

1. **John Belcher**, *University of Texas at San Antonio*

Mentor: Jeffrey Hayes, Ph.D.

Title: **Application of Steady-state Fluorescence Anisotropy to Study Linker Histone Dynamics and Nucleosome Binding**

2. **Nicholas Cinquino**, *Skidmore College*

Mentor: Robert Mooney, Ph.D.

Title: **Activation of Akt by Glucagon in Primary Hepatocytes**

3. **Kathryn Cooper**, *University of Rochester*

Mentor: William O'Neill, Ph.D.

Title: **The Effect of Eccentric Gaze on Sound Localization in Human Subjects**

4. **Marie Feliciano**, *University of Puerto Rico, Mayaguez Campus*

Mentor: Alexandra Livingstone, Ph.D.

Title: **Dendritic Cell Expression of CD70: A Role for Type I Interferon?**

5. **Laura Leigh French**, *Houghton College*

Mentor: David Pearce, Ph.D.

Title: **Localization of the Ers1 Protein, the Yeast Homolog of the Lysosomal Cystine Transporter Cystinosin**

6. **Kayla Garrett**, *Rochester Institute of Technology*

Mentor: Deborah Fowell, Ph.D.

Title: **Regulation of CXCR3 Expression on Th1 Cells in *Leishmania Major* Infection**

7. **Eduardo Gigante**, *Binghamton University*

Mentor: Jean Bidlack, Ph.D.

Title: **Binding Potency and Efficacy Properties of Amino-thiazol Derivatives μ , κ and δ Opioid Receptors**

8. **Brian Goldman**, *Union College*

Mentor: Robert Rose, Ph.D.

Title: **Purification of D2d3-gpD**

9. **Russell Goodman**, *Le Moyne College*

Mentor: David Mathews, M.D., Ph.D.

Title: **The Effect of Coaxial Stacking of Helices in Multibranch Loops and Exterior Loops on RNA Secondary Structure Prediction**

10. **Lindsay Gordon**, *Georgia College & State University*

Mentor: David Goldfarb, Ph.D.

Title: **Membrane Bending During Induction of Piecemeal Microautophagy**

11. **Alanna Klose**, *SUNY Geneseo*

Mentor: M. Kerry O'Banion, M.D., Ph.D. and John Olschowka, Ph.D.

Title: **Radiation-induced Neuroinflammation Has No Effect on Severity of Secondary Injury In Mouse Brain or Plaque Load in Chronic Alzheimer's Disease**

12. **David Kopin**, *University of Rochester*

Mentor: Harold Smith, Ph.D.

Title: **Finding the Dimeric Interface of APOBEC3G**

13. **Stephanie Lachapelle**, *Stonehill College*

Mentor: Michael O'Reilly, Ph.D.

Title: **Characterization of p53 Phosphorylation in Hyperoxia**

14. **Karin Lee**, *Yale University*

Mentor: Robert Rose, Ph.D.

Title: **Optimization of Immune Strategies for Dengue Virus**

15. **L. Meghan Liles**, *Oklahoma State University*

Mentor: Margot Mayer-Pröschel, Ph.D.

Title: **Mechanism of NF-k-B Activation In Oligodendrocyte Survival**

16. **Rebecca Lu**, *University of Rochester*

Mentor: David Pearce, Ph.D.

Title: **Synthetic Lethality with *ERS1* in the *S. Cerevisiae* Model for Cystinosis**

17. **Charles Mackin**, *University of Connecticut*

Mentor: Douglas Portman, Ph.D.

Title: **Visualization of Sex Specific Synapses in *Caenorhabditis Elegans***

18. **Cristina Ortiz Diaz**, *University of Puerto Rico, Rio Piedras Campus*

Mentor: Stephen Dewhurst, Ph.D.

Title: **SEVI, a Semen-derived Enhancer of HIV Infection, Stimulates a Pro-inflammatory Response**

19. **Patricia Ortiz Diaz**, *University of Puerto Rico, Rio Piedras Campus*

Mentor: Martin Pavelka, Ph.D.

Title: **Deletion Analysis of Class A HMW Penicillin-Binding Proteins of *Mycobacterium Smegmatis***

20. **Luis Ruffolo**, *University of Pennsylvania*

Mentor: Ian Dickerson, Ph.D.

Title: **Fluorescently Labeling Calcitonin Gene-Related Peptide (CGRP): A New Reagent For Analyzing Neuropeptide Function**

21. **Jennifer Sabogal**, *Fairleigh Dickinson University*

Mentor: Jacques Robert, Ph.D.

Title: **Investigating the Innate Immune Response of *X. laevis* Larvae Against the Ranavirus FV3 Through Gene Expression Profile**

22. **Crystal Wall**, *The College of New Jersey*

Mentor: Troy Zarcone, Ph.D.

Title: **Behavioral Phenotyping of Cln3 Mice on the C57BL/6 Background**

23. **Laura Yunes**, *University of Puerto Rico, Rio Piedras Campus*

Mentor: Elaine Sia, Ph.D.

Title: **Effect of *RAD52* in Mitochondrial Direct-repeat Mediated Deletions**

Visiting Summer Students

1. **Emily Clark**, *University of Rochester*

Mentor: Suzanne Haber, Ph.D.

Title: **The Influence of Aging on Human Sound Localization**

2. **Taylor DesRosiers**, *Cornell University*

Mentor: Stephen Dewhurst, Ph.D.

Title: **Methamphetamine Exposure Inhibits Cerebral Blood Flow by Inducing Increased Respiration Rate and Hypocapnia**

3. **Kelli Fagan**, *Rochester Institute of Technology*

Mentor: Suzanne Haber, Ph.D.

Title: **A Comparative Analysis of Amygdala and Prefrontal Cortical Inputs into the Ventral Striatum**

4. **Abigail Feresten**, *Oberlin College*

Mentor: Suzanne Haber, Ph.D.

Title: **Dorsolateral Prefrontal Cortical Projection through the Anterior Internal Capsule: A Tract-Tracing Study**

5. **Elizabeth Levy**, *University of Rochester*

Mentor: Patrica Sime, Ph.D.

Title: **Dual-acting Lipid Mediators: Elucidating the Mechanism of their Anti-inflammatory and Pro-resolution Effects**

6. **Jennifer Milillo**, *Rochester Institute of Technology*

Mentor: Robert Freeman, Ph.D.

Title: **Using BiFC to Explore Novel Interactions between Bim_{EL}, EGLN3, and pVHL**

7. **Mohammed Mostajo-Radji**, *Rochester Institute of Technology*

Mentor: Robert Dirksen, Ph.D.

Title: **Short Interfering RNA (siRNA) Screening for Allele Specific Gene Silencing in Autosomal-Dominant Myopathies**

8. **Greg Splain**, *Rochester Institute of Technology*

Mentor: David Yule, Ph.D.

Title: **Investigation of Regulatory Capabilities of a Type I Inositol 1,4,5-Trisphosphate Receptor Calcium Binding Site**

9. **Emily Strong**, *Wellesley College*

Mentor: Patricia Sime, Ph.D.

Title: **The Role of Tissue Transglutaminase in Pulmonary Fibrosis**

10. **Kelsey Thomas**, *Worcester Polytechnic Institute*

Mentor: Stephen Dewhurst, Ph.D.

Title: **Identification of Novel Anti-Influenza Drugs Targeting the Polymerase Complex**

11. **Vincent Williams**, *University of Oklahoma*

Mentor: David Pinto, Ph.D.

Title: **Automated EEG Analysis for Epileptic Seizure Detection: Algorithms and Applications**

UNIVERSITY OF ROCHESTER SCHOOL OF MEDICINE AND DENTISTRY

POSTER SESSION 2009 SUMMER SCHOLARS PROGRAM

THURSDAY AUGUST 6, 2009

9:30 TO 11:30 AM

FLAUM ATRIUM

KORNBERG MEDICAL RESEARCH BUILDING

