



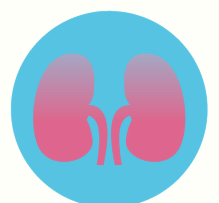
Basic Research Forum for Emerging Kidney Scientists

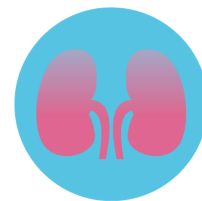
A Partnership between ASN and APS

Digital Forum
Wednesday, October 21st, 2020

Kidney Week Early Program

**KIDNEY
WEEK** 2020
REIMAGINED





03

PROGRAM SCHEDULE

All times in Eastern Daylight Time (UTC -4)

04

ORAL PRESENTATIONS SESSION 1

Tubular Transport and Hypertension

05

FIRESIDE CHAT DISCUSSION

Mentorship

06

ORAL PRESENTATIONS SESSION 2

Kidney Injury

07

ORAL PRESENTATIONS SESSION 3

*Chronic Kidney Disease, Mineral Metabolism,
and Immunology*

08

CAREER DEVELOPMENT

Round Table Discussions

09

DEBATE

"The chicken-and-egg of acute kidney injury:
nephron damage vs. vascular congestion"
Sylvie Breton, PhD and Paul O'Connor, PhD

10

LEADERSHIP & ACKNOWLEDGMENTS

PROGRAM SCHEDULE

• WEDNESDAY, OCTOBER 21ST, 2020 •
• EASTERN DAYLIGHT TIME (UTC -4) •

08:45 Welcome and Opening Remarks

09:00 Oral Presentations Session 1

Tubular Transport and Hypertension

10:30 Break

10:45 Fireside Chat: Mentoring and Being Mentored

11:45 Oral Presentations Session 2

Kidney Injury

12:55 Break

01:40 Oral Presentations Session 3

*Chronic Kidney Disease, Mineral Metabolism,
and Immunology*

02:50 Break

03:00 Career Development Round Tables

04:30 Debate

Sylvie Breton, PhD and Paul O'Connor, PhD

05:30 Closing Remarks

05:40 Adjourn

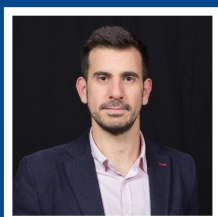
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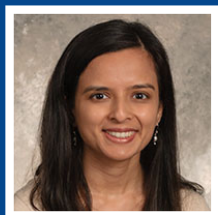
Oral Presentations Session 1

Tubular Transport and Hypertension

MODERATORS



JEAN-PHILIPPE BERTOCCHIO
University of Texas MD Anderson
Cancer Center



RONAK LAKHIA
University of Texas
Southwestern

10:45AM EDT

<https://kidneyweek.asn-online.org/>

SEYEDMOHAMMAD EBRAHIM TAHA EI

Johns Hopkins

Optical clearing and 3D-Imaging Reveals a Sexual Dimorphism in the Structure and Remodeling Response of the Distal Convolute Tubule

NATHAN ZAIDMAN

Johns Hopkins

Adhesion-GPCR Gpr116 (ADGRF5) Expression Inhibits Renal Acid Secretion

BIDISHA SAHA

University of California San Francisco

With-No-Lysine kinase 1 is required for regulation of ENaC by increasing extracellular potassium

MEGAN RHOADS

The University of Alabama at Birmingham

Food Availability and the Molecular Clock Regulate Diurnal Mean Blood Pressures and Sodium Excretion Rhythms in Rats

TING YANG

Duke University

Prostaglandin EP4 Receptors In Kidney Epithelial Cells Promote Resistance To Hypertension

NAGHMEH HASSANZADEH KHAYYAT

The University of Texas Health Science Center at Houston

ClC-K2 Cl⁻ channel determines acid-base transport and Cl⁻ reabsorption in intercalated cells of the collecting duct

HYUN JUN JUNG

Johns Hopkins

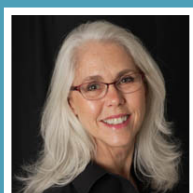
Architecture of the Distal Nephron Mineralocorticoid Receptor-Dependent Transcriptome Defined

PARKER WILSON

Washington University in St. Louis

Integrated Single Nucleus RNA and ATAC-seq Implicate cis-Regulatory Chromatin Interactions that Promote Gluconeogenesis in the Human Diabetic Proximal Tubule

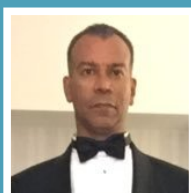
FACULTY EXPERTS



ALICIA MCDONOUGH, PHD
Professor of Physiology and Neuroscience
University of Southern California



MARK KNEPPER, MD PHD
Senior Investigator
National Heart, Lung, and Blood Institute (NIH)



ROBERT HOOVER, MD
Associate Professor of Medicine
Emory University



DARIA ILATOVSKAYA, PHD
Assistant Professor of Medicine
Medical University of South Carolina



PASCAL HOUILIER, MD PHD
Professor of Medicine
University of Paris Descartes



10:45AM EDT

<https://kidneyweek.asn-online.org/>

An open panel discussion on how to establish a productive mentor-mentee relationship. Panel participants will discuss and answer questions regarding their diverse experiences as mentors and mentees through their career development.



PANEL MEMBERS



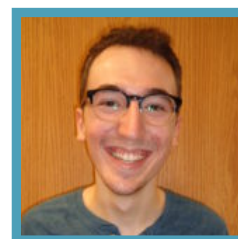
KELLY HYNDMAN, PHD
University of Alabama at Birmingham



KEISA MATHIS, PHD
University of North Texas Health
Science Center at Fort Worth



JENNIFER POLLOCK, PHD
University of Alabama at Birmingham



RUSTY HARTMAN, PHD STUDENT
University of North Texas Health
Science Center at Fort Worth



JAMIE LIN, MD
MD Anderson Cancer Center



MICHAEL DONNAN, MD
Northwestern University

MODERATOR



JENNIE LIN
Northwestern University



Oral Presentations Session 2

Kidney Injury

11:45AM EDT

<https://kidneyweek.asn-online.org/>

MODERATORS



ERYN DIXON

Washington University
in St. Louis



JIM MCCORMICK

Oregon Health and
Sciences University

PARAMITA PATI

The University of Alabama at Birmingham

Time restricted feeding reduces vascular and renal damage in mice on a chronic high fat diet

LETIZIA DE CHIARA

University of Florence

Tubular epithelial cell polyploidization is required to survive AKI but it contributes to CKD development

CORRY BONDI

University of Pittsburgh

Comprehensive investigation of HIF-1 activity in ischemic kidney injury

ADAM PEARSON

University of Zurich

High-Content Imaging of Kidney Cell Function to Elucidate Mechanisms of Antiviral Drug Toxicity

GUNARS OSIS

The University of Alabama at Birmingham

Myeloid lactate dehydrogenase A (LDHA) regulates macrophage polarization and promotes fibrosis in AKI

ASHLEY GRIFFIN

University of Mississippi

Rats with a History of Hypertension and Acute Kidney Injury during Pregnancy have Impaired Spatial Memory, Anxiety-Like Behavior, Evidence of Chronic Kidney Disease, and Hypertension in the Post-Partum Period

FACULTY EXPERTS



MARK OKUSA, MD
Professor of Medicine
University of Virginia



SARAH FAUBEL, MD
Professor of Medicine
University of Colorado



JENNIFER SULLIVAN, PHD
Professor of Physiology
Augusta University



SAMIR PARIKH, MD
Professor of Medicine
Beth Israel Deaconess Medical Center



Oral Presentations Session 1

Chronic Kidney Disease, Mineral Metabolism, and Immunology

1:40PM EDT

<https://kidneyweek.asn-online.org/>

MODERATORS



JERMAINE JOHNSTON
University of Florida



JEANIE PARK
Emory University

COURTNEY VISHY

University of Washington

Polycystin-1 Degradation in a PKD2^{-/-} Cellular Model

MARY BUNTEN

The University of Alabama at Birmingham

Identification of Proteins Associated with IgA1-containing Circulating Immune Complexes in Patients with IgA Nephropathy

KATHERINE XU

Columbia University

Novel Immune Defense Cells of the Kidney Epithelia

JOSHUA UHLORN

University of Arizona

Sex Differences in Response to Angiotensin II Identify Transcriptomic and Proteomic Changes in CD4⁺ T Cell Signaling Pathways along with Increased Renal Macrophage Infiltration and NCC Expression in the Distal Convolved Tubule

TANECIA MITCHELL

The University of Alabama at Birmingham

Macrophage immunometabolism is suppressed following oxalate and uropathogenic E.coli (UPEC) infection

VICTOR HUGO CANELA

Indiana University

Analysis of human jackstone protrusions show a protein-rich core, suggesting that proteins drive their rapid and linear growth

FACULTY EXPERTS



ALAN YU, MB B.CHIR.
Professor of Medicine
University of Kansas



KATHLEEN HERING-SMITH, PHD
Assistant Professor of Nephrology
Tulane University



ORSON MOE, MD
Professor of Medicine
UT Southwestern



XUNRONG LUO, MD PHD
Professor of Medicine
Duke University



3:00PM EDT

(See separate ASN email for link to individual breakout rooms)

Breakout Sessions

• 3:00 - 3:25 pm • 3:30 - 3:55 pm • 3:55- 4:00 pm •

- **Career development for students**

.....

- **Career development for postdocs and fellows**

.....

- **Career development for early career faculty**

.....

- **The work-life continuum**

.....

- **Diversity and Inclusion: Current Challenges, and How Can We Do Better?**

.....

- **Meet the Experts - Podocyte Posse**

.....

- **Meet the Experts - Tubular Talk**



4:30PM EDT

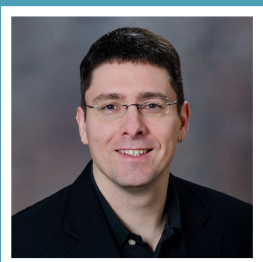
<https://kidneyweek.asn-online.org/>

THE CHICKEN-AND-EGG OF ACUTE KIDNEY INJURY INFLAMMATION VS VASCULAR CONGESTION

MODERATORS



MYKOLA MAMENKO
Augusta University

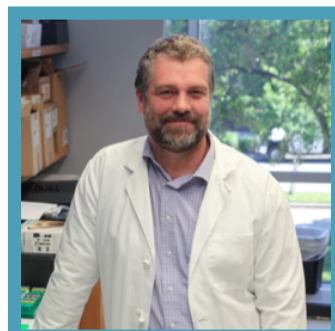


JIM MCCORMICK
Oregon Health & Science
University

SPEAKERS



SYLVIE BRETON, PHD
Emeritus Professor
Harvard University
Professor
Université Laval



PAUL O'CONNOR, PHD
Associate Professor
Department of Physiology
Augusta University

DEBATE SCHEDULE



SPEAKER INTRODUCTIONS BY THE MODERATORS

(5 Minutes)

PART 1: SPEAKER PRESENTATIONS

(15 Minutes Each)

PART 2: DEBATE

(15 Minutes)

PART 3: Q&A SESSION WITH THE AUDIENCE

(10 Minutes)

CONCLUDING REMARKS BY THE MODERATORS

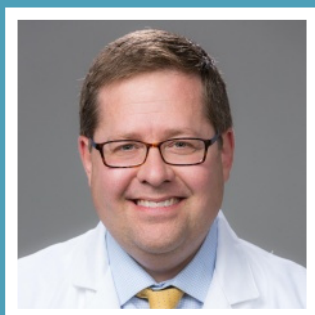
(2 Minutes)



CHAIRS

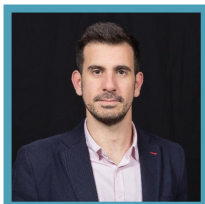


AYLIN RODAN
University of Utah



MATTHEW SPARKS
Duke University

2020



JEAN-PHILIPPE BERTOCCHIO
University of Texas MD Anderson
Cancer Center



ERYN DIXON
Washington University in St. Louis



MICHAEL DONNAN
Northwestern University



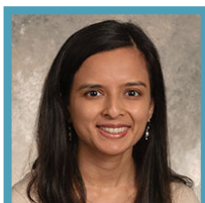
MICHELLE GUMZ
University of Florida



KELLY HYNDMAN
University of Alabama at Birmingham



JERMAINE JOHNSTON
University of Florida



RONAK LAKHIA
University of Texas Southwestern



JENNIE LIN
Northwestern University



MYKOLA MAMENKO
Augusta University



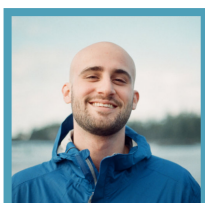
ELINOR MANNON
Augusta University



JAMES MCCORMICK
Oregon Health and Sciences University



JEANIE PARK
Emory University



IDO REFAELI
University of British Columbia



JOSHUA REIN
Mount Sinai



AROHAN SUBRAMANYA
University of Pittsburgh



JAMES STOCKAND
University of Texas Health Science Center



JING WU

Medical College of Wisconsin

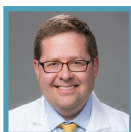


THANK YOU!

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Matt Sparks
 Arohan Subramanya



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Mike Donnan
 Jennie Lin
 Eryn Dixon
 Jean-Philippe Bertocchio
 Kelly Hyndman



CAREER DEVELOPMENT

Jennie Lin
 Elinor Mannon
 Michael Donnan
 Jeanie Park



ABSTRACTS AND PRESENTATIONS

Josh Rein
 James McCormick
 Ronak Lakhia
 Jean-Philippe Bertocchio
 Kelly Hyndman
 Mykola Mamenko
 Ido Refaeli
 Jim Stockand
 Michelle Gumz
 Jermaine Johnston



KEYNOTE / DEBATE

James McCormick
Mykola Mamenko
 Josh Rein
 Jeanie Park
 Jim Stockand
 Eryn Dixon



THANK YOU TO OUR VOLUNTEERS

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