Northwestern University
Interdepartmental Neuroscience

NUIN Graduates

Fall 2010 - Summer 2011

Student	Title of Dissertation	Advisor
Deanna Arble	Circadian Disruption and Metabolism: A Role For Circadian Meal Timing in Body Weight Gain	F. Turek
Michael Cahill	The Role of Kalirin in Dendritic Pathology	P. Penzes
John Cieslak	The Native Structure of the Kvap Potassium Channel: New Applications of Pulsed Epr Techniques For the Study of Protein Structure in Lipid Bilayers	A. Gross
Carlo Condello	The Kinetics and Toxicity of Amyloid Deposition and the Role of Microglia in Alzheimer's Disease	J. Grutzendler
D'Anne Duncan	The Contribution of Microglia in Central Nervous System Infections and Immune-Mediated Demyelination	S. Miller
Luke Flores	Basal Ganglia Contributions to Associative Learning: The Role of the Caudate Nucleus in Trace Eyeblink Conditioning	J. Disterhoft
Shanti Frausto	Characterization of Low-Frequency Induction of Mossy Fiber Cornu Ammonis Region 3 Intermediate Term Potentiation in the Mouse Hippocampus	G. Swanson
Eric Gobel	Specificity and Fluidity of Neural Processing in Perceptual-Motor Skill Learning	P. Reber
Diana Himmelstein	Mechanisms Regulating Sonic Hedgehog Signaling in the Developing Embryo	J. Kohtz
Robert Hurley	Mechanisms of Anomia in Primary Progressive Aphasia	M. Mesulam
Thomas Jaramillo	Characterization of Novel Epileptic Animal Models	D. Chetkovich
Mariana Jimenez	Hormonal Mechanisms Underlying Complex Reproductive and Reproductive-Related Behaviors	J. Levine
Michael Johnson	Information Processing in Spinal Neurons	CJ Heckman
Aniket Kaloti	Processing of Mechanical Information in the Rat Whisker-Trigeminal System	M. Hartmann
Milos Lazic	Programming of the Metabolic Syndrome in Rodents Via Androgen Exposure At Critical Periods of Development	J. Levine
Alan Lewis	The Role of Trip8b in Neuronal Hcn Channel Trafficking and Function	D. Chetkovich
Divakar Mithal	The Role of Chemokines in the Developing Spinal Cord	R. Miller
Cheryl Park	Roles of Estrogen and Progesterone Receptors in the Regulation of Energy Homeostasis	J. Levine
Kristina Patterson	Structural Aspects of Tau Aggregation	L. Binder
Martina Pejchal	Brain Bmal1 Is Necessary For Circadian Behavioral Rhythms But Not For Food Entrainment	J. Takahashi
Aaron Schain	Multicolor Time-Stamp Reveals the Dynamics and Toxicity of Amyloid Deposition	J. Grutzendler
Jenna Schuster	Altering Motoneuron Excitability in A Mouse Model of Amyotrophic Lateral Sclerosis	CJ Heckman

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Mark Sheffield	Integration and Autonomy in Axons	N. Spruston
Terezia Smejkalova	Presynaptic Mechanisms of Acute Estradiol Action in the Hippocampus	C. Woolley
Ian Stevenson	Probabilistic Models of Interactions Between Neurons	K. Kording
Laurel Vana	Posttranslational Modifications of Tau in Vitro and in Alzheimer's Disease	L. Binder
Jade Wang	Neural Encoding of Sound: Context Dependency in Real-Time Plasticity	N. Kraus
He Yang	Exploring the Physiological, Genetic, and Molecular Mechanisms Regulating Voluntary Physical Activity in Mice	F. Turek
Wei Zhao	Exploration of Medial Olivocochlear Influence On Otoacoustic Emissions in Humans	S. Dhar
Nan Zheng	Contribution of Calcium Currents to the Firing Patterns of Neurons in the Cerebellar Nuclei	I. Raman