DEPARTMENT OF CELL AND MOLECULAR PHYSIOLOGY

Dissertations and Theses

Student Name	Start Year	Grad. Year	Degree	Advisor	Dissertation/Thesis Title
Ivana Semova	2006	2012	Ph.D.	Rawls	The Role of Gut Microbiota and Diet in Lipid Metabolism
Katy Liu	2007	2012	Ph.D.	Cheney	Functions of Myosin-X in Polarized Epithelial Cells
Mahita Kadmiel	2006	2011	Ph.D.	Caron	The Role of Receptor Activity Modifying Protein-2 (RAMP2) in Female Endocrine Physiology
Deepti Rao	2006	2011	Ph.D.	Manis	Cholinergic Modulation of Spike-Timing-Dependent Plasticity in Auditory Cortex.
Michael Kerber	2005	2011	Ph.D.	Cheney	The Role of Myosin X in a Putative System of Intrafilopodial Transport
Shiliang Wang	2006	2011	Ph.D.	Faber	Dissecting the Genetic Architecture of Complex Traits: Hot Spots and Vascular Collaterals
Robert Fellner	2004	2010	Ph.D.	Goy	Prouroguanylin's Role in the Homeostatic Response to Dietary Sodium: Hormone Precursor or Active Signaling Agent
Kathryn Hamilton	2005	2010	Ph.D.	Lund	Role of Suppressor of Cytokine Signaling 3 in Colorectal Cancer
Brett Rollins	2007	2010	M.S.	Tarran	Regulation of the Epithelial Sodium Channel (ENaC) by the Short Palate, Lung, and Nasal Epithelial Clone (SPLUNC1)
Victoria Newton	2004	2010	Ph.D.	Lund	Suppressor of Cytokine Signaling-2 and Epidermal Growth Factor Receptor Modulates Insulin-Like Growth Factor Signaling in Intestinal Cancer

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Youjun Chen	2004	2010	Ph.D.	Snider	Suppressor of cytokine signaling-2 and epidermal growth factor receptor modulates insulin-like growth factor signaling in intestinal cancer
Brookelyn Haddock	2004	2010	M.S.	Davis	The Role of MARCKS in Mast Cell Regulated Exocytosis
Lucia Seminario Vidal	2005	2010	Ph.D.	Lazarowski	Mechanisms of ATP Release in Airway Epithelial Cells
Melinda DiVito	2003	2009	Ph.D.	Cheney	Myosin X and Myosin XIX in Intracellular Transport
Sushmita Jha	2004	2009	Ph.D.	Ting	Role of the NLR Gene Family Members in Neuroinflammation and Demyelination in the CNS
Hsin-Yuan Cheng	2004	2009	Ph.D.	Smyth	Regulation of the Pulmonary Vasculature by Lysophospholipase D Autotaxin-Lysophosphatidic Acid Signaling
Brooks Scull	2007	2009	M.S.	Lund	Intestinal Regeneration After Irradiation: Stem Cells and Sox9
Tiffany Thai	2004	2009	Ph.D.	Arendshorst	Functional Characterization of ADP Ribosyl Cyclase Signaling Pathways in the Renal Microcirculation
Xinshuo Wang	2005	2009	M.S.	Snider	Glycogen Synthase Kinase-3 is Required for Axon Growth and Development
Damon Jacobs	2001	2008	Ph.D.	Cheney	Myosin Vc is a class V myosin that Functions in Secretory Granule Trafficking
Christy Stack	2006	2008	M.S.	Otey	The Role of Palladin in Pancreatic Cancer
Jason Clayton	2004	2008	Ph.D.	Faber	Role of Vascular Endothelial Growth Factor-A in Collateral Growth and Development
Rebecca Sayers	2002	2008	Ph.D.	Taylor	Focal Adhesion Kinase and Its Endogenous Inhibitor, FRNK, in Vascular Development and Injury

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Alicia Blaker	2003	2008	Ph.D.	Mack	Regulation of Smooth Muscle Specific Transcriptions by Serum Response Factor and Formin Homology Domain Containing Protein-1
Koji Yashiro	2003	2008	Ph.D.	Philpot	Sensory Experience-Dependent Synaptic Modifications in the Visual Cortex
Dan Arneman	2002	2007	Ph.D.	Otey	The role of Palladin in Actin Organization—Implications for the Glial Scar
Nicole Ramocki	2002	2007	Ph.D.	Lund	IRS-1 and SOCS2: Key Regulators of Insulin-like Growth Factor Signaling in Intestinal Cancer
Yukako Yokota	2002	2007	Ph.D.	Anton	Nap1 Regulated Cytoskeletal Dynamics During Cortical Neuronal Development
Sarah Street	2002	2007	Ph.D.	Manis	Spike Timing in Pyramidal Cells of the Dorsal Cochlear Nucleus
Aparna Bohil	2001	2006	Ph.D.	Cheney	Myosin-X is a Molecular Motor Central to Filopodia Formation, Adhesion, and Signaling
Julia Rasmussen	2002	2005	M.S.	Anderson	Claudins and Regulation of the Paracellular Transport System
Andrea Rossi	2000	2005	Ph.D.	Davis	Calcium Dependency of Regulated Mucin Granule Exocytosis in Airway Goblet Cells
Arianne Theiss	2000	2005	Ph.D.	Lund	The Roles of Growth Hormone and Tumor Necrosis Factor alpha in Inflammation-Induced Intestinal Fibrosis
Caleb Hodson	2000	2005	Ph.D.	Milgram	Trafficking of Guanylyl Cyclase C and Characterization of the GCC-Associated Protein NHERF4
Carie Facemire	2000	2005	Ph.D.	Arendshorst	Characterization of Store- and Receptor-Operated Calcium Influx Pathways and Canonical Transient Receptor Potential Channels in the Renal Microcirculation

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Carmen Michaylira	2000	2005	Ph.D.	Lund	Suppressor of Cytokine Signaling-2 Limits the Enterotrophic Actions of Growth Hormone and Insulin-Like Growth Factor-1 in Intestine
Adam Hantman	1999	2005	Ph.D.	Perl	Properties of a Distinctive Set of Substantia Gelatinosa Neurons Labeled with Green Fluorescent Protein
Matthew Thimgan	1999	2005	Ph.D.	Stuart	Probing the Histaminergic Nervous System of *Drosophila Melanogaster*: Development, Reagents, and the Search for the Histamine Transporter
Jeremy Walton	1998	2005	Ph.D.	Oxford	Desensitization Mechanisms of the Sensory Transduction Channel TRPV1
Huifei Liu	1997	2002	Ph.D.	Reid	Citron Kinase is a Cell Cycle-Dependent Protein Involved in the Control of Hepatocyte Mitosis and Binucleation
Patricia Kultgen	1997	2002	Ph.D.	Milgram	Identification and Characterization of a Novel A-Kinase Anchoring Protein in Ciliary Axonemes
Elaine Gilmore	1998	2002	Ph.D.	Stutts/ Milgram	Regulation of the Epithelial Na+ Channel by Src Family Kinases and Endothelin
Caitlin Houlihan	1998	2002	M.S.	Milgram	Investigation of the Expression and Distribution of the A-kinase Anchoring Protein AKAP18β in Epithelia
Olga Rodriguez	1996	2002	Ph.D.	Cheney	Discovery and Initial Characterization of Myosin-Vc
Holly Goebel	1999	2001	M.S.	Lund	Suppressors of Cytokine Signaling (SOCS) mRNA Induction in Intestinal Inflammation
Kristen Williams	1996	2001	Ph.D.	Lund	Endocrine and Paracrine Actions of Growth Hormone and Insulin-like Growth Factor-I in Normal and Diseased Intestine
Jianyong Chen	1995	2001	Ph.D.	Rosenberg	Direct Inhibition Of Cardiac L-Type Calcium Channels By Epoxyeicosatrienoic Acids