in the medial temporal lobe

Undergraduate Students

Suzuki estimates that she has mentored between 100 and 150 undergraduate students in her lab over the years including 10 who have completed an honors thesis in her lab.