2012 Summer Scholars Program

Poster Session

Thursday, August 2, 2012
9:30am – 10:30am: odd posters presentation
10:30am - 11:30am: even posters presentation
Flaum Atrium
1. Felix Ramos, University of Puerto Rico at Rios Piedras
   Mentor: Harris Gelbard MD, PhD
   Title: MLK-3 Inhibition Behavioral Trials in C57bl/6 Mice to Control Severe Neuroinflammation Caused by LPS-Stereotactic Injections: Implications for HIV-Associated Neurocognitive Disorder
   Felix M Ramos, Daniel Marker, Jenna Puccini and Harris Gelbard, PhD

2. Rebecca Bailey, Rochester Institute of Technology
   Mentor: Charles Thornton, PhD
   Title: Supt4h1-Dependent Transcriptional Elongation: Potential Point of Attack for Repeat Expansion Diseases
   Rebecca Bailey, Wenli Wang and Charles A. Thornton, PhD

3. Morgan Kennedy, University of Rochester
   Mentor: Gary Paige, PhD
   Title: Visual Capture of Auditory Targets in Extrafoveal Space
   Morgan J. Kennedy, Adam K. Bosen, Emily C. Clark, Paul D. Allen, William E. O’Neill, PhD and Gary D. Paige, PhD

4. Diana Liao, Johns Hopkins University
   Mentor: Brad Mahon, PhD
   Title: Connectivity in the Tool Network: The Effects of an Induced Lesion
   Diana A. Liao, F.E. Garcea, and Brad Z. Mahon, PhD

5. Bingqing Wang, University of Rochester
   Mentor: Tatiana Pasternak, PhD
   Title: Memory-guided Comparisons of Visual Motion and Its Location: A Psychophysical Study
   Bingqing Wang, Kristiana Lachiusa, Philip Spinelli and Tatiana Pasternak, PhD

6. Alaina Wayland, University of Rochester
   Mentor: Marc Halterman, PhD
   Title: Defining the Genetic Pathways Regulating Lipid Droplet Induction in Neuronal Cells

7. Breanna Caruso, Colgate University
   Mentor: M. Kerry O’Banion MD, PhD and John Olschowska, PhD
   Title: The Effects of Head Only, Body Only and Whole Body Irradiation on Neurogenesis in C57BL/6 Mice
   Breanna Caruso, Jonathan Cherry, Kerry O’Banion, MD, PhD and John Olschowka, PhD

8. Alexander Skojec, University of Scranton
   Mentor: Mark Noble, PhD
   Title: Increased Neurite Outgrowth in Cerebellar Granule Neurons Treated with Wnt and Soluble Factor 3
   Alexander Skojec, Chung-Hsuan Shih, Michelle Lacagnina, and Christoph Proschel, PhD

9. Kendra Lechtenberg, Kenyon College
   Mentor: Margot Mayer-Pröschel, PhD
   Title: Pro-Astrocyte Signaling in Oligodendrocyte Progenitor Cells after Interferon-γ Treatment
   Kendra Lechtenberg, Daniel Tanner, PhD and Margot Mayer-Pröschel, PhD
10. Christopher Wunsch, Virginia Military Institute
Mentor: Robert Freeman, PhD
Title: Testing for a Possible Interaction between Mammalian EGLN and APBA Family Proteins
Chris Wunsch, Mary Gantz and Robert Freeman, PhD

11. Eric Ramirez, University of Puerto Rico at Rios Piedras
Mentor: Jean Bidlack, PhD
Title: Effects of Filtration Buffers and MgCl₂ on DAMGO- and Buprenorphine-Stimulated [³⁵S]GTPᵭS Binding at the µ Opioid Receptor
Eric Ramirez, Greg Bryman, Bryan I. Knapp and Jean M. Bidlack, PhD

12. Eric Miller, University of Rochester
Mentor: Paul Kammermeier, PhD
Title: Interaction of Metabotropic Glutamate Receptors, Subtypes 1 and 5
Eric Miller and Paul Kammermeier, PhD

13. Boris Borovcanin, University of Rochester
Mentor: Paul Brookes, PhD
Title: Aspirin Affects Metabolism in Cardiac Cells
Boris Borovcanin, Sergiy M. Nadtochiy, PhD, Paul S. Brookes, PhD

14. Allyssa Abel, University of Rochester
Mentor: Keith Nerke, PhD
Title: Adaptive Stress Regulation of Carbonic Anhydrase 6 in Mouse Neuronal Cell Culture Models
Allyssa Abel, Teresa Sherman, Jonathan Malecki, Tori Matthews and Keith Nehrke, PhD

15. Molly Austen, University of Rochester
Mentor: Keith Nerke, PhD
Title: Mitochondrial UPR and Ca²⁺ Signaling in C. elegans: A Two-Component System
Molly Austen, Teresa Sherman, Erik Allman and Keith Nehrke, PhD

16. Cristina Castro-Rivera, University of Puerto Rico at Mayaguez
Mentor: Burns Blaxall, PhD
Title: Elucidating the Role and Therapeutic Efficacy of MLK 3 Inhibition in Pathologic Cardiac Remodeling
Cristina M. Castro, Melissa L. Martin and Burns C. Blaxall, PhD

17. Eric Garbade, University of Scranton
Mentor: Matthew Hilton, PhD
Title: Notch Regulation of Mesenchymal Progenitor Cell (MPC) Proliferation and Differentiation Factors
Eric Garbade and Matthew J. Hilton, PhD

18. Zachariah Adham, University of Rochester
Mentor: Lisa Opanashuk, PhD
Title: AhR and Notch Signaling Pathways Promote Proliferation of Human MB Cells
Zachariah O. Adham, Daniel P. Dever and Lisa A. Opanashuk, PhD
19. **Robert Hayden**, Hamilton College  
Mentor: Harold Smith, PhD  
Title: Developing a High Throughput Counter Screening Assay For HIV-1 Therapeutics by Investigating the Molecular Interactions of Anti-Host Cell Defense Factor CBFβ  
Robert M. Hayden, Ryan P. Bennett and Harold C. Smith, PhD

20. **Emma Gryotis**, Earlham College  
Mentor: Denise Hocking, PhD  
Title: Testing the Effects of Acoustic Cavitation on Fibronectin Conformation  
Emma Gryotis, Diane Dalecki, PhD, Denise Hocking, PhD

Mentor: Danielle Benoit, PhD  
Title: Development of ‘Smart’ Hydrogels for Cell-Dictated Peptide Release  
Maureen R. Newman, Amy Van Hove and Danielle S. W. Benoit, PhD

22. **Christian Evans**, SUNY Geneseo  
Mentor: Jim Miller, PhD  
Title: Translational Regulation of GATA-3 via a Unique Secondary mRNA Structure within the 5’ Untranslated Region  
Christian Evans and James Miller, PhD

23. **Liz Garcia**, Universidad del Este  
Mentor: Michael Elliott, PhD  
Title: Response of BV-2 Microglia Cells to Purinergic Find-Me Signals from Apoptotic Cells  
Liz Garcia, Patrick S Murphy and Michael R. Elliott, PhD

24. **Jackeline Palencia**, Universidad del Este  
Mentor: Jose Lemos, PhD  
Title: Linkage of the Stringent Response to Antibiotic Tolerance in Enterococcus Faecalis  
Jackeline Palencia, Jessica K. Kajfasz, and José A. Lemos, PhD

25. **Phillip Cohen**, University of Rochester  
Mentor: Steve Dewhurst, PhD  
Title: Association of Spherical, 500 nm Nanoparticles with Murine Dendritic Cells  
Phillip Cohen, Matthew Brewer, William Domm, Danielle Benoit, PhD and Stephen Dewhurst, PhD

26. **Kaitlyn Jefferson**, University of South Dakota  
Mentor: Stephen Dewhurst, PhD  
Title: Identification of Novel Inhibitors of Semen Derived Enhancer of Viral Infection (SEVI)-Mediated Enhancement of HIV-1 Infection  
Kaitlyn Jefferson, David Easterhoff, Stephen Dewhurst, PhD, John DiMaio, Alan Smrcka, PhD and Bradley Nilsson, PhD

27. **Janelle Veazey**, Messiah College  
Mentor: Stephen Dewhurst, PhD  
Title: Association of Host Protein Transportin 3 (TNPO3) with Influenza Virus RNA Polymerase  
Janelle Veazey, Jonelle Mattiacio and Stephen Dewhurst, PhD
28. Kevin Allan, University of Rochester
   Mentor: Baek Kim, PhD
   Title: SAMHD1 Effects on HIV-1 Recombination Frequency in Macrophages and Activated T-cells
   Kevin C. Allan, Laura A. Nguyen and Baek Kim, PhD