



NUIN Graduates

Fall 2011 - Summer 2012

<u>Student</u>	<u>Title of Dissertation</u>	<u>Advisor</u>
Charles Anderson	Microcircuit Organization of Cortical Projection Neurons in Normal Mice and the Effects of MET Deficiency: A Link to Autism	G. Shepherd
Alexis Baria	The Structure of Brain Oscillations	A. Apkarian
Mark Benton	Modulation of Calcium and Calcium-Activated Potassium Currents in Cerebellar Purkinje Neurons During Spontaneous and Driven Firing	I. Raman
Donna Bridge	Consolidation of Retrieved Memories: Retrieval Facilitates and Distorts Long-Term Memory	K. Paller
Justin Catches	The Role of GluK4 in Synaptic Plasticity and Affective Behavior in Mice	A. Contractor
Faisal Fecto	Protein Degradation Pathways in Amyotrophic Lateral Sclerosis and Frontotemporal Lobe Dementia	T. Siddique
Karrie Fitzpatrick	Exploring the Relationship between Sleep and Psychiatric Disorders through Shared Behavioral Phenotypes, Genetics, and Pharmacological Targets	F. Turek
G. Parker Flowers	A Zebrafish Notum Homologue Specifically Blocks Wnt/beta-Catenin Signaling	J. Topczewski
Thomas Jaramillo	Characterization of Novel Epileptic Animal Models	D. Chetkovich
Kelly Jones	Disease-Related Regulators of Dendritic Architecture in Cortical Neurons	P. Penzes
Abigail Kalmbach	Optogenetically-Evoked Release of Acetylcholine: Activation of Nicotinic and Muscarinic Receptors Elicits Localized Desynchronization of Neocortex	J. Waters
Yuijin Kim	Contribution of Neuronal Excitability to Synaptic Plasticity and Target Specificity of Rat Hippocampal Pyramidal Neurons	N. Spruston
Taro Kiritani	Hierarchical Connectivity and Connection-Specific Dynamics in the Corticospinal-Corticostriatal Microcircuit in Mouse Motor Cortex	G. Shepherd
Brian London	Programming of the Metabolic Syndrome in Rodents Via Androgen Exposure At Critical Periods of Development	L. Miller
Rodrigo Pacifico	Trace Amine-Associated Receptors Define an Amine-Selective Olfactory Subsystem in the Mouse	T. Bozza
Cheryl Park	Roles of Estrogen and Progesterone Receptors in the Regulation of Energy Homeostasis	J. Levine
Jason Pitt	Factors that Protect Hippocampal Neurons from Alzheimer's-Associated Amyloid-Beta Oligomers	W. Klein
Laura Sittig	Developmental Programming of Brain Regional Thyroid Status by the Deiodinase-III: Parent-of-Origin Genetic and Epigenetic Influences	E. Redei
Lupeng Wang	Functional Development of the Mouse Superior Colliculus	JC Cang
Rebekah Ward	Somatosensory Processing in Learning and Memory: An Examination of the Ventral Posteromedial Thalamus and Somatosensory Cortices	J. Disterhoft