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EDUCATION

- 2003-2008 **University of California, San Diego (UCSD)**
Ph.D., Biology (Specialization in Computational Neurobiology)
- 1998-2002 **Indian Institute of Technology (IIT), Bombay, India**
Bachelor of Technology (B. Tech), Engineering Physics

RESEARCH AND PROFESSIONAL EXPERIENCE

- 2014-Present **Brandeis University**, Waltham, MA
Assistant Professor, Dept. of Psychology, Neuroscience Program, Volen National Center for Complex Systems, and Sloan-Swartz Center for Theoretical Neuroscience
- 2009-2014 **University of California, San Francisco (UCSF)**, San Francisco, CA
Post-doctoral Fellow
Advisor: Dr. Loren Frank
- 2008-2009 **University of California, Berkeley**, Berkeley, CA
Post-doctoral Fellow
Advisor: Dr. Daniel Feldman
- 2003-2008 **University of California, San Diego (UCSD)**, La Jolla, CA
Computational Neurobiology Graduate Student
Advisor: Dr. Daniel Feldman
- 2002-2003 **National Center for Biological Sciences (NCBS)**, Bangalore, India
Junior Research Fellow
Advisor: Dr. Sumantra Chattarji

ACADEMIC HONORS AND AWARDS

- 2016 **Whitehall Foundation** Research Grant Award
- 2015 **NARSAD Young Investigator**, Brain & Behavior Foundation
- 2015 **Alfred P. Sloan Research Fellowship in Neuroscience**, Alfred P. Sloan Foundation
- 2013 **Peter and Patricia Gruber International Research Award**, Society for Neuroscience (SFN).
- 2013 **K99/R00 Career Transition Grant**, National Institute of Mental Health, NIH.
- 2013 **Wellcome Trust/DBT India Alliance** Intermediate Fellowship (Offered).
- 2012 **COSYNE Presenter's Travel Award**, Gatsby Foundation, Cosyne 2012.

- 2009 **Wheeler Center Grant**, UCSF.
- 2006-7 **La Jolla Interfaces In Science Pre-Doctoral Award** (Burroughs-Wellcome Fund), UCSD, TSRI, Salk Institute, SDSC.
- 2005 **Advanced Course in Computational Neuroscience**, IBRO/FENS, Arcachon, France.
- 2004 **Ray Thomas Edwards Graduate Student Travel Award**, UCSD, for attending the ‘Society for Neuroscience’ Meeting.
- 2003-5 **NSF-IGERT Training Grant**, Computational Neurobiology Program, UCSD.
- 2003 Offered **Hopfield fellowship**, California Institute of Technology, declined.
- 2003 Offered **Presidential Fellowship**, Duke University, declined.
- 2002-3 **Junior Research Fellow**, National Center for Biological Sciences, Bangalore, India.
- 2001 **Undergraduate Research Program Fellowship**, Cold Spring Harbor Laboratory, New York.
- 2000 **Visiting Students Research Fellowship**, Tata Institute of Fundamental Research, Bombay, India.
- 1995 **National Talent Search Scholarship**, India.

PUBLICATIONS (Peer-reviewed journal articles – reverse chronological order)

1. Papale AE, Zielinski MC, Frank, LM, **Jadhav SP**, Redish AD (2016), “Interplay between hippocampal sharp-wave ripple events and vicarious trial and error behaviors in decision making”, *Neuron*, 92:975-982.
2. Shin JD and **Jadhav SP** (2016), “Multiple modes of hippocampal-prefrontal interactions in memory-guided behavior”, *Current Opinion in Neurobiology*, 40:161-169.
3. **Jadhav SP***, Rothschild G*, Roumis DR, Frank LM (2016), “Coordinated excitation and inhibition of prefrontal ensembles during awake hippocampal sharp-wave ripple events”, *Neuron*, 90(1):113-127.
4. Felix SH, Shah KG, Tolosa VM, Sheth HJ, Tooker AC, Delima TL, **Jadhav SP**, Frank LM, Pannu SS (2013), “Insertion of Flexible Neural Probes Using Rigid Stiffeners Attached with Biodissolvable Adhesive”, *Journal of Visualized Experiments*, (79):e50609.
5. **Jadhav SP**, Kemere C, German PW, Frank LM (2012), “Awake hippocampal sharp-wave ripples support spatial memory”, *Science*, 336(6087): 1454-1458.
6. Morita T, Kang H, Wolfe J, **Jadhav SP**, Feldman DE (2011), “Psychometric curve and behavioral strategies for whisker-based texture discrimination in rats”, *PLoS One*, 6(6): e20437.
7. Carr MF*, **Jadhav SP***, Frank LM (2011), “Hippocampal replay in the awake state: a potential substrate for memory consolidation and retrieval”, *Nature Neuroscience*, 14(2):147-153. (*Equal author contribution, Peer-reviewed review article).
8. **Jadhav SP**, Feldman DE (2010), “Texture coding in the whisker system”, *Current Opinion in Neurobiology*, 20(3):313-318. (Peer-reviewed review article).

9. Li L*, Bender KJ*, Drew PJ, **Jadhav SP**, Sylwestrak E, Feldman DE (2009), “Endocannabinoid signaling is required for development and critical period plasticity of the whisker map in somatosensory cortex”, *Neuron*, 64(4):537-549.
10. **Jadhav SP**, Wolfe J, Feldman DE (2009), “Sparse temporal coding of elementary tactile features during active whisker sensation”, *Nature Neuroscience*, 12(6):792-800.
11. Gabernet L, **Jadhav SP**, Feldman DE, Carandini M, Scanziani M (2005), “Somatosensory integration controlled by dynamic thalamocortical feed-forward inhibition”, *Neuron*, 48(2):315-327.
12. Vyas A*, **Jadhav S***, Chattarji S (2006), “Prolonged chronic stress induces amygdaloid neuronal hypertrophy and enhanced anxiety-like behavior”, *Neuroscience*, 143(2):387-393. (*Equal author contribution).
13. Mitra R, **Jadhav S**, McEwen BS, Vyas A, Chattarji S (2005), “Stress duration modulates the spatiotemporal patterns of spine formation in the basolateral amygdala”, *PNAS*, 102(26):9371-9376.

BOOK CHAPTER AND INVITED ARTICLES

1. **Jadhav SP**, Frank LM (2014), “Memory replay in the hippocampus”, *In Space, Time and Memory in the Hippocampal Formation* (Ed: D. Derdikman, J. Knierim). Springer Publishers.
2. **Jadhav SP**, Frank LM (2009), “Reactivating Memories for Consolidation”, *Neuron*. 62: 745-746. (Preview Article).

ABSTRACTS

1. Tang W, Shin JD, Frank LM and **Jadhav SP** (2017), “Coordination in the hippocampal-prefrontal network during awake and sleep sharp wave ripple events”, *Computational and Systems Neuroscience (Cosyne) Meeting*.
2. Maharjan DM, Glantz EH, Dai Y, **Jadhav SP** (2016), “Contralateral inactivation of the dorsal hippocampus and prefrontal cortex using DREADDs impairs spatial learning”, *Society for Neuroscience*, 554.13.
3. Zielinski MC, Papale AE, Redish AD, Frank LM, **Jadhav SP** (2015), “Disrupting awake sharp-wave ripples increases vicarious trial and error behavior”, *Society for Neuroscience*. 86.07.
4. Papale AE, Zielinski MC, Frank LM, **Jadhav SP**, Redish AD (2015), “Sequential activity during theta and sharp wave ripples supports flexible decision making”, *Society for Neuroscience*. 86.04.
5. **Jadhav SP**, Rothschild G, Roumis DK, Grossrubatscher I, Frank LM (2014), “Coordinated awake reactivation of behaviorally related hippocampal-prefrontal ensembles”, *Society for Neuroscience*. 93.06.
6. **Jadhav SP**, Frank LM (2013), “Multiple modes of hippocampal-prefrontal interactions during learning”, *Society for Neuroscience*. 95.10.

7. **Jadhav SP**, Frank LM (2013), “Multiple modes of hippocampal-prefrontal interactions during learning”, *Cell Symposia: The Networked Brain*.
8. **Jadhav SP**, Kemere C, German PW, Frank LM (2012), “Awake hippocampal sharp-wave ripples support spatial working memory”, *COSYNE*. T17 (Invited talk).
9. **Jadhav SP**, Kemere C, German PW, Frank LM (2011), “Selective disruption of awake sharp-wave ripples impairs learning in a spatial working memory task”, *Society for Neuroscience*. 731.22.
10. **Jadhav SP**, Wolfe J, Feldman DE (2008), “Neural representation of elementary sensory features during active tactile sensation in the rat vibrissa system”. *Neural Circuits and Decision Making in Rodents, Janelia Conference*.
11. **Jadhav SP**, Wolfe J, Feldman DE (2008), “Sparse ensemble coding of slip-stick whisker motion events in somatosensory cortex during voluntary whisking on surfaces”, *Society for Neuroscience*. 775.23.
12. **Jadhav SP**, Gabernet L, Feldman DE, Carandini M, Scanziani M (2004), “Controlling thalamo-cortical integration with dynamic feed-forward inhibitory circuits”, *Society for Neuroscience*. 509.13.

SERVICE AS REVIEWER

- 2012- Ad hoc Manuscript Reviewer for *Science*
- 2013- Reviewer for *COSYNE* (Computational and Systems Neuroscience Meeting)
- 2015- Ad hoc Manuscript Reviewer for *eLife*
- 2015- Reviewer for *Biotechnology and Biological Sciences Research Council (BBSRC), UK*
- 2016- Ad hoc Manuscript Reviewer for *Cell Reports, Hippocampus, Current Opinion in Neurobiology, Journal of Neuroscience Methods*
- 2016- External Reviewer for *French National Research Agency (ANR)*
- 2017- Ad hoc Manuscript Reviewer for *Nature Communications, Scientific Reports*

TEACHING EXPERIENCE

- 2017 Memory and the Brain, Brandeis University
- 2016 Systems Neuroscience, Brandeis University
- 2015 Neuroscience Proseminar, Brandeis University
- 2013 Teaching Assistant, Small Group Discussion, “Brain, Mind and Behavior”, UCSF
- 2011 Teaching Assistant, Small Group Discussion, “Brain, Mind and Behavior”, UCSF
- 2005 Teaching Assistant, Advanced Systems Neurophysiology, UCSD
- 2005 Teaching Assistant, Systems Neurobiology, UCSD
- 2003 Teaching Assistant, Biophysics, NCBS, Bangalore, India

PROFESSIONAL MEMBERSHIPS

- 2003-present Society for Neuroscience (SFN)
2012-present American Association for the Advancement of Science (AAAS)

INVITED TALKS

- Jun 2017 Spring Hippocampal Research Conference, Taormina, Sicily
Feb 2017 Winter Conference on Brain Research (WCBR), Montana
Jan 2017 University of Chicago, Neuro Club.
Nov 2016 Interdisciplinary Neuroscience Program Colloquium, University of Rhode Island
May 2016 Psychological and Brain Sciences, Dartmouth University
Dec 2014 Center for Interdisciplinary Research in Complex Systems, Northeastern University
Mar 2014 Department of Anatomy & Neurobiology, UC Irvine
Feb 2014 Boston Children's Hospital, Harvard University
Feb 2014 Department of Psychiatry, UT SouthWestern
Feb 2014 Department of Anatomy & Neurobiology, Washington University
Feb 2014 Department of Psychology, University of Chicago
Jan 2014 Department of Biology, Boston University
Jan 2014 Psychology & Neuroscience, Brandeis University
Dec 2013 Department of Psychology, Rutgers University
Nov 2013 Department of Psychology, University of Michigan
Nov 2013 Department of Psychology, University of Washington, Seattle
Apr 2013 National Center for Biological Sciences (NCBS), India
Apr 2013 Center for Neuroscience, IISc, India
Apr 2013 IISER Pune, India
Mar 2013 Institute of Neuroscience, University of Oregon
Feb 2013 Janelia Farms Research Institute, HHMI
Jan 2013 Princeton Neuroscience Institute, Princeton University
Jan 2013 Department of Neurobiology, Northwestern University
Dec 2012 Brain and Cognitive Science, Rochester University
Nov 2012 National Institute of Health (NIH)
Feb 2012 Computational and Systems Neuroscience Meeting (COSYNE) 2012
Jul 2011 National Center for Biological Sciences (NCBS), India

Feb 2010 National Center for Biological Sciences (NCBS), India
Feb 2010 Tata Institute of Fundamental Research (TIFR), India
Feb 2010 Center for Neuroscience, IISc, India
Feb 2010 IISER Pune, India