



## NUIN Graduates

Fall 2012 - Summer 2013

<u>Student Name</u>	<u>Title of Dissertation</u>	<u>Advisor</u>
<b>Angela Anderegg</b>	An Lmx1b-miR135a2 Regulatory Circuit Modulates Wnt1/Wnt Signaling and Determines the Size of the Midbrain Dopaminergic Progenitor Pool	R. Awatramani
<b>Alaina Baker-Nigh</b>	Mechanisms of Neurodegeneration in Basal Forebrain Cholinergic Neurons	C. Geula
<b>Oneil Bhalala</b>	The Role of microRNA-21 in the Astocytic Response to Central Nervous System Injury and Differentiation	J. Kessler
<b>JorgeCantu</b>	Notum 2 Is A Regulator Of Primary Motor Axon Guidance At Discrete Intermediate Targets	J. Topcziewski
<b>Dilyan Dryanovski</b>	Role of Calcium Entry and Mitochondrial Stress in the Vulnerability of Midbrain Dopaminergic Neurons	J. Surmeier
<b>Kevin Gobeske</b>	Mechanisms Regulating Hippocampal Neurogenesis and Behavior	J. Kessler
<b>Austin Graves</b>	Morphological and Electrophysiological Investigation of Pyramidal Neurons of the Hippocampus: Countermodulation of Two Discrete Cell Types	N. Spruston
<b>Yomayra Guzman</b>	Role of Septal Oxytocin Receptors in the Modulation of Fear by Social Interactions	J. Radulovic
<b>Tristan Hedrick</b>	Cholinergic Modulation of Neocortical Pyramidal Neurons.	J. Waters
<b>Brian Hitt</b>	Seizure Susceptibility and Defective Outgrowth of Mossy Fiber Axons in BACE1-Deficient Mice	R. Vassar
<b>Jing-Nong Liang</b>	Control of Foot-Forces, Muscle Activity Coordination and H-reflex Gain Modulation During Postural-Loaded and Non-Postural Loaded Locomotion in Individuals Post-Stroke	D. Brown
<b>Bridget McKay</b>	Learning Alters the Afterhyperpolarization in Hippocampus CA1 Pyramidal Neurons and Interneurons	J. Disterhoft
<b>Amelia Mutso</b>	Alterations in Hippocampal Functioning in Chronic Pain	V. Apkarian
<b>Emily Oby</b>	Muscle-like Neurons for a Muscle-like Brain Machine Interface	L. Miller
<b>Sam Perlmutter</b>	Identification and Quantification of Abnormal Trunk Control in Chronic Hemiparetic Stroke	J. Dewald
<b>David Quach</b>	A Sympathetic Neuron Autonomous Role for Egr3-mediated Gene Regulation in Dendrite Morphogenesis and Target Tissue Innervation	W. Tourtellotte
<b>Rashmi Sarnaik</b>	Receptive Field Structures and Functional Properties in the Mouse Visual System	J. Cang
<b>Jessica Schulte</b>	Mammalian Cortical Development as a Model System for the Study of Glioblastoma Multiforme	J. Kessler
<b>Maya Srikanth</b>	Characterization of Glioma Stem Cell Pathways as Therapeutic Targets	J. Kessler
<b>Dana Strait</b>	Impact of Auditory Expertise on the Developing Nervous System: Musicians as a Model of Auditory Learning	N. Kraus

<b>Keith Summa</b>	Disruption of Circadian Rhythms Adversely Impacts Gastrointestinal and Reproductive Physiology and Promotes Pathological Transformation	F. Turek
<b>Jon-Eric VanLeeuwen</b>	Modulation of Dendritic Spine Plasticity in Health and Disease	P. Penzes
<b>Bor-Shuen Wang</b>	Binocular Matching in the Mouse Visual Cortex	J. Cang
<b>Christina Whiteus</b>	Mechanisms of Cerebral Angiogenesis and the Role of Neural Hyperactivity During a Postnatal Critical Period	J. Grutzendler
<b>Marina Yasvoina</b>	eGFP Expression Under the Uchl1 Promoter Labels Corticospinal Motor Neurons and a Subpopulation of Degeneration Resistant Spinal Motor Neurons in ALS Mouse Models	H. Ozdinler