

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 Cannon 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-Cintrón**
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

For more information please contact: Nicole Rabaud nerabaud@ucdavis.edu (530) 752-9092