

MICHELE M. SOLIS

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Seattle, Washington

EDUCATION

University of Washington

Post-doctoral training, neuroscience

Seattle, WA

1999-2007

University of California-San Francisco

Ph.D., Neuroscience

San Francisco, CA

1999

Washington University

B.A., Anthropology; minors in Biology and French

St. Louis, MO

1989

University College London

Junior year abroad in Anthropology

London, England

1987-1988

WRITING EXPERIENCE

- News writer for **Schizophrenia Research Forum** (October 2009 – present)
- Write news briefs for **Scientific American Mind** (November 2009 – present)
- News and profile writer for **Spectrum** (formerly **SFARI.org**), an autism research news Web site (May 2008 – November 2012)
- Columnist for **MSN Health and Fitness** (July 2008 – June 2009)
- Regular contributor to **Crosscut**, a Pacific Northwest news outlet (2008-2009)
- Other science stories have been published in **The Economist**, **Nature**, **Nautilus**, **Pharmaceutical Journal**, **HHMI Bulletin**, **The Scientist**, and **Pain Research Forum**

RESEARCH

My graduate and postdoctoral work combined amounts to 15 years of practical experience into how science is done. I am familiar with different levels of neuroscience: from the submicroscopic goings-on of genes, to the mid-level operations of neuronal circuits, to the more holistic realm of brain imaging and behavior. This integrative approach also serves me well when covering topics outside of neuroscience.

While a scientist, I received several awards, notably the Burroughs Wellcome Career Award in Biological Sciences (2004) and the Lindsley Prize in Behavioral Neuroscience (2000).

Ultimately, I published six original research articles, and seven invited reviews (listed on next page).

ORIGINAL RESEARCH

Solis MM, Perkel, DJ (2006) Noradrenergic modulation of activity in a vocal control nucleus in vitro. *J Neurophysiol* 95(4): 2265-2276.

Solis MM, Perkel, DJ (2005) Rhythmic activity in a forebrain vocal control nucleus in vitro. *J Neurosci* 25(11): 2811-2822.

Solis MM, Doupe AJ (2000) Compromised neural selectivity for song in birds with impaired sensorimotor learning. *Neuron* 25(1):109-121.

Solis MM, Doupe AJ (1999) Contributions of tutor and bird's own song experience to neural selectivity in the songbird anterior forebrain. *J Neurosci* 19(11): 4559-4584.

Solis MM, Doupe AJ (1997) Anterior forebrain neurons develop selectivity by an intermediate stage of song learning. *J Neurosci* 17(16): 6447-6462.

Whaling CS, **Solis MM**, Doupe AJ, Soha JA, Marler P (1997) Acoustic and neural bases for innate recognition of song. *Proc Natl Acad Sci USA* 94(23):12694-12698.

INVITED REVIEWS

Solis MM, Perkel DJ (January 2006) Neuroethology. In: *ENCYCLOPEDIA OF LIFE SCIENCES*. John Wiley & Sons, Ltd: Chichester <http://www.els.net/> [doi:10.1038/npg.els.0003380].

Doupe AJ, **Solis MM**, Kimpo R, Boettiger CA (2004) Cellular, circuit, and synaptic mechanisms in song learning. *Ann NY Acad Sci* 1016:495-523.

Doupe AJ, **Solis MM**, Boettiger CA, Hessler NA (2004) Birdsong: Hearing in the service of vocal learning. In: *The Cognitive Neurosciences III* (Gazzaniga M, Ed.) pp 245-258.

Solis MM, Brainard MS, Hessler NA, Doupe AJ (2000) Song selectivity and sensorimotor signals in vocal learning and production. *Proc Natl Acad Sci USA* 97(22): 11836-42.

Solis MM (2000) Adult neurogenesis in songbirds: a tale of two neurons. *Neuron* 25(2): 256-7.

Doupe AJ, **Solis MM** (1999) Song- and order-selective auditory responses emerge in neurons of the songbird anterior forebrain during vocal learning. In: *The Design of Animal Communication* (Hauser M and Konishi M, Eds.), pp 343-368. Boston: MIT Press.

Doupe AJ, **Solis MM** (1997) Song- and order-selective neurons develop in the songbird anterior forebrain during vocal learning. *J Neurobiol* 33(5): 694-709.