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
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 Renal Glucose Handling in Health and Disease: A Case for Olfactory Receptor 1393
Blythe Shepard, PhD, Georgetown Univ.

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: Peter Bie, MD, PhD, Univ. of Southern Denmark*

7:30-7:55PM NCC and ENaC: Facebook Friends or Linked (In) Together?
*Robert Hoover, MD, Emory Univ.*

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 Afferent arteriolar ROS: Protectors or weak links for the kidney in hypertension and CKD?
*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

As of 4.15.19
Thursday June 27, 2019

8:00-10:00AM  Session 10: Salt, genetics, and epigenetics in kidney function  
**Session Chair: Jeff Garvin, PhD, Case Western Reserve Univ.**

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  Epithelial beta-catenin signaling in the AKI to CKD Transition  
*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