2019 MCIP Graduate Group Research Colloquium & Poster Session
Friday, September 20, 2019
GBSF 1005 & Lobby

9:00 am  Welcome –  Dr. Julie Bossuyt (MCIP Graduate Group Chair) & Dr. Karen Ryan and Vladimir Yarov-Yarovoy (Seminar Committee Chairs)

Internal fellowships opportunities – Dr. Aldrin Gomez

9:10 – 10:00 am  MCIP student talks (10 min each)
*Session Chair:* Dr. Vladimir Yarov-Yarovoy

1. Presentation by Maryam Moshref (Dr. Amir Kol lab)
*Recipient of the 2018-19 Irving J. Hertzendorf Memorial Award in Physiology*
*Department: Department of Pathology, Microbiology and Immunology (School of Veterinary Medicine)*
*Title: Working better together*

2. Presentation by Maryam Moshref (Dr. Amir Kol lab)
*Department: Department of Pathology, Microbiology and Immunology (School of Veterinary Medicine)*
*Title: Epigenetic Modification to Facilitate Reprogramming of Adult Canine Fibroblasts*

3. Presentation by Paige Mundy (Dr. Richard Connon lab)
*Department: Department of Anatomy, Physiology and Cell Biology (School of Veterinary Medicine)*
*Title: Development and application of a behavioral test for toxicity assessments in a critically endangered teleost species*

4. Presentation by Aki Chaffin (Dr. Karen Ryan lab)
*Department: Department of Neurobiology, Physiology and Behavior (College of Biological Sciences)*
*Title: A novel mechanism for FGF21 to decrease hepatic triglycerides*

10:00 – 10:20 am  Break

10:20 – 10:50 am  MCIP student talks (10 min each)
*Session Chair:* Maryam Moshref (Dr. Amir Kol lab)

1. Presentation by April Booth (Dr. Rebecca M. Calisi Rodríguez lab)
*Department: Department of Neurobiology, Physiology and Behavior (College of Biological Sciences)*
*Title: The effects of single parenthood on behavior and hypothalamic gene expression in the biparental species, Columba livia.*

2. Presentation by Arik Davidyan (Drs. Sue Bodine and Keith Baar labs)
*Department: Department of Neurobiology, Physiology and Behavior (College of Biological Sciences)*
*Title: Conducting research while thinking as an educator. Lessons from the classroom.*

3. Presentation by Carly Hennessey (Dr. Melanie Gareau lab)
Department: Department of Anatomy, Physiology and Cell Biology (School of Veterinary Medicine)
Title: The long-term effects of neonatal EPEC infection on the microbiota-gut-brain axis

10:50 – 11:00 pm  Break

11:00 – noon  
**Keynote Speakers:**
Milagros Copara, Ph.D., Rachel L. Reeves, Ph.D., Daniel Moglen, Ph.D.
UC Davis FUTURE Program
Title: The Changing Landscape of the PhD Workforce: Mapping 21st Century Career Exploration

noon – 1:00 pm  Lunch

1:00 – 2:00 pm  Poster presentations

2:00 – 3:00 pm  MCIP student and faculty talks (10 min each)
Session Chair: Collin Scott Tadashi Matsumoto (Dr. Luis Fernando Santana lab)

1. Presentation by Lu Ren (Dr. Nipavan Chiamvimonvat lab)
   **Department:** Department of Internal Medicine (School of Medicine)
   **Title:** Mechanisms of regulation of cardiac pacemaking activities

2. Presentation by Dr. Madeline Nieves-Cintron
   **Department:** Department of Pharmacology (School of Medicine)
   **Title:** Secondhand Smoke alters vascular smooth muscle excitability

3. Presentation by Chidera Alim (Dr. Julie Bossuyt lab)
   **Department:** Department of Pharmacology (School of Medicine)
   **Title:** Spatiotemporal regulation of Cardiac CaMKII

4. Presentation by Dr. Crystal M Ripplinger
   **Department:** Department of Pharmacology (School of Medicine)
   **Title:** The nervous heart: Sympathetic denervation and cardiac arrhythmias

5. Presentation by Collin Matsumoto (Dr. Luis Fernando Santana lab)
   **Department:** Department of Physiology and Membrane Biology (School of Medicine)
   **Title:** A stochastic model of ion channel cluster formation in the plasma membrane

6. Presentation by Dr. Kazuharu Furutani
   **Department:** Department of Physiology and Membrane Biology (School of Medicine)
   **Title:** Facilitation of hERG channels by blockers: a mechanism predicted to reduce the arrhythmogenic risk

3:00 – 3:10 pm  Break

3:10 – 4:10 pm  
**Keynote Speaker - Dr. David G. Drubin**
Professor of Cell and Developmental Biology
Co-Chair, Department of Molecular and Cell Biology
University of California, Berkeley
**Title:** From budding yeast to human stem cells: the cell biology of membrane trafficking and the cytoskeleton
4:10 – 4:15 pm  Closing remarks & announcements of Awards

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