

May, 2011

Tiffany Niemoller Eady, Ph.D.

Major Professor: **Nicolas G. Bazan, M.D., Ph.D.**

Dissertation: Docosaehaenoic Acid, Neurolipidomics, and the Ischemic Penumbra of Stroke

Hongbo He, Ph.D.

Major Professor: **Jeffrey D. Erickson, Ph.D.**

Dissertation: Functional Distinctions between Vesicular Glutamate Transporter Isoforms VGLUT1 and VGLUT2 in Synaptic Plasticity

Abhilash Ponnath, Ph.D.

Major Professor: **Hamilton E. Farris, Ph.D.**

Dissertation: Adaption in the Auditory System: Effects on Temporal Coding and Novel Stimulus Detection

Tabitha Morgan Quebedeaux, Ph.D.

Major Professor: **Nicolas G. Bazan, M.D., Ph.D.**

Dissertation: Dentate Gyrus Hyperexcitability Following Status Epilepticus: Characterization and attenuation by Neuroprotectin D1

May, 2010

Hani Nakhoul, M.S.

Major Professor: **Carmen C. Canavier, Ph.D.**

Dissertation: Computational Modeling of Firing Patterns of Midbrain Dopamine Neurons

Rajee, Antony, Ph.D.

Major Professor: **Nicolas G. Bazan, M.D., Ph.D.**

Dissertation: Neuroprotectin D1 Dephosphorylates BCL-XL in a PP2A-Dependent Manner During Oxidative Stress in ARPE-19 Cells

Jorgelina Muriel Calandria, Ph.D.

Major Professor: **Nicolas G. Bazan, M.D., Ph.D.**

Dissertation: 15 Lipoxygenase-1-Derived Neuroprotectin D1 Modulates Gene Transcription and Retinal Pigment Epithelial Cell Survival

Ni Fan, Ph.D.

Major Professor: **Chu Chen, Ph.D.**

Dissertation: Mechanisms of Marijuana Altered Synaptic Plasticity

Virginia Medinilla, Ph.D.

Major Professor: **Sonia Gasparini, Ph.D.**

Dissertation: Distance-Dependent Differences in the Synaptic Properties of Layer V Neurons of the Rat Medial Entorhinal Cortex

Selvakumar Maran Selandipalayam, Ph.D.

Major Professor: Carmen C. Canavier, Ph.D.

Dissertation: Phase Resetting and its Applications to Analysis of Neural Circuits

May, 2009

Sukhjeevan Grewal, Ph.D.

Major Professor: Jeffrey Erickson, Ph.D.

Dissertation: The Physiological Role of the SNAT2 Glutamine Transporter in Neurons

Hitoshi Kuroda, Ph.D.

Major Professor: Jakob Reiser, Ph.D.

Dissertation: Optimization of Lentivirus Vectors for Gene Delivery to the Hippocampus

Jessica Waguespack, Ph.D.

Major Professor: Anthony Ricci, Ph.D.

Dissertation: Investigation of In Vitro Maturation of Rat Outer Hair Cells Using Morphological and Physiological Tools

Yuhai Zhao, Ph.D.

Major Professor: Walter Lukiw, Ph.D.

Dissertation: Neuroprotectin D1 Exerts Potent Anti-Apoptotic, Anti-Inflammatory and Anti-Amyloidogenic Bioactivities Cellular Models of Alzheimer's Disease

May, 2008

Javier Pacheco Quinto, Ph.D.

Major Professor: Nicolas G. Bazan, M.D., Ph.D.

Dissertation: Role of Homocysteine in the Pathophysiology of Alzheimer's Disease

Marie Elise Kuebel Morris, M.S.

Major Professor: Jeffrey Erickson, Ph.D.

Dissertation: Analysis of the Vesicular Glutamate Transporter 2 (VGLUT2) Structural Motifs Which Confer Functionality

May, 2007

Fang Liu, M.S.

Major Professor: Miguel Pappolla, M.D., Ph.D.

Dissertation: Contribution of APOE Promoter-491A/T Polymorphism Cholesterol to Beta-Amyloid Deposit in the APOE Epsilon 3/3 Human Being

Daniel Navar, M.S.

Major Professor: John Porter, Ph.D.

Dissertation: Dehydroepiandrosterone Blocks the Neuropeptide γ -Induced Hyperphagia in the Zucker Rat

Jayanta Mukherjee, Ph.D.

Major Professor: **Rene Anaud, Ph.D.**

Dissertation: Biogenesis of the alpha 7 Nicotinic Acetylcholine Receptor

Juan de Rivero Vaccari, Ph.D.

Major Professor: **Theodore Weyand, Ph.D.**

Dissertation: NMDA Receptor-Dependent Neural Protection in Development

May, 2006

Michelle S. Steinhardt, M.S.

Major Professor: **Walter Lukiw, Ph.D.**

Dissertation: Gene Expression Patterns in Alzheimer Superior Temporal Lobe Neocortex Analyzed Using High Density DNA Arrays

August, 2005

Gabriel Conrado Quintero, M.S.

Major Professor: **Reha Erzurumlu, Ph.D.**

Dissertation: Effects of Cortex Specific Knockout of the N-Methyl-D-Aspartate NRI-Subunit on Pain Behavior in Mice

May, 2005

Carmel Bridgeman, Ph.D.

Major Professor: **Jeffery Magee, Ph.D.**

Dissertation: Sleep Deprivation Induced Alterations in Hippocampal Functioning

December, 2004

Ali Genc, M.S.

Major Professor: **Chu Chen, Ph.D.**

Dissertation:

December, 2003

Michael J. Monroe, Ph.D.

Major Professor: **Emel Songu-Mize, Ph.D.**

Dissertation: Central Neural Control of Gastric Motor Function in Mice: In Vivo Studies Using a Novel Miniaturized Barostat

May, 2003

Peimin Zhu, Ph.D.

Major Professor: **Nicolas G. Bazan, M.D., Ph.D.**

Dissertation: Platelet-Activating Factor (PAF) is a Mediator of Glutamate Receptors-Oxidative Stress Signaling in Neuronal Survival

December, 2002

Xing Cheng, Ph.D.

Major Professor: **Bronya Keats, Ph.D.**

Dissertation: The Prevalence and Clinical Features of Hearing Impairment Associated with GJB2

August, 2002

Akash Datwani, Ph.D.

Major Professor: **Reha Erzurumlu, Ph.D.**

Dissertation: Sculpting of Cortical Circuitry by N-Methyl-D-Aspartate Receptors

May, 2002

Adam Haeberle, Ph.D.

Major Professor: **Reha Erzurumlu, Ph.D.**

Dissertation: Axon Guidance and Target Interactions in the Developing Trigeminal System

December, 2001

Zanyu Zhang, M.S.

Major Professor: **Roger Beueman, Ph.D.**

Dissertation:

August, 2001

Scott F. Davis, Ph.D.

Major Professor: **Ted Weyand, Ph.D.**

Dissertation: Consequences of NMDA Receptor Activation in the Distal Retina

Mark A. Parker, Ph.D.

Major Professor: **Nicolas G. Bazan, M.D., Ph.D.**

Dissertation: The Effects of PAF in Brain Mitochondria: New Ideas on Old Receptors

May, 2001

Anthony Paul Barnes, PhD.

Major Professor: **Prescott Deiniger, Ph.D.**

Dissertation: Regulation of the BCI RNA-Ribonucleoprotein Complex in Rodent Brain

Bin Tu, Ph.D.

Major Professor: **Nicolas G. Bazan, M.D., Ph.D.**

Dissertation: Synaptic Signaling in Kindling Epileptogenesis

December, 2000

Neva Christina West, Ph.D.

Major Professor: **Prescott Deiniger, Ph.D.**

Dissertation: Purification, Expression and Binding Properties of BC1 Ribonucleoproteins

August, 2000

Christopher S. LeBlanc, Ph.D.

Major Professor: Richard P. Bobbin, Ph.D.

Dissertation: An Assessment of Antisense and Whole-Cell Voltage-Clamp Methodologies in Indicating the Function and Source of Perilymphatic ATP in the Guinea Pig Cochlea

Michael Serou, Ph.D.

Major Professor: Nicolas G. Bazan, M.D., Ph.D.

Dissertation: Interleukin-1 beta Mediated Signaling to Genes: Implications for Neuronal Survival

May, 2000

Michael F. Salvatore, Ph.D.

Major Professor: John Haycock, Ph.D.

Dissertation: Regulation of Tyrosine Hydroxylase Phosphorylation in situ and in vivo

December, 1999

Margaret M. Deangelis, Ph.D.

Major Professor: Mark A. Batzer, Ph.D.

Dissertation: In Search of the Gene Responsible for Acadian Usher Syndrome on 11p

August, 1998

Mark L. Baker, Ph.D.

Major Professor: Bryan Gebhardt, Ph.D.

Dissertation: Response to Astrocytes and Microglia to Herpes Simplex Type 1 Infection

December, 1998

Lisa A. Teather, Ph.D.

Major Professor: Nicolas G. Bazan, M.D., Ph.D.

Dissertation: Neurobiological Mechanisms of Anatomically and Functionally Distinct Mammalian Memory Systems