TENTATIVE AGENDA

Sunday June 23, 2019

6:00-6:15PM Welcome and Opening Remarks

6:15-6:30PM Keynote Address: “New Frontiers in Kidney Research: Overview of the Field”
   Session Chair: Pablo Ortiz, PhD, Henry Ford Hospital, and a junior investigator
   Speaker: Donald Kohan, MD, Univ. of Utah

6:30PM Welcome Reception and Dinner

Monday June 24, 2019

8:00-10:00AM Session 1: Circadian biology of renal and cardiovascular and function
   Session Chair: Michelle Gumz, PhD, Univ. of Florida

8:00-8:25AM Circadian Influence on Renal and Cardiovascular Function
   Martin Young, PhD, Univ. of Alabama at Birmingham

8:25-8:50AM Control of sodium excretion and blood pressure by Bmal1 in rats
   Jermaine Johnston, Univ. of Florida

8:50-9:15AM Endogenous circadian rhythms in blood pressure, aldosterone, and vascular function in health and disease
   Saurabh Thosar, Oregon Health Sciences Univ.

9:15-10:00AM Four abstract-driven presentations by trainees and early career investigators

10:00 – 10:30AM Break

10:30-12:30PM Session 2: Renal consequences of obesity, metabolic syndrome and diabetes
   Session Chair: Lilach Lerman, MD, PhD, Mayo Clinic

10:30-10:55 AM Tentative Title: Obesity, ENaC and hypertension in mice
   Vivek Bhalla. MD, PhD, Stanford Univ.

10:55-11:20AM Insulin and glucose effects on renal Na handling
   Michael Brands, PhD, Augusta Univ.

11:20-11:45AM Renal mitochondrial injury in swine metabolic syndrome
   Alfonso Eirin, MD, Mayo Clinic

As of 2.25.19
11:45AM-12:30PM  Four abstract-driven presentations by trainees and early career investigators

12:30-1:30PM  Lunch

1:30-3:30PM  Workshop on sex and gender as research variables  
*Session Chair: Jennifer Sullivan, PhD and another senior scientist with a track record in sex and gender research.*

5:00-6:30PM  Poster Session 1

6:30-7:30PM  Dinner

7:30-9:10PM  Session 3: New signaling pathways in the control of renal function  
*Session Chair: Jen Pluznick, PhD, Johns Hopkins Univ. School of Medicine, and a senior investigator*

7:30-7:55PM  Extra sensory perception: novel receptors and metabolites in renal and cardiovascular function  
*Jennifer Pluznick, PhD, Johns Hopkins Univ. School of Medicine*

7:55-8:20PM  Tentative Title: Extra sensory perception: Role of sweet taste receptors in renal function  
*Pablo Ortiz, PhD, Henry Ford Hospital*

8:20-8:45PM  Tentative Title: Receptor mediated endocytosis in proximal tubule function  
*Ora Weisz, PhD, Pittsburgh Univ.*

8:45-9:10PM  Tentative Title 4: EGFR and Hippo pathway in renal function  
*TBA*

**Tuesday June 25, 2019**

8:00-10:00AM  Session 4: The new life of the JGA  
*Session Chair: Ruisheng Liu MD, PhD, Univ. of South Florida and senior investigator*

8:00-8:25 AM  New developments in macula densa cell function and imaging in vivo  
*Janos Peti-Peterdi, PhD, Univ. of Southern California*

8:25-8:50AM  Tentative Title: The control of renin exocytosis  
*Mariela Mendez, PhD, Henry Ford Hospital*

8:50-9:15AM  Novel integrative functions of the JG cells  
*Vladimir Todorov, PhD, Univ. Hospital Carl Gustav Carus, Technische Universität Dresden*

9:15-10:00AM  Four abstract-driven presentations by trainees and early career investigators
10:00–10:30AM  Break

10:30AM-12:30PM  Session 5: Immune system contributions to renal tubular transport, hemodynamics and hypertension
Session Chair: Michael Hultström, MD, PhD, Uppsala Univ.

10:30-10:55 AM  Tentative Title: Relationship of immune activation and oxidation on renal injury in hypertension
Hanna A. Itani, PhD, Vanderbilt Univ.

10:55-11:20AM  TNF-alpha in the regulation of renal ion transport
Nicholas Ferreri, PhD, NY Medical College

11:20-11:45AM  Immune mechanisms of renal injury in salt-sensitive hypertension
David Mattson, PhD, Medical College of Wisconsin

11:45AM-12:30PM  Four abstract-driven presentations by trainees and early career investigators

12:30-1:30PM  Lunch

1:30-5:00PM  Free Time

5:00-6:30PM  Poster Session 2

6:30-7:30PM  Dinner

7:30-9:10PM  Session 6: The kidney and hypertension
Session chair: Alexander Staruschenko, PhD, Medical College of Wisconsin

7:30-7:55PM  Tentative Title: Renal ion transport and hypertension phenotypes
TBA

7:55-8:20PM  Basolateral Kir4.1/Kir5.1 potassium channels in salt handling and blood pressure control
Alexander Staruschenko, PhD, Medical College of Wisconsin

8:20-8:45PM  The NO and superoxide balance hypothesis for afferent arterioles
Chris Wilcox, MD, Georgetown Univ.

8:45-9:10PM  The Potassium Switch in Sodium Metabolism and Blood Pressure
Paul Welling, MD, Univ. of Maryland

Wednesday June 26, 2019

8:00-10:00AM  Session 7: Autacoids and prostaglandins in renal function and disease
Session Chair: Michal Schwartzman, PhD, New York Medical College
8:00-8:25AM  Tentative Title: New roles for 20-HETE in renal hemodynamics and hypertension
*Victor Garcia, PhD, New York Medical College*

8:25-8:50AM  Autocrine actions of ET-1 on the renal medulla
*Kelly Hyndman, PhD, Univ. of Alabama at Birmingham*

8:50-9:15AM  Tentative Title: The function and significance of the nephron (pro)renin receptor
*Nirupama Ramkumar, MD, MPH, Univ. of Utah*

9:15-10:00AM  Four abstract-driven presentations by trainees and early career investigators

10:00–10:30AM  Break

**10:30AM-12:30PM**  Session 8: Polycystic kidney disease: biology of cystic kidney disorders
*Session Chair: P Darwin Bell, PhD, Univ. of Alabama at Birmingham and VA*

10:30-10:55 AM  Tentative Title: Biology of cystic kidney disorders
*Peter C. Harris, PhD, Mayo Clinic*

10:55-11:20AM  Tentative Title: Current concepts in the role of primary cilia in cystogenesis
*Bradley Yoder, PhD, Univ. of Alabama at Birmingham*

11:20-11:45AM  Tentative Title: Role of purinergic receptors and ENaC in cyst growth in PKD
*Tengis Pavlov, PhD, Henry Ford Hospital*

11:45AM-12:30PM  Four abstract-driven presentations by trainees and early career investigators

12:30-1:30PM  Lunch

1:30-5:00PM  Free Time

**5:00-6:30PM**  Poster Session 3

6:30-7:30PM  Dinner

**7:30-9:10PM**  Session 9: Purinergics in kidney function and disease
*Session Chair: Helle Praetorius, PhD, Aarhus Univ.*

7:30-7:55PM  Tentative Title: Purinergic signaling in renal disease
*Matthew Bailey, PhD, The Univ. of Edinburgh*

7:55-8:20PM  Tentative Title: P2 receptor-dependent regulation of medullary blood flow
*Claire M. Peppiatt-Wildman, PhD, Universities of Kent and Greenwich Chatham Maritime*

8:20-8:45PM  Tentative Title: P2 receptor–mediated regulation of collecting duct function
*James Stockand, PhD, Univ. of Texas Health Science Center at San Antonio*
Thursday June 27, 2019

8:00-10:00AM  Session 10: Salt, genetics, and epigenetics in kidney function
Session Chair: TBA

8:00-8:25 AM  Single and Multi-trait genome-wide association analyses in identifying kidney traits in selected populations
Nora Franceschini, MD, MPH, Univ. of North Carolina, Chapel Hill

8:25-8:50AM  Tentative Title: MicroRNA mediators of renal injury and chronic reno-cardiac syndrome
Alison Kriegel, PhD, Medical College of Wisconsin

8:50-9:15AM  New concepts in the genetics of renin
Ariel Gomez, MD, Univ. of Virginia

9:15-10:00AM  Four abstract-driven presentations by trainees and early career investigators

10:00–10:30AM  Break

10:30AM-12:30PM  Session 11: Causes and consequences of acute kidney injury
Session Chair: Pontus Persson, MD, Institut für Vegetative Physiologie

10:30-10:55 AM  Tentative Title: Heme oxygenase-1: From AKI to AVF
Leslie Gewin, MD, Vanderbilt Univ.

10:55-11:20AM  Tentative Title: Neural Circuits Controlling Inflammation in Acute Kidney Injury
Mark Okusa, MD, Univ. of Virginia

11:20-11:45AM  Role of S1P signaling in renal ischemia-reperfusion injury
Zhengrong Guan, MD, PhD, Univ. of Alabama at Birmingham

11:45-12:30PM  Four abstract-driven presentations by trainees and early career investigators

12:30PM  Closing Remarks