The ASN Corporate Support Program recognizes supporters year round for their generous contributions to the Society. Through this program, supporters help ASN lead the fight against kidney diseases. ASN gratefully acknowledges the following companies and organizations for their contributions in 2019.

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- Baxter
- Fresenius Medical Care

- Orelapsa
- Tricida

**PLATINUM LEVEL**

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- Reata Pharmaceuticals

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- Janssen Pharmaceuticals, Inc.

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- Retrophin, Inc.

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- Amicus Therapeutics
- Cara Therapeutics
- Daiichi Sankyo, Inc.
- GSK

- KDIGO
- Rockwell Medical
- Sanofi Genzyme

As of August 19, 2019
TABLE OF CONTENTS

Kidney Week Mobile App 3
Schedule-at-a-Glance 4
Welcome 6
Accreditation, CE Credits, MOC Points 7
Certificates of Attendance for International Participants 8
Day-at-a-Glance: Tuesday, November 5 10
Day-at-a-Glance: Wednesday, November 6 12
Day-at-a-Glance: Thursday, November 7 14
Day-at-a-Glance: Friday, November 8 32
Day-at-a-Glance: Saturday, November 9 50
Scientific Exposition 64
Exhibitor Spotlights 66
Day-at-a-Glance: Sunday, November 10 69

Attention US Physicians

To ensure full compliance with the Open Payments (Physician Payments Sunshine Act), a provision of the Patient Protection and Affordable Care Act (PL 111-148), ASN reserves the right to provide information to applicable manufacturers and applicable GPOs about US physicians (and their spouses) who participate in selected ASN activities.

Section 6002 of the Affordable Care Act requires the establishment of a transparency program, now known as Open Payments. The program increases public awareness of financial relationships between drug and device manufacturers and certain healthcare providers. ASN makes reasonable attempts to collect and maintain the following information about its US physician members: 1) name and business address, 2) specialty, 3) National Provider Identification (NPI) number, and 4) state(s) professional license number and name of state(s) issuing license.

In the event that ASN receives payment from an applicable sponsor and the sponsor requests the reportable information from ASN, ASN will provide the information under the condition that the sponsor agrees to use the data only for reporting purposes covered under the Act and no other purpose.

US physicians have certain rights under this Act, and more information about these rights can be found at the resources listed below.

## Community Events

Quick, informal presentations by a variety of experts.

Hear from:
- Past winners of the Innovations in Kidney Education Contest
- Leading nephrologists and educators discussing a variety of topics like social media in nephrology
- Experts like Dr. Rodby and Dr. Lerma as they lead you on an exciting poster tour

Join an intimate group of your peers as you listen and partake in conversations.

### Thursday

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<tr>
<th>Time</th>
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<tr>
<td>10:00 – 10:30 a.m.</td>
<td>Continuous Renal Replacement Therapy Simulator</td>
<td>Kamalanathan K. Sambandam, MD*</td>
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<tr>
<td>10:30 – 11:00 a.m.</td>
<td>General &amp; Clinical Nephrology Poster Tour</td>
<td>Meet in the Lounge; Roger Rodby, MD, FASN and Edgar Lerma, MD, FASN</td>
</tr>
<tr>
<td>11:00 – 11:30 a.m.</td>
<td>Renal Pathology Web Episodes</td>
<td>Timothy Yau, MD*</td>
</tr>
<tr>
<td>12:00 – 12:30 p.m.</td>
<td>Glomcom Trivia and Case Conferences</td>
<td>Pravir V. Baxi, MD</td>
</tr>
<tr>
<td>1:00 – 1:30 p.m.</td>
<td>Leveraging Social Media for Your Career in Nephrology</td>
<td>Joel Topf, MD</td>
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<tr>
<td>10:00 – 10:30 a.m.</td>
<td>CRRT Virtual Patient Simulator Mobile App</td>
<td>Benjamin Griffin, MD*</td>
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<tr>
<td>11:00 – 11:30 a.m.</td>
<td>Navigating a Career in Medicine for Women in Nephrology</td>
<td>Silvi Shah, MD, MS, FASN</td>
</tr>
<tr>
<td>12:00 – 12:30 p.m.</td>
<td>Hemodialysis Access 101</td>
<td>Namrata Krishnan, MD*</td>
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<tr>
<td>1:00 – 1:30 p.m.</td>
<td>Nephro360: Virtual Reality and Gaming</td>
<td>Aleksandr Vasilyev, MD, PhD*</td>
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<tr>
<td>10:00 – 10:30 a.m.</td>
<td>Why you should be reading Renal Fellow Network</td>
<td>Matt Sparks, MD, FASN</td>
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<tr>
<td>11:00 – 11:30 a.m.</td>
<td>Q&amp;A with the new Kidney360 Editor-in-Chief</td>
<td>Michael Allon, MD, EIC</td>
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<tr>
<td>12:00 – 12:30 p.m.</td>
<td>NephSIM</td>
<td>Samira Farouk, MD, MS, FASN*</td>
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<tr>
<td>1:00 – 1:30 p.m.</td>
<td>ASN Communities Mobile App</td>
<td>Susan Willner, Manager, ASN Communities</td>
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Download the Kidney Week app now to get the most from your experience!

Navigate the meeting like a pro with the Kidney Week mobile app.
• Stay organized with up-to-the-minute session, exhibitor, and meeting information
• Receive important real-time communications from ASN
• Build a personalized schedule, and bookmark exhibitors
• Stay in-the-know, and join the social media dialogue
And much, much more!

The Kidney Week Mobile App is supported by
## Schedule-at-a-Glance

### Thursday, November 7

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### LEGEND

BCSS - Basic/Clinical Science Sessions  
CPS - Clinical Practice Sessions  
TS - Translational Sessions  
SS - Special Sessions
### Schedule-at-a-Glance

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- **Oral Abstract Sessions**
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- **Ask the Author**
- **Scientific Exposition**
- **Exhibitor Spotlights**

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- **Plenary Session**
- **BCSS, CPS, TS, SS**
- **Educational Symposia**
- **Oral Abstract Sessions**
- **Poster Sessions**
- **Ask the Author**
- **Scientific Exposition**
- **Exhibitor Spotlights**

**Sunday, November 10**

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- **Plenary Session and ASN Business Meeting**
- **BCSS, CPS, TS, SS**
- **High-Impact Clinical Trials**

**Welcome Reception**
Welcome to ASN Kidney Week

Bringing Discovery to People with Kidney Diseases
ASN proudly welcomes you to Kidney Week, the world’s premier nephrology meeting. Kidney professionals from around the globe will discuss and debate the latest scientific and medical advances that will build new paths to kidney health.

At ASN Kidney Week, the world’s leading experts share new approaches to healthcare, research, education, and policy. Participants have opportunities to network with fellow specialists, advance their careers, learn best practices for treating and improving the lives of people with kidney disease, and collaborate with colleagues from around the world.

Leading the fight against kidney diseases for over 50 years, ASN represents health professionals whose intellectual rigor, integrity, and ingenuity advance kidney research, treatment, and policy and improve the lives of millions of patients.

ASN Council
Mark E. Rosenberg, MD, FASN, President
Mark D. Okusa, MD, FASN, Past President
Anupam Agarwal, MD, FASN, President-Elect
John R. Sedor, MD, FASN, Secretary-Treasurer
Susan E. Quaggin, MD, FASN, Councilor
Barbara T. Murphy, MB BCH, Councilor
David H. Ellison, MD, FASN, Councilor
Prabir Roy-Chaudhury, MD, PhD, FASN, Councilor

Kidney Week Education Committee
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Linda Awdishu, PharmD
Laura Barisoni, MD
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Kirk N. Campbell, MD, FASN
Michel Chonchol, MD, FASN
Paul T. Conway
Ricardo Correa-Rotter, MD
Uta Erdbruegger, MD
Jennifer E. Flythe, MD, MPH, FASN
Linda F. Fried, MD, MPH, FASN
Keisha L. Gibson, MD, MPH, FASN
John S. Gill, MD
Morgan Grams, MD, PhD
Joost Hoenderop, PhD
Peter Igarashi, MD, FASN
Jon B. Klein, MD, PhD, FASN
Matthias Kretzler, MD
Philip K.T. Li, MD
Jonathan S. Maltzman, MD, PhD
Glen S. Markowitz, MD
Louise M. Moist, MD
Patrick H. Nachman, MD, FASN
Karl A. Nath, MD
Leif Oxburgh, PhD, DVM
Subramaniam Pennathur, MD
Mark A. Perazella, MD, FASN
Jennifer L. Pluznick, PhD
Jane F. Reckelhoff, PhD
Brad H. Rovin, MD, FASN
Prabhleen Singh, MD, MPH
Sandra J. Taler, MD
Katherine R. Tuttle, MD, FASN
Danielle Wentworth, APN
Alan S.L. Yu, MBChB
Learning Objectives
At the conclusion of this activity, participants will have increased knowledge in the field of nephrology and will be able to:
1. Identify recent discoveries in basic, translational, and clinical research in nephrology.
2. Construct new research questions based on updated scientific and clinical advances in nephrology-related disciplines.
3. Translate recent advances in the areas of general nephrology, dialysis, transplantation, and hypertension into new standards and approaches to clinical care of patients with kidney diseases and related disorders.

Target Audience
- Physicians
- PhDs and Other Researchers
- Medical and Other Trainees—including medical students, residents, graduate students, post-docs, and fellows
- Nurses and Nurse Practitioners
- Pharmacists
- Physician Assistants
- Other Healthcare Professionals

Continuing Medical Education Credits
The American Society of Nephrology (ASN) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

ASN designates this live activity for a maximum of 28.0 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The American Academy of Physician Assistants accepts certificates of participation for educational activities certified for AMA PRA Category 1 Credit™ from organizations accredited by ACCME or a recognized state medical society. Physician assistants may receive a maximum of 28.0 hours of Category 1 credit for completing this program.

Continuing Nursing and Pharmacy Education Credits
In support of improving patient care, this activity has been planned and implemented by the University of Minnesota, Interprofessional Continuing Education and the American Society of Nephrology, University of Minnesota, Interprofessional Continuing Education is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

This activity is awarded up to 28.0 ANCC and ACPE contact hours.

ASN values each participant’s review and comments on the quality of ASN’s educational activities. Please complete the evaluation at www.asn-online.org/cme by December 31, 2019. Instructions are available on the ASN website and at ASN Services in the Grand Lobby of the Walter E. Washington Convention Center.

Note: For Early Program credits, please refer to the program materials.
New! Maintenance of Certification (MOC) Points
The Kidney Week Annual Meeting now offers MOC Points for ABIM Diplomates with the completion of a reflective statement and commitment-to-change questions in this activity's evaluation. Instructions are available on the ASN website and ASN CME Center.

ABIM MOC Statement
Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 28.0 MOC points in the American Board of Internal Medicine’s (ABIM) Maintenance of Certification (MOC) program. Participants will earn MOC points equivalent to the amount of CME credits claimed for the activity. It is the CME activity provider’s responsibility to submit participant completion information to ACCME for the purpose of granting ABIM MOC credit.

Statement from ABIM
This course has been developed as an original and independent educational offering based on the public ABIM examination blueprint and is not approved or endorsed by ABIM. In accordance with ABIM policy, no ABIM Board members have been involved in the development of this course. ASN cannot guarantee that attending this course will result in passing the ABIM examination.

Disclosure Statement
It is the policy of the American Society of Nephrology (ASN) that all individuals in a position to control the content of ASN’s sponsored continuing education (CE) activities are expected to provide full disclosure for both themselves and their spouse/partner, and to indicate to the activity audience any financial or other relationship held by themselves or their spouse/partner 1) with the manufacturer(s) of any commercial product(s) and/or provider(s) of commercial service(s) discussed in an educational presentation; and 2) with any commercial supporter(s) of the activity. All responses should reflect activities within the previous 12 months. Furthermore, ASN requests all faculty to disclose at the time of their lecture any planned discussion of investigational and/or off-label use of pharmaceutical products or devices within their presentation. Participants should note that the use of products outside US Food and Drug Administration (FDA)-approved labeling should be considered experimental and are advised to consult current prescribing information for approval indications. The intent of this policy is not to prevent expert faculty with relevant relationship(s) with commercial interest(s) from involvement in CE, but rather to ensure that ASN CE activities promote quality and safety, are effective in improving medical practice, are based on valid content, and are independent of control from commercial interests and free of commercial bias. In addition, all faculty members were instructed to provide balanced, scientifically rigorous, and evidence-based presentations.

ASN requires all individuals in a position to control content for Kidney Week to complete disclosure forms. Responses are listed on the ASN website (www.ASN-online.org/kidneyweek/faculty) and displayed during sessions.

Certificates of Attendance for International Participants
For Early Programs, international participants can pick up printed Certificates of Attendance (not CME certificates for US participants) on Wednesday, November 6 at the programs.

For the Annual Meeting, international participants can access online Certificates of Attendance (not CME certificates for US participants) from November 7, 2019 through February 12, 2020 at https://register.asn-online.org/2019/certificateofattendance/. Certificates are only available if you have picked up your meeting materials or printed your meeting badge onsite. If you have questions, please visit ASN Services in the Grand Lobby of the convention center.
The Abstracts USB Drive offers a concise and effective way to view and archive abstracts. To get your complimentary USB Drive, take your USB voucher in your meeting bag to OPKO Pharmaceuticals, LLC at Booth #2027 in the exhibit hall. USBs are limited and are available while supplies last.

Abstract details are also available in the Kidney Week mobile app and on the ASN website.

ASN thanks the more than 350 volunteers who served as chairs and reviewers of the abstract process. Their names are listed on the ASN website.

The Abstracts USB Drives are supported by OPKO Renal.
DAY-AT-A-GLANCE: Tuesday, November 5

**Early Programs**

Each Early Program requires separate registration from the Annual Meeting.

- Acid-Base, Fluid, and Electrolyte Balance Disorders: Challenging Issues for Clinicians ................................................................. Room 147

- Advances in Research Conference: Machine Learning and Kidney Diseases .......... Room 145

- Critical Care Nephrology: 2019 Update .................................................................................................................. Ballroom A

- Diabetic Kidney Disease: Translating Pathogenic Mechanisms into Therapies ........ Room 151

  *Support is provided by an educational grant from Janssen Biotech, Inc., administered by Janssen Scientific Affairs, LLC.*

- Fundamentals of Renal Pathology.................................................................................................................. Room 140

- Glomerular Diseases Update 2019 .................................................................................................................. Ballroom C

- Kidney Transplantation ......................................................................................................................................... Ballroom B

  *In cooperation with the American Society of Transplantation.*

- Maintenance Dialysis ................................................................................................................................................ Room 152

For more details and updates, download the Kidney Week mobile app, or visit www.ASN-online.org/KidneyWeek.
Funding the cause. Finding the cure.
Make a difference. CureKidneyDiseases.org
DAY-AT-A-GLANCE: Wednesday, November 6

**Early Programs**

Each Early Program requires separate registration from the Annual Meeting.

- Acid-Base, Fluid, and Electrolyte Balance Disorders: Challenging Issues for Clinicians
  - Room 147
- Advances in Research Conference: Machine Learning and Kidney Diseases
  - Room 145
- Critical Care Nephrology: 2019 Update
  - Ballroom A
- Diabetic Kidney Disease: Translating Pathogenic Mechanisms into Therapies
  - Ballroom A
  - Room 151
  - *Support is provided by an educational grant from Janssen Biotech, Inc., administered by Janssen Scientific Affairs, LLC.*
- Evolving Concepts in Hypertension: Mechanisms, Management, and Future Directions
  - Room 146 A/B
- Fundamentals of Renal Pathology
  - Room 140
- Glomerular Diseases Update 2019
  - Ballroom C
- Kidney Transplantation
  - Ballroom B
  - *In cooperation with the American Society of Transplantation.*
- Maintenance Dialysis
  - Room 152
- Onco-Nephrology: Cancer, Chemotherapy, and the Kidneys
  - Room 150

**Medical Educators Workshop**

Leveraging the Science of Learning to Elevate Your Teaching

Room 144

For more details and updates, download the Kidney Week mobile app, or visit www.ASN-online.org/KidneyWeek.
Current Grants and Funding Opportunities

The Transition to Independence Grants Program (formerly the Career Development Grants Program) helps junior investigators develop independent research careers. KidneyCure is currently accepting applications for:

- Joseph V. Bonventre Research Scholar Grant
- Carl W. Gottschalk Research Scholar Grants
- John Merrill Grant in Transplantation
- Norman Siegel Research Scholar Grant in Pediatrics
- Oxalosis & Hyperoxaluria Foundation (OHF)-KidneyCure Grant

By submitting a Transition to Independence Grants application, candidates will be considered for any of the opportunities listed above.

The William and Sandra Bennett Clinical Scholars Program provides support for a clinician-educator to conduct a project to advance all facets of nephrology education and teaching.

The Ben J. Lipps Research Fellowship Program funds 10 fellows per year for up to two years to conduct original, meritorious research projects, including:

- Five Ben J. Lipps Research Fellows*
- One KidneyCure Fellow*
- One Sharon Anderson Research Fellow*
- One Joseph A. Carlucci Research Fellow*
- One Jared J. Grantham Research Fellow*
- One Dimitrios G. Oreopoulos Research Fellow
- One George B. Rathmann Research Fellow
- One Donald E. Wesson Research Fellow*

*will be funded in 2020

The ASN Pre-Doctoral Fellowship Program provides support for PhD students to conduct kidney-related research with guidance from a mentor.

Apply online
wwwASN-onlineorg/grants/

Application deadline
December 2, at 2:00 p.m. EST

For more information regarding KidneyCure grants and funding, please contact grants@asn-online.org.

TheTransition to Independence Grants Program is supported by contributions provided by ASN, Akebia Therapeutics, Inc., Amgen, and individual donors. The Ben J. Lipps Research Fellowship Program is fully endowed by contributions provided by Fresenius Medical Care, ASN, the American Renal Patient Care Foundation, Inc., Amgen, Baxter, and the PKD Foundation.
DAY-AT-A-GLANCE: Thursday, November 7

8:00 a.m. – 9:30 a.m.
Opening Plenary: President’s Address, President’s Medal, State-of-the-Art Lecture ....Hall D

9:30 a.m. – 2:30 p.m.
Morning Break (9:30 a.m. – 10:00 a.m.).................................Exhibit Halls A/B
Scientific Exposition and Posters (9:30 a.m. – 2:30 p.m.) ..................Exhibit Halls A/B
Poster Presentations by Authors (10:00 a.m. – 12:00 p.m.) ..............Exhibit Halls A/B
Fellows-in-Training Bowl: Elimination Rounds (10:30 a.m. – 12:30 p.m.) ....Exhibit Hall A

10:30 a.m. – 12:30 p.m.
Basic/Clinical Science Sessions
Computational Image Analysis: Shaping the Future of Nephropathology ..........Room 201
Glomerular and Tubular Origins of Albuminuria..............................................Room 146 C
Innovations of Dialysis Delivery .........................................................................Room 146 A/B
Modeling Human Kidney Development Using Organoids.............................Room 207

Clinical Practice Sessions
Getting a Handle on the Cause of Mesoamerican Nephropathy ....................Ballroom B
Hot off the Press: What’s New in Hypertension?..............................................Room 202
Kidney Stone Disease: Take Care of That Rock..............................................Room 145
Lupus Nephritis in Four Acts.............................................................................Ballroom A

Translational Sessions
European Nephrology Highlights: Updates from the 2019 ERA-EDTA Congress..Room 140
Needle Phobia: Kidney Transplant Biopsy Alternatives......................................Room 151
The Revolution Is Here: New Treatments for Diabetes and Kidney Diseases,
Including the Barry M. Brenner, MD, Endowed Lectureship.........................Ballroom C

Other Event
Forum on the Executive Order on Advancing American Kidney Health,
Particularly the Kidney Care Delivery Models ..............................................Room 206

12:45 p.m. – 1:45 p.m.
Educational Symposia (Marriott Marquis Washington, DC) - Doors open at 12:30 p.m.
Limited seating; first-come, first-serve to fully paid Annual Meeting participants.
Acute and Chronic Hyperkalemia: An Update on Management ...Marquis Ballroom, Salon 10
Contemporary Issues in CKD-MBD.................................................................Independence Ballroom
Improving Outcomes in Secondary Hyperparathyroidism....................Marquis Ballroom, Salon 6
Indications and Goals of Treatment in IgA Nephropathy and
Focal Segmental Glomerulosclerosis .........................................................Liberty Ballroom
Recognizing and Managing Atypical Hemolytic Uremic Syndrome in Complex Clinical Settings ................................Marquis Ballroom, Salon 5

2:00 p.m. – 4:00 p.m.
Basic/Clinical Science Sessions
AKI Repair, Nonrecovery, and Transition to CKD ........................................Ballroom B
Fibroblast Growth Factor 23 and Outcomes: New Answers, New Questions,
Including the Jack W. Coburn, MD, Endowed Lectureship.........................Room 145
Glomerular Biomarkers: Beyond Urine Proteins ...........................................Room 147
Linking Genotype to Phenotype in the Age of Big Data ....................................Room 206
Mitochondrial Dynamics and Dysfunction in Metabolic Disease .....................Room 146 C
New Biology of Intercalated Cells: Beyond Basic Acid Handling......................Room 151
Update on Clinical Trials in Transplantation Tolerance .....................................Room 152

Clinical Practice Sessions
Challenges and Opportunities in Vascular Access Care ..............................Room 143
Diet and Acid in CKD: Where Do We Stand? ...............................................Room 150
Is Dialysis Safe? A Critical Look at Hemodialysis and Peritoneal Dialysis
  in the United States......................................................................................Room 140
Management of CKD in Children ..................................................................Room 152
Nephrology Quiz and Questionnaire 2019 ....................................................Ballroom C
The Kidney-Brain Axis......................................................................................Room 146 A/B
To Treat or Not to Treat: Medication Toxicity and Clinical Conundrums ..........Salon A/B
2:00 p.m. – 4:00 p.m.

Translational Sessions
- Combating Kidney Diseases: Joint ASN-JSN Session............................................................... Salon C
  - Moving the Needle to the 21st Century .................................................................................. Room 201
- Unraveling Connections Between Obesity and Kidney Diseases......................................... Room 207
- Uromodulin: An Enigmatic Protein Still in Search of a Function ......................................... Room 144

4:00 p.m. – 4:30 p.m.

Afternoon Break .......................................................................................................... Meeting Room Foyers

4:30 p.m. – 6:30 p.m.

Basic/Clinical Science Sessions
- “Mighty” Chondrion: More than the Powerhouse of the Cell .............................................. Ballroom B
- Autosomal Dominant Tubulointerstitial Kidney Disease......................................................... Room 147

Clinical Practice Session
- Clinical Trials in Glomerular Disease: Famine to Feast? ....................................................... Ballroom A

Special Session
- Professional Development Session: Identifying and Navigating Your Career Path ................ Room 140

Oral Abstract Sessions
- Advances in Fluid and Electrolyte Handling: Basic Physiology ........................................ Room 146 C
- AKI: Mechanisms - Injury and Repair ...................................................................................... Salon A/B
- Anemia and Iron Metabolism: Clinical Research ................................................................. Room 150
- Bioengineering ...................................................................................................................... Room 146 A/B
- Bone and Mineral Metabolism: Basic Research ................................................................. Room 145
- CKD: Clinical, Outcomes, and Trials ..................................................................................... Room 202
- Diabetic Kidney Disease: Discovery of Molecular Mechanisms ........................................ Room 207
- Fluid and Electrolytes: Clinical Research ............................................................................. Room 144
- Glomerular Diseases: Fibrosis and Extracellular Matrix ..................................................... Salon C
- Home Dialysis ....................................................................................................................... Room 143
- Hypertension and CVD: Therapies and Predictors ............................................................. Room 206
- Mostly IgA Nephropathy ....................................................................................................... Ballroom C
- Pediatric Nephrology Research ............................................................................................. Room 152
- Policy and Pretransplant Considerations ............................................................................. Room 151
- Vascular Access and Complications of Hemodialysis ......................................................... Room 201

6:30 p.m. – 7:30 p.m.

Welcome Reception ........................................................................................................... Exhibit Hall A

For more details and updates, download the Kidney Week mobile app, or visit www.ASN-online.org/KidneyWeek.
Thursday, November 7, 8:00 a.m. – 9:30 a.m.

Opening Plenary: President’s Address, President’s Medal, State-of-the-Art Lecture ...................... Hall D
Support is provided by an educational grant from Akebia Therapeutics.

8:00 a.m.  President’s Address – Mark Rosenberg
8:35 a.m.  ASN Diamond Level Corporate Supporters Recognition
8:40 a.m.  President’s Medal – US Department of Health & Human Services
8:50 a.m.  State-of-the-Art Lecture “Rewriting the Code of Life: The Future of Genome Editing” – Jennifer Doudna

Thursday, November 7, 10:30 a.m. – 12:30 p.m.

Computational Image Analysis: Shaping the Future of Nephropathology ................................. Room 201
Moderators: Clarissa Cassol, Pinaki Sarder

10:30 a.m.  Same Histology New Pathology: Structural Changes Predict Molecular Pathway Activation – Jeffrey Hodgkin
11:00 a.m.  Quantitative Image Analysis: Going Subvisual – Ulisses Balis
11:30 a.m.  Machine-Human Interactive Protocols: How Close Are We? – Vijaya Kolachalama
12:00 p.m.  Biomedical Imaging Ontologies to Promote Interoperability of Heterogeneous Data – John Tomaszewski

Glomerular and Tubular Origins of Albuminuria ......................................................................... Room 146 C
Moderators: Janos Peti-Peterdi, Nirupama Ramkumar

10:30 a.m.  Podocyte-Specific KLF15 Expression Attenuates Renal Injury in Proteinuric Kidney Disease – Sandeep Mallipattu
11:00 a.m.  Non-Proximal Tubule Effects of SGLT2 Inhibitors – Carlamaria Zoja
11:30 a.m.  Imaging Approaches to Quantify Proximal Tubule Protein Endocytosis – Andrew Hall
12:00 p.m.  The Fate of Tubular Albumin in Proteinuric Disorders – Ora Weisz

Innovations of Dialysis Delivery ............................................................................................... Room 146 A/B
Moderators: Victor Gura, Cheuk-Chun Szeto
Patient Voice/Commentator: Melissa Bensouda

10:30 a.m.  Innovations of Dialysis Delivery: Looking into the Future – Joseph Bonventre
11:00 a.m.  How to Achieve More Affordable and Environmentally Friendly Dialysis? – John Knight
11:30 a.m.  Innovations in Vascular Access – Prabir Roy-Chaudhury
12:00 p.m.  A Collaborative Stakeholder Approach to Innovation – Jennifer Flythe

Modeling Human Kidney Development Using Organoids ............................................................. Room 207
Moderators: Edward Kelly, Ryuji Morizane

10:30 a.m.  Morphological and Genetic Design Targets for Organoid Development – Andrew McMahon
11:00 a.m.  Vascularization of Kidney Organoids – Ton Rabelink
11:30 a.m.  The Extracellular Environment Required for Nephrogenesis – Rachel Lennon
12:00 p.m.  Bioengineering Functional Kidney Tissue – Jennifer Lewis

Getting a Handle on the Cause of Mesoamerican Nephropathy .................................................. Ballroom B
Moderators: Magdalena Madero, Annika Wernerson

10:30 a.m.  The Epidemic of Mesoamerican Nephropathy – Ramon Garcia-Trabanino
11:00 a.m.  The Histopathology of Mesoamerican Nephropathy – Julia Wijkstrom
11:30 a.m.  A Nephrotoxin is the Primary Cause of Kidney Injury – Marc De Broe
12:00 p.m.  Heat Stress and Uric Acid Underlie Kidney Injury – Richard Johnson

Hot off the Press: What's New in Hypertension? ................................................................. Room 202
Moderators: Joachim Ix, Elaine Ku

10:30 a.m.  SPRINT-MIND: Effects of Intensive BP Targets on Cognitive Function and Dementia – Jeff Williamson
11:00 a.m.  SPRINT ASK: The SPRINT Alzheimer's, Seniors, and Kidney Study – Mahboob Rahman
11:30 a.m.  HARMONY and Other Studies: Does Time of Dosing of Antihypertensive Medication Matter? – Rajiv Agarwal
12:00 p.m.  KDIGO Guideline on Blood Pressure in CKD – Alfred Cheung
Thursday, November 7, 10:30 a.m. – 12:30 p.m.

Kidney Stone Disease: Take Care of That Rock ................................................................. Room 145
Moderators: Berenice Gitomer, David Goldfarb

10:30 a.m.  Urine Supersaturation and Stone Risk – Elaine Worcester
11:00 a.m.  Urine Proteomic Profiling in Patients with Nephrolithiasis – Craig Langman
11:30 a.m.  Diet Protein, Potassium, and Kidney Stone Risk – Khashayar Sakhaee
12:00 p.m.  Obesity, Bariatric Surgery, and Kidney Stones – John Lieske

Lupus Nephritis in Four Acts .............................................................................................. Ballroom A
Moderators: Isabelle Ayoub, Liz Lightstone

10:30 a.m.  Lupus Nephritis: The Expanding Role of the Repeat Kidney Biopsy – Ana Malvar
11:00 a.m.  Viruses and Autoimmunity – Lorraine Harper
11:30 a.m.  Beyond Rituximab: Other B-Cell Targets in Lupus Nephritis – Yoe Kie Onno Teng
12:00 p.m.  Where Do Calcineurin Inhibitors Fit in the Management of Lupus Nephritis –
Tak Mao Chan

European Nephrology Highlights: Updates from the 2019 ERA-EDTA Congress............... Room 140
ASN thanks the ERA-EDTA for assistance with this session.
Moderators: Annette Bruchfeld, Carmine Zoccali

10:30 a.m.  Translational Nephrology – Giovambattista Capasso
11:00 a.m.  Clinical Nephrology – Ziad Massy
11:30 a.m.  Dialysis – Peter Blankestijn
12:00 p.m.  Transplantation – Marta Crespo

Needle Phobia: Kidney Transplant Biopsy Alternatives ................................................. Room 151
Moderators: Darshana Dadhania, Roslyn Mannon

10:30 a.m.  Is Biopsy Still the Gold Standard? – Mei Lin Bissonnette
11:00 a.m.  Cell-Free DNA – Roy Bloom
11:30 a.m.  Urinary Chemokines – Peter Heeger
12:00 p.m.  Molecular Biomarkers in the Peripheral Blood – John Friedewald

The Revolution Is Here: New Treatments for Diabetes and Kidney Diseases,
Including the Barry M. Brenner, MD, Endowed Lectureship .................................... Ballroom C
ASN gratefully acknowledges Monarch Pharmaceuticals for support of the Barry M. Brenner, MD,
Endowed Lectureship. ASN thanks the American Diabetes Association for assistance with this session.
Support is provided by an educational grant from Janssen Biotech, Inc., administered by Janssen
Scientific Affairs, LLC.
Moderators: Adeera Levin, Susanne Nicholas

10:30 a.m.  Diabetic Kidney Disease: Structural-Functional Relationships and the Possibilities of
Cure - The Barry M. Brenner, MD, Endowed Lectureship – Michael Mauer
11:00 a.m.  Kidney and Cardiovascular Effects of SGLT-2 Inhibitors – Christoph Wanner
11:30 a.m.  Kidney and Cardiovascular Effects of Glucagon-Like-1 Receptor Agonists –
Mark Cooper
12:00 p.m.  SGLT2 Inhibitors and GLP-1 Receptor Agonists: Which Medications for Which
Patients? – David Cherney

Thursday, November 7, 12:45 p.m. – 1:45 p.m.

Educational Symposia (Marriott Marquis Washington, DC) – Doors open at 12:30 p.m.
Lunch is provided. Limited seating: first-come, first-serve to fully paid Annual Meeting participants.

Acute and Chronic Hyperkalemia: An Update on Management.............................. Marquis Ballroom, Salon 10
Support is provided by an educational grant from AstraZeneca Pharmaceuticals LP.

12:45 p.m.  Introduction – Manoocher Soleimani, Moderator
12:55 p.m.  How Dangerous Is Hyperkalemia? – John Montford
1:15 p.m.  Therapeutic Interventions for the Prevention and Treatment of Hyperkalemia –
Linda Fried
1:35 p.m.  Questions & Answers

Contemporary Issues in CKD-MBD........................................................................... Independence Ballroom
Support is provided by an educational grant from Fresenius Medical Care Renal Therapies Group.

12:45 p.m.  Introduction – Bryan Kestenbaum, Moderator
12:55 p.m.  Hidden in Plain Sight: Dietary Sources of Phosphorus – Richard Sherman
1:15 p.m.  MBD Guidelines and Quality Improvement Program: Anything Changed in Clinical
Practice? – Rajiv Saran
1:35 p.m.  Questions & Answers
Thursday, November 7, 12:45 p.m. – 1:45 p.m.

Improving Outcomes in Secondary Hyperparathyroidism .............................................. Marquis Ballroom, Salon 6
This activity is supported by educational funding provided by Amgen.

12:45 p.m.  Introduction – Sana Khan, Moderator
12:55 p.m.  The Biology of the Calcium-Sensing Receptor and Its Role in SHPT – Holly Kramer
1:15 p.m.  Managing Hyperparathyroidism in Hemodialysis: The Role of Calcimimetics – Kevin Martin
1:35 p.m.  Questions & Answers

Indications and Goals of Treatment in IgA Nephropathy and Focal Segmental Glomerulosclerosis .......................................................... Liberty Ballroom
Support is provided by an educational grant from Retrophin, Inc.

12:45 p.m.  Introduction – Barbara Gillespie, Moderator
12:55 p.m.  Indications and Goals of Treatment in IgA Nephropathy – Jürgen Floege
1:15 p.m.  Indications and Goals of Treatment in FSGS – Laura Mariani
1:35 p.m.  Questions & Answers

Recognizing and Managing Atypical Hemolytic Uremic Syndrome in Complex Clinical Settings ............................................. Marquis Ballroom, Salon 5
Support is provided by an educational grant from Alexion Pharmaceuticals, Inc.

12:45 p.m.  Introduction – Pieter Paassen, Moderator
12:55 p.m.  Pathogenesis and Diagnosis of aHUS – Sjoerd Timmermans
1:15 p.m.  Approach to the Treatment of aHUS – Andrew Siedlecki
1:35 p.m.  Questions & Answers

Thursday, November 7, 2:00 p.m. – 4:00 p.m.

AKI Repair, Nonrecovery, and Transition to CKD .............................................................. Ballroom B
Moderators: Zheng Dong, Kelly Hyndman

2:00 p.m.  Molecular Characterization of AKI to CKD Transition – Sanjeev Kumar
2:30 p.m.  Proximal Tubular Signaling in AKI and CKD – Leslie Gewin
3:00 p.m.  Epithelial Cell Plasticity in Repair from AKI – Benjamin Humphreys
3:30 p.m.  Hemodynamic Mechanisms of Progression from AKI to CKD – Aaron Polichnowski

Fibroblast Growth Factor 23 and Outcomes: New Answers, New Questions, including the Jack W. Coburn, MD, Endowed Lectureship ........................................... Room 145
ASN gratefully acknowledges Amgen for support of the Jack W. Coburn, MD, Endowed Lectureship.
Moderators: Tamara Isakova, Carsten Wagner

2:00 p.m.  Physiology and Pathophysiology of FGF23 – Orson Moe
2:30 p.m.  Genetic Variants Associated with Circulating FGF23 – Bryan Kestenbaum
3:00 p.m.  Historical Perspective in the Understanding of CKD-MBD: From Calcium to FGF-23 - The Jack W. Coburn, MD, Endowed Lectureship – Sharon Moe
3:30 p.m.  A Randomized Phase 3 Trial Evaluating the Efficacy of Burosumab in X-Linked Hypophosphatemia – Thomas Carpenter

Glomerular Biomarkers: Beyond Urine Proteins ............................................................... Ballroom A
Moderators: Helen Liapis, Pierre Ronco

2:00 p.m.  Urinary Leukocytes as Biomarkers of Glomerular Disease – Philipp Enghard
2:30 p.m.  Urinary microRNAs as Biomarkers of Glomerular Disease – Cheuk-Chun Szeto
3:00 p.m.  Urinary MicroRNAs as Biomarkers of Glomerular Disease – Ariela Benigni
3:30 p.m.  Urinary Metabolites as Biomarkers of Glomerular Disease – Hans Anders

Linking Genotype to Phenotype in the Age of Big Data ..................................................... Room 147
Moderators: Moumita Barua, Rasheed Gbadegesin

2:00 p.m.  The Mechanism in Sight: Spectrum of Monogenetic Diseases Genes Define Cellular Mechanism – Friedhelm Hildebrandt
2:30 p.m.  PheWAS: Mapping Population-Level Genetic and Phenotypic Datasets for Mechanistic Disease Insights – Nancy Cox
3:00 p.m.  Defining Genetic Risk Across Global Populations: Mechanistic Insight in IgAN – Ali Gharavi
3:30 p.m.  Systems Genetics of Glomerular Disease: Linking Genes, Endophenotypes, and Long-Term Outcomes in FSGS – John Sedor
Mitochondrial Dynamics and Dysfunction in Metabolic Disease ................................................. Room 206
Moderators: John He, Rick Schnellmann

2:00 p.m. Mitochondrial Control of Immunity – Benjamin Singer
2:30 p.m. Molecular Link Between Ion Channels and Mitochondria in Inflammatory Signaling – Muniswamy Madesh
3:00 p.m. Redox Perturbations in Renal Tubular Injury in Diabetes and Obesity – Farhad Danesh
3:30 p.m. Mitochondrial Dysfunction and Signaling in Diabetic Kidney Disease – Josephine Forbes

New Biology of Intercalated Cells: Beyond Basic Acid Handling ................................................. Room 146 C
Moderators: Nuria Pastor-Soler, Susan Wall

2:00 p.m. WNK4 Regulation of Intercalated Cell Function – Régine Chambrey
2:30 p.m. Hormonal Regulation of Bicarbonate Secretion in Beta Intercalated Cells – Jens Leipziger
3:00 p.m. TRPV4 and Tubular Flow Regulation of the H+/K+-ATPase – Oleh Pochynyuk
3:30 p.m. The P2Y14 Receptor: Linking the Intercalated Cell to Immune Defense – Sylvie Breton

Update on Clinical Trials in Transplantation Tolerance ................................................................. Room 151
Moderators: Sindhu Chandran, Alexander Wiseman

2:00 p.m. Biomarkers to Measure Tolerance – Kenneth Newell
2:30 p.m. Inducing Mixed Chimerism for Allograft Tolerance – Samuel Strober
3:00 p.m. Using T Regulatory Cell Therapy for Transplant Tolerance – Qizhi Tang
3:30 p.m. Senescence and Exhaustion as Markers of Tolerance – Marie-Josee Hebert

Challenges and Opportunities in Vascular Access Care ............................................................. Room 143
Moderators: Michael Allon, Yan-Ting Shiu

2:00 p.m. Individualized Approach to Vascular Access: Right Access, Right Patient, Right Time, Right Reason – Charmaine Lok
2:30 p.m. Maintenance of a Functional Access: What Can We Do Better – Monnie Wasse
3:00 p.m. Vascular Access Care from the Patient Perspective – Emaad Abdel-Rahman
3:30 p.m. Vascular Access of the Last Resort – Tushar Vachharajani

Diet and Acid in CKD: Where Do We Stand? ........................................................................... Room 150
Moderators: Julia Scialla, Angela Yee Moon Wang
Patient Voice/Commentator: Dale Rogers

2:00 p.m. Sugar-Sweetened Beverages, Diet Soda, and Coffee: Beverage Choices and CKD Risk – Casey Rebholz
2:30 p.m. Plant-Based Diets: Pros and Cons in CKD – Juan Carrero
3:00 p.m. Phosphorus Restriction in CKD and ESRD: Where Is the Evidence? – Myles Wolf
3:30 p.m. Metabolic Acidosis in CKD: The Holy Grail or Much Ado About Nothing? – Kalani Raphael

Is Dialysis Safe? A Critical Look at Hemodialysis and Peritoneal Dialysis in the United States ...................................................................................................................... Room 140
ASN thanks the Nephrologists Transforming Dialysis Safety Project and the Centers for Disease Control and Prevention for assistance with this session.
Moderators: Renee Garrick, Leslie Wong

2:00 p.m. Am I Safe in Your Dialysis Unit? A Patient's Perspective – Derek Forfang
2:30 p.m. Human Factors Engineering: Why Do Some Dialysis Units Perform Better than Others? – Alan Kliger
3:00 p.m. Strategies to Prevent Transmission of MDROs and Clostridium difficile in Outpatient Hemodialysis Units – Erika D’Agata
3:30 p.m. Insights into Reducing Infections in Peritoneal Dialysis: The OPPUS Consortium – Jeffrey Perl

Management of CKD in Children .................................................................................................. Room 152
Moderators: Michelle Denburg, Andrew South

2:00 p.m. CKD Staging in Children: Does This Affect Our Care? – Mark Mitsnefes
2:30 p.m. Anemia in Pediatric CKD: What’s New? – Meredith Atkinson
3:00 p.m. A House with Good Bones: Metabolic Bone Disease in Children with CKD – Dorey Glenn
3:30 p.m. Intervention Trials in Pediatric CKD: Low Fruit and High Trees – Katherine Dell
Thursday, November 7, 2:00 p.m. – 4:00 p.m.

Nephrology Quiz and Questionnaire 2019 ......................................................................................... Ballroom C
Moderators: Michael Choi, Mark Perazella
2:00 p.m. Electrolyte and Acid-Base Disturbances – Qi Qian
2:30 p.m. Glomerular Diseases – Jonathan Hogan
3:00 p.m. Transplantation – Roslyn Mannon
3:30 p.m. Renal Replacement Therapy – Louise Moist

The Kidney-Brain Axis ....................................................................................................................... Room 146 A/B
Moderators: Rasheeda Hall, Daniel Weiner
2:00 p.m. Prevalence of, Screening, and Diagnosing Cognitive Dysfunction in ESRD Patients – Mark Unruh
2:30 p.m. To Describe the Influence of Uremia, Fluid Removal, and Ischemic Injury on Cognitive Decline in ESRD – Christopher McIntyre
3:00 p.m. Peritoneal Dialysis Versus Hemodialysis in Cognitive Decline – Dawn Wolfgram
3:30 p.m. To Describe Possible Mitigators and Treatments for Cognitive Decline Among Patients on Dialysis – Mara McAdams-DeMarco

To Treat or Not to Treat: Medication Toxicity and Clinical Conundrums ......................... Salon A/B
Moderators: Thomas Nolin, Tessa Novick
2:00 p.m. Toxicity of Checkpoint Inhibitors – David Leaf
2:30 p.m. Opiates, Marijuana, and More: Pain Management in CKD – David Juurlink
3:00 p.m. Treating Osteoporosis in Advanced CKD: Bisphosphonates and Beyond – Susan Ott
3:30 p.m. Direct-Acting Oral Anticoagulants in CKD: Are They Safe? – Kevin Chan

Combating Kidney Diseases: Joint ASN-JSN Session ................................................................. Salon C
ASN thanks the Japanese Society of Nephrology for assistance with this session.
Moderators: Naoki Kashihara, Mark Okusa
2:00 p.m. Erythropoietin-Producing Cells in Kidney Fibrosis – Motoko Yanagita
2:30 p.m. Oxidative Stress in AKI – Subhashini Bolisetty
3:00 p.m. Oxygen Metabolism in AKI and CKD – Masaomi Nangaku
3:30 p.m. Neuro-Immune Regulation in Kidney Diseases – Shinji Tanaka

From Classification to Morpho-omic Taxonomies: Moving the Needle to the 21st Century .... Room 201
Moderators: Avi Rosenberg, Astrid Weins
2:00 p.m. Standardization of Analytics for Modern Nephropathology: Paving the Way for Integrated Pathology – Joseph Gaut
2:30 p.m. Characterization of Nephrotic Syndrome: What Are We Learning from Deep Learning? – Laura Mariani
3:00 p.m. Lupus Nephritis: In Need of an Evidence-Based Clinical Decision Support Resource – Brad Rovin
3:30 p.m. Integrated Pathology in Thrombotic Microangiopathy: Can We Help Clinical Trials? – Sanjeev Sethi

Moderators: Joseph Gigliotti, Scott Liebman
2:00 p.m. The Physiology Behind the Effect of Exercise on Hypertension and Kidney – Daniilee Kirkman
2:30 p.m. Adipose Tissue and Modulation of Hypertension – Hoon-Ki Sung
3:00 p.m. Novel Avenues to Treat Hypertension and Kidney Diseases with Diet – Thu Le
3:30 p.m. Microbiome and Hypertension: An Evolving Story – Andras Balogh

Unraveling Connections Between Obesity and Kidney Diseases ...........................................Room 207
Moderators: Kamyar Kalantar-Zadeh, Subramaniam Pennathur
2:00 p.m. Direct and Indirect Effects of Adiposity on the Kidney – Holly Kramer
2:30 p.m. Obesity, Podocyte Depletion, and Risk for Allograft Loss – Abhijit Naik
3:00 p.m. Lifestyle, Medical, and Surgical Management of Obesity in CKD – Allon Friedman
3:30 p.m. Bariatric Surgery: Weight Loss, Diabetes, and Beyond – Philip Schauer
Thursday, November 7, 2:00 p.m. – 4:00 p.m.

**Uromodulin: An Enigmatic Protein Still in Search of a Function** ................................................................. Room 144
Moderators: Alessia Fornoni, Luca Musante

- 2:00 p.m. The Genetics of Uromodulin – Anna Kottgen
- 2:30 p.m. An Overview of Uromodulin in Kidney Diseases and Its Regulation of Tubular Function – Eric Olinger
- 3:00 p.m. Serum Uromodulin as a Potential Marker of Prognosis – Dominik Steubl
- 3:30 p.m. The Immune Modulatory Role of Uromodulin in AKI – Tarek El-Achkar

Thursday, November 7, 4:30 p.m. – 6:30 p.m.

**“Mighty” Chondrion: More than the Powerhouse of the Cell** ................................................................. Ballroom B
Moderators: Sarah Huen, Sandeep Mallipattu

- 4:30 p.m. Mitochondrial Bioenergetics in Kidney Diseases – Prabhleen Singh
- 5:00 p.m. Mitochondrial Biogenesis in AKI – Mei Tran
- 5:30 p.m. Mitochondrial Quality Control in AKI – Zheng Dong
- 6:00 p.m. Determinants of Mitochondrial Function in Septic AKI – Mary Choi

**Autosomal Dominant Tubulointerstitial Kidney Disease** ................................................................. Room 147
Moderators: Emilie Cornec-Le Gall, Matthias Wolf

- 4:30 p.m. Genetic Heterogeneity and Diagnosis of ADTKD – Anthony Bleyer
- 5:00 p.m. Mechanisms of Renal Damage in UMOD-Related ADTKD – Luca Rampoldi
- 5:30 p.m. Roles of MUC1 in Tubular Physiology and Injury – Rebecca Hughey
- 6:00 p.m. Pathogenesis of HNF1B-Related Kidney Diseases – Marco Pontoglio

**Clinical Trials in Glomerular Disease: Famine to Feast?** ................................................................. Ballroom A
Moderators: Fernando Fervenza, Duvuru Geetha

- 4:30 p.m. Targeted Pathways of Emerging Therapies in Glomerular Disease – Kirk Campbell
- 5:00 p.m. Clinical Trials in ANCA Vasculitis – Frank Cortazar
- 5:30 p.m. Clinical Trials in IgA Nephropathy – Dana Rizk
- 6:00 p.m. Clinical Trials in FSGS: Opportunities and Challenges – Debbie Gipson

**Professional Development Session: Identifying and Navigating Your Career Path** .................. Room 140
ASN thanks its Career Advancement Committee and Women in Nephrology for assistance with this session.
Moderators: Kerry Cho, Kambiz Kalantari

- 4:30 p.m. Am I on the Right Track? Research, Clinical, Education – Qi Qian
- 5:00 p.m. Contract and Salary Negotiations: Academia and Private Practice – Ellie Kelepouris
- 5:30 p.m. Building a Mentor Network – Delbert Wigfall
- 6:00 p.m. Career Challenges Panel: Work-Life Integration and Time Management – Cybele Ghossein, John Roberts, Lisa Robinson, Craig Alan Shadur
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Authors</th>
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<tbody>
<tr>
<td>4:30 p.m.</td>
<td>TH-OR001</td>
<td>Osmolarity-Dependent Gene Expression Enables Spatial Resolution of Cells from Whole Kidney Single Cell RNA Data</td>
<td>Christian Hinze</td>
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<tr>
<td>4:42 p.m.</td>
<td>TH-OR002</td>
<td>The Hypertension Induced by Renal Snx5 Silencing Is Associated with Increased Renal Protein Abundance of NHE3, NaPi2, NKCC2, and NCC in Mice</td>
<td>Yanting Yu</td>
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<tr>
<td>4:54 p.m.</td>
<td>TH-OR003</td>
<td>Dietary Fructose Enhances Protein Kinase C Activity and Angiotensin II-Dependent Transport in Proximal Tubules</td>
<td>Jeffrey Garvin</td>
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<tr>
<td>5:06 p.m.</td>
<td>TH-OR004</td>
<td>Potassium Directly Regulates WNK (With No Lysine Kinases) -</td>
<td>Jaylin Rodan</td>
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<tr>
<td>5:18 p.m.</td>
<td>TH-OR005</td>
<td>Mg2+ Restriction Downregulates NCC Through NEDD4-2 and Prevents Its Activation by Hypokalemia</td>
<td>James McCormick</td>
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<tr>
<td>5:30 p.m.</td>
<td>TH-OR006</td>
<td>Angiotensin II Stimulates ENaC by an Aldosterone-Independent Mechanism -</td>
<td>WenHui Wang</td>
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<tr>
<td>5:42 p.m.</td>
<td>TH-OR007</td>
<td>Collecting System Specific Deletion of Kcnj10 Predisposes for Thiazide- and Low K+ Diet-Induced Hypokalemia</td>
<td>David Penton Ribas</td>
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<tr>
<td>5:54 p.m.</td>
<td>TH-OR008</td>
<td>Renal Inflammation, Vascular Pathology, and Splenomegaly Are Induced in a Mouse Model of Spontaneous Chronic Metabolic Acidosis</td>
<td>Jill Verlander</td>
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<tr>
<td>6:06 p.m.</td>
<td>TH-OR009</td>
<td>Dietary Fructose Enhances Protein Kinase C Activity and Angiotensin II-Dependent Transport in Proximal Tubules</td>
<td>Jeffrey Garvin</td>
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<tr>
<td>6:18 p.m.</td>
<td>TH-OR010</td>
<td>Angiotensin II Stimulates ENaC by an Aldosterone-Independent Mechanism -</td>
<td>WenHui Wang</td>
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<tr>
<td>4:30 p.m.</td>
<td>TH-OR011</td>
<td>Polyploidization Is Essential to Survive AKI but It Contributes to CKD Development</td>
<td>Letizia De Chiara</td>
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<tr>
<td>4:42 p.m.</td>
<td>TH-OR012</td>
<td>A Comprehensive Single Nucleus RNA-Sequencing Atlas of Mouse and Human AKI</td>
<td>Yuhei Kirita</td>
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<tr>
<td>4:54 p.m.</td>
<td>TH-OR013</td>
<td>Sirtuin 5 Regulates a Metabolic Switch in Fatty Acid Oxidation That Protects Against AKI -</td>
<td>Kevin Peasley</td>
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<tr>
<td>5:06 p.m.</td>
<td>TH-OR014</td>
<td>High Mobility Group Box 1(HMGB1)-Induced Ferroptosis Accelerates Ischemia-Reperfusion Incited AKI</td>
<td>Gang Xu</td>
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<tr>
<td>5:18 p.m.</td>
<td>TH-OR015</td>
<td>Optogenetic Stimulation of the Vagus Nerve Identifies Distinct Pathways That Mediate Kidney Protection from Ischemia-Reperfusion Injury - Shinji Tanaka</td>
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<td>5:30 p.m.</td>
<td>TH-OR016</td>
<td>A Functional Genomic Screen Identifies a Cdkls-Sox9 Regulatory Axis in Epithelial Cell Death and Kidney Injury</td>
<td>Ji Young Kim</td>
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<tr>
<td>5:42 p.m.</td>
<td>TH-OR017</td>
<td>Ubiquitin-Proteasome System Actively Maintains Homeostasis of Proximal Tubules -</td>
<td>Keita Hirano</td>
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<tr>
<td>5:54 p.m.</td>
<td>TH-OR018</td>
<td>Organelle-Specific Oxidant Stress and CORE Disruption Mediate Proximal Tubule Cell Injury During Gentamicin Exposure</td>
<td>Chinaemere Igwebuike</td>
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<tr>
<td>6:06 p.m.</td>
<td>TH-OR019</td>
<td>Matricellular Protein Tenascin C Has a Protective Effect in Renal Ischemia-Reperfusion Injury -</td>
<td>Xiaoyi Mao</td>
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<tr>
<td>6:18 p.m.</td>
<td>TH-OR020</td>
<td>Enhancer and Super-Enhancer Dynamics in Repair After Ischemic AKI -</td>
<td>Julia Wilflingsseder</td>
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Thursday, November 7, 4:30 p.m. – 6:30 p.m.

Anemia and Iron Metabolism: Clinical Research

Moderators: Meredith Atkinson, Mark Hanudel

4:30 p.m. TH-OR021 HIMALAYAS: A Phase 3, Randomized, Open-Label, Active-Controlled Study of the Efficacy and Safety of Roxadustat in the Treatment of Anemia in Incident-Dialysis Patients – Robert Provenzano

4:42 p.m. TH-OR022 ROCKIES: An International, Phase 3, Randomized, Open-Label, Active-Controlled Study of Roxadustat for Anemia in Dialysis-Dependent CKD Patients – Steven Fishbane

4:54 p.m. TH-OR023 OLYMPUS: A Phase 3, Randomized, Double-Blind, Placebo-Controlled, International Study of Roxadustat Efficacy in Patients with Non-Dialysis-Dependent (NDD) CKD and Anemia – Steven Fishbane

5:06 p.m. TH-OR024 Randomized, Double-Blinded, Active-Controlled (Darbepoetin Alfa), Phase 3 Study of Vadadustat in CKD Patients with Anemia on Hemodialysis in Japan – Masao Nangaku

5:18 p.m. TH-OR025 Effects of Ziltivekimab, an Antibody to IL-6, on Inflammation, Nutritional Markers, and Anemia in Hemodialysis Patients: A Randomized, Double-Blind, Placebo-Controlled Trial – Pablo Pergola

5:30 p.m. TH-OR026 Prognostic Evaluation by Different Target Hemoglobin Levels During Treatment with Epoetin Beta Pegol in Hemodialysis Patients with ESA Hyporesponsiveness: PARAMOUNT-HD Study – Ken Tsuchiya

5:42 p.m. TH-OR027 Maintenance Intravenous Iron Treatment on Erythropoietin Dose in Chronic Hemodialysis Patients: A Multicenter Randomized Controlled Trial – Paweena Susantitaphong

5:54 p.m. TH-OR028 Effect of Ferric Citrate on Erythropoiesis-Stimulating Agent (ESA) Use in ESRD Patients with Elevated Ferritin – Sreedhar Mandayam

6:06 p.m. TH-OR029 Effect of Ferric Citrate vs. Ferrous Sulfate on Iron, Hemoglobin, and Mineral Metabolism in CKD – Rebecca Womack

6:18 p.m. TH-OR030 Association of Erythropoietin Resistance and Fibroblast Growth Factor 23 in Dialysis Patients: Results from the J-DOPPS Study – Tomoko Usui

Bioengineering

Moderators: Samira Musah, Takashi Yokoo

4:30 p.m. TH-OR031 Application of 3D Kidney-on-a-Chip for the Evaluation of Contrast-Induced Nephropathy – Kipyo Kim

4:42 p.m. TH-OR032 Modeling the Renal Epithelial-Microvascular Niche with Perfusable, Pericyte-Lined Capillary Networks In Vitro – Jeffrey Beamish

4:54 p.m. TH-OR033 An Immunoprotected Bioreactor for Implanted Renal Cell Therapy – Rebecca Gologorsky

5:06 p.m. TH-OR034 Single Bioreactor Culture System for Mass Production of Kidney Organoids – Takuya Matsumoto

5:18 p.m. TH-OR035 A High-Throughput Microfluidic Renal Proximal Tubule Model to Study CKD and CVD Risk Factors – Erin Shaughnessy

5:30 p.m. TH-OR036 Kidney Proximal Tubule Engineering via Melt-Electrowriting – Katja Jansen

5:42 p.m. TH-OR037 Matrix Elasticity Regulates Multiple Podocyte Functions – Snehal Sant

5:54 p.m. TH-OR038 Application of a Newly Engineered Podocyte Culture System to Study Intracellular Complement Production and Activation – Abhigyan Satyam

6:06 p.m. TH-OR039 Hepatocyte Growth Factor-Producing Mesothelial Cell Sheets Reduce Apoptosis of Renal Tubular Epithelial Cells in Ischemia-Reperfusion Injury – Yoei Miyabe

6:18 p.m. TH-OR040 Transdermal Delivery of Kidney-Targeting Nanoparticles – Nirmalya Tripathy
Moderators: Jürgen Floege, Sharon Moe

CKD: Clinical, Outcomes, and Trials

6:18 p.m. TH-OR041 High Fibroblast Growth Factor 23 Levels Induce Ventricular Arrhythmogenesis via Intracellular Ca2+ Mishandling – José Navarro-García
4:42 p.m. TH-OR052 A NPT2A-Selective Inhibitor Increases Phosphate Excretion in FGF23-Null and CKD Mice – Hiroto Saito
4:54 p.m. TH-OR43 Calciprotein Particles Cause FGF23 Induction via TLR4 Stimulation in Osteoblasts – Kenichi Akiyama
5:06 p.m. TH-OR44 Calciprotein Particle (CPP)-Inhibition Explains Magnesium-Mediated Protection Against Vascular Calcification – Jeroen De Baaij
5:18 p.m. TH-OR44 Lipocalin 2 Regulates FGF23 Production in CKD – Guillaume Courbon
5:30 p.m. TH-OR45 Physiologic Regulation of Systemic Klotho Levels by Renal CaSR Signaling in Response to CaSR Ligands and Extracellular pH – Joonho Yoon
5:42 p.m. TH-OR47 Novel Mechanism of Cardiac Hypertrophy Within the CKD-MBD – Matthew Williams
5:54 p.m. TH-OR48 Identification of an Extracellular pH-Sensitive Residue in the Calcium-Sensing Receptor – Patricia Pacios centeno
6:06 p.m. TH-OR49 In Vivo Deletion of Complex Genomic Enhancers Reveal a Kidney-Specific, Endocrine-Deficient Cyp27b1 Pseudo-Null Mouse and Loss of Reciprocally Regulated Cyp24a1 by FGF23 and PTH – Mark Meyer
6:18 p.m. TH-OR50 Nanomolar Potency Inhibitors of SLC26A3 (DRA) Anion Exchanger as First-in-Class Treatment of Enteric Hyperoxaluria and Nephrolithiasis – Onur Cil

Diabetic Kidney Disease: Discovery of Molecular Mechanisms

4:30 p.m. TH-OR51 Pragmatic Cluster-Randomized Trial of an Electronic Clinical Decision Support System (eCDSs) to Improve CKD Management in Primary Care – Carmen Peralta
4:42 p.m. TH-OR52 Patiromer vs. Placebo to Enable Spironolactone in Patients with Resistant Hypertension and CKD According to Baseline Kidney Function (AMBER Trial) – Rajiv Agarwal
4:54 p.m. TH-OR53 Glomerular Hyperfiltration Predicts Cardiovascular Outcomes in Apparently Healthy Individuals – Marie-Eve Dupuis
5:06 p.m. TH-OR54 Acute Treatment Effects in Randomized Clinical Trials of CKD Progression – Lesley Inker
5:18 p.m. TH-OR55 Reduced Kidney Function Is Associated with a Greater Burden of Atrial Fibrillation: The KP-RHYTHM Study – Alan Go
5:30 p.m. TH-OR56 Diminished Efficacy of the Angiotensin Receptor Blocker Losartan During High Potassium Intake in CKD Patients – Rosa Wouda
5:42 p.m. TH-OR57 ACEI/ARB Discontinuation and Adverse Outcomes in CKD – Carl Walther
5:54 p.m. Invited Lecture – Pitfalls of Post-Randomization Data Analyses: How to Avoid Them – Tom Greene

Bone and Mineral Metabolism: Basic Research

4:30 p.m. TH-OR041 Autophagy Protects Podocytes from Diabetes-Related Glomerular Endothelial Dysfunction – Kosuke Yamahara
4:42 p.m. TH-OR059 Unanticipated Effect of C3a Receptor Antagonist in the Podocyte Injury of Diabetes – Simona Buelli
4:54 p.m. TH-OR060 Gut Microbiome-Derived Phenyl Sulfate Contributes to Albuminuria in Diabetic Kidney Disease (Part 1) – Koichi Kikuchi
5:06 p.m. TH-OR061 PLK1 Inhibitor Can Reverse the Diabetic Nephropathy in OVE26 Type 1 Diabetic Mice – Lu Zhang
5:18 p.m. TH-OR062 High Glucose and High Osmolarity Modulate Function of FRMD3/Protein 4.10: A Candidate Gene of Diabetic Nephropathy – Eva Koenigshausen
5:30 p.m. TH-OR063 Short-Term Pulse Treatment with Nicotinamide Mononucleotide in Diabetic Nephropathy: Therapeutic Application of Metabolic Legacy Effect – Itaru Yasuda
5:42 p.m. TH-OR064 DcR2 Mediates Senescent Phenotype of Tubular Cell by Interacting with PRDX1: A Novel Mechanism of Renal Fibrosis in Diabetic Nephropathy – Jia Chen
5:54 p.m. TH-OR065 Genetic Deletion of MIOX Ameliorates Obesity-Associated Tubulointerstitial Injury via Modulating O-GlcNAcylation of Sterol Regulatory Element Binding Protein (SREBP) – Isha Sharma
6:06 p.m. TH-OR066 Murine Diabetic Nephropathy at Single Cell Resolution – Haojia Wu
6:18 p.m. TH-OR067 Tankyrase Inhibition Upregulates Mitochondrial Master Regulator PGC-1α in the Kidney of db/db Mice – Sara Kuusela

Thursday, November 7, 4:30 p.m. – 6:30 p.m.
Fluid and Electrolytes: Clinical Researech .................................................................................... Room 144
Moderators: Benjamin Ko, Kalani Raphael

4:30 p.m.  TH-OR069 Electrocardiographic Manifestations of Acute vs. Chronic Hyperkalemia - Joshua Powell
4:42 p.m.  TH-OR069 ECG12Net: A Deep Learning Algorithm Capable of Suprahuman Detection of Hypokalemia and Hyperkalemia by Electrocardiography - Shih-Hua Lin
4:54 p.m.  TH-OR070 Is Tissue Sodium Storage Driving Systemic Inflammation in CKD? A Sodium Magnetic Resonance Imaging Study - Alireza Akbari
5:06 p.m.  TH-OR071 Renoprotection by Long-Term Low-Dose Tolvaptan for Congestive Heart Failure is Pronounced in Hyponatremia - Tatsufumi Oka
5:18 p.m.  TH-OR072 Impact of Fluid Status, Serum Sodium, and Their Interaction on Survival: A Study in an Interational Hemodialysis Patient Cohort - Xiaoling Ye
5:30 p.m.  TH-OR073 Increased Short-Term and Long-Term Mortality in Community- and Hospital-Acquired Hypernatremia and in Patients with Delayed Sodium Correction - Charat Thongprayoon
5:42 p.m.  TH-OR074 The Potential Utility of Urine Estimated Ammonium-to-Creatinine Ratio in Patients with CKD - Saeko Hatanaka
5:54 p.m.  TH-OR075 The Cystic Fibrosis Urine Test - Peder Berg
6:06 p.m.  TH-OR076 Intravenous Sodium Bicarbonate Replacement in Patients with Toluene Intoxication - Raul Enriquez
6:18 p.m.  TH-OR077 Development of a Novel Predictive Equation for Ionized Calcium in Hospitalized Subjects: Albumin-Corrected Calcium Equation Is Extremely Inaccurate - Juan Carlos Ramirez-Sandoval

Glomerular Diseases: Fibrosis and Extracellular Matrix .................................................................... Salon C
Moderators: Kyung Lee, Jeffrey Miner

4:30 p.m.  TH-OR078 Cell-Based Therapy and Podocyte Cell Fusion Rescue Type IV Collagen Composition in Alport Syndrome - Valerie Lebleu
4:42 p.m.  TH-OR079 Lyosomal β-Mannosidase (Manba) Is a CKD Risk Gene - Xiangchen Gu
4:54 p.m.  TH-OR080 Novel Neuroendocrine Features of Macula Densa Cells Suggest Their Chief Role in Glomerular Tissue Remodeling - Georgia Gyarmati
5:06 p.m.  TH-OR081 Extracellular Matrix Component Mediated DDR1 Activation Causes Podocyte Lipotoxicity and Progression of Renal Disease in Alport Syndrome - Jin Ju Kim
5:18 p.m.  TH-OR082 Differential Expression of Parietal Epithelial Cell and Podocyte Extracellular Matrix Proteins in Focal Segmental Glomerulosclerosis and Diabetic Kidney Disease - Gek Cher Chan
5:30 p.m.  TH-OR083 CD44 Impacts Glomerular Parietal Epithelial Cell Changes in the Aged Mouse Kidney - Hiroko Hamatani
5:42 p.m.  TH-OR084 MAD2B Contributes to Parietal Epithelial Cell Activation and Crescentic Glomerulonephritis via Skp2 - Chen Ye
5:54 p.m.  TH-OR085 Fatty Acid Receptors GPR40/GPR84: Two Promising Targets in Kidney Fibrosis - Lyne Gagnon
6:06 p.m.  TH-OR086 Endothelial Glycocalyx Hyaluronan Is Required for Glomerular Integrity and Is Determined by Shear Stress-Regulated Glucobiosynthesis - Bernard van den Berg
6:18 p.m.  TH-OR087 Functional Intrarenal Alterations and Morphological Glomerular Basement Changes in Mice Deficient of the Angiotensinase Aminopeptidase A - Benedikt Marahrens
Home Dialysis ..................................................................................................................................... Room 143
Moderators: Arsh Jain, Annie-Claire Nadeau-Fredette

4:30 p.m. TH-OR088 Adoption of Home Remote Monitoring to Improve Outcomes in Peritoneal Dialysis (PD) Patients – Martin Schreiber
4:42 p.m. TH-OR089 A Transitional Start Unit (TSU) Improves Home Dialysis Adoption by Incident ESKD Patients – Subhasish Bose
4:54 p.m. TH-OR090 Early Transitions from In-Center Hemodialysis to Home Dialysis – Sonny Nguyen
5:06 p.m. TH-OR091 The Effect of a Combined Resistance and Cardiovascular Exercise Program on Peritoneal Dialysis Patients: A Pilot Randomized Control Trial – Paul Bennett
5:18 p.m. TH-OR092 Training Duration is Associated with Adverse Events in Home Hemodialysis Patients – Isabelle Gionest
5:30 p.m. TH-OR093 Dialysis Modality Choice Among Healthcare Workers: A UK Perspective – Subhasish Bose
5:42 p.m. TH-OR094 Patient and Caregiver Perspectives on Burnout in Peritoneal Dialysis Adverse Events – Bourne Auguste
6:06 p.m. TH-OR096 Short-Term Gaps in Insurance Lead to Long-Term Disparities in Peritoneal Dialysis Use – Eugene Lin
6:18 p.m. TH-OR097 Use of Machine Learning to Inform Decision Making and Optimal Renal Replacement Therapy – Xiaoyan Wang

Hypertension and CVD: Therapies and Predictors ....................................................................... Room 206
Moderators: Ruth Dubin, Charles Herzog

4:30 p.m. TH-OR098 Efficacy and Safety of the Standard and Reduced Apixaban Dose Compared with No Anticoagulation in Dialysis Patients with Newly Diagnosed Atrial Fibrillation – Thomas Mavrakanas
4:42 p.m. TH-OR099 Rivaroxaban vs. Warfarin for Prevention of Ischemic Stroke/Systemic Embolism (ISSE) in Patients with Non-Valvular Atrial Fibrillation (NVAF) and Stage 4-S CKD – Matthew Weir
4:54 p.m. TH-OR100 Effect of Evolocumab, an Anti-PCSK9 Antibody, on Vulnerable Coronary Plaque in CKD Patients Taking Statins – Keiji Hirai
5:06 p.m. TH-OR101 Changes in eGFR After Left Ventricular Assist Device Implantation – Bethany Roehm
5:18 p.m. TH-OR102 Predictors to Identify Diuretic Resistance Early in Acute Decompensated Heart Failure (ADHF) – Shweta Bansal
5:30 p.m. TH-OR103 Incorporating Kidney Disease Measures into Cardiovascular Risk Prediction: Evaluation Using Electronic Health Record Data from 37 Health Care Organizations – Nikita Stempniewicz
5:42 p.m. TH-OR104 Trends in Hypertension Control in Those with and Without CKD in the United States: 1999-2016 – Priya Vart
5:54 p.m. TH-OR105 White-Coat Hypertension Has a Predictive Role for Renal Outcome in Patients with Non-Dialysis CKD: Results from the C-STRIDE Study – Qin Wang
6:06 p.m. TH-OR106 PRN Use of Antihypertensive Medications and Adverse Renal Outcomes: A Propensity Score-Matched Analysis – Rajesh Mohandas
6:18 p.m. TH-OR107 Resistant Hypertension Potentiates the Risk of ESRD in African Americans in the Million Veteran Program (MVP) – Elvis Akwo
Mostly IgA Nephropathy ................................................................................................................. Ballroom C
Moderators: Dawn Caster, Sydney Tang

4:30 p.m.  TH-OR108 Relationship Between Treatment Effects for Proteinuria and eGFR Slope over 2 Years in Patients with IgA Nephropathy – Andrew Stone
4:42 p.m.  TH-OR109 Change in Proteinuria as a Surrogate Endpoint for GFR Slope: Individual Patient Meta-Analysis of 12 Randomized Clinical Trials in IgA Nephropathy – Lesley Inker
4:54 p.m.  TH-OR110 The Clinical Utility of Immunosuppression Treatment Decisions Based on Personalized Risk Assessment from the International IgA Nephropathy Prediction Tool – Sean Barbour
5:06 p.m.  TH-OR111 Serum and Urine Biomarkers Related to Renal Fibrosis Predict Renal Outcome in Patients with IgA Nephropathy – Dita Maixnerova
5:18 p.m.  TH-OR112 Association of IgM Deposition with Renal Outcomes in IgA Nephropathy: A Multicenter, Prospective, Observational Study – Li Tan
5:30 p.m.  TH-OR113 Analysis of 40-Year Prognosis of 1149 cases of IgA Nephropathy and Validation Study of Oxford Classification – Takahito Moriyama
5:42 p.m.  TH-OR114 Characterization of Recombinant IgG Autoantibody That Binds Galactose-Deficient IgA1 and Forms Immune Complexes Mimicking Those in IgA Nephropathy – Barbora Knoppova
5:54 p.m.  TH-OR115 Mizoribine Prevents M2-Type Macrophage-Mediated Development of Chronic Lesions in Childhood IgA Nephropathy – Yohei Ikezumi
6:06 p.m.  TH-OR116 Immunological and Genomic Analysis of Phenotype Discordant Monozygotic Twins Reveals a Novel Role of T-Follicular Helper Cells in IgA Nephropathy – Nicholas Steers
6:18 p.m.  TH-OR117 Enzymatic Inactive Ubiquitin C-Terminal Hydrolase L1 (UCH-L1) Promotes Antibody-Mediated Podocyte Injury – Julia Reichelt

Pediatric Nephrology Research......................................................................................................... Room 152
Moderators: Tracy Hunley, Sarah Swartz

4:30 p.m.  TH-OR118 Common Risk Variants in NPHS1 and TNFSF15 Are Associated with Childhood Steroid-Sensitive Nephrotic Syndrome – Tomoko Horinouchi
4:42 p.m.  TH-OR119 Response to Intensified Immunosuppression in Genetically-Stratified SRNS Patients Predicts Outcomes and Indicates Distinct Underlying Mechanisms – Moin Saleem
4:54 p.m.  TH-OR120 Long-Term Efficacy of Rituximab and Mycophenolate Mofetil (MMF) Maintenance Therapy in Children with Steroid-Dependent Nephrotic Syndrome: RITURNS Trial Follow-Up – Franz Schaefer
5:06 p.m.  TH-OR121 A Global Anti B-Cell Strategy with Obinutuzumab and Daratunumab in Severe Pediatric Idiopathic Nephrotic Syndrome – Claire Dossier
5:18 p.m.  TH-OR122 Effect of Updated Hypertension Guidelines on Blood Pressure Staging in Pediatric Kidney Transplant Recipients – Rouba Garro
5:30 p.m.  TH-OR123 Low Albumin Is Associated with Neonatal AKI During the First Post-Natal Week of Life: Report from the AWAKEN Study Group – Arwa Nada
5:42 p.m.  TH-OR124 Effect of Erythropoietin (Epo) on Outcomes at 24-26 Months in Extremely Low Gestational Age Neonates (ELGAN) – Sangeeta Hingorani
5:54 p.m.  TH-OR125 Stable Calcium Isotopes: A Novel Biomarker of Bone Mineral Density in Children with CKD – Rukshana Shroff
6:06 p.m.  TH-OR126 Pediatric CKD Is Associated with Abnormal White Matter Integrity – Matthew Solomon
6:18 p.m.  TH-OR127 Sleep Problems and Fatigue and Their Relationships with Emotional-Behavioral Symptoms and Neurocognitive Outcomes in Pediatric CKD – Rebecca Johnson
Thursday, November 7, 4:30 p.m. – 6:30 p.m.

Policy and Pretransplant Considerations ........................................................................................................... Room 151
Moderators: Tarek Alhamad, Elizabeth Lorenz

4:30 p.m.   TH-OR128 Economic Evaluation of Lifelong Medicare Immunosuppressive Drug Coverage for Kidney Transplant Recipients - Matthew Kadatz
4:42 p.m.   TH-OR129 Absence of Additional Predictive Ability Value of Preimplantation Biopsies for Long-Term Allograft Outcome – Olivier Aubert
4:54 p.m.   TH-OR130 Recipient outcome after declining a deceased-donor kidney offer – Dhriti Dosani
5:06 p.m.   TH-OR131 Decreasing Risks of Kidney Transplantation Using High KDPI Kidneys by PreferredRecipient Matching – Kyle Jackson
5:18 p.m.   TH-OR132 Cognitive Function and Waitlist Outcomes in Kidney Transplant Candidates With and Without Diabetes – Nadia Chu
5:30 p.m.   TH-OR133 Self-Reported vs. Measured Physical Function in Kidney Transplant Candidates at the Top of the Waitlist – Daniel Watford
5:42 p.m.   TH-OR134 Living Kidney Donor Visceral Adipose Tissue Predicts Donor Histopathology and Post-Donation Kidney Functional Decline – Joshua Augustine
5:54 p.m.   TH-OR135 Improvement in Waiting Times for Recipients of A2 to B Kidney Transplants: Refining Our Understanding – Alexander Gilbert
6:06 p.m.   TH-OR136 Normothermic Ex Vivo Kidney Perfusion Preservation Reliably Improves Extreme Marginal Graft Function Compared with Hypothermic Machine Perfusion – Peter Urbanellis
6:18 p.m.   TH-OR137 Genome-Wide Non-HLA Donor-Recipient Mismatches in Intronic Regions Independently Associate with Graft Survival – Zhongyang Zhang

Vascular Access and Complications of Hemodialysis ......................................................................................... Room 201
Moderators: Lalathaksha Murthy Kumbar, Vandana Niyyar

4:30 p.m.   TH-OR138 Preliminary Results of the PHYSICALFAV Trial – Ines Aragoncillo
4:42 p.m.   TH-OR139 Ferumoxytol MR Angiography vs. Doppler Ultrasound for Vascular Mapping Before Hemodialysis Arteriovenous Fistula Creation – Sokratis Stoumpos
4:54 p.m.   TH-OR140 Inactivation of Lysyl Oxidase in Smooth Muscle Cells Improves Arteriovenous Fistula Function in Mice – Roberto Vazquez-Padron
5:06 p.m.   TH-OR141 Assessment of Fistula Flow Using Smartphone Video Analysis – Fansan Zhu
5:18 p.m.   TH-OR142 Automatic Classification of Arteriovenous Fistula Aneurysms Using Artificial Intelligence – Hanjie Zhang
5:30 p.m.   TH-OR143 Comparison of Drug-Coated Balloon Angioplasty vs. Conventional Balloon Angioplasty for Arteriovenous Fistula Stenosis: A Meta-Analysis – Sohail Abdul Salim
5:42 p.m.   TH-OR144 Patient, Care Partner, and Provider Perspectives on Arteriovenous (AV) Access Creation Prior to Hemodialysis (HD) Initiation – Surya Manivannan
5:54 p.m.   TH-OR145 Ultrafiltration and Cerebral Microbleeds in Haemodialysis Patients – Yujun Qian
6:06 p.m.   TH-OR146 Trends in Use and In-Hospital Outcomes of Subcutaneous Implantable Cardioverter Defibrillators in Dialysis Patients: A Report from the National Cardiovascular Data Registry – Patrick Pun
6:18 p.m.   TH-OR147 Intradialytic Hypotension and Incident Peripheral Artery Disease in Patients with ESKD on Hemodialysis – Eun Young Seong
# Poster Sessions

**Thursday, November 7**

**Exhibit Halls A/B**

<table>
<thead>
<tr>
<th>Poster Topics</th>
<th>Board #s</th>
</tr>
</thead>
<tbody>
<tr>
<td>NIH/NIDDK and Informational Posters – I</td>
<td>001–050</td>
</tr>
<tr>
<td>AKI: Mechanisms – Primary Injury and Repair – I</td>
<td>051–095</td>
</tr>
<tr>
<td>AKI: Epidemiology, Risk Factors, Prevention – I</td>
<td>096–123</td>
</tr>
<tr>
<td>AKI: Biomarkers, Drugs, Onco-Nephrology</td>
<td>124–181</td>
</tr>
<tr>
<td>Drug Events Trainee Case Reports</td>
<td>182–230</td>
</tr>
<tr>
<td>Hemodialysis and Frequent Dialysis – I</td>
<td>231–283</td>
</tr>
<tr>
<td>Hemodialysis and Frequent Dialysis – II</td>
<td>284–319</td>
</tr>
<tr>
<td>Peritoneal Dialysis: CVD, Fluid, Nutrition</td>
<td>320–354</td>
</tr>
<tr>
<td>Vascular Access – I</td>
<td>355–380</td>
</tr>
<tr>
<td>Pharmacology (Pharmacokinetics, -Dynamics, -Genomics)</td>
<td>381–426</td>
</tr>
<tr>
<td>CKD: Risk Scores and Translational Epidemiology</td>
<td>427–460</td>
</tr>
<tr>
<td>CKD: Clinical, Outcomes, Trials – I</td>
<td>461–510</td>
</tr>
<tr>
<td>CKD: Mechanisms – I</td>
<td>511–567</td>
</tr>
<tr>
<td>Bone and Mineral Metabolism: Basic</td>
<td>568–590</td>
</tr>
<tr>
<td>Bone and Mineral Metabolism: Bone Disease</td>
<td>591–640</td>
</tr>
<tr>
<td>Health Maintenance, Nutrition, Metabolism – I</td>
<td>641–673</td>
</tr>
<tr>
<td>Geriatric Nephrology</td>
<td>674–716</td>
</tr>
<tr>
<td>Hypertension and CVD: Epidemiology, Risk Factors</td>
<td>717–749</td>
</tr>
<tr>
<td>Women's Health and Kidney Diseases</td>
<td>750–789</td>
</tr>
<tr>
<td>Pediatric CKD</td>
<td>790–823</td>
</tr>
<tr>
<td>Genetic Diseases of the Kidney – I</td>
<td>824–866</td>
</tr>
<tr>
<td>Cystic Kidney Diseases: Clinical</td>
<td>867–910</td>
</tr>
<tr>
<td>Diabetic Kidney Disease: Basic – I</td>
<td>911–939</td>
</tr>
<tr>
<td>Diabetic Kidney Disease: Biomarkers, Pathogenesis</td>
<td>940–981</td>
</tr>
<tr>
<td>Glomerular Trainee Case Reports</td>
<td>982–1032</td>
</tr>
<tr>
<td>Glomerular Diseases: Minimal Change Disease, FSGS, IgAN</td>
<td>1033–1056</td>
</tr>
<tr>
<td>Glomerular Diseases: Epidemiology, Mechanisms, Complications, Outcomes</td>
<td>1057–1101</td>
</tr>
<tr>
<td>Glomerular Diseases: Podocyte Biology – I</td>
<td>1102–1134</td>
</tr>
<tr>
<td>Transplantation: Clinical – Predictors of Outcomes – Biomarkers and Beyond</td>
<td>1135–1182</td>
</tr>
<tr>
<td>Transplantation: Clinical – Pretransplant Management</td>
<td>1183–1214</td>
</tr>
</tbody>
</table>

Abstract details are available in the Kidney Week mobile app and at [www.ASN-online.org/KidneyWeek](http://www.ASN-online.org/KidneyWeek).

Your Annual Meeting registration includes complimentary access to ePosters, a resource that transforms the poster hall into an online mobile experience—both during and after the meeting. View uploaded posters at [www.ASN-online.org/kw-eposters](http://www.ASN-online.org/kw-eposters).
You are invited to a hands-on review session of all the digital slides from the Renal Biopsy: Clinical Correlations session vignettes prior to Saturday, November 9, when the final diagnosis is discussed in depth and answers to the cases are distributed. Biopsy materials are available with renal pathologists onsite to direct your study of the cases and to provide individual instruction. There is no fee to visit the Pathology Room; however, space is limited and available on a first-come, first-served basis.

Digital Pathology Room 156

Nov.7–8
9:30 a.m. to 4:30 p.m.

ASN thanks the Renal Pathology Society for assistance with this session and support of the Digital Pathology Room.
ASN invites you to take part in the ASN Career Fair. Connect with employers and find your next nephrology opportunity. It’s FREE to attend!

Be on the lookout for the ASN Featured Employers Guide which will include open positions from top employers. It will be sent directly to your email after Kidney Week.

Take charge of your career! Upload or update your resume on the ASN Career Center.

Visit careers.asn-online.org to get started!
DAY-AT-A-GLANCE: Friday, November 8

6:45 a.m. – 7:45 a.m.
Educational Symposia (Marriott Marquis Washington, DC) - Doors open at 6:30 a.m. Limited seating; first-come, first-serve to fully paid Annual Meeting participants.

Hepatorenal Syndrome Type 1: Pathophysiology and Management.................................................. Marquis Ballroom, Salon 5
Vascular Access: Breaking the Barriers to Innovation.................................................. Marquis Ballroom, Salon 6

8:00 a.m. – 9:30 a.m.
Plenary: John P. Peters Award Presentation, Donald W. Seldin Young Investigator Award Presentation and Address, State-of-the-Art Lecture...............................................Hall D

9:30 a.m. – 2:30 p.m.
Morning Break (9:30 a.m. – 10:00 a.m.) ........................................................................ Exhibit Halls A/B
Scientific Exposition and Posters (9:30 a.m. – 2:30 p.m.) .................................... Exhibit Halls A/B
Poster Presentations by Authors (10:00 a.m. – 12:00 p.m.) ................................. Exhibit Halls A/B
Fellows-in-Training Bowl: Semi-Finals and Finals (10:30 a.m. – 12:30 p.m.) ........ Exhibit Hall A

10:30 a.m. – 12:30 p.m.
Basic/Clinical Science Sessions
Advances in Evidence-Based Care for Pediatric Renal Disease .............................................Room 152
Functional Proteomics: Unraveling Molecular Machines to Protein Networks Room 206
New Insights into Vascular Calcification in Kidney Diseases ...........................................Room 145

Clinical Practice Sessions
Drilling Down on Acute Interstitial Nephritis.......................................................... Ballroom B
Dysproteinemic Renal Disease................................................................. Room 201
Let’s Get You That Kidney Transplant, Including the Burton D. Rose, MD, Endowed Lectureship Room 151
Out of Sight, Not out of Mind: Mood Disorders in the Dialysis Unit......................Room 146 A/B

Translational Sessions
Genetic Correlations of Renal Biopsy Findings, Including the Robert W. Schrier, MD, Endowed Lectureship Room 147
Major Clinical Trials for Diabetic Kidney Disease: CREDENCE and SONAR ..................Hall D
Sex and Hypertension .......................................................................................... Room 202

Special Session
Disruptors on the Move .................................................................................. Room 140

12:45 p.m. – 1:45 p.m.
Educational Symposia (Marriott Marquis Washington, DC) - Doors open at 12:30 p.m. Limited seating; first-come, first-serve to fully paid Annual Meeting participants.

Basic Science Symposium - Organs-on-Chips:
Human Kidney Microphysiological Systems.................................................. Marquis Ballroom, Salon 10
Autosomal Dominant Polycystic Kidney Disease:
Approach to Patient Assessment and Management................................. Liberty Ballroom
Strategies to Manage Hyperkalemia Risk due to RAAS Blockade................................. Marquis Ballroom, Salon 5
The Vitamin D Debate in CKD and ShpT: How High Should We Aim? .................. Independence Ballroom
When Bone Mineral Disease and Anemia Management Collide.....Marquis Ballroom, Salon 6

2:00 p.m. – 4:00 p.m.
Basic/Clinical Science Sessions
Best of ASN Journals: CJASN and JASN................................................. Ballroom B
Bringing It All Together: Integrative Biology for Glomerular Disease................... Room 206
Developmental Origins of Hypertension.......................................................... Room 202
Embedded Pragmatic Clinical Trials: Accelerating Evidence Generation in Nephrology…………………………………………………… Salon A/B
Hope on the Horizon: Novel Therapeutics for Glomerular Disease, Including the Michelle P. Winn, MD, Endowed Lectureship.................................Ballroom A
2:00 p.m. – 4:00 p.m.
Basic/Clinical Science Sessions (cont.)
Kidney Diseases in Africa: Insight from the H3-Africa Kidney Disease Research Network ................................................................. Room 147
New Participants in AKI: Cellular Components, Signaling, and More .............................................. Room 207
New Regulatory Concepts for the Calcium-Sensing Receptor ........................................................... Room 145
Novel Regulators of Renal Tubular Transport ....................................................................................... Room 146 C
Progress and Controversies in PKD ..................................................................................................... Room 143
To Grow a Kidney .................................................................................................................................. Room 152
Clinical Practice Sessions
Aging and Wasting in CKD .................................................................................................................. Room 144
Burden of Kidney Diseases East and West: Joint ASN-CSN Session .............................................. Salon C
Keeping the Bugs Away: Preventing, Diagnosing, and Treating Common Infections in the Dialysis Unit .........................................................................................Room 146 A/B
Successful Pregnancy Outcomes Across the Spectrum of Kidney Diseases .................................. Room 150
Translational Sessions
Let Them Flow: Cell-Based Therapies in Kidney Transplantation .................................................. Room 151
The Renal Allograft Biopsy and Next-Generation Clinical Trials .................................................... Room 201
Special Session
Nephrology Payment 2020, Including the Christopher R. Blagg, MD, Lectureship in Kidney Diseases and Public Policy ........................................................... Room 140
Oral Abstract Session
High-Impact Clinical Trials .............................................................................................................. Ballroom C
4:00 p.m. – 4:30 p.m.
Afternoon Break .......................................................................................................... Meeting Room Foyers
4:30 p.m. – 6:30 p.m.
Basic/Clinical Science Session
Cellular Metabolism in Kidney and Urologic Diseases ....................................................................... Room 146 C
Clinical Practice Sessions
Better Luck Next Time: Planning for a Second Transplant ............................................................... Room 151
Conservative and Palliative Care for the Dialysis Patient .................................................................. Room 146 A/B
Translational Session
Complement Complement Everywhere: What Does It All Mean? .................................................. Ballroom A
Entrepreneurship and Innovation in Kidney Care ............................................................................ Room 140
Oral Abstract Sessions
Advances in PKD: From Omics to Therapeutics ................................................................................. Room 143
AKI: Epidemiology, Processes of Care, and Outcomes ....................................................................... Room 201
AKI: Mechanisms - Inflammation and AKI-CKD Transition ................................................................. Room 202
Bone and Mineral Metabolism: Clinical Research ........................................................................... Room 145
Development and Stem Cells ............................................................................................................. Room 152
Genes, Environment, and Lifestyle: Risk Factors for CKD ............................................................... Salon C
Genetic Diseases and the Kidneys ....................................................................................................... Room 144
Hypertension and CVD: Mechanisms .................................................................................................. Room 206
Lupus and Then Some .......................................................................................................................... Ballroom C
New Techniques and Breakthroughs in Renal Pathology ................................................................. Salon A/B
Peritoneal Dialysis: Innovations and Clinical Practice ........................................................................ Room 147
Translating Discovery to Patients with Diabetic Kidney Disease ..................................................... Room 207
Transplantation: Basic Research ....................................................................................................... Room 150

For more details and updates, download the Kidney Week mobile app, or visit www.ASN-online.org/KidneyWeek.
Friday, November 8, 6:45 a.m. – 7:45 a.m.

*Educational Symposia (Marriott Marquis Washington, DC)* – Doors open at 6:30 a.m.
Breakfast is provided. Limited seating; first-come, first-serve to fully paid Annual Meeting participants.

**Hepatorenal Syndrome Type 1: Pathophysiology and Management**

6:45 a.m.  
**Introduction** – Justin Belcher, Moderator
6:55 a.m.  
**Pathophysiology Underlying HRS Type 1** – Luis Juncos
7:15 a.m.  
**Management Options for Patients with HRS Type 1** – Hani Wadei
7:35 a.m.  
**Questions & Answers**

**Vascular Access: Breaking the Barriers to Innovation**

6:45 a.m.  
**Introduction: Discussion of Current Gaps in Care and Need for a Patient-Centered Approach in Vascular Access** – Kevan Polkinghorne, Moderator
6:55 a.m.  
**Current and Emerging Technologies: Attempting to Fill the Clinical Gap** – Vandana Niyyar
7:15 a.m.  
**Bioengineered Human Acellular Vessels: Promise for the Future** – Eric Peden
7:35 a.m.  
**Questions & Answers**

Friday, November 8, 8:00 a.m. – 9:30 a.m.

**Plenary: John P. Peters Award Presentation, Donald W. Seldin Young Investigator Award Presentation and Address, State-of-the-Art Lecture**

8:00 a.m.  
**John P. Peters Award Presentation** – Vicente Torres
8:10 a.m.  
**Donald W. Seldin Award Presentation and Address “Prospects for NAD+ Based Therapies in AKI”** – Samir Parikh
8:40 a.m.  
**State-of-the-Art Lecture “Genes Controlling Sleep and Circadian Rhythms”** – Michael Young

Friday, November 8, 10:30 a.m. – 12:30 p.m.

**Advances in Evidence-Based Care for Pediatric Renal Disease**

Moderators: Sherene Mason, Raymond Quigley

10:30 a.m.  
**Bubbles, Bubbles, Toil, and Trouble: The Treatment of PKD in Children** – Melissa Cadnapaphornchai
11:00 a.m.  
**When Steroids Fail: What to Do with Difficult-to-Control Nephrotic Syndrome?** – Rulan Parekh
11:30 a.m.  
**The Role of Pediatric Nephrologists in the Care of Children with Metabolic Syndrome** – Tammy Brady
12:00 p.m.  
**The Great Debate: Maintenance IV Fluids in Children: The Intersection of Science and Practice** – Michael Moritz

**Functional Proteomics: Unraveling Molecular Machines to Protein Networks in Metabolic Disease**

Moderators: John Arthur, Anna Mathew

10:30 a.m.  
**Harnessing the Power of Top-Down Proteomics to Determine Protein Function** – Ying Ge
11:00 a.m.  
**Metabolic Regulation by Protein Acylation** – Yingming Zhao
11:30 a.m.  
**Functional Proteomics and Applications to the Pathophysiology of Metabolic Kidney Disease** – Markus Rinschen
12:00 p.m.  
**Inflammatory Proteome and Risk for Progression of Diabetic Kidney Disease** – Monika Niewczasz

**New Insights into Vascular Calcification in Kidney Diseases**

Moderators: Silvia Ferrè, Jessica Kendrick

10:30 a.m.  
**Updates on the Mechanisms and Care of Calcification in CKD** – Ziad Massy
11:00 a.m.  
**Role of Smooth Muscle Cells in Vascular Calcification** – Catherine Shanahan
11:30 a.m.  
**Magnesium Counteracts Vascular Calcification** – Marc Vervloet
12:00 p.m.  
**Sclerostin and DKK1: New Players in Renal Bone and Vascular Disease** – Pieter Evenepoel
Drilling Down on Acute Interstitial Nephritis ................................................................. Ballroom B
Moderators: Mandana Rastegar, Umut Selamet

10:30 a.m.  A Closer Look at the Epidemiology and Risk Factors for Acute Interstitial Nephritis – Mohamed Atta
11:00 a.m.  Diagnosing Acute Interstitial Nephritis: Urine Eosinophils, Urine Sediment, and Novel Biomarkers – Dennis Moledina
11:30 a.m.  The Many Faces of Acute Interstitial Nephritis: Drugs, IgG4, and Other Diseases - The Pathologist’s View – Lynn Cornell
12:00 p.m. Treatment of Acute Interstitial Nephritis: Do Steroids Work or Are We Off Target? – Ladan Zand

Dysproteinemnic Renal Disease ........................................................................................ Room 201
Moderators: Samih Nasr, Maria Picken

10:30 a.m.  How Light Chains Damage Kidneys – Paul Sanders
11:00 a.m.  Clinical-Pathologic Correlations in Light Chain Cast Nephropathy – Virginie Royal
11:30 a.m.  New Assays to Detect Clones in Patients with Monoclonal Gammopathy of Renal Significance and New Implications - Nelson Leung
12:00 p.m. C3 Glomerulopathy and Monoclonal Gammopathy of Renal Significance – Frank Bridoux

Let’s Get You That Kidney Transplant, Including the Burton D. Rose, MD, Endowed Lectureship ......................................................... Room 151
ASN gratefully acknowledges Wolters Kluwer (publisher of UpToDate), the Beth Israel Deaconess Medical Center Department of Medicine Foundation, the Rose Family, and several of Dr. Rose’s colleagues for supporting this lectureship. ASN thanks the American Society of Transplantation for assistance with this session.
Moderators: Matthew Cooper, Christine Ribic

10:30 a.m. Educating Patients and Practitioners About the Benefits of Transplantation, The Burton D. Rose, MD, Endowed Lectureship – Bertram Kasiske
11:00 a.m. Cancer Recurrence Risk in Candidates with a Cancer History – Eric Engels
11:30 a.m. Surgical and Nonsurgical Approaches to Increase Access to Transplantation for Obese Patients – Jayme Locke
12:00 p.m. Which Anti-HLA Antibodies Can I Cross? – Anat Tambur

Out of Sight, Not out of Mind: Mood Disorders in the Dialysis Unit ................................. Room 146 A/B
Moderators: Susan Hedayati, David White

10:30 a.m. International Trends in Mood Disorders in the Dialysis Population – Bruce Robinson
11:00 a.m. Management of Depressive Disorders in the Dialysis Population – Rajnish Mehrotra
11:30 a.m. Anxiety in Dialysis: Undertreated or Overtreated? – Daniel Cukor
12:00 p.m. Cardiovascular Safety Considerations When Prescribing Mood-Related Drugs to the Dialysis Population – Magdalene Assimon

Genetic Correlations of Renal Biopsy Findings, Including the Robert W. Schrier, MD, Endowed Lectureship .................................................. Room 147
ASN gratefully acknowledges Otsuka America Pharmaceutical, Novartis, Astellas Pharma US, and several individuals for support of the Robert W. Schrier, MD, Endowed Lectureship.
Moderators: Joseph Gaut, Matt Sampson

10:30 a.m. Diagnostic Exome Sequencing in CKD, The Robert W. Schrier, MD, Endowed Lectureship – Ali Gharavi
11:00 a.m. APO-L1: Structure, Function, and Impact on Clinical Management – Martin Pollak
11:30 a.m. Collagen IV Diseases: The Expanding Spectrum – Corinne Antignac
12:00 p.m. Linking Histology with Genetic and Molecular Profiles – Laura Barisoni

Major Clinical Trials for Diabetic Kidney Disease: CREDENCE and SONAR .................... Hall D
Moderators: Peter Rossing, Katherine Tuttle

10:30 a.m. CREDENCE Background, Study Design, and Conduct – Carol Pollock
10:55 a.m. CREDENCE Primary Outcomes and Other Major Outcomes – Meg Jardine
11:20 a.m. SONAR Background, Study Design, and Conduct – Hiddo Heerspink
11:45 a.m. SONAR Primary Outcomes and Other Major Outcomes – Dick de Zeeuw
**Sex and Hypertension**

Moderators: Andrea Kattah, Jane Reckelhoff

- **10:30 a.m.** Sex Differences in Periodontal Disease and Cardiorenal Syndrome – Kristine DeLeon-Pennell
- **11:00 a.m.** Senescence-Associated Secretory Phenotype and Hypertension in Postmenopausal Women – Vesna Garovic
- **11:30 a.m.** Sex Differences in Obesity-Related Hypertension – Eric Belin de chantemele
- **12:00 p.m.** Sex Differences in Hypertension Associated with Excess Androgen States – Licy Yanes Cardozo

**Disruptors on the Move**

ASN thanks its Policy and Advocacy Committee for assistance with this session.

Moderators: Krishna Polu, Wolfgang Winkelmayer

- **10:30 a.m.** Partnering with Patients to Jumpstart Disruptive Innovation – Josephine Briggs
- **10:45 a.m.** Brave New World: How New Players Are Changing Kidney Care – Bryan Sivak
- **11:00 a.m.** Kidney Care, CVS, and Aetna – Bruce Culleton
- **11:15 a.m.** How Cricket Health is Transforming Kidney Care – Carmen Peralta
- **12:00 p.m.** Panel Discussion

**Educational Symposia**

- **Autosomal Dominant Polycystic Kidney Disease:**
  - **12:45 p.m.** Introduction: Brief Review of Patient Priorities in ADPKD – Reem Mustafa, Moderator
  - **12:55 p.m.** Who Is at Risk for Rapid Progression in ADPKD? – Vicente Torres
  - **1:15 p.m.** Clinical Care and Clinical Trials for Patients with ADPKD in a New Therapeutic Era – Gopi Rangan
  - **1:35 p.m.** Questions & Answers

- **Strategies to Manage Hyperkalemia Risk due to RAAS Blockade:**
  - **12:45 p.m.** Introduction – Stephen Seliger, Moderator
  - **12:55 p.m.** How Common Is Hyperkalemia and Who Is at Risk? – David Bushinsky
  - **1:15 p.m.** What Can We Do to Prevent Recurrent Hyperkalemia for Patients Taking RAAS Blockade? – George Bakris
  - **1:35 p.m.** Questions & Answers

- **The Vitamin D Debate in CKD and SHPT: How High Should We Aim?**
  - **12:45 p.m.** Introduction – Michal Melamed, Moderator
  - **12:55 p.m.** Higher 25-Hydroxyvitamin D Targets Are Better for Patients with Kidney Disease – James Wetmore
  - **1:15 p.m.** Lower 25-Hydroxyvitamin D Targets Are Better for Patients with Kidney Disease – Julia Scialla
  - **1:35 p.m.** Questions & Answers

- **When Bone Mineral Disease and Anemia Management Collide**
  - **12:45 p.m.** Introduction – Orlando Gutierrez, Moderator
  - **12:55 p.m.** FGF-23: At the Intersection of Phosphate, Iron Regulation, and Anemia Management – Jodie Babitt
  - **1:15 p.m.** Relative Effects of Iron and Erythropoietin Supplementation: Comparison of Treatment Modalities – Tomas Ganz
  - **1:35 p.m.** Questions & Answers
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Moderators</th>
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<tbody>
<tr>
<td>2:00 p.m.</td>
<td><strong>Best of ASN Journals: CJASN and JASN</strong></td>
<td>Josephine Briggs, Rajnish Mehrotra</td>
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<td>2:00 p.m.</td>
<td><strong>Highlights in AKI and Regenerative Medicine</strong></td>
<td>Benjamin Humphreys, Edward Siew</td>
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<td>2:30 p.m.</td>
<td><strong>Person-Centered Approach to Care of Patients with Kidney Diseases</strong></td>
<td>Manjula Kurella Tamura, Neil Powe</td>
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<td>3:00 p.m.</td>
<td><strong>CJASN and JASN Top Clinical Trials</strong></td>
<td>Ian de Boer, Paul Palevsky</td>
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<td>3:30 p.m.</td>
<td><strong>New Insights About Assessment and Treatment of Kidney Diseases</strong></td>
<td>Orlando Gutierrez, Mark Knepper</td>
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<td>2:00 p.m.</td>
<td><strong>Bringing It All Together: Integrative Biology for Glomerular Disease</strong></td>
<td>Sanjay Jain, Rachel Lennon</td>
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<td>2:00 p.m.</td>
<td><strong>Systems Biology Approaches to Predict Glomerular Drug Toxicity</strong></td>
<td>Evren Azeloglu</td>
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<td>2:30 p.m.</td>
<td><strong>Multi-Omics Approaches to Glomerular Biology</strong></td>
<td>Thomas Benzing</td>
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<td>3:00 p.m.</td>
<td><strong>Renal Compartment-Specific Genetic Variation Analyses</strong></td>
<td>Katalin Susztak</td>
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<td>3:30 p.m.</td>
<td><strong>Quantification of Molecular Heterogeneity in Kidney Tissue by Proteomics</strong></td>
<td>Michael Merchant</td>
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<td>2:00 p.m.</td>
<td><strong>Developmental Origins of Hypertension</strong></td>
<td>Jennifer Pollock, Jennifer Sullivan</td>
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<td><strong>Role of the Sympathetic Nervous System in Prenatal Programming of Hypertension</strong></td>
<td>Michel Baum</td>
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<td>2:30 p.m.</td>
<td><strong>Transgenerational Programming of Nephron Deficits Leading to Hypertension</strong></td>
<td>Karen Moritz</td>
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<td>3:00 p.m.</td>
<td><strong>Low Birth Weight, Kidneys, and Hypertension: Do Sex and Age Matter?</strong></td>
<td>Barbara Alexander</td>
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<td>3:30 p.m.</td>
<td><strong>Renin Cells in Homeostasis, Regeneration, and Immune Defense Mechanisms</strong></td>
<td>Roberto Ariel Gomez</td>
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<td>2:00 p.m.</td>
<td><strong>Embedded Pragmatic Clinical Trials: Accelerating Evidence Generation in Nephrology</strong></td>
<td>Susan Mendley, Catherine Meyers</td>
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<td>2:00 p.m.</td>
<td><strong>Opportunities for Embedded Pragmatic Clinical Trials in Nephrology</strong></td>
<td>Laura Dember</td>
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<td>2:30 p.m.</td>
<td><strong>Design and Analysis: Strategies for Embedded Pragmatic Clinical Trials</strong></td>
<td>Qilu Yu</td>
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<td>3:00 p.m.</td>
<td><strong>Engaging Stakeholders and Aligning with Health System Partners</strong></td>
<td>Miguel Vazquez</td>
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<td>3:30 p.m.</td>
<td><strong>Designing for Post-Trial Implementation</strong></td>
<td>Wynne Norton</td>
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<td>2:00 p.m.</td>
<td><strong>Hope on the Horizon: Novel Therapeutics for Glomerular Disease, Including the Michelle P. Winn, MD, Endowed Lectureship</strong></td>
<td>Markus Bitzer, Shuta Ishibe</td>
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<td>2:00 p.m.</td>
<td><strong>Mechanism-Based Precision Therapeutics for Proteinuric Kidney Disease</strong></td>
<td>Anna Greka</td>
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<td>2:30 p.m.</td>
<td><strong>Novel Targets and Approaches to Alport Syndrome</strong></td>
<td>Alessia Fornoni</td>
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<td>3:00 p.m.</td>
<td><strong>Genome-Wide Association Study (GWAS)-Derived Targets for Glomerular Diseases, The Michelle P. Winn, MD, Endowed Lectureship</strong></td>
<td>Rasheed Gbadegesin</td>
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<td>3:30 p.m.</td>
<td><strong>Small Molecule Inhibitors to Treat Steroid-Resistant Nephrotic Syndrome</strong></td>
<td>Moin Saleem</td>
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<td>2:00 p.m.</td>
<td><strong>Kidney Diseases in Africa: Insight from the H3-Africa Kidney Disease Research Network</strong></td>
<td>Marva Moxey-Mims, Akinlolu Ojo</td>
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<td>2:00 p.m.</td>
<td><strong>Longitudinal and Genomic Studies of CKD in Resource-Limited Settings: A High-Risk, High-Yield Venture</strong></td>
<td>Dwomoa Adu</td>
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<td>2:30 p.m.</td>
<td><strong>H3 Tissue Biorepository of Tropical Nephropathy: First Insights on Disease Spectrum and Mechanism</strong></td>
<td>Jeffrey Hodglin</td>
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<td>3:00 p.m.</td>
<td><strong>Bioinformatics and Big Data Science Infrastructure for CKD Studies in Africa</strong></td>
<td>Adebowale Adeyemo</td>
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<td>3:30 p.m.</td>
<td><strong>Development of a Consensus Statement for the Treatment of Childhood Nephrotic Syndrome in Africa</strong></td>
<td>Rulan Parekh</td>
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</tbody>
</table>
New Participants in AKI: Cellular Components, Signaling, and More .................................Room 207
Moderators: Subhashini Bolisetty, Ambra Pozzi

2:00 p.m. The Role of Lymphangiogenesis – Abolfazl Zarjou
2:30 p.m. The Role of Neutrophil Extracellular Traps – William Reeves
3:00 p.m. The Role of Wnt/Beta-Catenin Signaling in Interstitial Fibroblasts – Youhua Liu
3:30 p.m. The Role of the Polyl Pathway – Miguel Lanaspa

New Regulatory Concepts for the Calcium-Sensing Receptor ..............................................Room 145
Moderators: Donald Ward, Myles Wolf

2:00 p.m. The Calcium-Sensing Receptor: Physiology and Diseases – Fadil Hannan
2:30 p.m. Application of Therapeutics Targeting the Calcium-Sensing Receptor to Bone and Parathyroid Diseases – Dolores Shoback
3:00 p.m. The Calcium-Sensing Reception Increases Activity of the Renal NCC Through the WNK4-SPAK Pathway – Gerardo Gamba
3:30 p.m. The Excretion of Uromodulin Is Modulated by the Calcium-Sensing Receptor – Olivier Devuyst

Novel Regulators of Renal Tubular Transport .......................................................................Room 146 C
Moderators: Carolyn Ecelbarger, Mykola Mamenko

2:00 p.m. Renal Sodium Transport and the Circadian Clock – Michelle Gumz
2:30 p.m. Regulators of AQP2 and Body Water Homeostasis – Robert Fenton
3:00 p.m. ENaC as a Regulator of NCC – Robert Hoover
3:30 p.m. Novel Roles for (Pro)Renin Receptor in the Kidneys – Tianxin Yang

Progress and Controversies in PKD .................................................................................. Room 143
Support is provided by an educational grant from Otsuka America Pharmaceutical, Inc.
Moderators: Rachel Gallagher, Katharina Hopp

2:00 p.m. Cilia and Cystogenesis – Saikat Mukhopadhyay
2:30 p.m. Hippo Signaling in PKD – Duojia Pan
3:00 p.m. Planar Cell Polarity in Tubulogenesis and Cystogenesis – Jeffrey Axelrod
3:30 p.m. Somatostatin Analogues for Treatment of PKD – Ron Gansevoort

To Grow a Kidney ........................................................................................................... Room 152
Moderators: Greg Dressler, Lori O’Brien

2:00 p.m. Cell Biology of Nephron Tubule Formation – Denise Marciano
2:30 p.m. Proximal Tubule Differentiation from Mouse Embryo to Adult – Joo-Seop Park
3:00 p.m. Origins and Differentiation Pathways of the Kidney Stroma – Thomas Carroll
3:30 p.m. When Development Goes Wrong – Jennifer Charlton

Aging and Wasting in CKD ............................................................................................... Room 144
Moderators: Sarbjeet Jassal, Sankar Navaneethan

2:00 p.m. Should the eGFR and Albumin/Creatinine Ratio Threshold for CKD Differ by Age and Sex? – Josef Coresh
2:30 p.m. CKD and Cognitive Function Decline – Mark Sarnak
3:00 p.m. Frailty in CKD and ESRD: What Can Be Done About It? – Kirsten Johansen
3:30 p.m. Drug Dosing in Older Adults with CKD – Joanna Hudson

Burden of Kidney Diseases East and West: Joint ASN-CSN Session ................................. Salon C
ASN thanks the Chinese Society of Nephrology for assistance with this session.
Moderators: Chuan-Ming Hao Qi Qian

2:00 p.m. CKD Burden in China: Current and Perspective – Xueqing Yu
2:30 p.m. Perspectives on AKI Strategy in China – Li Yang
3:00 p.m. Changing Epidemiology of Glomerular Disease in China – Wei Chen
3:30 p.m. Changing Epidemiology of Glomerular Disease in the West – J. Charles Jennette
Keeping the Bugs Away: Preventing, Diagnosing, and Treating Common Infections in the Dialysis Unit .......................................................... Room 146 A/B
ASN thanks the Centers for Disease Control and Prevention for assistance with this session.
Moderators: Talat Alp Ikizler, Tanya Johns
2:00 p.m. Diagnosis and Treatment of Non-Access-Related Infections in Hemodialysis and Peritoneal Dialysis Patients – Kristina Bryant
2:30 p.m. Hemodialysis-Related Infections: What Can We Do to Prevent and Treat? – Timmy Lee
3:00 p.m. Clinical and Economic Benefits of Antimicrobial Stewardship Programs in Hemodialysis Facilities – Erika D’Agata
3:30 p.m. Nephrologists Can Transform Dialysis Safety to Prevent Infections – Alan Kliger

Successful Pregnancy Outcomes Across the Spectrum of Kidney Diseases ......................... Room 150
Moderators: Phyllis August, Rasheed Balogun
2:00 p.m. Overview of Reproductive Health in Women with CKD and Kidney Transplantation – Giorgina Piccoli
2:30 p.m. Taking Care of Mother and Fetus with Intensive Hemodialysis – Michelle Hladunewich
3:00 p.m. Effect of Pregnancy on the Renal Allograft; Effect of the Renal Allograft on Pregnancy – Michelle Josephson
3:30 p.m. Managing Glomerulonephritis During Pregnancy – Liz Lightstone

Let Them Flow: Cell-Based Therapies in Kidney Transplantation ......................................... Room 151
Moderators: Vineeta Kumar, Jonathan Maltzman
2:00 p.m. What We Learned from the ONE Study and Where Do We Go from Here – Edward Geissler
2:30 p.m. Chimeric Antigen Receptor (CAR) T Cells in Transplantation – Caroline Lamarche
3:00 p.m. Cell-Based Therapies to Target Viral Infections and Cancer After Transplantation – Susan Prockop
3:30 p.m. Promoting Tolerance with Regulatory Dendritic Cells – Diana Metes

The Renal Allograft Biopsy and Next-Generation Clinical Trials ............................................ Room 201
Moderators: Ibrahim Batal, Banu Sis
2:00 p.m. Interstitial Fibrosis and Tubular Atrophy (IFTA), i-IFTA, and the Response to Injury – Mark Haas
2:30 p.m. An Integrated Prediction Score of Allograft Survival – Alexandre Loupy
3:00 p.m. Gene Expression Profiling and Histologic and Noninvasive Biomarkers in Antibody-Mediated Rejection – Carmen Lefaucheur
3:30 p.m. Precision Diagnostic and Next-Generation Clinical Trials – Michael Mengel

Nephrology Payment 2020, Including the Christopher R. Blagg, MD, Lectureship in Kidney Diseases and Public Policy .................................... Room 140
ASN gratefully acknowledges the Northwest Kidney Centers and its contributors for support of the Blagg Lectureship in Kidney Diseases and Public Policy. ASN thanks its Policy and Advocacy Committee and the Renal Physicians Association for assistance with this session.
Note: Continuing education credits are not being offered for this session.
Moderators: Scott Bieber, Jeffrey Perlmutter
2:00 p.m. Legislative Initiatives to Improve Kidney Care and Support Innovation – Kyle Hill
2:30 p.m. Interoperability on the Way – Thomas Mason (invited)
3:00 p.m. Big Changes in Physician Reimbursement: What It Means for Kidney Care – Daniel Weiner
3:30 p.m. The Future of Value-Based Care and Nephrology - The Christopher R. Blagg, MD, Lectureship in Kidney Diseases and Public Policy – Adam Boehler

High-Impact Clinical Trials ........................................................................................................ Ballroom C
Please check the Kidney Week mobile app or ASN website for session details.
**Cellular Metabolism in Kidney and Urologic Diseases** ............................................................... Room 146 C  
Moderators: Alessandra Boletta, Eugene Rhee  

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Presenter(s)</th>
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<tbody>
<tr>
<td>4:30 p.m.</td>
<td>Tryptophan Metabolism in Hypoxic Preconditioning</td>
<td>Pinelopi Kapitsinou</td>
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<tr>
<td>5:00 p.m.</td>
<td>Glucose Metabolism in PKD</td>
<td>Thomas Weimbs</td>
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<tr>
<td>5:30 p.m.</td>
<td>Identifying Metabolic Targets in Kidney Cancer</td>
<td>Robert Weiss</td>
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<tr>
<td>6:00 p.m.</td>
<td>The Role of Mitochondrial Metabolism in CKD</td>
<td>Krisztian Stadler</td>
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**Better Luck Next Time: Planning for a Second Transplant** .................................................. Room 151  
Moderators: Christopher Blosser, Krista Lentine  

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Presenter(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4:30 p.m.</td>
<td>State-of-the-Art Immunologic Evaluation of the Repeat Transplant Candidate</td>
<td>Chris Wiebe</td>
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<tr>
<td>5:00 p.m.</td>
<td>Should First and Repeat Transplant Candidates Be Treated Equally on the Waitlist?</td>
<td>Matthew Kadatz</td>
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<tr>
<td>5:30 p.m.</td>
<td>Psychosocial Considerations for a Second Living Donor Transplant?</td>
<td>Rebecca Hays</td>
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<tr>
<td>6:00 p.m.</td>
<td>Managing the Three “I”s: Immunosuppression, Immunology, and Infection</td>
<td>Deborah Adey</td>
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**Conservative and Palliative Care for the Dialysis Patient** .................................................. Room 146 A/B  
Moderators: Edwina Brown, Richard Knight  

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
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<td>Navigating the Uncomfortable: Advanced Directives and Making End-of-Life Decisions</td>
<td>Vanessa Grubbs</td>
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<tr>
<td>5:00 p.m.</td>
<td>Not Ready to Go Yet: Dialysis Options for the Hospice Patient</td>
<td>Molly Feely</td>
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<tr>
<td>5:30 p.m.</td>
<td>Comprehensive Conservative Care for the Dialysis Patient</td>
<td>Aine Burns</td>
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<tr>
<td>6:00 p.m.</td>
<td>Dialysis Versus Conservative Care for the Elderly Patient with ESRD</td>
<td>Susan Wong</td>
</tr>
</tbody>
</table>

**Novel Therapeutics in CKD: What Is on the Horizon?** ......................................................... Ballroom B  
Moderators: Whitney Besse, Lilach Lerman  

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Presenter(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4:30 p.m.</td>
<td>CKD and Glomerulopathies: Are We on the Horizon of New Therapeutic Approaches?</td>
<td>Sumant Chugh</td>
</tr>
<tr>
<td>5:00 p.m.</td>
<td>The Role of Bariatric Surgery in Treating CKD</td>
<td>Alex Chang</td>
</tr>
<tr>
<td>5:30 p.m.</td>
<td>Mineralocorticoid Receptor Antagonism in CKD: Current Evidence and Ongoing Trials</td>
<td>Michael Walsh</td>
</tr>
<tr>
<td>6:00 p.m.</td>
<td>Vasopressin and Vaptans in ADPKD</td>
<td>Meyeon Park</td>
</tr>
</tbody>
</table>

**Complement Complement Everywhere: What Does It All Mean?** ............................................. Ballroom A  
Moderators: Paolo Cravedi, Nicole Van De Kar  

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Presenter(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4:30 p.m.</td>
<td>Pathogenesis of Complement-Mediated Podocyte Injury in FSGS</td>
<td>Joshua Thurman</td>
</tr>
<tr>
<td>5:00 p.m.</td>
<td>Complement in Atypical Hemolytic Uremic Syndrome and C3 Glomerulopathy</td>
<td>Craig Langman</td>
</tr>
<tr>
<td>5:30 p.m.</td>
<td>Complement in IgA Nephropathy</td>
<td>Jonathan Barratt</td>
</tr>
<tr>
<td>6:00 p.m.</td>
<td>Complement in Pauci-Immune Glomerulonephritis</td>
<td>David Jayne</td>
</tr>
</tbody>
</table>

**Entrepreneurship and Innovation in Kidney Care** .................................................................. Room 140  
ASN thanks its Innovation and Discovery Task Force for assistance with this session.  
Moderators: S. Ananth Karumanchi, Lisa Robinson  

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Presenter(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4:30 p.m.</td>
<td>Nuts and Bolts of Starting a “New Start-up Company” in Renal Space</td>
<td>Stephen T. Reeders</td>
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<tr>
<td>5:00 p.m.</td>
<td>From the Laboratory to the Clinic</td>
<td>James Shayman</td>
</tr>
<tr>
<td>5:30 p.m.</td>
<td>Manufacturing a Regulatory Environment to Support Advances in Kidney Care</td>
<td>Richard McFarland</td>
</tr>
<tr>
<td>6:00 p.m.</td>
<td>Patients Hold the Keys to Successful Innovation</td>
<td>Karin Hehenberger</td>
</tr>
</tbody>
</table>
**Advances in PKD: From Omics to Therapeutics**

Moderators: Michael Kottgen, Terry Watnick

4:30 p.m.  **FR-OR001** Targeting the Cell Cycle in ADPKD: The Role of Cyclin-Dependent Kinase 1 – Bruno Eduardo Pedroso Balbo

4:42 p.m.  **FR-OR002** Single-Cell Transcriptomics Reveals Direct Target Genes Regulated by Pkd1 in Mouse Kidneys – Xiaoyan Li

4:54 p.m.  **FR-OR003** The Polycystin Complex Is Essential for Cilia Disassembly – Vasileios Gerakopoulos

5:06 p.m.  **FR-OR004** Deletion of Ift-A Gene, Thm1, in a Pkd2 Early-Onset ADPKD Mouse Model Has Renal Tubular-Specific Attenuating and Synergistic Effects – Wei Wang

5:18 p.m.  **FR-OR005** Molecular Regulation of Polycystin TRP Channels – Paul DeCaen

5:30 p.m.  **FR-OR006** Regulation of PKD2 Channel Function by PKD1 – Biswajit Padhy

5:42 p.m.  **FR-OR007** The Role of Polycystin 1 in the Polycystin-1/Polycystin-2 Channel – Zhifei Wang

5:54 p.m.  **FR-OR008** Ketosis Inhibits and Reverses Renal Cyst Growth in Polycystic Kidney Disease – Paul DeCaen

6:06 p.m.  **FR-OR009** Urinary Alanine/Citrate Ratio Associates with the Rate of Kidney Function Decline in ADPKD Patients – Shosha Dekker

6:18 p.m.  **FR-OR010** Dissection of the Therapeutic Effect of Glucosylceramide Synthase Inhibition on Polycystic Kidney Disease Progression in Adult Pkd1 RC/RC Mice – Thomas Natoli

**AKI: Epidemiology, Processes of Care, and Outcomes**

Moderators: Katja Gist, Ladan Golestaneh

4:30 p.m.  **FR-OR011** Membrane Filtration of Contaminated Water with Used Dialyzers Reduces the Incidence of Diarrhea in Rural Communities in Developing Countries – Jochen Raimann

4:42 p.m.  **FR-OR012** Relationship of Acute Kidney Disease (AKD) to Long-Term Outcomes After AKI – Isma Kazmi

4:54 p.m.  **FR-OR013** Renal Recovery Patterns After AKI Influence Mortality – Alexander Zarbock

5:06 p.m.  **FR-OR014** Hospitalizations, AKI, and Longitudinal Kidney Function in HIV+ Patients – Ani Chilingirian

5:18 p.m.  **FR-OR015** Nephrologist Follow-Up vs. Usual Care After an AKI Hospitalization (FUSION): A Randomized Pilot Trial – Samuel Silver

5:30 p.m.  **FR-OR016** Clinical Outcomes and Disparities Associated with ESKD due to AKI in the United States – Silvi Shah

5:42 p.m.  **FR-OR017** Outcomes of AKI Patients Receiving Dialysis in ESRD Facilities – Jonathan Segal

5:54 p.m.  **FR-OR018** Incidence and Clinical Outcomes of Outpatient Dialysis for AKI Among Medicare Beneficiaries – Eric Weinhandl

6:06 p.m.  **FR-OR019** Electronic Alert and a Bundle of Care Reduces Progression and Mortality of AKI Patients – Ana Carolina Tome

6:18 p.m.  **FR-OR020** Development of Machine Learning Models for Predicting AKI Onset Using Electronic Medical Records – Eiichiro Uchino
**AKI: Mechanisms - Inflammation and AKI-CKD Transition**

Room 202

Moderators: Katherine Kelly, Christof Westenfelder

**Friday, November 8, 4:30 p.m. – 6:30 p.m.**

**Macrophage COX-2 Protects Against AKI via Promotion of M2 Polarization and Efferocytosis** – Yu Pan

**Genetically Augmenting Renal Lymphangiogenesis Protects Against Inflammation Following AKI** – Gaurav Baranwal

**Neutrophil Extracellular Traps Are Triggered by C3 and Contribute to AKI** – Jian-xin Wan

**IL-6-Mediated Hepatocyte Production Is the Primary Source of Plasma and Urine Neutrophil Gelatinase-Associated Lipocalin (NGAL) During AKI** – Nataliya Skrypnyk

**Lung Double Negative (αβ CD4−CD8−) T Cells Respond to AKI and Can Directly Protect from Lung Injury: A Protective Mediator During Kidney-Lung Cross-Talk?** – Errol Bush

**CD4 T Cell-Derived Neutrophil Gelatinase-Associated Lipocalin (NGAL) Mediates Ischemia Reperfusion-Induced AKI** – Sul A Lee

**Autophagy Stimulation of FGF2 in Tubular Cells Activates Renal Fibroblasts and Promotes Interstitial Fibrosis During AKI-CKD Transition** – Man Livingston

**Inactivation of Endothelial HIF Polyhydroxylases Following Ischemic AKI Promotes Kidney Fibrosis** – Ratnakar Tiwari

**Prevalence, Progression, and Implications of Breast Artery Calcification in Patients with CKD** – Pieter Evenepoel

**Sevelamer Therapy Associates with a Disturbed Microbial Metabolism in Patients with ESRD** – Lu Dai

**A Randomized Trial of Optimal Phosphate Range for Coronary Artery Calcification in Dialysis Patients** – Yoshitaka Isaka

**Effects of Long-Term Bisphosphonate, a Fully Human Monoclonal Antibody Against FGF23, on Phosphorus, Calcium, and Nephrocalcinosis in Adults with X-Linked Hypophosphatemia** – Anthony Portale

**EOS789, a Novel Pan-Inhibitor of NaPi-IIb/PiT-1/PiT-2, Decreased Intestinal Phosphate Absorption in Hemodialysis Patients Measured by Sensitive and Direct Method Using 33P: A Phase 1b Clinical Trial** – Sharon Moe

**Fractional Phosphorus Absorption Is Inappropriately Normal and Does Not Correlate with 24-Hour Urine Phosphorus in Patients with Moderate CKD Compared with Healthy Adults** – Elizabeth Stremke

**Prevalence, Progression, and Implications of Breast Artery Calcification in Patients with CKD** – Pieter Evenepoel

**Sevelamer Therapy Associates with a Disturbed Microbial Metabolism in Patients with ESRD** – Lu Dai

**Serum Sclerostin: A Useful Biomarker of CKD-MBD** – Annelies De maré

**Impact of Kidney Transplantation on Bone Microarchitecture: A Longitudinal Study** – Catarina Meng

**Vitamin D3 Repletion Improves Vascular Function, as Measured by Full-Length Osteopontin, in a High-Risk African American Cohort** – Susanne Nicholas

**Phosphate Lowering to Treat Vascular Dysfunction in CKD** – Anna Jovanovich
Friday, November 8, 4:30 p.m. – 6:30 p.m.

**Development and Stem Cells**

**Moderators:** Zubaida Saifudeen, Kameswaran Surendran

**Room 152**

4:30 p.m. **FR-OR041** Disruptions to Neurovascular Patterning Affect Kidney Development and Adult Function – Samuel Honeycutt

4:42 p.m. **FR-OR042** Observation of Renin Lineage Cell Migration Following Local Laser Damage by Longitudinal Intravital Multiphoton Microscopy – Lisa Raith

4:54 p.m. **FR-OR043** Differentiation of Stromal Cells to Renin Cells During Embryonic Vascular Development – Vidya Nagalakshmi

5:06 p.m. **FR-OR044** Tubule Interconnection After Zebrafish Kidney Injury – Caramai Kamei

5:18 p.m. **FR-OR045** Distinct States of Chromatin Accessibility and MicroRNA Expression in Nephron Progenitor Cells During Development – Andrew Clugston

5:30 p.m. **FR-OR046** Mass Spectrometric Analysis of the Extracellular Matrix During Renal Development – Sarah Lipp

5:42 p.m. **FR-OR047** Generation of Functional Human Kidney Tissues from Metanephric Nephron Progenitors and Ureteric Bud Cells Separately Differentiated from Human iPSC Cells – Hiraku Tsujimoto

5:54 p.m. **FR-OR048** Application of Cellular Extrusion Bioprinting to Improve Kidney Organoid Patterning – Jessica Vanslambrouck

6:06 p.m. **FR-OR049** Improved Human Pluripotent Stem Cell-Derived Kidney Organoids for Modeling Collecting Duct Biology and Tubular Injury – Kohei Uchimura

6:18 p.m. **FR-OR050** An Approach for Improving iPSC-Derived Ureteric Epithelial Identity In Vitro – Sara Howden

**Genes, Environment, and Lifestyle: Risk Factors for CKD**

**Moderators:** Lesley Inker, Meghan Sise

**Salon C**

4:30 p.m. **FR-OR051** Association Between Ambient Fine Particulate Matter Air Pollution and Death due to CKD – Benjamin Bowe

4:42 p.m. **FR-OR052** Particulate Matter, Albuminuria, and CKD: The ARIC Study – Matthew Blum

4:54 p.m. **FR-OR053** Environment-Wide Association Study on CKD in the National Health and Nutrition Examination Survey (1999–2016) – Jeonghwan Lee

5:06 p.m. **FR-OR054** Genetic Determinants of CKD Progression Among Individuals Without Diabetes: The Million Veteran Program – Cassianne Robinson-Cohen

5:18 p.m. **FR-OR055** Kidney Function Decline Among African Americans with Sickle Cell Trait and Sickle Cell Disease – Kabir Olaniran

5:30 p.m. **FR-OR056** Sickle Cell Trait (SCT) and CKD Progression Among African Americans in the Chronic Renal Insufficiency Cohort (CRIC) Study – Vimal Derebail

5:42 p.m. **FR-OR057** Progressive CKD and Mortality as Predicted by Renal Histology After Radical Nephrectomy – Hisham Elsherbiny

5:54 p.m. **FR-OR058** Effects of Different Serum Bicarbonate Levels on Muscle Mass and Renal Function Among CKD Patients with Metabolic Acidosis: A Randomized Controlled Trial – Somrath Srijaruneruang

6:06 p.m. **FR-OR059** Impaired Sleep Quality Is Associated with Incident Albuminuria in Hispanics/Latinos: Findings from the Hispanic Community Health Study/Study of Latinos (HCHS/SOL) – Sajid Ansari

6:18 p.m. **FR-OR060** Effect of Medicaid Expansion on the Incidence of ESRD Among Nonelderly Adults – Rebecca Thorsness
Friday, November 8, 4:30 p.m. – 6:30 p.m.

Genetic Diseases and the Kidneys ................................................................. Room 144
Moderators: Agnieszka Bierzynska, Nora Franceschini

4:30 p.m.  FR-OR061 A Novel Therapeutic Strategy for Autosomal Dominant Tubulointerstitial Kidney Disease – Moran Dvela levitt
4:42 p.m.  FR-OR062 High Prevalence of C-Terminal CUBN Variants Associated with Chronic Proteinuria and Normal Renal Function in Humans – Matias Simons
4:54 p.m.  FR-OR063 Phenome-Wide Association Study (PheWAS) of Common Genetic Variants for UMOD in the Million Veteran Program (MVP) Participants – Elvis Akwo
5:06 p.m.  FR-OR064 De Novo Truncating TRIM8 Mutations Cause a Novel Pediatric Neuro-Renal Syndrome and Abrogate Protein Localization to Nuclear Bodies – Amar Majmundar
5:18 p.m.  FR-OR065 Homozygous Variants in NOS1AP from a Patient with Steroid-Resistant Nephrotic Syndrome Cause Podocyte Polarity Dysregulation and Aberrant Glomerulogenesis in Human iPSC Kidney Organoids – Thomas Forbes
5:30 p.m.  FR-OR066 Exon Skipping Therapy for COL4A5 Gene Truncating Variant Rescued Progression of Kidney Failure in X-Linked Alport Syndrome – Tomohiko Yamamura
5:42 p.m.  FR-OR067 Copy Number Variation and Genome-Wide Association Studies Identify Risk Loci with Large Effects on Vesicoureteral Reflux – Miguel Verbitsky
5:54 p.m.  FR-OR068 Genome-Wide Polygenic Score and Urinary Tract Stone Diagnosis in a Multiethnic Cohort – Ishan Paranjpe
6:06 p.m.  FR-OR069 Next-Generation Sequence Analysis of Genetically Unsolved Primary Hyperoxaluria (PH) or Dent-Diagnosed Patients Resolved 10% of Cases with 11 Genes Implicated – Ronak Shah
6:18 p.m.  FR-OR070 Nationwide Diagnostic Yield of Clinical Genomics in Patients with Suspected Genetic Kidney Disease – Kushani Jayasinghe

Hypertension and CVD: Mechanisms ......................................................... Room 206
Moderators: Thu Le, Paul Welling

4:30 p.m.  FR-OR071 Circadian BP Rhythm as a Possible Key Target of SGLT2 Inhibitors for DKD: Yokohama Add-on Inhibitory Efficacy of Dapagliflozin on Albuminuria in Japanese T2DM Patients (Y-AIDA) Study – Kouichi Tamura
4:42 p.m.  FR-OR072 Activation of G Protein-Coupled Estrogen Receptor Ameliorates Proteinuria in Dahl Salt-Sensitive Female Rats – Eman Gohar
4:54 p.m.  FR-OR073 Sex-Related Differences in the Intratubular Renin-Angiotensin System (RAS) in 2-Kidney 1-Clip Hypertensive Rats – Yang gyun Kim
5:06 p.m.  FR-OR074 Central EP3 Receptors Mediate Salt-Sensitive Hypertension and Immune Activation – Liang Xiao
5:18 p.m.  FR-OR075 Mutation of the Furin Cleavage Site in the (Pro)Renin Receptor Attenuates Angiotensin II-Induced Hypertension and Albuminuria – Nirupama Ramkumar
5:30 p.m.  FR-OR076 Connexin40 (Cx40) Knockout Rat Has Impaired Renal Autoregulation – William Cupples
5:42 p.m.  FR-OR077 Myocardial Infarction in an Inducible Hypertensive Rat Model: Does Spirololactone Reduce Renal Fibrosis? – Catherine Leader
5:54 p.m.  FR-OR078 Experimental Renovascular Disease Induces Endothelial Cell Mitochondrial Damage and Impairs Endothelium-Dependent Relaxation of Renal Artery Segments – Arash Aghajani Nargesi
6:06 p.m.  FR-OR079 Opposite Regulation of Renal and Cerebral Microarteriolar Angiotsin II Contractility by Specific Endothelial Prostaglandin Pathways – Christopher Wilcox
6:18 p.m.  FR-OR080 Sox6 Ablation in Renin Expressing Cells Has Protective Function Against Renovascular Hypertension and Kidney Damage – Mohammad Saleem
Friday, November 8, 4:30 p.m. – 6:30 p.m.

Lupus and Then Some ..................................................................................................................... Ballroom C
Moderators: Nicole Andeen, Dana Rizk

4:30 p.m.  FR-OR081 Investigating the Role of CD40-CD154 Interactions in Lupus Nephritis – James Rush
4:42 p.m.  FR-OR082 Modified Immune Cell (MIC) Therapy Ameliorates Murine Lupus Nephritis and Induces Regulatory B Cells In Vivo – Claudius Speer
4:54 p.m.  FR-OR083 Adeno-Associated Virus-Mediated Factor H Gene Therapy in a Murine Model of Complement-Dependent Thrombotic Microangiopathy and Systemic Thrombophilia – Daisuke Ito
5:06 p.m.  FR-OR084 Urinary Soluble CD163: A Non-Invasive Biomarker of Activity for Lupus Nephritis – Juan Mejia-Vilet
5:18 p.m.  FR-OR085 Proliferation and Changes in Cellular Signatures in Memory B Cells from Lupus Nephritis Patients Receiving Mycophenolate or Azathioprine Maintenance – Desmond Yap
5:30 p.m.  FR-OR086 Kidney Biopsy-Based Management of Maintenance Immunosuppression in Lupus Nephritis – Ana Malvar
5:42 p.m.  FR-OR087 Validation of C3 Glomerulopathy Histopathologic Index in a Large Multicenter Cohort Study – Fernando Caravaca-Fontan
5:54 p.m.  FR-OR088 National Observational Study Monitoring the Restrictive Regimen of Eculizumab Therapy in aHUS in the Netherlands – Romy Bouwmeester
6:06 p.m.  FR-OR089 Evaluation of the Endothelin A Receptor Antagonist Zibotentan in Systemic Sclerosis-Associated CKD – Edward Stern
6:18 p.m.  FR-OR090 Risk Factors for Infection in Patients with Glomerular Disease: An Analysis of the Cure Glomerulonephropathy (CureGN) Study – Dorey Glenn

New Techniques and Breakthroughs in Renal Pathology ..................................................................................................................... Salon A/B
Moderators: Kerstin Amann, Leal Herlitz

4:30 p.m.  FR-OR091 Clinical Exome Sequencing for Renal Disorders – Parker Wilson
4:42 p.m.  FR-OR092 Proliferative Glomerulonephritis with Monoclonal Light Chain Deposits – Samih Nasr
4:54 p.m.  FR-OR093 Prevalence of Exostosin 1/Exostosin 2-Associated Membranous Lupus Nephritis – Aishwarya Ravindran
5:06 p.m.  FR-OR094 Renal Polypirrolidone Deposition from Illicit Drug Use Is Associated with Tubulointerstitial Nephropathy – Ida Stalund
5:18 p.m.  FR-OR095 Chronic Interstitial Nephritis in Agricultural Communities (CINAC): A Toxin-Induced Proximal Lysosomal Tubulopathy – Benjamin Vervaet
5:30 p.m.  FR-OR096 Integrative Analysis of Single Cell and Bulk Transcriptomic Data Identifies FSGS Subgroup with Endothelial Cell Activation – Rajasree Menon
5:42 p.m.  FR-OR097 Evaluation of a Computer-Aided Quality Assessment of Whole Slide Images for Computational Pathology – Yijiang Chen
5:54 p.m.  FR-OR098 Assessment of Renal Function by Advanced Light Sheet Microscopy and 3D Image Analyses: Quantification of Albumin Filtration/Reabsorption at the Single-Nephron Level in Rodents – Mette Østergaard
6:06 p.m.  FR-OR099 Visualizing the N-Linked Glycome within Human Kidney Biopsies Using Mass Spectrometry Imaging – Christopher Anderton
6:18 p.m.  FR-OR100 Iterative Indirect Immunofluorescence Imaging for Tissue (4iT): The First Step Towards Spatial Proteomic Maps – Victor Puelles
Friday, November 8, 4:30 p.m. – 6:30 p.m.

**Peritoneal Dialysis: Innovations and Clinical Practice**

**Room 147**

Moderators: Peter Blake, Susie Lew

<table>
<thead>
<tr>
<th>Time</th>
<th>Presentation</th>
</tr>
</thead>
<tbody>
<tr>
<td>4:30 p.m.</td>
<td><strong>FR-OR101</strong> Effect of Automated Wearable Artificial Kidney (AWAK) Device on Toxin Clearance and Safety in Peritoneal Dialysis Patients – Marjorie Foo</td>
</tr>
<tr>
<td>4:42 p.m.</td>
<td><strong>FR-OR102</strong> Inhibition of Hyperglycolysis in Mesothelial Cells Prevents Peritoneal Fibrosis – Meijun Si</td>
</tr>
<tr>
<td>4:54 p.m.</td>
<td><strong>FR-OR103</strong> Identifying MiRNA Biomarkers for Diagnosis of Encapsulating Peritoneal Sclerosis – Chiu-Ching Huang</td>
</tr>
<tr>
<td>5:06 p.m.</td>
<td><strong>FR-OR104</strong> Lung Ultrasound B-Lines and Oxygen Status in Automated Peritoneal Dialysis Patients – Christos Argyropoulos</td>
</tr>
<tr>
<td>5:18 p.m.</td>
<td><strong>FR-OR105</strong> Initiation of Peritoneal Dialysis in Patients with Cardiorenal Syndrome Reduces Subsequent Hospitalization – Bourne Auguste</td>
</tr>
<tr>
<td>5:30 p.m.</td>
<td><strong>FR-OR106</strong> Associations Between Body Mass Index, Kt/V, and Outcomes Among Patients Treated with Peritoneal Dialysis – Scott Sibbel</td>
</tr>
<tr>
<td>5:42 p.m.</td>
<td><strong>FR-OR107</strong> Prognostic Significance of Carotid Plaque Presence in Peritoneal Dialysis Patients and Its Association with the Apolipoprotein B/Apolipoprotein A1 Ratio – Yun Chen</td>
</tr>
<tr>
<td>5:54 p.m.</td>
<td><strong>FR-OR108</strong> Peritoneal Dialysis (PD) Modality and Interference in Daily Life: Results from the PDOPPS – Thyago Moraes</td>
</tr>
<tr>
<td>6:18 p.m.</td>
<td><strong>FR-OR110</strong> Combination of Once Weekly Hemodialysis with Peritoneal Dialysis Is Associated with Lower Mortality Compared with Peritoneal Dialysis Alone: A Longitudinal Study – Miho Tagawa</td>
</tr>
</tbody>
</table>

**Translating Discovery to Patients with Diabetic Kidney Disease**

**Room 207**

Moderators: Shweta Bansal, Katalin Susztak

<table>
<thead>
<tr>
<th>Time</th>
<th>Presentation</th>
</tr>
</thead>
<tbody>
<tr>
<td>4:30 p.m.</td>
<td><strong>FR-OR111</strong> Aptamer-Based Plasma Proteomic Profiling Reveals Candidate Proteins Associated with Slow or No Renal Decline in CKD Stage 3 Diabetic Patients – Zaipul I Md Dom</td>
</tr>
<tr>
<td>4:42 p.m.</td>
<td><strong>FR-OR112</strong> Notch Signaling Proteins as Key Factor in the Progression to ESRD in Diabetes – Hiroki Kobayashi</td>
</tr>
<tr>
<td>4:54 p.m.</td>
<td><strong>FR-OR113</strong> Multicentre Prospective Validation of a Urinary Peptidome-Based Classifier for the Diagnosis of Type 2 Diabetic Nephropathy – Nete Tofte</td>
</tr>
<tr>
<td>5:06 p.m.</td>
<td><strong>FR-OR114</strong> Urinary Biomarkers of Injury and Repair and Risk for Kidney Function Decline or Mortality: Results from VA NEPHRON-D – Teresa Chen</td>
</tr>
<tr>
<td>5:18 p.m.</td>
<td><strong>FR-OR115</strong> Proximal Tubular Uptake of Free Fatty Acid (FFA) by Kidney Injury Molecule-1 (KIM-1) Mediates Tubulointerstitial Damage in Diabetic Kidney Disease (DKD), Which Is Attenuated by a Novel Inhibitor – Yutaro Mori</td>
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<tr>
<td>5:30 p.m.</td>
<td><strong>FR-OR116</strong> A Metabolomics-Based Pathway Analysis for How Dapagliflozin May Slow Kidney Function Decline in Patients with Type 2 Diabetes – Skander Mulder</td>
</tr>
<tr>
<td>5:42 p.m.</td>
<td><strong>FR-OR117</strong> Assessing Glomerular Cellularity in Diabetic Human Kidney Biopsies with 3D Tissue Cytometry: Implications for Disease Progression – Angela Sabo</td>
</tr>
<tr>
<td>6:06 p.m.</td>
<td><strong>FR-OR119</strong> Single Nucleus RNA Sequencing of Early Human Diabetic Nephropathy Reveals Transcriptional Changes That Promote Potassium Secretion – Parker Wilson</td>
</tr>
<tr>
<td>6:18 p.m.</td>
<td><strong>FR-OR120</strong> Characterizing the Bioenergetic Profile of Kidney Mitochondria in Human Diabetes – Melinda Coughlan</td>
</tr>
</tbody>
</table>
Friday, November 8, 4:30 p.m. – 6:30 p.m.

Transplantation: Basic Research .................................................................................................................. Room 150

Moderators: Xun-Rong Luo, Leonardo Riella

4:30 p.m. FR-OR121 Non-HLA Antibodies Targeting Angiotensin II Type 1 Receptor and Endothelin 1 Type A Receptors Induce Endothelial Injury via β2-Arrestin Link to mTOR Pathway – Duska Dragun

4:42 p.m. FR-OR122 Tissue Resident Memory T Cells in Mouse Renal Transplantation – Khodor Abou Daya

4:54 p.m. FR-OR123 Single Cell RNA Sequencing of Antibody-Mediated Rejection and Control Kidney Transplant Biopsies Reveals Endothelial, T-Cell, and Monocyte Intercellular Communication and Host-Donor Chimerism – Andrew Malone

5:06 p.m. FR-OR124 Modulation of ischemia-Reperfusion Injury (IRI) Post-Renal Transplantation in Estrogen Receptor-α Knockout (ER α-KO) Mice and by Selective Estrogen Receptor Modulators (SERM) – Paul Hernandez

5:18 p.m. FR-OR125 Protective Role of Kynurenine 3-Monooxygenase in Kidney Allograft Rejection – Youli Wang

5:30 p.m. FR-OR126 Tertiary Lymphoid Organs in Renal Chronic Allograft Rejection – Khodor Abou Daya

5:42 p.m. FR-OR127 Deciphering Shared Gene Expression Patterns by Whole-Genome Transcriptomics of Urinary Cells and Kidney Allograft Biopsies – Michelle Lubetzky

5:54 p.m. FR-OR128 Altered Gut Microbial Fermentation and Colonization with Methanobrevibacter smithii in Renal Transplant Recipients – Tim Knobbe

6:06 p.m. FR-OR129 Extracellular Vesicles Mediate Complement Activation and Tubular Senescence in Renal Antibody-Mediated Rejection – Giuseppe Castellano

6:18 p.m. FR-OR130 Distinct Metabolic Signatures of Murine Kidney Allograft Rejection and Ischemia-Reperfusion Injury (IRI) – Erum Hartung
<table>
<thead>
<tr>
<th>Poster Topics</th>
<th>Board #s</th>
</tr>
</thead>
<tbody>
<tr>
<td>NIH/NIDDK and Informational Posters – II</td>
<td>001–036</td>
</tr>
<tr>
<td>AKI: Epidemiology, Risk Factors, Prevention – II</td>
<td>037–085</td>
</tr>
<tr>
<td>AKI: Clinical Outcomes, Trials</td>
<td>086–125</td>
</tr>
<tr>
<td>AKI: Mechanisms – Inflammation/Sepsis/Remote Injury</td>
<td>126–178</td>
</tr>
<tr>
<td>Bone and Mineral Metabolism: Phosphorus, FGF23, Vascular Calcification</td>
<td>179–222</td>
</tr>
<tr>
<td>Diabetic Kidney Disease: Basic – II</td>
<td>223–260</td>
</tr>
<tr>
<td>Diabetic Kidney Disease: Advancing Treatment</td>
<td>261–310</td>
</tr>
<tr>
<td>CKD: Clinical, Outcomes, Trials – II</td>
<td>311–344</td>
</tr>
<tr>
<td>CKD: Mechanisms – II</td>
<td>345–396</td>
</tr>
<tr>
<td>Hemodialysis and Frequent Dialysis – III</td>
<td>397–447</td>
</tr>
<tr>
<td>Hemodialysis and Frequent Dialysis – IV</td>
<td>448–499</td>
</tr>
<tr>
<td>Peritoneal Dialysis: Modality, Catheter, Infections</td>
<td>500–537</td>
</tr>
<tr>
<td>Dialysis and Vascular Trainee Case Reports</td>
<td>538–584</td>
</tr>
<tr>
<td>Fluid and Electrolytes: Basic – I</td>
<td>585–626</td>
</tr>
<tr>
<td>Fluid and Electrolytes: Clinical – Acid-Base, Magnesium, Calcium, Phosphorus</td>
<td>627–645</td>
</tr>
<tr>
<td>Fluid and Electrolytes: Clinical – Potassium, Sodium, Water</td>
<td>646–667</td>
</tr>
<tr>
<td>Electrolytes and Cancer Trainee Case Reports</td>
<td>668–706</td>
</tr>
<tr>
<td>Cystic Kidney Diseases: Clinical/Translational</td>
<td>707–748</td>
</tr>
<tr>
<td>Development and Organoid Models</td>
<td>749–780</td>
</tr>
<tr>
<td>Genetic Diseases of the Kidney - II</td>
<td>781–811</td>
</tr>
<tr>
<td>Glomerular Diseases: Immunology, Inflammation – I</td>
<td>812–854</td>
</tr>
<tr>
<td>Glomerular Diseases: Membranous Nephropathy, SLE, Complement</td>
<td>855–906</td>
</tr>
<tr>
<td>Glomerular Diseases: Podocyte Biology – II</td>
<td>907–952</td>
</tr>
<tr>
<td>Pathology and Lab Medicine: Basic</td>
<td>953–1002</td>
</tr>
<tr>
<td>Onco-Nephrology: Basic</td>
<td>1003–1013</td>
</tr>
<tr>
<td>Hypertension and CVD: Clinical Outcomes, Trials</td>
<td>1014–1061</td>
</tr>
<tr>
<td>Pediatric Hypertension, AKI, Urologic Disorders</td>
<td>1062–1100</td>
</tr>
<tr>
<td>Transplantation: Basic</td>
<td>1101–1128</td>
</tr>
<tr>
<td>Transplantation: Clinical – Post-Transplant Complications</td>
<td>1129–1176</td>
</tr>
<tr>
<td>Transplantation: Clinical – Immunosuppression, Adherence, Outcomes</td>
<td>1177–1210</td>
</tr>
</tbody>
</table>

Abstract details are available in the Kidney Week mobile app and at www.ASN-online.org/KidneyWeek.

Your Annual Meeting registration includes complimentary access to ePosters, a resource that transforms the poster hall into an online mobile experience—both during and after the meeting. View uploaded posters at www.ASN-online.org/kw-eposters.
This fall, ASN will be accepting manuscripts for its newest publication, *Kidney360*. This open-access journal will offer a variety of content to cover the diverse world of kidney research. In addition to Original Investigations, *Kidney360* will publish Brief Communications, Reviews, Perspectives, and Editorials.
DAY-AT-A-GLANCE: Saturday, November 9

8:00 a.m. - 9:30 a.m.
Plenary: NephSAP Recognition, KSAP Recognition, Robert G. Narins Award Presentation, State-of-the-Art Lecture ................................................................. Hall D

9:30 a.m. - 2:30 p.m.
Morning Break (9:30 a.m. - 10:00 a.m.) ................................................................. Exhibit Halls A/B
Scientific Exposition and Posters (9:30 a.m. - 2:30 p.m.) ..................................... Exhibit Halls A/B
Poster Presentations by Authors (10:00 a.m. - 12:00 p.m.) ............................. Exhibit Halls A/B
KidneyX Innovator Pitch Showcase (10:00 a.m. - 12:00 p.m.) ........................ Exhibit Hall A

10:30 a.m. - 12:30 p.m.
Basic/Clinical Science Sessions

Clinical Practice Sessions
Challenges in Pediatric Kidney Transplantation ......................................................... Room 152
Contrast-Associated AKI: Does It Exist and What Should We Tell Patients? .......... Ballroom B
Moving Toward Excellence in the Provision of Peritoneal Dialysis ....................... Room 146 A/B

Translational Sessions
Hypertension and AKI in Pregnancy .......................................................................... Room 202
More than Meets the Eye: Kidney Imaging Meets Big Data ..................................... Room 201
PLA2R Just Turned 10! All the Things We Have Learned ........................................ Ballroom A

Special Session
The Time Is Now: Using Partnerships to Spur Innovation ......................................... Room 140

12:45 p.m. - 1:45 p.m.
Educational Symposia (Marriott Marquis Washington, DC) - Doors open at 12:30 p.m.
Limited seating; first-come, first-serve to fully paid Annual Meeting participants.

2:00 p.m. - 4:00 p.m.
Basic/Clinical Science Sessions

A Closer Look at Claudins and Their Role in Mineral Disturbances ......................... Room 145
Adapt or Perish: Renal Metabolism in AKI and CKD .............................................. Room 207
Advances in Renal Ion Channel Physiology .............................................................. Room 146 C
Cell Fate Choices in Kidney Development ............................................................... Room 152
Clinical Research in Nephrology: Trials, Trends, and Tools ................................. Room 140
Cytoprotection: New Guardians of the Kidneys Coming to the Fore ....................... Ballroom B
Extracellular Vesicles as Novel Biomarkers and Bioactivators in Hypertension and Kidney Diseases ................................................................. Room 206
Global Challenges of CKD ......................................................................................... Room 143
Location, Location, Location: Geographic Variation in Kidney Transplantation ....... Room 151
Metabolic Reprogramming in Polycystic Kidney Disease ........................................ Room 147
Metabolomics and Uremic Toxins: What Do They Mean for Kidney Diseases? ...... Room 144
Nutrient Metabolism in Diabetic Complications ...................................................... Room 201
The Right Tools for the Job: Model Systems for Glomerular Disease .................... Salon C

Clinical Practice Sessions
Adherence and Hypertension: Can Antihypertensives Work in Patients
Who Don’t Take Them? ............................................................................................. Room 202
Can Lifestyle and Diet Make a Difference for Patients with Diabetes and Kidney Diseases? .............................................................................. Ballroom C
Case Studies in Glomerular Disease ........................................................................ Ballroom A
Individualizing Dialysis in a World of Protocolized Care, Including the Celeste Castillo Lee Memorial Lectureship ................................................. Room 146 A/B
Nephropathology Gone Viral: Viruses and the Kidneys ......................................... Salon A/B
Putting the Patient in Patient-Oriented Clinical Trials ......................................... Room 150
4:00 p.m. – 4:30 p.m.
Afternoon Break ................................................................. Meeting Room Foyers

4:30 p.m. – 6:30 p.m.

**Basic/Clinical Science Sessions**
- CircRNA, IncRNA, eRNA, and miRNA: New Functions of Noncoding RNAs .............. Room 147
- Genes, Epigenetics, and Tubule Transport............................................................... Room 146 C
- Remote Organ Effects in AKI ................................................................................... Ballroom B

**Clinical Practice Sessions**
- Home Dialysis: Breaking Barriers to Delivery of Care .........................................Room 146 A/B
- Renal Biopsy: Clinical Correlations 2019 ............................................................... Room 202

**Special Session**
- It Takes a Village: Perspectives from Four Diverse Communities......................... Room 140

**Oral Abstract Sessions**
- AKI: Onco-Nephrology and Other Drugs................................................................. Salon A/B
- AKI: Risk Factors, Biomarkers, and Predictors ...................................................... Salon C
- ANCA It Is .................................................................................................................. Room 207
- Anemia and Iron Metabolism: Basic Research....................................................... Room 150
- Biomarkers in CKD ................................................................................................. Room 152
- Glomerular Diseases: Technologies, Mechanisms, and Therapeutics ....................... Room 201
- Hemodialysis Potpourri .......................................................................................... Room 144
- Mechanisms of Kidney and Cardiovascular Damage in CKD ............................... Room 206
- Moving the Needle for Treatment of Diabetic Kidney Disease ................................ Ballroom C
- Pathogenesis of Cystic Kidney Diseases .................................................................. Room 143
- Transplantation: Approaches to Improve Post-Transplant Outcomes ..................... Room 151
- Women’s Health and Kidney Diseases ................................................................... Room 145

For more details and updates, download the Kidney Week mobile app, or visit www.ASN-online.org/KidneyWeek.
Plenary: NephSAP Recognition, KSAP Recognition, Robert G. Narins Award Presentation, State-of-the-Art Lecture ..................................................................................................................... Hall D
Support is provided by an educational grant from Akebia Therapeutics.

8:00 a.m. NephSAP Recognition – Gerald Hladik, Jerry Yee
8:10 a.m. KSAP Recognition – Melanie Hoenig
8:15 a.m. Robert G. Narins Award Presentation – Mitchell Rosner
8:30 a.m. State-of-the-Art Lecture “Perspectives on Innovation and Transformation in Kidney Care” – Dean Kamen, Bruce Culleton, Tod Ibrahim

Saturday, November 9, 10:30 a.m. – 12:30 p.m.

Kidney, Bone, and Vasculature: Is the Gut a New Piece of the Puzzle? ........................................... Room 145
Moderators: Linda Fried, Dominic Raj

10:30 a.m. The Role of Gut Microbiota on the Anabolic and Catabolic Effects of PTH in Bone – Jason Stubbs
11:00 a.m. Vitamin D Metabolites and the Gut Microbiome – Deborah Kado
11:30 a.m. Trimethylamine N-Oxide and Deoxycholic Acid: Risk Factors or Novel Therapeutic Targets in CKD – Anna Jovanovich
12:00 p.m. Nicotinamide and Phosphate Homeostasis in CKD – Joachim Ix

Nanoparticles in Transplantation ...................................................................................................... Room 151
Moderators: Jamil Azzi, Valeria Mas

10:30 a.m. Inhibiting Innate Immune Responses with Nanoparticles – Jordi Ochando
11:00 a.m. Nanocarriers of IL6 to Reduce Allograft Injury – Reza Abdi
11:30 a.m. Targeting Rapamycin to Allograft Tissue with Nanoparticles – Satish Nadig
12:00 p.m. Using Nanoparticles to Induce Tolerance in Diabetes – Stephen Miller

Challenges in Pediatric Kidney Transplantation .................................................................Room 152
Moderators: Paul Grimm, Katherine Twombley

10:30 a.m. The Relevance of Non-HLA Antibodies in Renal Transplantation – Abanti Chaudhuri
11:00 a.m. BK Nephropathy in Pediatric Transplant Recipients – Benjamin Laskin
11:30 a.m. Vaccinations in Pediatric Kidney Transplant – Jeffrey Fadrowski
12:00 p.m. EBV and PTLD: Strategies to Mitigate the Post-Transplant Nightmare – Vikas Dharnidharka

Contrast-Associated AKI: Does It Exist and What Should We Tell Patients? ...................... Ballroom B
Moderators: Kevin Finkel, Amy Williams

10:30 a.m. Contrast Does Not Cause AKI – Jennifer McDonald
11:00 a.m. Contrast Is Associated with AKI – Glenn Chertow
11:30 a.m. Interventions to Prevent Contrast-Associated AKI – Steven Weisbord
12:00 p.m. Potential Mechanisms Underlying Contrast-Associated AKI – Daniel Muruve

Moving Toward Excellence in the Provision of Peritoneal Dialysis ......................... Room 146 A/B
Moderators: J. Kevin Tucker, Andrzej Wiecek

10:30 a.m. Food as Medicine: Can It Improve Outcome in Peritoneal Dialysis Patients? – Peter Stenvinkel
11:00 a.m. Fluid Management in Peritoneal Dialysis – Philip Li
11:30 a.m. How to Enhance Membrane Longevity – Olivier Devuyst
12:00 p.m. Early and Urgent Start for Peritoneal Dialysis – Anjali Saxena

Hypertension and AKI in Pregnancy .....................................................................................Room 202
Moderators: Eman Gohar, Jennifer Sasser

10:30 a.m. Postpartum Cardiac Dysfunction After Preeclamptic Pregnancy – Sarosh Rana
11:00 a.m. Cerebrovascular Consequences of Hypertensive Pregnancy – Eliza Miller
11:30 a.m. The Spectrum and Significance of AKI in Pregnancy – Vesna Garovic
12:00 p.m. Management of AKI in the Pregnant Patient – Ursula Brewer
Saturday, November 9, 10:30 a.m. – 12:30 p.m.

More than Meets the Eye: Kidney Imaging Meets Big Data.......................................................... Room 201
Moderators: Ken Dunn, Matthew Palmer

10:30 a.m. Multiplexed Imaging of Protein Targets in the Kidney – Zoltan Laszik
11:00 a.m. Generating Molecular Maps of the Human Kidney Using Mesoscale Next-Gen MALDI Imaging Mass Spectrometry – Jeffrey Spraggins
11:30 a.m. Mesoscale Kidney Imaging Using Tissue Clearing – Matthias Gunzer
12:00 p.m. Quantitative Large-Scale 3D Imaging and Analysis of the Kidney – Tarek El-Achkar

PLA2R Just Turned 10! All the Things We Have Learned ........................................................... Ballroom A
Moderators: Heather Reich, David Salant

10:30 a.m. PLA2R and Anti-PLA2R: A 10-Year Review – Laurence Beck
11:00 a.m. Integrative Approach to the Diagnosis and Classification of Membranous Nephropathy – Krzysztof Kiryluk
11:30 a.m. Understanding the Immune Response to PLA2R: Impact on Treatment and Outcomes – Julia Hofstra
12:00 p.m. Treating Membranous Nephropathy in the Era of PLA2R – Karine Dahan

The Time Is Now: Using Partnerships to Spur Innovation............................................................. Room 140
Moderators: James Smith, Wendy St. Peter

10:30 a.m. Kidney Health Initiative: Grand Challenges and Opportunities – Raymond Harris
11:00 a.m. Redesigning Dialysis: What Will It Take to Get the Job Done – Murray Sheldon
11:30 a.m. Patient-Focused Drug Development: Informing Trial Design and End Points – Aliza Thompson
12:00 p.m. Expanding Community Partners in the Biological Space – Celia Witten

Saturday, November 9, 12:45 p.m. – 1:45 p.m.

Educational Symposia (Marriott Marquis Washington, DC) - Doors open at 12:30 p.m.
Lunch is provided. Limited seating; first-come, first-serve to fully paid Annual Meeting participants.

Anemia, the Hypoxia-Inducible Factor System, and CKD.................................................. Liberty Ballroom
Support is provided by an educational grant from AstraZeneca Pharmaceuticals LP in collaboration with FibroGen.

12:45 p.m. Introduction – Jeffrey Berns, Moderator
12:55 p.m. The Biology of the HIF-PHD Pathway – Pinelopi Kapitsinou
1:15 p.m. HIF-PHD Inhibitors: Evidence from Phase 2 and 3 Clinical Investigations – Steven Fishbane
1:35 p.m. Questions & Answers

Move Over and Make Room for SGLT2 Inhibitors in CKD................................. Independence Ballroom
Support is provided by an educational grant from Janssen Biotech, Inc., administered by Janssen Scientific Affairs, LLC.

12:45 p.m. Introduction – Julie Ingelfinger, Moderator
12:55 p.m. What We Know About SGLT2 Inhibition and the Kidneys – Hiddo Heerspink
1:15 p.m. Clinical Implications and Next Steps for SGLT2 Inhibition in CKD – David Cherney
1:35 p.m. Questions & Answers

NRF2 Pathway: Why Is It Important in Kidney Diseases?................................. Marquis Ballroom, Salon 5
Support is provided by an educational grant from Reata Pharmaceuticals.

12:45 p.m. Introduction – Bruce Molitoris, Moderator
12:55 p.m. Role of NRF2 in Health and CKD: What’s New? – Peter Stenvinkel
1:15 p.m. NRF2 as a Therapeutic Target in CKD – Pablo Pergola
1:35 p.m. Questions & Answers

Ultrafiltration Quality Metric Debate: Too Fast or Too Slow?............................ Marquis Ballroom, Salon 6
Support is provided by an educational grant from Fresenius Medical Care Renal Therapies Group.

12:45 p.m. Introduction: Overview of Volume Management and Assessment in Dialysis – Amir Kazory, Moderator
12:55 p.m. Ultrafiltration Rate Metric: Pro – Connie Rhee
1:15 p.m. Ultrafiltration Rate Metric: Con – Daniel Weiner
1:35 p.m. Questions & Answers
A Closer Look at Claudins and Their Role in Mineral Disturbances

Saturday, November 9, 2:00 p.m. – 4:00 p.m. Room 145
Moderators: Olivier Bonny, Joost Hoenderop

2:00 p.m. Claudins and the Kidneys – R. Todd Alexander
2:30 p.m. Parathyroid Hormone Controls Paracellular Calcium Transport by Regulating Claudin14 – Jianghui Hou
3:00 p.m. Deletion of Claudin-10 Rescues Claudin-16-Deficient Mice from Hypomagnesemia and Hypercalciciuria – Nina Himmerkus
3:30 p.m. Mosaic Expression of Claudins in the Thick Ascending Limb Results in Spatial Separation of Electrolyte Transport – Dorothee Günzel

Adapt or Perish: Renal Metabolism in AKI and CKD

Saturday, November 9, 2:00 p.m. – 4:00 p.m. Room 207
Moderators: Alicia McDonough, Alan Yu

2:00 p.m. Oxidative Metabolism Reprogramming in AKI – Joel Weinberg
2:30 p.m. Impaired Nicotinamide Adenine Dinucleotide Biosynthesis in AKI – Samir Parikh
3:00 p.m. Lipid Remodeling in CKD – Farsad Afshinnia
3:30 p.m. Fatty Acid Metabolism in CKD – Katalin Susztak

Advances in Renal Ion Channel Physiology

Saturday, November 9, 2:00 p.m. – 4:00 p.m. Room 146 C
Moderators: Daria Ilatovskaya, Aylin Rodan

2:00 p.m. Development of Kir Channel Blockers – Jerod Denton
2:30 p.m. Kir5.1 and Renal Salt Handling – Alexander Staruschenko
3:00 p.m. TRPM6, Uromodulin, and Renal Magnesium Balance – Matthias Wolf
3:30 p.m. Polycystin 2 and Calcium Signaling – Ivana Kuo

Cell Fate Choices in Kidney Development

Saturday, November 9, 2:00 p.m. – 4:00 p.m. Room 152
Moderators: Cristina Cebrian Ligero, Samir El-Dahr

2:00 p.m. Control of Collecting Duct Morphogenesis – Gal Finer
2:30 p.m. Differentiation of Distinct Cell Types Within the Collecting Duct Epithelium – Kameswaran Surendran
3:00 p.m. Epigenetic Control of the Nephron Differentiation Program – Jordan Kreidberg
3:30 p.m. Metabolic Control of the Nephron Differentiation Program – Zubaida Saifudeen

Clinical Research in Nephrology: Trials, Trends, and Tools

Saturday, November 9, 2:00 p.m. – 4:00 p.m. Room 140
ASN thanks the Kidney Health Initiative for assistance with this session.
Moderators: Markus Ketteler, Melissa West

2:00 p.m. Past, Current, and Future State of Clinical Trials in Nephrology – Uptal Patel
2:30 p.m. What's in it for Me? A Principal Investigator's Perspective on How Nephrology Can Be Research Ready – Jamie Dwyer
3:00 p.m. Conducting Clinical Trials: Lessons Learned from a Patient and Clinical Research Coordinator – Mary Baliker
3:30 p.m. Equipping Patients and Physicians to Find the Right Nephrotic Syndrome Trial – Joshua Tarnoff

Cytoprotection: New Guardians of the Kidneys Coming to the Fore

Saturday, November 9, 2:00 p.m. – 4:00 p.m. Ballroom B
Moderators: Leslie Gewin, Pinelopi Kapitsinou

2:00 p.m. A Hybrid Cytokine for the Repair of Renal Injury – Rahul Sharma
2:30 p.m. The Role of Isocitrate Dehydrogenase – Robert Bacallao
3:00 p.m. The Role of S-Nitroso-CoA Reductase – Jonathan Stamler
3:30 p.m. The Role of Sex- and Age-Dependent Nephroprotection – Lisa Curtis

Extracellular Vesicles as Novel Biomarkers and Bioactivators in Hypertension and Kidney Diseases

Saturday, November 9, 2:00 p.m. – 4:00 p.m. Room 206
Moderators: Dylan Burger, Peter Yuen

2:00 p.m. MISEV2018: An Update on the Latest Minimal Information for the Study of Extracellular Vesicles – Kenneth Witwer
2:30 p.m. Extracellular Vesicles as Novel Biomarkers in Hypertension – J. Brian Byrd
3:00 p.m. Extracellular Vesicles Modulate Vascular Function in Hypertension – Uta Erdbrügger
3:30 p.m. Regenerative Role of Extracellular Vesicles in Cardiovascular and Renal Disease – Cristina Grange
Global Challenges of CKD ................................................................. Room 143
Moderators: Vivekanand Jha, Valerie Luyckx

2:00 p.m.  Global Kidney Health Atlas: Why We Need It and How It May Affect CKD Worldwide – David Johnson
2:30 p.m.  CKD in the United States and Europe: Juxtaposing the Epidemiology and Evolution – Kitty Jager
3:00 p.m.  Water Contamination, Air Pollution, and Global Warming as Emerging Threats in CKD? – Ziyad Al-Aly
3:30 p.m.  Disparities in CKD: Continued Challenges in the Developed World – Deidra Crews

Location, Location, Location: Geographic Variation in Kidney Transplantation ................. Room 151
Moderators: Richard Formica, Nicole Turgeon
Patient Voice/Commentator: Robert Leibowitz

2:00 p.m.  The Uneven Lay of the Land: Geographic Variation in Donation and Transplantation – Jesse Schold
2:30 p.m.  Is My Organ Procurement Organization a Laggard? – Alexandra Glazier
3:00 p.m.  Integrated Care: How to Ensure Transplant Is Not Lost in the New Mix – Doug Johnson
3:30 p.m.  Ensuring Patients Know the Name of the Game – Janice Lea

Metabolic Reprogramming in Polycystic Kidney Disease ............................................. Room 147
Support is provided by an educational grant from Otsuka America Pharmaceutical, Inc.
Moderators: Michael Caplan, Ronak Lakhia

2:00 p.m.  Rewiring the Citric Acid Cycle in PKD – Alessandra Boletta
2:30 p.m.  Polycystins Regulate Mitochondrial Metabolism – Gregory Germino
3:00 p.m.  AMPK: A Therapeutic Target in ADPKD – York Pei
3:30 p.m.  Targeting Metabolism to Treat PKD – Kenneth Hallows

Nutrient Metabolism in Diabetic Complications ...................................................... Room 201
Moderators: Frank Brosius, Moshe Levi

2:00 p.m.  Warburg Effect and Diabetic Kidney Disease – Kumar Sharma
2:30 p.m.  Regulation of Lysosomal mTORC1 Signaling by Nutrients – Ken Inoki
3:00 p.m.  Cholesterol and Sphingolipid Metabolism and Podocyte Injury – Alessia Fornoni
3:30 p.m.  Dyslipidemia and Diabetic Complications: Insights from Diabetic Kidney Disease and Atherosclerosis – Jenny Kanter

The Right Tools for the Job: Model Systems for Glomerular Disease ......................... Salon C
Moderators: Puneet Garg, John Poulton

2:00 p.m.  Functional Podocytes from Human Induced Pluripotent Stem Cells and Kidney Disease Modeling – Samira Musah
2:30 p.m.  Zebrafish Modeling of Human Glomerular Disease – Nicole Endlich
3:00 p.m.  Drosophila Nephrocytes to Study Glomerular Disease – Zhe Han
3:30 p.m.  Model Systems of Podocyte Regeneration – Stuart Shankland

Adherence and Hypertension: Can Antihypertensives Work in Patients Who Don't Take Them? ................................. Room 202
Moderators: Vimal Derebail, James Luther

2:00 p.m.  The Spectrum of Nonadherence in Hypertension – Sandra Taler
2:30 p.m.  The Phenotype of Intentional Nonadherence and the Role of Direct Measurement – Marcel Ruzicka
3:00 p.m.  Nonadherence: A Patient Viewpoint – Gabi Morales
3:30 p.m.  Self-Monitoring and Adherence – Richard McManus
Can Lifestyle and Diet Make a Difference for Patients with Diabetes and Kidney Diseases? ................................................................................................................. Ballroom C
Moderators: Jordi Goldstein, Robert Nelson

<table>
<thead>
<tr>
<th>Time</th>
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<tr>
<td>2:00 p.m.</td>
<td>Can Lifestyle and Diet Make a Difference for Patients with Diabetes and Kidney Diseases? Pro – Kamyar Kalantar-Zadeh</td>
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<td>2:30 p.m.</td>
<td>Can Lifestyle and Diet Make a Difference for Patients with Diabetes and Kidney Diseases? Con – Srinivasan Beddhu</td>
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<td>3:00 p.m.</td>
<td>Lived Experience of Lifestyle Modification for CKD: A Chef Speaks – Duane Sunwold</td>
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<td>3:30 p.m.</td>
<td>Panel and Audience Discussion – Glenda Roberts</td>
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Case Studies in Glomerular Disease ................................................................................................................. Ballroom A
Moderators: Andrew Bomback, Glen Markowitz
Expert Panel: Miriam Chung, Michelle O’Shaughnessy, Patrick Nachman, Brad Rovin

Individualizing Dialysis in a World of Protocolized Care, Including the Celeste Castillo Lee Memorial Lectureship................................................................................................................. Room 146 A/B
Moderators: Suzanne Watnick, Danielle Wentworth

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<td>2:00 p.m.</td>
<td>Person-Centered Dialysis Care: A Patient’s Perspective, The Celeste Castillo Lee Memorial Lectureship – Derek Forfang</td>
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<td>2:30 p.m.</td>
<td>One Size Does Not Fit All: Individualizing the Hemodialysis Prescription – Brendan Bowman</td>
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<td>3:00 p.m.</td>
<td>One Size Does Not Fit All: Individualizing the Peritoneal Dialysis Prescription – Marjorie Foo</td>
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<td>3:30 p.m.</td>
<td>Goal-Directed Dialysis Care: KDIGO Controversy Conference Considerations – Christopher Chan</td>
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Nephropathology Gone Viral: Viruses and the Kidneys................................................................................................................. Salon A/B
Moderators: Lynn Cornell, Amber Reeves-Daniel

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<td>2:00 p.m.</td>
<td>The Evolving Spectrum of HIV-Associated Renal Disease – Vivette D’Agati</td>
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<td>2:30 p.m.</td>
<td>Modern Therapy for HCV Infection and Related Diseases – Meghan Sise</td>
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<td>3:00 p.m.</td>
<td>Transplanting HCV-Positive Organs into HCV-Negative Recipients – Peter Reese</td>
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<td>3:30 p.m.</td>
<td>Classifying Polyomavirus Nephropathy – Harsharan Singh</td>
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Putting the Patient in Patient-Oriented Clinical Trials ................................................................................................................. Room 150
ASN thanks the KHI Patient and Family Partnership Council for assistance with this session.
Moderators: Richard Lafayette, Allison Tong

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<td>2:00 p.m.</td>
<td>Designing Clinical Trials: Maximizing the Use of Patient Reported Outcomes – Amanda Grandinetti</td>
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<td>2:30 p.m.</td>
<td>Approving New Therapies: How Patients Are Moving the Needle in Regulatory Decisions – Paul Conway</td>
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<td>3:00 p.m.</td>
<td>Medication Adherence: Roadblocks, Assessment, and Solutions – Bethany Foster</td>
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<td>3:30 p.m.</td>
<td>Engaging Patients in Therapeutic Drug Development – John Bridges</td>
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CircRNA, IncRNA, eRNA, and miRNA: New Functions of Noncoding RNAs................................................................................................................. Room 147
Moderators: Karam Aboudehen, Jordan Kriedberg

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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</thead>
<tbody>
<tr>
<td>4:30 p.m.</td>
<td>MicroRNAs in PKD – Ronak Lakhia</td>
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<tr>
<td>5:00 p.m.</td>
<td>Unconventional RNA Forms: Circular RNA – Jeremy Wilusz</td>
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<tr>
<td>5:30 p.m.</td>
<td>Long Noncoding RNAs and CKD – Farhad Danesh</td>
</tr>
<tr>
<td>6:00 p.m.</td>
<td>MicroRNAs in the Developing Kidney – Jacqueline Ho</td>
</tr>
</tbody>
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Genes, Epigenetics, and Tubule Transport .................................................................................................................Room 146 C
Moderators: Vishal Patel, Reena Rao

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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</thead>
<tbody>
<tr>
<td>4:30 p.m.</td>
<td>Genetics of Renal Urate Transport and Gout – Owen Woodward</td>
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<tr>
<td>5:00 p.m.</td>
<td>Aldosterone Signaling and Sodium Transport: Role of MicroRNAs – Michael Butterworth</td>
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<tr>
<td>5:30 p.m.</td>
<td>Histone and Protein Acetylation in Aquaporin Regulation and Function – Kelly Hyndman</td>
</tr>
<tr>
<td>6:00 p.m.</td>
<td>Insights into Collecting Duct Biology from Transcriptomics and Single Cell Sequencing – Mark Knepper</td>
</tr>
</tbody>
</table>
Remote Organ Effects in AKI

Saturday, November 9, 4:30 p.m. – 6:30 p.m.

Ballroom B

Moderators: Lisa Curtis, Didier Portilla

4:30 p.m. Organ Cross-Talk in AKI – Hamid Rabb
5:00 p.m. Kidney-Lung Crosstalk in AKI – Kathleen Liu
5:30 p.m. Acute Renocardiac Syndrome – Kent Doi
6:00 p.m. Gut-Kidney Connection in AKI – Niels Camara

Home Dialysis: Breaking Barriers to Delivery of Care

Room 146 A/B

Moderators: John Agar, Bessie Young

4:30 p.m. The Use of Telemonitoring in Home Dialysis – Arsh Jain
5:00 p.m. Overcoming Barriers in Home Dialysis – Edwina Brown
5:30 p.m. Tailoring the Home Dialysis Prescription to Meet Unique Patient Needs – Jeffrey Perl
6:00 p.m. Finding Correct Incentives in Home Dialysis: Patient-Important Outcomes, Regulations, Costs, and Benefits – Rajnish Mehrotra

Renal Biopsy: Clinical Correlations 2019

Room 202

ASN thanks the Renal Pathology Society for assistance with this session and support of the Digital Pathology Room.

Moderators: Mariam Alexander, Volker Nickeleit

4:30 p.m. Case Study 1 – Kammi Henriksen, Samir Parikh
4:54 p.m. Case Study 2 – Francois Gougeon, Samir Parikh
5:18 p.m. Case Study 3 – Kelly Smith, Samir Parikh
5:42 p.m. Case Study 4 – Aasma Nalwa, Samir Parikh
6:06 p.m. Case Study 5 – Parmjeet Randhawa, Samir Parikh

It Takes a Village: Perspectives from Four Diverse Communities

Room 140

ASN thanks its Diversity and Inclusion Committee for assistance with this session.

Moderators: Deidra Crews, Mitchell Lunn

4:30 p.m. LGBTQ 101: A Primer for Providers and Researchers – Dinushika Mohottige
5:00 p.m. Caring for Latinx Patients – Lilia Cervantes
5:30 p.m. Providing Optimal Care for African-American Patients – Nwamaka Eneanya
6:00 p.m. Understanding the Experiences of People with Physical Disabilities – Cynthia Delgado

Oral Abstract Sessions

AKI: Onco-Nephrology and Other Drugs

Salon A/B

Moderators: Diana Jalal, Charuhas Thakar

4:30 p.m. SA-OR001 Multicenter Study of Immune Checkpoint Inhibitor-Associated AKI – Zoé Kibbelaar
4:42 p.m. SA-OR002 Safety of Immune Checkpoint Inhibitors for Cancer Treatment Among Kidney Transplant Patients: A Systematic Review – Sandhya Manohar
4:54 p.m. SA-OR003 Predictors of AKI in Patients Undergoing CAR T-Cell Therapy – Sherif Metwally
5:06 p.m. SA-OR004 AKI and Electrolyte Abnormalities in Patients Receiving Chimeric Antigen Receptor T-Cell (CAR-T) Therapy – Shruti Gupta
5:18 p.m. SA-OR005 Carfilzomib-Associated Nephrotoxicity: A Systematic Review and Meta-Analysis – Harini Bejanki
5:30 p.m. SA-OR006 Characterization of the Acute eGFR Response to SGLT2-Inhibition with Empagliflozin – Christoph Wanner
5:42 p.m. SA-OR007 Renin-Angiotensin-Aldosterone System Blockade Is Associated with Higher Risk of Contrast-Induced AKI in Patients with Diabetes: A Multicenter Propensity Score-Matched Study – Mengqing Ma
5:54 p.m. SA-OR008 Risk of AKI Among Critically Ill Patients with Concomitant Use of Vancomycin and Piperacillin-Tazobactam: A Meta-Analysis – Mengyao Tang
6:06 p.m. SA-OR009 Does Erythropoetin (Epo) Protect Extremely Low Gestational Age Neonates (ELGANs) Against AKI? – David Askenazi
6:18 p.m. SA-OR010 A Novel Targeting Strategy That Can Prevent Cholesterol Crystal Embolism-Induced AKI and Kidney Infarction – Chongxu Shi
AKI: Risk Factors, Biomarkers, and Predictors

4:30 p.m.  SA-OR011 Pregnancy-Related AKI and Diabetes: Hospitalizations and Clinical Outcomes – Silvi Shah

4:42 p.m.  SA-OR012 Use of Urinary Neutrophil Gelatinase Associated Lipocalin (NGAL) to Rule Out Acute Kidney Injury (AKI) in Children with High Nephrototoxic Medication Exposure – Stuart Goldstein

4:54 p.m.  SA-OR013 Association Between Urinary Dickkopf-3, AKI, and Subsequent Loss of Kidney Function in Patients Undergoing Cardiac Surgery: An Observational Cohort Study – Stefan Schunk

5:06 p.m.  SA-OR014 The Association Between Intraoperative Fluid Balance and Postoperative AKI in Noncardiac Surgery – Masatoshi Nishimoto

5:18 p.m.  SA-OR015 Plasma Biomarkers to Identify Patients at Increased Risk of CKD Following an Episode of AKI – Nicholas Selby

5:30 p.m.  SA-OR016 Arterial Stiffness Independently Predicts AKI in SPRINT – Nina Bispham

5:42 p.m.  SA-OR017 Predicting Severe AKI, Fluid Overload, and Renal Replacement Therapy with the Renal Angina Index in Critically Ill Children – Kelli Kralman

5:54 p.m.  SA-OR018 Hemoglobin A1c and Major Adverse Kidney Events After Cardiac Surgery – Samuel Short

6:06 p.m.  SA-OR019 Contrast-Associated AKI Is Not Reflective of Intrinsic Injury – Caroline Liu

6:18 p.m.  SA-OR020 ACE-I/ARB Use and Outcomes After Hospitalized AKI – Sandeep Brar

ANCA It Is

Moderators: Rajit Basu, Dennis Moledina

4:30 p.m.  SA-OR021 Clonal Hematopoiesis in ANCA-Associated Vasculitis – Marlene Weiss

4:42 p.m.  SA-OR022 Staphylococcus Aureus-Induced Tissue Resident Memory T Helper 17 Cells (TRM17 Cells) Drive Renal Autoimmune Disease – Christian Krebs

4:54 p.m.  SA-OR023 Infiltrating Citrullinated Histone (CitrH3)-Positive Neutrophils May Be Involved in Active Glomerular and Interstitial Lesions in ANCA-Related Vasculitis – Hidehito Kimura

5:06 p.m.  SA-OR024 CFHR5 Deposition in ANCA-Associated Glomerulonephritis – Silke Brix

5:18 p.m.  SA-OR025 Induction of Eosinophilic Granulomatosis with Polyangiitis by Myeloperoxidase-ANCA in Mice with Allergic Airway Disease – Peiqi Hu

5:30 p.m.  SA-OR026 Cathepsin C as a Treatment Target in ANCA Vasculitis – Ralph Kettritz

5:42 p.m.  SA-OR027 Long-Term Follow-Up of a Glucocorticoid-Minimising Regimen for Remission Induction in ANCA Vasculitis (AAV) – Stephen McAdoo

5:54 p.m.  SA-OR028 A Randomized Controlled Trial of Rituximab (RTX) vs. Azathioprine (AZA) After Induction of Remission with RTX for Patients with ANCA-Associated Vasculitis (AAV) and Relapsing Disease – Rona Smith

6:06 p.m.  SA-OR029 In Vivo Pooled CRISPR/Cas9 Screening with Single Cell Transcriptome Readout to Analyze Genetic Modifications in Primary Murine T Cells in Crescentic Glomerulonephritis – Leon Enk

6:18 p.m.  SA-OR030 RNA Sequencing of Microdissected Kidney Biopsies Differentiates HIV+ FSGS from HIV-Negative FSGS – Weijia Zhang

Anemia and Iron Metabolism: Basic Research

Moderators: Oleh Akchurin, Despina Sitara

4:30 p.m.  SA-OR031 HIF Stabilizer Decreases Mitochondrial Oxygen Consumption in Skeletal C2C12 Myotube – Koji Takemura

4:42 p.m.  SA-OR032 Hyperphosphatemia Contributes to Inflammation and Iron Dysregulation in Models of Normal and Impaired Renal Function – Brian Czaya

4:54 p.m.  SA-OR033 PBI-4610 Improves Renal Function, Anemia, and Histopathological Abnormalities in an Adenine-Induced CKD Model – Jean-Francois Thibodeau

5:06 p.m.  SA-OR034 C-FGF23 Peptide Protects Against Severe Hypoferremia During Acute Inflammation – Guillaume Courbon

5:18 p.m.  SA-OR035 Enteral Ferric Citrate Absorption Is Dependent on Ferroportin – Mark Hanudel

5:30 p.m.  SA-OR036 Colchicine Does Not Affect Anemia or Inflammation in a Mouse Model of Cx36−/− – Daniel Landau

5:42 p.m.  SA-OR037 Preclinical Characterization of Vadadustat (AKB-6548), an Oral Small Molecule Hypoxia Inducible Factor Prolyl-4-Hydroxylase Inhibitor, for the Potential Treatment of Renal Anemia – Anna Zuk

5:54 p.m.  Invited Lecture – Anemia and Iron Metabolism in CKD: Recent Developments – Jodie Babitt
Saturday, November 9, 4:30 p.m. – 6:30 p.m.

**Biomarkers in CKD**

Moderators: Joseph Bonventre, Teresa Chen

- **4:30 p.m.** SA-OR038 The Association of sTNFR-1 and sTNFR-2 with Histopathologic Lesions and Progression to ESRD: The Boston Kidney Biopsy Cohort Study – Anand Srivastava
- **4:42 p.m.** SA-OR039 Two-Year Change in Galectin 3 and MMP-2 and Risk of ESRD: The Chronic Renal Insufficiency Cohort (CRIC) Study – Amanda Anderson
- **4:54 p.m.** SA-OR040 The Pro-Fibrotic Serum Marker MMP7 Predicts Accelerated GFR Loss in the General Population – Inger Therese Enoksen
- **5:06 p.m.** SA-OR041 Relation of a Parsimonious Model of Factors Derived from 10 Biomarkers of Kidney Tubule Health with Decline in eGFR in the SPRINT Trial – Alexander Bullen
- **5:18 p.m.** SA-OR042 Metabolomics of CKD Progression in CRIC and AASK – Eugene Rhee
- **5:30 p.m.** SA-OR043 Association Between Urine 6-Bromotryptophan and ESKD in the German CKD Study – Peggy Sekula
- **5:42 p.m.** SA-OR044 Carbamylation and the Risk of CKD Progression in the Chronic Renal Insufficiency Cohort (CRIC) – Sahir Kalim
- **5:54 p.m.** SA-OR045 Blood and Urine Biomarkers and CKD After Cardiac Surgery – Steven Mehez
- **6:06 p.m.** SA-OR046 Photoacoustic Ultrasound: A New Way to Assess Kidney Fibrosis – Xiaolin He
- **6:18 p.m.** SA-OR047 Increase of Extracellular Fluid Volume over Time Is Associated with ESKD and Mortality in Patients with CKD – Anne-Laure Faucon

**Glomerular Diseases: Technologies, Mechanisms, and Therapeutics**

Moderators: Gentzon Hall, Jennie Lin

- **4:30 p.m.** SA-OR048 Discovery of Novel Podocyte Endoplasmic Reticulum Calcium Stabilizers to treat Nephrotic Syndrome – Sun-Ji Park
- **4:42 p.m.** SA-OR049 Combined Single Cell Epigenomic and Transcriptomic Analysis of Healthy vs. FSGS Adult Human Kidney – Yoshiharu Muto
- **4:54 p.m.** SA-OR050 A Human Model of Membranous Nephropathy on-a-Chip – Stefano Da Sacco
- **5:06 p.m.** SA-OR051 Inflammasome-Mediated Cell Death Plays a Key Role in APOL1 Risk Variant-Induced Kidney Disease – Archana Raman
- **5:18 p.m.** SA-OR052 A Novel Small Molecule Therapy for Nephrotic Syndrome Caused by a Common Podocin Mutation – Valeryia Kuzmuk
- **5:30 p.m.** SA-OR053 An iPSC platform for Human Preclinical Evaluation of Kidney Disease Targeting Compounds – Amy Westerling-Bui
- **5:42 p.m.** SA-OR054 Proteomic Analysis of Clathrin-Coated Vesicles from Podocytes Identifies Cargo Proteins – Marwin Groener
- **5:54 p.m.** SA-OR055 Mechanism of Albuminuria in Kidney Disease – Linus Butt
- **6:06 p.m.** SA-OR056 APOL1 Risk Variants Affect Podocyte Lipid Homeostasis and Energy Production in FSGS – Mengyuan Ge
- **6:18 p.m.** SA-OR057 Adeno-Associated Virus Gene Therapy Prevents Progression of Kidney Disease in Genetic Human and Mouse Models of Nephrotic Syndrome – Wen Ding
Saturday, November 9, 4:30 p.m. – 6:30 p.m.

**Hemodialysis Potpourri** ..................................................................................................................... Room 144

Moderators: Tara Chang, James Wetmore

4:30 p.m.  **SA-OR058** Consolidation in the Dialysis Industry in the Era of Health Reform, 2006-2013 – Caroline Sloan

4:42 p.m.  **SA-OR059** Patient Experience with Care as a Critical Component of the Medicare ESRD Quality Incentive Program (QIP) – Katherine Hanslits

4:54 p.m.  **SA-OR060** Urban Segregation and Hospitalization Outcomes in Patients on Hemodialysis – Ladan Golestaneh

5:06 p.m.  **SA-OR061** Sodium Zirconium Cyclosilicate (SZC) Improves Potassium Balance in Hyperkalemia Hemodialysis Patients: Results from the Phase 3b, Randomized, Placebo-Controlled DIALIZE Study – Steven Fishbane

5:18 p.m.  **SA-OR062** Psychosocial Predictors in the ACTIVE-ADIPOSE Study – Nancy Kutner

5:30 p.m.  **SA-OR063** Timing of Intradialytic Exercise and its Impact on Intradialytic Hypertension: A Randomized Crossover Study – Krista Rossum

5:42 p.m.  **SA-OR064** The Effects of a 6-Month Structured Programme of Intradialytic Cycling on Cardiovascular Remodelling, Myocardial Fibrosis, and Aortic Stiffness: Results from the CYCLE-HD Study – Matthew Graham-Brown

5:54 p.m.  **SA-OR065** Effect of a Pedometer-Based Intervention on Body Composition in ESRD – Anoop Sheshadri

6:06 p.m.  **SA-OR066** Development of an Automatic Risk-Prediction System for Hemodialysis Patients Using Artificial Intelligence: A Nationwide Dialysis Cohort Study in Japan – Eiichiro Kanda

6:18 p.m.  **SA-OR067** Hyperkalemia Excursions and Mortality in Hemodialysis Patients: Results from the DOPPS – Angelo Karaboyas

**Mechanisms of Kidney and Cardiovascular Damage in CKD** .......................................................... Room 206

Moderators: Jing Chen, Kausik Umanath

4:30 p.m.  **SA-OR068** Identification of Dicarbonyl and L-Xylulose Reductase (DCXR) as a Therapeutic Target in Human CKD – Paul Perco

4:42 p.m.  **SA-OR069** NLRP3 Inflammasome Inhibition Attenuates Cisplatin-Induced Renal Fibrosis by Decreasing Oxidative Stress and Inflammation – Li Shu

4:54 p.m.  **SA-OR070** Macrophage Mitophagy Deficiency Promotes Experimental and Human Kidney Fibrosis – Divya Bhatia

5:06 p.m.  **SA-OR071** The PAR-1 Antagonist Vorapaxar Ameliorates Kidney Injury and Tubulointerstitial Fibrosis in Experimental Obstructive Nephropathy – Sarah W.Y. Lok

5:18 p.m.  **SA-OR072** A New Therapeutic Target for CKD: Activins Facilitate TGF-β1 Profibrotic Signaling in Kidney Mesangial Cells – Asfia Soomro

5:30 p.m.  **SA-OR073** A Computational Drug Screening Approach to Identify Compounds Targeting Renal Age-Associated Molecular Profiles – Paul Perco

5:42 p.m.  **SA-OR074** Single Cell Landscapes of Human Kidney in Health and Disease – Katherine Vernon

5:54 p.m.  **SA-OR075** Capillaries Are Primary Targets in CKD and Loss of Tie2 Signaling Increases Vascular Injury – Marie Jeansson

6:06 p.m.  **SA-OR076** Heat Shock Proteins Prevent Mitochondrial Dysfunction In Uremic Cardiomyopathy: Results from the CAIN Study – Michelle Song

6:18 p.m.  **SA-OR077** Inhibition of Urea Transporter A Attenuates Uremic Cardiomyopathy in CKD Mouse – Akihiro Kuma
Saturday, November 9, 4:30 p.m. – 6:30 p.m.

Moving the Needle for Treatment of Diabetic Kidney Disease .......................................................... Ballroom C
Moderators: David Cherney, Amy Mott

4:30 p.m. SA-OR078 Renal, Cardiovascular, and Safety Outcomes of Canagliflozin (CANA) According to Baseline Kidney Function: A CREDENCE Secondary Analysis – Meg Jardine

4:42 p.m. SA-OR079 Canagliflozin and Renal-Related Adverse Events in Type 2 Diabetes and CKD: Results from CREDENCE – Hiddo Heerspink

4:54 p.m. SA-OR080 Cost Effectiveness Analysis of Sodium-Glucose Cotransporter 2 (SGLT2) Inhibitors Treatment in Patients with Diabetic Kidney Disease for Cardiovascular and Renal Protection in Singapore – Adrian Liew

5:06 p.m. SA-OR081 Clinical Events in Type 2 Diabetes and Moderate-to-Severe CKD by Albuminuria Status: Dulaglutide vs. Insulin Glargine – Katherine Tuttle

5:18 p.m. SA-OR082 Renoprotection with Semaglutide and Liraglutide: Direct or Indirect Effects? – Johannes Mann

5:30 p.m. SA-OR083 Combination Therapy of Empagliflozin and Linagliptin vs. Metformin and Insulin Glargine on Intra- and Renal Hemodynamics in Type 2 Diabetes – Adriane Liew

5:42 p.m. SA-OR084 Risks of eGFR Decline Thresholds by CKD, Diabetes, and Albuminuria Status – Kari Daratha

5:54 p.m. SA-OR085 CKD Progression for Patients with Diabetes and Reduced eGFR Treated with Metformin or Sulfonylurea – Adriana Hung

6:06 p.m. SA-OR086 Verinurad Plus Febuxostat Rapidly Reduces Albuminuria in Type 2 Diabetes Independent of Preexisting Kidney Disease – Austin Stack

6:18 p.m. SA-OR087 Correction of Anemia by Dapagliflozin in Patients with T2D – Bergur Stefansson

Pathogenesis of Cystic Kidney Diseases .............................................................................................. Room 143
Moderators: Thomas Carroll, Luis Menezes

4:30 p.m. SA-OR088 Polycystin 1 Regulates Actomyosin Contraction and the Cellular Response to Extracellular Stiffness – Elisa Agnese Nigro

4:42 p.m. SA-OR089 Polycystin 1 Acts as an Atypical Adhesion G-Protein-Coupled Receptor (GPCR) That Responds to Non-Canonical WNT Signals and Inhibits GSK3β – Nikolay Gresko

4:54 p.m. SA-OR090 Inhibition of Drp1, the Master Regulator of Mitochondrial Fission, Ameliorates Polycystic Kidney Disease Progression – Laura Cassina

5:06 p.m. SA-OR091 ALG9 Mutation Carriers Develop Kidney and Liver Cysts – Whitney Besse

5:18 p.m. SA-OR092 CD4 T Cells Promote Renal Cystic Disease – Kurt Zimmerman

5:30 p.m. SA-OR093 The Ciliary Phosphoinositide Pathway Controls the Dosage of Polycystins in Cilia – Chuan Chen

5:42 p.m. SA-OR094 Aurora A Kinase Is Required for Development of Renal Cysts in a Ciliopathy Model – Ian Smyth

5:54 p.m. SA-OR095 Carbonic Anhydrase II (CAII) and Intercalated Cells (ICs) Drive Kidney Cystogenesis in Tuberous Sclerosis Complex (TSC) – Sharon Barone

6:06 p.m. SA-OR096 Innate Immunity Contributes to Tubular Cell Senescence in Nephronophthisis Type 7 Knockout Mouse Kidneys – Heng Jin

6:18 p.m. SA-OR097 The Pathogenic Role of NEK8 RCC1-Domain Mutations in Inversin Compartment Assembly – Doaa Attia
Saturday, November 9, 4:30 p.m. – 6:30 p.m.

**Transplantation: Approaches to Improve Post-Transplant Outcomes**

Moderators: Scott Davis, Aditi Gupta

4:30 p.m.  **SA-OR098 Ultra-Short-Duration Direct-Acting Antiviral Prophylaxis to Prevent Hepatitis C from Viremic Donors to Hepatitis C-Negative Kidney Transplant Patients** – Gaurav Gupta

4:42 p.m.  **SA-OR099 Greater Impact of Pre-Transplant Dialysis Exposure on Transplant Survival in Regions with Higher Dialysis Mortality** – John Gill

4:54 p.m.  **SA-OR100 Lack of Association Between Pre-Transplant Donor-Specific Antibodies and Kidney Outcomes in Simultaneous Liver-Kidney Transplant Recipients** – Masahiko Yazawa

5:06 p.m.  **SA-OR101 Tertiary Lymphoid Tissues in Protocol Biopsies Predict Progressive Graft Dysfunction in Kidney Transplant Recipients** – Yu ho Lee

5:18 p.m.  **SA-OR102 Serum Expression of Selected MiRNAs Distinguish Recurrence of Glomerulonephritis and Antibody-Mediated Rejection in Kidney Transplant Recipients** – Spela Borstnar

5:30 p.m.  **SA-OR103 Characteristics and Dysbiosis of the Gut Microbiome in Renal Transplant Recipients** – J.c. Swarte

5:42 p.m.  **SA-OR104 18F-FDG PET/CT Imaging at 3 Months Post Transplantation Disproves Subclinical Rejection in Kidney Transplant Recipients** – Oriane Hanssen

5:54 p.m.  **SA-OR105 Galectin 3 and Graft Failure in Kidney Transplant Recipients: A 10-Year Prospective Cohort Study** – Camilo Sotomayor

6:06 p.m.  **SA-OR106 Potential for Recovery of Bone Density and Structure Following Renal Transplantation** – Susan Ziolkowski

6:18 p.m.  **SA-OR107 Post-Transplant Recurrence of IgA Nephropathy: HLA as a Predictive Factor** – Catherine Kavanagh

**Women’s Health and Kidney Diseases**

Moderators: Kate Bramham, Björn Meijers

4:30 p.m.  **SA-OR108 Novel Experimental Model of Poor Pregnancy Outcomes After Recovery from Ischemia-Reperfusion Injury** – Ellen Gillis

4:42 p.m.  **SA-OR109 A Population Study of Pregnancy Outcomes by Pre-Conception GFR** – Jessica Tangren

4:54 p.m.  **SA-OR110 Effects of Pregnancy on Kidney Allograft Outcomes** – Andrea Kattah

5:06 p.m.  **SA-OR111 Serum Transforming Growth Factor β1 Is a Sex-Specific Risk Factor for Accelerated GFR Decline in the General Population** – Jon Norvik

5:18 p.m.  **SA-OR112 Sirtuin 3 Mediates Sex Differences in Ischemia-Reperfusion Kidney Injury** – Jenny Pan

5:30 p.m.  **SA-OR113 Association of Reproductive Lifespan Duration and CKD in Postmenopausal Women** – Shinchan Kang

5:42 p.m.  **SA-OR114 Sex Differences in Vascular Access** – Jennifer MacRae

5:54 p.m.  **SA-OR115 Clinical, Angiogenic, and Immune System Markers Predict Preeclampsia in Women with CKD During Pregnancy** – Nadia Sarween

6:06 p.m.  **SA-OR116 Black and Hispanic Women Are at Increased Risk of Hypertension After Preeclampsia** – Dana Larsen

6:18 p.m.  **SA-OR117 Maternal Pregnancy Outcomes in Women with Complement-Mediated TMA: Update of the Vienna TMA Cohort** – Martina Gaggl
## Poster Topics

**Board #s**

| NIH/NIDDK and Informational Posters – III | 001–035 |
| Educational Research | ................................................................. |
| Engineering-Based Approaches to Problems in Nephrology | 036–059 |
| AKI: Mechanisms – Primary Injury and Repair – II | 060–109 |
| AKI: Mechanisms – AKI-CKD Transition | 110–139 |
| AKI: Epidemiology, Risk Factors, Prevention – III | 140–166 |
| Onco-Nephrology: Clinical | 167–217 |
| Anemia and Iron Metabolism: Basic | 218–224 |
| Anemia and Iron Metabolism: Clinical | 225–257 |
| Bone and Mineral Metabolism: Calcium, Magnesium, Kidney Stones | 258–289 |
| Fluid and Electrolytes: Basic – II | 290–310 |
| Hypertension and CVD: Mechanisms | 311–355 |
| Genetic and Diagnostic Trainee Case Reports | 356–393 |
| Genetic Diseases of the Kidney – III | 394–427 |
| Development and Regenerative Medicine | 428–457 |
| Cystic Kidney Diseases: Basic/Translational | 458–488 |
| Diabetic Kidney Disease: Basic – III | 489–532 |
| Diabetic Kidney Disease: Pathology, Epidemiology | 533–560 |
| Glomerular Diseases: Fibrosis, Extracellular Matrix | 561–584 |
| Glomerular Diseases: Immunology, Inflammation – II | 585–629 |
| Glomerular Diseases: ANCA, Anti-GBM, Kidney Biopsy | 630–672 |
| Pediatric Glomerular Disease | 673–690 |
| Pathology and Lab Medicine: Clinical | 691–728 |
| CKD: Mechanisms – III | 729–788 |
| Health Maintenance, Nutrition, Metabolism – II | 789–836 |
| CKD: Socioeconomic Context and Mobile Apps | 837–869 |
| CKD: Pharmacoepidemiology | 870–902 |
| CKD: Clinical, Outcomes, Trials – III | 903–932 |
| Peritoneal Dialysis: Inflammation, Peritoneal Transport | 933–965 |
| Hemodialysis and Frequent Dialysis – V | 966–1016 |
| Hemodialysis and Frequent Dialysis – VI | 1017–1068 |
| Home Hemodialysis | 1069–1081 |
| Vascular Access – II | 1082–1113 |
| Transplant Trainee Case Reports | 1114–1145 |
| Transplantation: Clinical – Rejection, Recurrent Disease, Incompatibility | 1146–1169 |
| NIDDK KUH Summer Undergraduate Research Program | 1170–1179 |

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Abstract details are available in the Kidney Week mobile app and at www.ASN-online.org/KidneyWeek.

Your Annual Meeting registration includes complimentary access to ePosters, a resource that transforms the poster hall into an online mobile experience—both during and after the meeting. View uploaded posters at www.ASN-online.org/kw-eposters.
A vital part of the Kidney Week educational experience is found on the scientific exposition floor, Exhibit Halls A/B, of the Walter E. Washington Convention Center.

This unparalleled international venue provides demonstrations of products and services that will enhance your understanding of the latest advancements in pharmaceuticals, devices, imaging, and services important to high-quality patient care. On the exposition hall floor, you can engage in peer-to-peer interactions with representatives and businesses that form an integral part of your day-to-day fight against kidney disease and view thousands of accepted poster abstracts.

**Exhibition Schedule**

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thursday, November 7</td>
<td>9:30 a.m. – 2:30 p.m.</td>
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<tr>
<td>Friday, November 8</td>
<td>9:30 a.m. – 2:30 p.m.</td>
</tr>
<tr>
<td>Saturday, November 9</td>
<td>9:30 a.m. – 2:30 p.m.</td>
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The next generation of nephSAP is arriving in early 2020.
nephSAP provides a learning vehicle to renew and refresh clinical knowledge, diagnostic, and therapeutic skills. Rigorously assess your strengths and weaknesses in the broad domain of nephrology.

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From care to cure... knowledge at the next level
Thursday, November 7
10:00 a.m. – 11:00 a.m.
CREDENCE Landmark Trial: Canagliflozin and Renal Endpoints in Diabetes with Established Nephropathy Clinical Evaluation Clinical Trial
Presented by Janssen

12:00 p.m. – 1:00 p.m.
The Treatment of Secondary Hyperparathyroidism (HPT) in Adult Patients on Hemodialysis
Presented by Amgen

Friday, November 8
10:00 a.m. – 11:00 a.m.
Advances in Hemodialysis-Associated Anemia Management: The Benefits of Physiologic Iron Replacement Therapy
Presented by Rockwell Medical

12:00 p.m. – 1:00 p.m.
Launching the ULTIMA-CKD Patient Registry - Understanding the Long-Term Impact of Metabolic Acidosis in CKD
Presented by Tricida

Saturday, November 9
10:00 a.m. – 11:00 a.m.
Expanded Hemodialysis: When Innovation Meets the Need
Presented by Baxter

12:00 p.m. – 1:00 p.m.
Iron Deficiency Anemia (IDA) in Non-Dialysis-Dependent Chronic Kidney Disease (NDD-CKD)
Presented by Daiichi Sankyo
These events are not CE (continuing education) activities.
TOP ASN Policy
Victories in 2019

1. CONTRIBUTED TO THE DEVELOPMENT OF THE EXECUTIVE ORDER ON ADVANCING AMERICAN KIDNEY HEALTH (AAKH)
   • Entrusted by the Department of Health and Human Services to assist in the implementation of several key AAKH initiatives

2. PROVIDED EXPERTISE AND DESIGN INPUT FROM ASN’S QUALITY AND POLICY AND ADVOCACY COMMITTEES ON PAYMENT MODELS
   • Ensured the nephrologist’s voice was heard by the Centers for Medicare and Medicaid Services

3. ADVANCED KIDNEYX EFFORTS TO FOSTER INNOVATION
   • Awarded $1,125,000 to innovative solutions through the Redesign Dialysis Phase I competition and hosted the inaugural KidneyX Summit

4. ADVOCATED FOR INCREASED RESEARCH FUNDING
   • Continued to advocate for an increased pool in research funding, having secured a 40% increase for the NIH, with substantial increases for NIDDK, over the past five years

5. SECURED TRANSITIONAL PAYMENTS FOR NEW DIALYSIS DEVICES IN THE ESRD BUNDLE
   • Removed entry to market barriers for devices to expand access to therapies on behalf of patients

6. SECURED RULEMAKING TO INCREASE KIDNEYS AVAILABLE FOR TRANSPLANT
   • Encouraged developing transparent OPO metrics and greater support for living donors

7. UNITED KIDNEY COMMUNITY ON CAPITOL HILL
   • Brought together more than 20 patient and health professional organizations for the fifth annual Kidney Community Advocacy Day to advocate for you and your patients

Stay Informed Throughout the Year
Visit the Legislative Action Center at www.ASN-online.org/policy and connect with the Public Policy & Public Health Community.
DAY-AT-A-GLANCE: Sunday, November 10

8:00 a.m. – 9:30 a.m.
Plenary: Belding H. Scribner Award Presentation, Homer W. Smith Award Presentation and Address, State-of-the-Art Lecture ..............................................................Hall D

9:30 a.m. – 10:00 a.m.
ASN Business Meeting ................................................................................................................................Hall D

10:00 a.m. – 12:00 p.m.
Basic/Clinical Science Sessions
Beating the Law of Averages: Predicting Diabetic Kidney Disease Outcomes
Through Integrative Biology ..................................................................................................... Room 145
Leveraging T Cells and Macrophages in Glomerular Diseases.................................Room 146 A/B
Vascularization and Innervation of the Kidneys .........................................................Room 152

Clinical Practice Sessions
Hypertension Challenges: Now that BP Targets Are Lower,
How Do We Get There? ................................................................................................................ Room 147
Optimizing Medication Prescribing in Dialysis ..............................................................Room 143
Update on Acute Dialytic Modalities in Nephrology: What Are the Data? ..........Room 151

Translational Session
APOL1: The Dawning of the Era of Treatment.................................................................Room 150

Special Session
Hot off the Press: The Advancing American Kidney Health Initiative and More .....Room 140

Exchange this voucher at any of the following booths.

Kidney Week On-Demand

Never miss a session with Kidney Week On-Demand 2019. With 200+ hours of recorded Annual Meeting presentations, Kidney Week On-Demand is the best way to get the most out of your Annual Meeting registration. To get your complimentary access code, exchange the voucher in your meeting bag at one of the booths listed here.

Access codes are available during Exhibit Hall hours to fully paid Annual Meeting participants only. All recorded presentations will be available in January 2020.

Note: Continuing education credits are not available for Kidney Week On-Demand.
Plenary: Belding H. Scribner Award Presentation, Homer W. Smith Award Presentation and Address, State-of-the-Art Lecture .................................................................................................................. Hall D
Support is provided by an educational grant from Akebia Therapeutics.

8:00 a.m.  In Memoriam
8:05 a.m.  Belding H. Scribner Award Presentation – Paul Kimmel
8:20 a.m.  Homer W. Smith Award Presentation and Address “Salt, Hypertension, and the Kidneys” – Toshiro Fujita
8:55 a.m.  State-of-the-Art Lecture “What Patients Say, What Doctors Hear” – Danielle Ofri

Sunday, November 10, 9:30 a.m. – 10:00 a.m.
ASN Business Meeting .............................................................................................................................. Hall D

Sunday, November 10, 10:00 a.m. – 12:00 p.m.

Beating the Law of Averages: Predicting Diabetic Kidney Disease Outcomes Through Integrative Biology ....................................................................................................... Room 145
Moderators: Jennifer Harder, Rama Natarajan
10:00 a.m.  Morphogenomics: Lessons from Southwestern American Indian Longitudinal Studies – Robert Nelson
10:30 a.m.  Unravelling Molecular Mechanisms of Diabetic Kidney Disease for Therapeutic Target Characterization – Matthias Kretzler
11:00 a.m.  DNA Methylation, Maternal Nutrition, and Prenatal Renal Programming – Tobias Huber
11:30 a.m.  Kidney Organoids, Gene Editing, and Multidimensional Phenotyping – Benjamin Freedman

Leveraging T Cells and Macrophages in Glomerular Diseases................................................................. Room 146 A/B
Moderators: Salem Almaani, Ingeborg Bajema
10:00 a.m.  Chimeric Antigen Receptor (CAR) T Cells in Glomerulonephritis – A. Richard Kitching
10:30 a.m.  T Cell Exhaustion in Autoimmunity – Eoin Mckinney
11:00 a.m.  Disease Flares in ANCA-Associated GN: Urine Analysis of Macrophage Activation – Peter Heeringa
11:30 a.m.  Diabetic Nephropathy: Can We Prevent Disease Progression by Targeting the Macrophages? – Charles Alpers

Vascularization and Innervation of the Kidneys ......................................................................................... Room 152
Moderators: Hermann Haller, Sunder Sims-Lucas
10:00 a.m.  Origins of the Kidney Vasculature – Maria Luisa Sequeira Lopez
10:30 a.m.  Patterning the Kidney Vasculature – Ondine Cleaver
11:00 a.m.  Engineering Models of the Kidney Vasculature – Ying Zhang
11:30 a.m.  Origins and Differentiation of the Kidney Neural Network – Lori O’Brien

Hypertension Challenges: Now that BP Targets Are Lower, How Do We Get There? ............ Room 147
Moderators: Jordana Cohen, Abhijit Khirsagar
10:00 a.m.  Measurement Is Key: The Use of Automated and Out of Office BP Measurements – Paul Drawz
10:30 a.m.  Drug Combinations: Challenges and Tips – Matthew Weir
11:00 a.m.  Drug Selection in CKD – Arjun Sinha
11:30 a.m.  Novel Ways of Treating Hypertension: The Barbershop and Telemonitoring - Bringing Care Home – Raven Voora

Optimizing Medication Prescribing in Dialysis......................................................................................... Room 143
Moderators: Simon Davies, Bengt Lindholm
10:00 a.m.  Pharmacokinetics and Pharmacodynamics in ESRD – Frieder Keller
10:30 a.m.  Use of Antiplatelets and Anticoagulants in Dialysis Patients – Catherine Clase
11:00 a.m.  Anemia Management in Dialysis: The Role of Iron Therapy and Erythropoiesis-Stimulating Agents – Steven Fishbane
11:30 a.m.  Improving Patient Safety: Reducing Polypharmacy in Dialysis – Marisa Battistella
Update on Acute Dialytic Modalities in Nephrology: What Are the Data? .................................. Room 151
Moderators: Luis Juncos, Ashita Tolwani

10:00 a.m. High Cut-Off Dialysis for Cast Nephropathy: Does It Really Help? – Maurizio Gallieni
10:30 a.m. Extracorporeal Therapies for Sepsis Without AKI: Is This Approach Ever Warranted? – Sean Bagshaw
11:00 a.m. Use of CRRT for Rhabdomyolysis and Tumor Lysis Syndrome: Useful for the Prevention of AKI? – Namrata Krishnan
11:30 a.m. Peritoneal Dialysis for AKI and Urgent Start ESKD: Ready for Prime Time? – Claudio Ronco

APOL1: The Dawning of the Era of Treatment ................................................................................ Room 150
Moderators: Barry Freedman, Ebele Umeukeje
Patient Voice/Commentator: Patrick Gee

10:00 a.m. APOL1 Variants in the General Population and Among Transplant Recipients – Orlando Gutierrez
10:30 a.m. Mechanisms of the APOL1 Kidney-Risk Variant Associated Disease – Leslie Bruggeman
11:00 a.m. Antisense Oligonucleotide Therapy for APOL1-Associated Nephropathy – Mariam Aghajan
11:30 a.m. Genomics and Precision Medicine in ESKD – Cheryl Winkler

Hot off the Press: The Advancing American Kidney Health Initiative and More ....................... Room 140
ASN thanks its Policy and Advocacy Committee for assistance with this session.
Moderators: Kevin Erickson, Crystal Gadegbeku (invited)

10:00 a.m. Deep Dive on New Kidney Care Delivery Models – Tom Duvall
10:30 a.m. KidneyX: Redesign Dialysis, Patient Innovators Challenge, and Beyond – Ed Simcox (invited)
11:00 a.m. 80% of New Kidney Failure Starts on Home Dialysis or Transplant by 2025: Can We Get from Here to There? – Suzanne Watnick (invited)
11:30 a.m. Legislative and Regulatory Issue Roundup – Rachel Meyer
KIDNEY WEEK 2020
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