



SCHOOL OF MEDICINE & DENTISTRY
UNIVERSITY of ROCHESTER MEDICAL CENTER

2019 Summer Scholars Program

Poster Session

**Thursday, August 1, 2018
12:00 – 1:30pm
Flaum Atrium**

1. **Tayla Bibb**, *Spelman College*
Mentor: John Olschowka, PhD and M. Kerry O'Banion, MD, PhD
Title: **Understanding the Role of Axl in Microglial Responses to Alzheimer Disease Pathology**
Authors: Tayla Bibb, Laura Owlett, John Olschowka, PhD, M. Kerry O'Banion, MD, PhD
2. **Emily Britt**, *Bryn Mawr College*
Mentor: Benoît Biteau, PhD
Title: **Proximity labeling to identify binding partners of Sox Family proteins that determine stem cell fate**
Authors: Emily Britt, Benoît Biteau, PhD
3. **Naomi Carter**, *Hampton University*
Mentor: Marc Halterman, MD, PhD
Title: **Lesion Tracer: A Supervised Image Analysis Tool to Investigate the Role of Immune-Mediated Penumbra Collapse in Focal Stroke**
Authors: Naomi Carter, Kathleen Miller-Rhodes, MS, George Albert, BS, Viollandi Prifti, BS, Marc Halterman, MD, PhD
4. **Emma Castiblanco**, *Haverford College*
Mentor: Danielle S.W. Benoit, PhD
Title: **Tuning Hydrogel Formation and Degradation for Salivary Gland Tissue Chips**
Authors: Emma Castiblanco, Jared Mereness, Danielle S.W. Benoit, PhD
5. **Arsalan Farooqi**, *University of Rochester*
Mentor: Andrew P. Wojtovich, PhD
Title: **Mitochondrial reactive oxygen species-induced behavioral changes in *C. elegans***
Authors: M. Arsalan Farooqi, John O. Onukwufor, PhD, Andrew P. Wojtovich, PhD
6. **Kara Farquharson**, *Rochester Institute of Technology*
Mentor: Steve Dewhurst, PhD
Title: **Production of a pH1N1 Influenza A Virus with a PB1 L319Q Mutation, for Determination of its *In Vitro* and *In Vivo* Phenotypes**
Authors: Kara Farquharson, Kayla Bell, PhD, Stephen Dewhurst, PhD

7. **Sarah Fischer**, *University of Rochester*
Mentor: Keith Nehrke, PhD
Title: **Alzheimer's disease relevant Tau modifications cause neuronal dysfunction and mitochondrial fragmentation in novel *C. elegans* single-copy transgenic models**
Authors: Sarah Fischer, Sanjib Guha, Gail V.W. Johnson, Keith Nehrke, PhD
8. **Montserrat Garcia Arreguin**, *University of Texas – El Paso*
Mentor: Douglas S. Portman, PhD
Title: **The *C. elegans* makorin *lep-2* and its human ortholog *MKRN3* regulate *lin-28* to time sexual maturation of the nervous system**
Authors: Montserrat C. Garcia Arreguin, Hannah Lawson, Douglas S. Portman, PhD
9. **Xinbei Liu**, *Rochester Institute of Technology*
Mentor: Michelle Dziejman, PhD
Title: **Functional comparison of *Vibrio cholerae* and *Vibrio parahaemolyticus* VopZ(Z) effector proteins**
Authors: Xinbei Liu, Hannah Bell, Michelle Dziejman, PhD
10. **Olufolake Majekodunmi**, *University of Maryland – Baltimore County*
Mentor: Jean Bidlack
Title: **Fibroblast Growth Factor 21 (FGF21) Inhibited Morphine Preference and the Development of Morphine Dependence But Not Morphine – Induced Locomotion**
Authors: Olufolake Majekodunmi, Louben Dorval, Jean M. Bidlack, PhD
11. **Estheany Román Pagán**, *Universidad Ana G. Mendez- Recinto de Carolina*
Mentor: Craig N. Morrell, DVM, PhD
Title: **Lung Megakaryocytes as Regulators of the Immune Responses**
Authors: Estheany D. Román-Pagán, Daphne N. Pariser, Sara K. Ture, Craig N. Morrell, DVM, PhD

12. Brandon Sanders, Claflin College

Mentor: Ania K. Majewska, PhD

Title: The role of the microglial purinergic receptor P2Y₁₂ in microglial infiltration of the barrel cortex during postnatal development

Authors: Brandon Sanders, Rebecca Lowery, Brendan Whitelaw, Ania Majewska, PhD

13. Ketsia Seide, CUNY Hunter

Mentor: Joe V. Chakkalakal, PhD

Title: Consequences of Radiation Therapy on Juvenile and Adult Murine Skeletal Muscle

Authors: Ketsia Seide, John Bachman, Joe V. Chakkalakal, PhD

14. Jazmín Sotomayor Ortiz, University of Puerto Rico – Humacao University College

Mentor: Vera Gorbunova, PhD

Title: Assessment of Different Transfection Protocols of SIRT6 in Primary CNC

Authors: Jazmín Sotomayor Ortiz, Frances Zakusilo Tolibsoda, Vera Gorbunova, PhD, Andrei Seluanov, PhD