



SCHOOL OF MEDICINE & DENTISTRY
UNIVERSITY of ROCHESTER MEDICAL CENTER

2016 Summer Scholars Program

Poster Session

Thursday, August 4, 2016

9:30am – 10:30am: even posters presentation

10:30am - 11:30am: odd posters presentation

Saunders Research Building Atrium

1. **Kaylind Batey**, *Centre College*
Mentor: Laura Calvi, MD
Title: **Loss of Notch Ligand Jagged1 in the Osteolineage Accelerates Osteoblast Differentiation and Influences Trabecular Bone Localization**
Authors: Kaylind G. Batey, Rialnat A. Lawal, PhD; Mary A. Georger, Benjamin J. Frisch, PhD and Laura M. Calvi, MD
2. **Yonina Bykov**, *University of Hartsford*
Mentor: Robert Freeman, PhD
Title: **Effect of Perinatal Hypoxia on EGLN3 mRNA Expression in Late Term Embryos and Newborn Mice (2016)**
Authors: Yonina Bykov, Reed Donithen, Min Yee, Michael A. O'Reilly, PhD and Robert S. Freeman, PhD
3. **Christopher Campomizzi**, *Niagara University*
Mentor: Andy Samuelson, PhD
Title: ***Caenorhabditis elegans* Mlx is Essential for Gene Expression Changes Mediated by Dietary Restriction**
Authors: Christopher S. Campomizzi, Adam B. Cornwell, David W. Johnson, and Andrew V. Samuelson, PhD
4. **Amelia Clark**, *Virginia Tech*
Mentor: Dave Topham, PhD
Title: **Evasion of Vaccine-Mediated Antibodies by Influenza A H1N1**
Authors: Amelia M. Clark, Marta L. DeDiego, Chris S. Anderson and David J. Topham, PhD
5. **Janine Cubello**, *Niagara University*
Mentor: Elaine Sia, PhD
Title: **Respiration Loss and Changes to Mitochondrial Morphology in *S. Cerevisiae* Due to Growth in Various Carbon Sources**
Authors: Janine Cubello, Christopher Prevost and Elaine Sia, PhD

6. **Bao Dang**, *University of Rochester*
Mentor: Patricia White, PhD
Title: **Noise Exposure Induces Anatomical Differences in the Cochlea of SIRT3 Knock Out Mice After Noise Exposure, Compared to Wild Type Littermates.**
Authors: Bao Dang, Sally Patel, Steve Paquette, PhD and Patricia White, PhD
7. **Kevin Denny**, *Nazareth College*
Mentor: Gloria Culver, PhD
Title: **Investigation of the Role of RNase II in 16S rRNA Maturation in E.Coli**
Authors: Kevin Denny, Brian Smith and Gloria Culver, PhD
8. **Catherine Giannetti**, *Stonehill College*
Mentor: Michael Welte, PhD
Title: **Effect of Jabba Dosage on Histone Recruitment on Drosophila Embryos**
Authors: Catherine Giannetti, R. Stephenson and Michael Welte, PhD
9. **Nidhi Goel**, *Auburn University*
Mentor: Deb Fowell, PhD
Title: **The Role of Wiskott - Aldrich syndrome Protein in Th17 Differentiation**
Authors: Nidhi Goel, Katherine E Herman and Deborah J Fowell, PhD
10. **Hannah Jackel-Dewhurst**, *Oberlin College*
Mentor: M. Kerry O'Banion, MD, PhD
Title: **Radiation Diminishes Microglial Proliferation in Response to Injury**
Authors: Hannah Jackel-Dewhurst, M. Kerry O'Banion, MD, PhD, John Olschowka, PhD and Tara Sweet, PhD
11. **Andrew Johanson**, *St. Lawrence University*
Mentor: Craig Morrell, DMV, PhD
Title: **Platelet Factor 4 Regulation of B Cell Differentiation**
Authors: Andrew L. Johanson, Sara K. Ture, BS LVT; Zachery T. Hilt, BS; Daphne N. Pariser, BS; Scott J. Cameron, MD, PhD and Craig N. Morrell DVM, PhD

12. **Tylor Militello**, *Siena College*
Mentor: Doug Portman, PhD
Title: **Genetic Sex of Sensory Neurons Influences Sex-Specific Behavior of Male *C. elegans* (2016)**
Authors: Tylor Militello; Hannah Steinert; Renee Miller, PhD and Douglas Portman, PhD
13. **Roberto Morales Silva**, *University of Puerto Rico in Ponce*
Mentor: M. Kerry O'Banion, MD, PhD
Title: **Intracranial Injection of interleukin 4 Effects in the 3xTg Mouse Model of Alzheimer Disease**
Authors: Roberto J. Morales, Dawling Dionisio-Santos, John A. Olschowka, PhD and M. Kerry O'Banion, MD, PhD
14. **Martha Ormanoski**, *Cornell University*
Mentor: Danielle Benoit, PhD
Title: **Assessing the Distribution of siRNA Nanoparticles to Protect the Salivary Glands Against Radiation-Induced Hypofunction**
Authors: Martha A. Ormanoski, Jomy J. Varghese, Catherine E. Ovitt, PhD and Danielle S.W. Benoit, PhD
15. **Reva Peer**, *University of Rochester*
Mentor: Ania Majewska, PhD
Title: **Impact of Gestational 2, 3, 7, 8-Tetrachlorodibenzo-p-dioxin Exposure on Microglial Morphology**
Authors: Reva Peer, Cassandra Lamantia and Ania Majewska, PhD
16. **Connor Schroyer**, *Ithaca College*
Mentor: Doug Portman, PhD
Title: **Regulation of *odr-10* Expression by *dmd-6***
Authors: Connor Schroyer, Emily Wexler and Douglas Portman, PhD
17. **Stephanie Viteri**, *University of Rochester*
Mentor: Keith Nehrke, PhD
Title: **Epistatic Analysis and Signaling Outputs of the Mitochondrial Unfolded Protein Response**
Authors: Stephanie Viteri, Yunki Im, Salvador Peña, Teresa Sherman and Keith Nehrke, PhD

18. **Joanna Wojtun**, *University of Connecticut*
Mentor: Benoit Biteau, PhD
Title: **The Role of Sox100B, a Transcription Factor in the Drosophila Melanogaster Intestinal Stem Cell**
Authors: Joanna Wojtun and Benoit Biteau, PhD
19. **Shuchen Wu**, *University of Rochester*
(*Not participating due to a previous commitment.*)
Mentor: Ralf Haefner, PhD
Title: **A Biologically Plausible Implementation of Probabilistic Inference in the Visual System Using Leaky Integrate and Fire Neurons**
Authors: Shuchen Wu, Ankani Chatteraj, Ralf Haefner, PhD