



Mark Steven Goldman, Ph.D.

Research/Academic Interests	Dr. Goldman's research focuses on building mathematical and computer models of a variety of brain functions. This work includes understanding how neural circuits maintain short-term memories, control eye movements to enable the visual system to receive stable and non-blurry images, and accumulate evidence about the environment to make well-informed decisions.
Title	Professor
Specialty	Neuroscience
Department	Center for Neuroscience Ophthalmology & Vision Science
Division	Ophthalmology
Center/Program Affiliation	Center for Neuroscience
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Education	Ph.D., Physics, Harvard University, Cambridge MA 2000 Postdoc., Computational Neuroscience, Massachusetts Institute of Technology, Cambridge MA 2003 B.S., Stanford University, Stanford CA 1993
Professional Memberships	American Physical Society Faculty for Undergraduate Neuroscience Society for Neuroscience
Honors and Awards	Joel Keizer Chair in Theoretical and Computational Biology, UC Davis, 2018 Appointed as an HHMI Professor, 2014 Outstanding Graduate Mentor in Neuroscience, UC Davis, 2011 Sloan Foundation Fellowship, Alfred P. Sloan Foundation, 2007 Cottrell College Science Award, Research Corporation, 2005 Certificate of Distinction in Teaching, Harvard University, 1998 Phi Beta Kappa (Junior Year), Stanford University, 1992 David S. Levine Award for Outstanding Student in Physics, Stanford University, 1992
Select Recent Publications	Mackevicius EL, Bahle AH, Williams AH, Gu S, Denisenko NI, Goldman MS, Fee MS. Unsupervised discovery of temporal sequences in high-dimensional datasets, with applications to



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