Northwestern University
Interdepartmental Neuroscience

NUIN Graduates

Fall 2015 - Summer 2016

Student Name	Title of Dissertation	Advisor
Sarah Brooker	BMP Signaling and Beta1-Integrin in the Adult Hippocampal Stem Cell Niche: Role in Modulating Neurogenesis and Depressive Behavior	**J. Kessler**
Pei-Ching Chang	Mechanism of Chronic Pain in Rodent Brain Imaging	**A. Apkarian**
Ivy Cheung	Impact of Light Exposure on Sleep and Cardiometabolic Function	**P. Zee**
Andy Cole	Filaments in Hippocampal Synapses Control Storage, Mobilization, and Release of Synaptic Vesicles	**T. Reese**
Andrew Eng	Group I Metabotropic Glutamate Receptor Signal Transduction Mediated by Beta-arrestin2 in Hippocampal Synaptic Plasticity	**G. Swanson**
Theanne Griffith	Identification of Critical Functional Determinants of Kainate Receptor Modulation by Auxiliary Subunit Neto2	**G. Swanson**
Robert Heuermann	The Role of HCN Channels and TRIP8b in Depression and Epilepsy	**D. Chetkovich**
Caroline Hookway	Microtubule Transport and Dynamics of Vimentin Intermediate Filaments	**V. Gelfand**
Crystle Kelly	Medial Prefrontal Cortex Hypofunction in a Rodent Model of Neuropathic Pain Involves Disruption of Thalamic and Hippocampal Inputs	**M. Martina**
Patrick Lawlor	Point Process Models in the Premotor Cortices	**K. Kording**
Katherine Leaderbrand	Regulation of Fear-Related Memory Processes by Cholinergic and Glutamatergic Mechanisms in the Dorsal Hippocampus and Retrosplenial Cortex	**J. Radulovic**
Sarah Lorenzen	Insm1 Expression and Function in the Inner Ear	**J. García-Añoveros**
Neha Mehta	Effects of Sex Differences and Environment on Behavioral and Hippocampal Transcriptomic Endophenotypes in a Genetic Rat Model of Depression	**L. Wang**
Audrey Mercer	Sex Differences in Cellular and Synaptic Cerebellar Physiology, and Disrupted Cerebellar Signaling in Mouse Models for Autism Spectrum Disorder	**I. Raman**
Emily Meyers	Bone Morphogenetic Protein Signaling Mediates Aging-Related Changes in Neurogenesis and Cognition	**J. Kessler**

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Student Name	Title of Dissertation	Advisor
Lisa Qu	Experience Dependent Coding of Olfactory Stimuli in the Human Brain	**J. Gottfried**
Ricardo Ruiz Torres	Development of a Brain-Machine Interface for the Restoration of Limb Motor Control and Proprioception	**L. Miller**
Michael Scheid	Identifying Functional Components of the Motor Cortical Gamma Broadband	**M. Slutzky**
Matthew Schroeder	Identifying Functional Components of the Motor Cortical Gamma Broadband	**J. Disterhoft, L. Wang**
Luke Sebel	Dopamine Modulation Remodels Striatal Physiology	**J. Surmeier**
Andrew Smith	Muscle Fat Infiltration: Reliability, Validity, and Clinical Value in Traumatic Spinal Injury	**J. Elliott**
Andrew Tan	Cortical Modulation of Abnormal Lower Limb Motor Synergies Post Stroke	**Y. Dhaher**
Kenneth Weber	Spinal Cord Functional Magnetic Resonance Imaging: Extracting the Signal from the Noise	**T. Parrish**