

**NUIN Graduates**

Fall 2017 - Summer 2018

| <u>Student Name</u>      | <u>Title of Dissertation</u>  | <u>Advisor</u>       |
|--------------------------|---|----------------------|
| <b>Xiaojun Bao</b>       | Neural Mechanisms of Olfactory Categorization and Navigation in the Human Brain   | <b>J. Gottfried</b>  |
| <b>Chris Bresee</b>      | Embodiment in the Mammalian Whisker System: How Anatomy and Biomechanics Facilitate Sensation and Movement                                    | <b>M. Hartmann</b>   |
| <b>Thaddeus Cybulski</b> | Toward the Statistical and Biological Realization of DNA Polymerase as a Molecular Recorder   | <b>K. Kording</b>    |
| <b>Daniel Fisher</b>     | Role of HCN Channels in Behavioral Responses to Psychosocial Stress   | <b>D. Chetkovich</b> |
| <b>Daniel Galtieri</b>   | Pedunculopontine Glutamatergic Input to Substantia Nigra Pars Compacta Dopamine Neurons   | <b>D. Surmeier</b>   |
| <b>Vance Gao</b>         | Computational Methods for Investigating Sleep, Depression, and Their Underlying Gene Networks   | <b>F. Turek</b>      |
| <b>Joshua Glaser</b>     | Machine Learning Approaches Towards Understanding Movement Planning in Naturalistic Settings  | <b>K. Kording</b>    |
| <b>Tom Harmon</b>        | Synaptic and Spiking Activity of Cerebellar Neurons during Learned and Unlearned Movements in Larval Zebrafish                                | <b>I. Raman</b>      |
| <b>Eileen McIver</b>     | Autonomous Subthalamic Nucleus Activity in a Mouse Model of Parkinson's Disease: Mechanisms of Disruption and Consequences of its Restoration | <b>M. Bevan</b>      |
| <b>Amurta Nath</b>       | Synaptic and Circuit Mechanisms of Orientation in Mouse Retina  | <b>G. Schwartz</b>   |
| <b>Meriel Owen</b>       | Determining the Brainstem's Role in Loss of Independent Joint Control in Chronic Stroke   | <b>J. Dewald</b>     |
| <b>Theron Russell</b>    | Rare Schizophrenia-Associated Kalirin Variants: Possible Mechanistic Links to Cortical Neuronal Pathology                                     | <b>P. Penzes</b>     |
| <b>Yeechan Wu</b>        | Integration of Synaptic Excitation and Inhibition in the Cerebellar Nuclei  | <b>I. Raman</b>      |