

Curriculum Vitae

Jason Robert Meyers

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Education:

Embryology Course - Marine Biological Laboratory, Woods Hole MA 1999
Course Directors: Scott Fraser and Marianne Bronner-Fraser
Graduate Student – University of Virginia, Charlottesville VA 1997-present
PhD Advisor: Jeffrey T. Corwin
Undergraduate – Williams College, Williamstown MA 1993-1997
Advisor: Steven J. Zottoli

Teaching Experience:

Lectured in Physiological Psychology for Dr. David Hill 2000
Laboratory Teaching Assistant for Medical Neuroscience 1997-present
Teaching Assistant Williams College 1994-1997

Awards and Honors:

Post-course Research Fellowship in Embryology 1999
Howard Hughes Medical Institute Predoctoral Fellow 1997-present
National Science Foundation Predoctoral Fellow
Turned down to accept HHMI Fellowship
Graduated Summa Cum Laude, and with Highest Honors in Biology 1997
from Williams College
Sigma Xi Member 1997-present
Elected to Phi Beta Kappa 1996
Essel Foundation Summer Research Fellow 1994, 1996
Williams College Bronfman Summer Research Fellow 1995

Research Experience:

In the lab of Dr. Jeff Corwin, University of Virginia, investigating 1997-present
mechanisms of hair cell development and regeneration.
Collaboration with Dr. David Corey, Mass. General Hospital, 2001
investigating dye permeation through non-selective cation
channels.
As an independent investigator in post-course research at the 1999
Marine Biological Laboratory, investigating notochord development
in ascidian embryos.
In the lab of Dr. Barry Condron, University of Virginia, investigating 1998

midline control of axonal outgrowth during development and regeneration of serotonergic neurons.

In the lab of Dr. Ernst Seyfarth, JW Goethe University, Frankfurt Germany, investigating the role of slit mechanoreceptors on locomotion in spiders. 1997

In the lab of Dr. Steven Zottoli, Williams College, investigating the Mauthner-initiated startle response, and investigating regeneration of retinal ganglion cells to foreign targets. 1994-1997

Conferences Attended:

Molecular Biology of Hearing and Deafness	1998, 2001
Society for Neuroscience Annual Meeting	1995, 1996, 1997, 2001
Association for Research in Otolaryngology	1998, 1999, 2000, 2001, 2002
East Coast Nerve Net	1996

Abstracts Presented:

Meyers JR, MacDonald RB, Duggan A, Lenzi D, Corwin JT and Corey DP, Permeation of FM 1-43 Dyes Through Multiple Sensory Channels, Association for Research in Otolaryngology, 2001.

Meyers JR, MacDonald RB, Duggan A, Lenzi D, Corwin JT and Corey DP, Permeation of FM 1-43 through non-selective cation channels: VR-1, P2X2 and the hair cell transduction channel, Society for Neuroscience, 2001.

Meyers JR, MacDonald RB, Duggan A, Lenzi D, Corwin JT and Corey DP, A fluorescent view of mechanoreceptor channel function, Molecular Biology of Hearing and Deafness, 2001.

Meyers JR, Lenzi D and Corwin JT, Internal Labeling of Hair Cells By FM 1-43 Through An Apical Loading Pathway, Association for Research in Otolaryngology, 2001.

Meyers JR and Corwin JT, Fluorescent labeling of living hair cells allows visualization of non-proliferative repair and cell replacement in the bullfrog sacculus. Association for Research in Otolaryngology, 2000.

Zottoli SJ, Faber, DS, Meyers, JR, Lennartz, RC, Gebre BT, A Laboratory Exercise on the Axonal and Synaptic Properties of An Identifiable Vertebrate Neuron in the Central Nervous System That Does Not Necessitate The Sacrifice of the Animal. Society for Neuroscience, 1998. Presented by SJ Zottoli

Gale JE, Meyers, JR, Corwin JT, Replacement of the Transduction Apparatus in Damaged Bullfrog Sacculles, Molecular Biology of Hearing and Deafness, 1998.

Meyers JR, Zottoli SJ, Regeneration of Retinal Ganglion Cells to a Foreign Muscle Target, Asilomar Conference on Regeneration, 1997. Presented by SJ Zottoli.

Meyers JR, Copanas EH, Zottoli SJ, Fast Startle Responses of the Adult African Lungfish, *Protopterus annectens*, East Coast Nerve Net, 1996.

Bibliography:

Meyers JR, MacDonald RB, Duggan A., Lenzi D., Corwin JT, and Corey DP, Lighting up the senses: Permeation of FM 1-43 through non-selective cation channels in primary sensory neurons, In Preparation..

Gale JE, Meyers JR and Corwin JT, (2002) Survival of bundle-less hair cells and subsequent bundle replacement in the Bullfrog's saccule, *J. Neurobiol*, 50: 81-92.

Gale JE, Meyers JR and Corwin JT, (2000) Solitary hair cells are distributed throughout the extramacular epithelium in the bullfrog's saccule, *JARO*, 1: 172-182.

Meyers JR, Copanas EH, Zottoli SJ, (1998) Comparison of Fast Startle Responses between two Elongate, Bony Fish with an Anguilliform Type of Locomotion and the Implications for the Underlying Neuronal Basis of Escape Behavior, *Brain Behavior and Evolution*, 52: 7-22.