



KIDNEY WEEK

20
22

Nov. 3-6 | Orlando, FL



Onsite Guide



CORPORATE SUPPORTERS

2022

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 for their contributions in 2022.

DIAMOND LEVEL


Otsuka Group of Companies

PLATINUM LEVEL



GOLD LEVEL

Akebia Therapeutics, Inc.
Mallinckrodt Pharmaceuticals
Nipro Medical Corporation
Vertex Pharmaceuticals

SILVER LEVEL

Alexion Pharmaceuticals, Inc.
Boehringer Ingelheim Pharmaceuticals, Inc.
Horizon Therapeutics
Natera

Novartis
Renalytix
Verici Dx

BRONZE LEVEL

ANI Pharmaceuticals, Inc.
Ardelyx
Aurinia Pharma U.S.
Bayer
CareDx
CVS Kidney Care

DaVita
Eurofins Transplant Diagnostics
Novo Nordisk
OPKO Renal
Sanofi

As of September 20, 2022

TABLE OF CONTENTS

Kidney Week Mobile App	2
Welcome	3
Schedule-at-a-Glance	4
Health and Safety	6
Accreditation, CE Credits, MOC Points	8
Certificates of Attendance for International Participants	9
Day-at-a-Glance: Wednesday, November 2 (Early Programs)	11
Day-at-a-Glance: Thursday, November 3	14
Day-at-a-Glance: Friday, November 4	30
Day-at-a-Glance: Saturday, November 5	46
Scientific Exposition: November 3-5	59
Exhibitor Spotlights: November 3-5	60
Day-at-a-Glance: Sunday, November 6	64
LGBTQ+ Owned and Friendly Local Businesses and Organizations	68

Attention US Health Professionals

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) that requires applicable manufacturers and applicable group purchasing organizations to report financial payments made to US physicians and select other US healthcare professionals, including as part of supported ASN activities. ASN reserves the right to provide information to such entities about US physicians, US physician assistants, and US advanced practice nurses (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 health care 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.

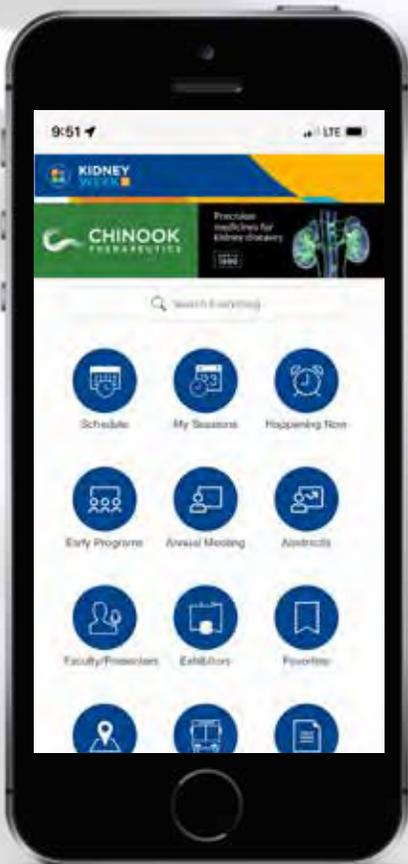
To learn more, please go to the US Government's Center for Medicare & Medicaid Services (CMS) website, www.cms.gov/openpayments. Additional information can be found at the American Medical Association's website.



KIDNEY WEEK 2022

Nov. 3-6 | Orlando, FL

Download the Meeting Mobile App



Navigate the meeting like a pro with the meeting mobile app.

- Stay organized with current program, 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!

GET THE FREE APP



The Kidney Week Mobile App is supported by



Welcome to ASN Kidney Week 2022

ASN proudly welcomes you to Kidney Week, the world's premier nephrology meeting. At Kidney Week, the world's leading experts share new approaches to health care, 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 diseases, and collaborate with colleagues from around the world.

Leading the fight against kidney diseases for over 55 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

Susan E. Quaggin, MD, FASN, *President*
Anupam Agarwal, MD, FASN, *Past President*
Michelle A. Josephson, MD, FASN, *President-Elect*
Deidra C. Crews, MD, MS, FASN, *Secretary*
Keisha L. Gibson, MD, MPH, FASN, *Treasurer*

Linda F. Fried, MD, MPH, FASN, *Councilor*
Crystal A. Gadegbeku, MD, FASN, *Councilor*
Patrick H. Nachman, MD, FASN, *Councilor*
Prabir Roy-Chaudhury, MD, PhD, FASN, *Councilor*

Kidney Week Education Committee

Kirk N. Campbell, MD, FASN, *Co-Chair*
Catherine Godson, PhD, *Co-Chair*
George L. Bakris, MD, FASN
Moumita Barua, MD
Tammy M. Brady, MD, PhD
Hui Cai, MD, FASN
Kerri L. Cavanaugh, MD, MPH
Mark E. Cooper, MBBS, PhD, FASN
Stanley D. Crittenden, MD, FASN
Alessia Fornoni, MD, PhD, FASN
Donald Fraser, MBChB, PhD
Lorenzo G. Gallon, MD
Anna Greka, MD, PhD
Karen A. Griffin, MD, FASN
Orlando M. Gutierrez, MD
Mark Haas, MD, PhD
Jeffrey B. Hodgjin, MD, PhD

Pinelopi P. Kapitsinou, MD
Beom Seok Kim, MD, PhD
Lisa A. Koester Wiedemann, ANP, CNN-NP
James P. Lash, MD, FASN
Rachel Lennon, MBBS, PhD
Tingting Li, MD, MSc, FASN
Valeria R. Mas, PhD
Precious McCowan, MS
Dianne B. McKay, MD
Helen McNeill, PhD
Patrick T. Murray, MD, FASN
Samir M. Parikh, MD, FASN
Mark A. Perazella, MD, FASN
Catherine Quinlan, MD
Wendy L. St. Peter, PharmD, FASN
Jason R. Stubbs, MD
Volker Vallon, MD, FASN

Kidney Week 2022 educational programming is supported in part from an educational grant from CVS Kidney Care.

Schedule-at-a-Glance

Thursday, November 3		AM	8:00	8:30	9:00	9:30	10:00	10:30	11:00	11:30
Plenary Session			█							
BCSS, CPS, TS, SS							█			
Educational Symposia										
Oral Abstract Sessions										
Poster Sessions						█	Ask the Author			
Scientific Exposition						█	Exhibitor Spotlights			
Friday, November 4		AM	8:00	8:30	9:00	9:30	10:00	10:30	11:00	11:30
Plenary Session			█							
BCSS, CPS, TS, SS							█			
Educational Symposia										
Oral Abstract Sessions							High-Impact Clinical Trials			
Poster Sessions						█	Ask the Author			
Scientific Exposition						█	Exhibitor Spotlights			
Saturday, November 5		AM	8:00	8:30	9:00	9:30	10:00	10:30	11:00	11:30
Plenary Session			█							
BCSS, CPS, TS, SS							█			
Educational Symposia										
Oral Abstract Sessions										
Poster Sessions						█	Ask the Author			
Scientific Exposition						█	Exhibitor Spotlights			
Sunday, November 6		AM	8:00	8:30	9:00	9:30	10:00	10:30	11:00	11:30
Plenary Session and ASN Business Meeting			█							
BCSS, CPS, TS, SS						█				

LEGEND

BCSS - Basic/Clinical Science Sessions
 CPS - Clinical Practice Sessions

TS - Translational Sessions
 SS - Special Sessions

Health and Safety

Proof of Vaccination

ALL in-person attendees, staff, vendors, and all other participants are required to provide proof that they are fully vaccinated or will be fully vaccinated for COVID-19 by October 31, 2022, prior to Kidney Week. Because Kidney Week is an international meeting that will take place in the United States, ASN can only recognize vaccines that are fully approved or authorized for use during a public health emergency by the US Food and Drug Administration's Emergency Use Authorization or by the World Health Organization's Emergency Use Listing.

Mask Requirement

ASN requires masks for all in-person participants, unless they are actively eating or drinking, at all ASN official events, including but not limited to those taking place at the Orange County Convention Center, Hyatt Regency Orlando, other ASN official hotels, and on shuttles.

Physical Distancing

All in-person participants should expect physical distancing in high-traffic areas, meeting rooms, exhibit floor, and event space in accordance with local and venue regulations. Kidney Week will adhere to capacity standards in accordance with local and state authorities to control the density of the exhibit floor and meeting rooms.

Attendee/audience seating may be modified to allow for compliance with reduced capacity guidelines, and room sets may be modified to accommodate increased spacing. All educational sessions will be recorded and will be available on the Kidney Week virtual platform for both in-person and virtual participants.

Health Monitoring

All in-person participants should monitor their health before and during Kidney Week. If you are experiencing any symptoms, please do not attend any Kidney Week sessions or events.

Assumption of Risk and Waiver of Claims

Participants choosing to attend in-person agreed to the terms of the Assumption of Risk and Waiver of Claims ("Waiver") during the registration process. By agreeing to this Waiver, participants acknowledge that they have made the decision to attend Kidney Week in-person with the full understanding of the inherent risks of such decision and acknowledge and agree to these risks.

International Attendance

Please refer to the US Department of State's COVID-19 Travel Information for air travelers to the US. This information continues to be updated and is subject to change.

Food and Beverage

Water bottles are encouraged, and water coolers are placed in strategic locations throughout the Orange County Convention Center.

Food and beverage events are optional to all participants, and participants may remove masks while actively eating or drinking.

Cleaning and Disinfecting

Meeting rooms and foyer spaces will be thoroughly cleaned overnight and will be cleaned during the day between sessions.

Restrooms will be regularly and thoroughly cleaned during event hours and include the following touch-free items: soap dispensers, sink faucets, toilet fixtures, paper towel and toilet paper dispensers.

Hand-sanitizer stations will be provided near building entrances, meeting rooms, and lobbies. Touch-free dispensers will be used wherever possible, and a schedule will be established for re-filling the stations.

Hotels

All hotels within the Kidney Week hotel block have implemented the following measures:

- Heightened cleaning protocols for high-traffic areas such as the front desk, fitness centers, and pools, as well as other high-touch surfaces throughout the hotel, using hospital-grade disinfectant approved by the US Environmental Protection Agency (EPA) to combat the spread of COVID-19.
- Reduced contact at check-in and digital check-in provided.
- Furniture arrangements designed to encourage appropriate social distancing.
- Housekeeping "on-demand" options that allows guests to request delivery of additional toiletries, towels, linens, or coffee without having a housekeeper enter the room.

Shuttle Buses

Kidney Week's shuttle bus partner, SEAT Planners, has developed "Clean SEAT" guidelines for the travel and event industry. SEAT Planners partners with local operators that ensure drivers are healthy and symptom-free before leaving the operator's yard. Drivers will clean high-touch areas throughout the day using recommended personal protective equipment (PPE) and disinfectants.

Attendees utilizing shuttle buses will be required to practice posted personal safety guidelines for travelers.

Accreditation, CE Credits, MOC Points (Annual Meeting, November 3–6)

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 Health Care Professionals

Accreditation Statement

In support of improving patient care, the American Society of Nephrology 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.



Continuing Medical Education Credits

AMA CREDIT DESIGNATION STATEMENT – PHYSICIANS

The American Society of Nephrology designates this blended learning activity for a maximum of 75.0 *AMA PRA Category 1 Credits*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

ANCC CREDIT DESIGNATION STATEMENT – NURSES

This CE activity is approved for 75.0 ANCC contact hours.

ACPE CREDIT DESIGNATION STATEMENT – PHARMACISTS

This activity has been approved for 75.0 contact hours.

AAPA/NCCPA CREDIT DESIGNATION STATEMENT – PHYSICIAN ASSISTANTS

Physician Assistants may receive a maximum of 75.0 Category 1 credits for completing this activity. NCCPA accepts *AMA PRA Category 1 Credit*[™] from organizations accredited by ACCME or a recognized state medical society.

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/elearning by **December 31, 2022**. Instructions are available on the ASN website and at ASN Services in the West Lobby D of the convention center.

Note: For Early Program credits, please refer to the program materials.

Maintenance of Certification (MOC) Points

The Kidney Week Annual Meeting offers MOC Points for American Board of Internal Medicine (ABIM) and American Board of Pediatrics (ABP) 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 eLearning Center.

MOC Statement

Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to:

- 75 MOC points in the ABIM Maintenance of Certification (MOC) program; and
- 75 MOC points in the ABP Maintenance of Certification (MOC) program.

It is the CME activity provider's responsibility to submit participant completion information to ACCME for the purpose of granting ABIM or ABP 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

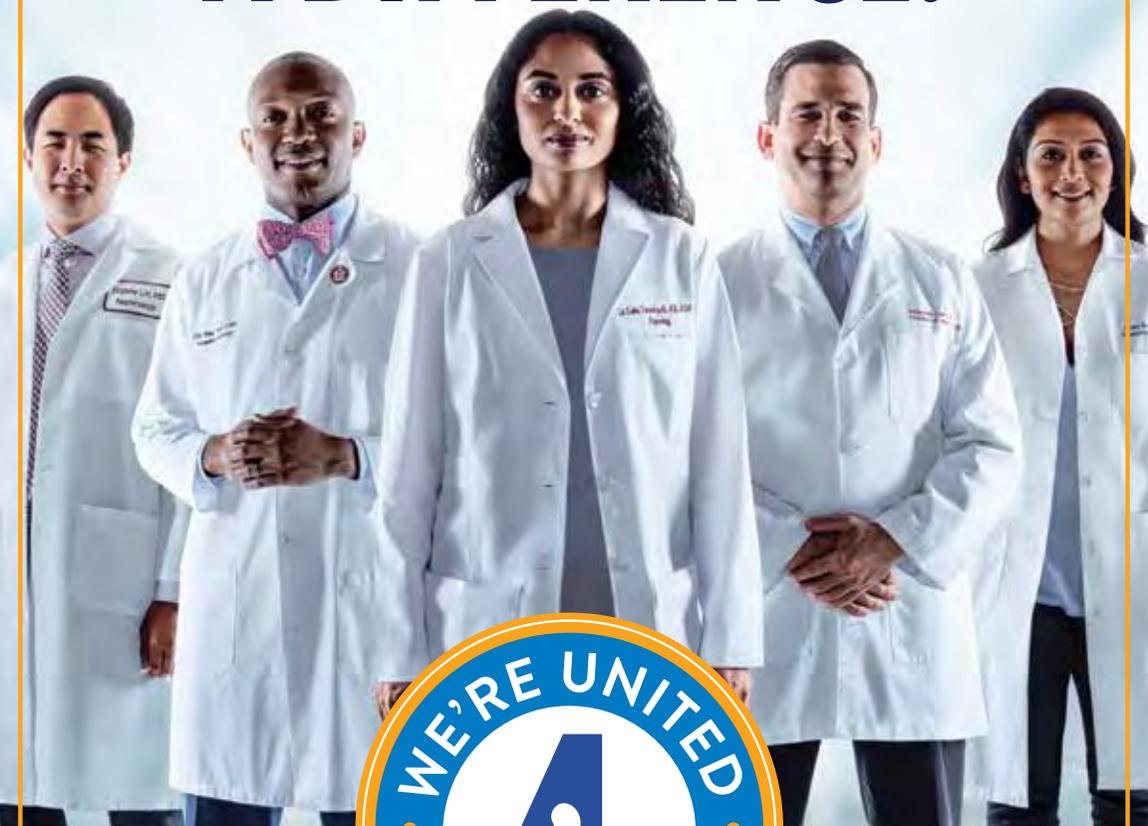
It is the policy of the American Society of Nephrology (ASN) that all individuals in a position to control the content of ASN's sponsored continuing education (CE) activities are expected to provide full disclosure for both themselves and their spouse/partner, and to indicate to the activity audience 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 24 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, in the meeting platform, and during sessions.

Certificates of Attendance for International Participants

Early Program participants can pick up printed Certificates of Attendance (not CE certificates for US participants) on Wednesday, November 2 at the programs. Annual Meeting participants can access online Certificates of Attendance (not CE certificates for US participants) from November 3, 2022, through February 3, 2023, at <https://show.jspargo.com/asn22/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 West Lobby D of the convention center.

UNITED TO MAKE A DIFFERENCE.



Join the kidney health professionals who are embracing four priorities to move us closer to our goal of a world without kidney diseases.



ASN

American Society of Nephrology

DAY-AT-A-GLANCE

Wednesday, November 2

Early Programs

Each Early Program requires separate registration from the Annual Meeting.

The following in-person Early Programs do not have onsite registration:

Advances in Research Conference: Regenerative Medicine and Bioartificial Kidneys..... W230

- 7:00 a.m. Onsite Check-In and Continental Breakfast
- 8:00 a.m. Onsite Sessions
- 5:00 p.m. Adjourn

Fundamentals of Renal Pathology..... W222

- 7:00 a.m. Onsite Check-In and Continental Breakfast
- 8:00 a.m. Onsite Sessions
- 5:35 p.m. Adjourn

Point-of-Care Ultrasound in Nephrology..... W221

In-kind support is provided by EchoNous, Inc., FUJIFILM Sonosite, Inc., GE Healthcare, Philips Healthcare North America.

- 7:00 a.m. Onsite Check-In and Continental Breakfast
- 8:00 a.m. Onsite Sessions
- 4:30 p.m. Adjourn

The following fully virtual Early Programs do not have onsite activities:

Critical Care Nephrology: 2022 Update

Glomerular Diseases: 2022 Update

Support is provided by an educational grant from Travers Therapeutics, Inc.

Maintenance Dialysis

Renal Physiology: Structure and Function in Kidney Health and Disease

Scan the QR code from the ScanHunt tab of the Kidney Week 2022 app. Download the mobile app to play!

Check out the ScanHunt game in the meeting app for a chance to win a Kidney Week 2023 registration.

Scan various QR codes in the convention center and the Hyatt Regency Orlando to earn points. Participants with 100 or more points will be entered to win one of 3 complimentary registrations.



Search Kidney Week in your app store or scan the QR code here.

Community Lounge Events

Make the most of your time at ASN Kidney Week 2022 with quick, informal sessions about the value of community discussions, networking, and collaboration.

Also enjoy the relaxation area with complimentary massages (first-come, first-served).

Thursday Nov. 3

Overview of Communities	10:00 – 11:00 a.m.
Profile components, account preferences, navigation tips	
Becoming a Community Leader	11:00 a.m. – 12:00 p.m.
Engagement strategies, moderation, replies, follow-through	
Mentor Match Program	12:00 – 1:00 p.m.
Enrollment basics, search criteria, building relationships	
Communities Office Hours	1:00 – 1:30 p.m.
Meet & greets, questions & answers	

Friday Nov. 4

The Art of Discussion	10:00 – 11:00 a.m.
Tips & strategies, best practices, seed questions, quality content	
General & Clinical Nephrology Poster Tour	11:00 a.m. – 12:00 p.m.
Led by Edgar Lerma, MD, FASN and Roger Rodby, MD, FASN	
Hot Topics	12:00 – 1:00 p.m.
COVID-19, transplantation, dialysis safety	
Networking and Collaboration	1:00 – 1:30 p.m.
Leveraging connections, sharing stories, team projects	

Saturday Nov. 5

Communities Library	10:00 – 11:00 a.m.
Keyword searching, studies & reports, credible research	
Early Career Focus	11:00 a.m. – 12:00 p.m.
STARS, TREKS, in-training exam, the nephrology match	
Themed Communities	12:00 – 1:00 p.m.
Onco-Nephrology, Kidney Transplantation, Women's Health & Research	
Open Discussion	1:00 – 1:30 p.m.
New ideas, future directions, lingering questions	

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



ASN
Communities

KidneyCure

Fund it. Find it.

“Receiving funding from KidneyCure not only supports the progression of my research but also confirms that my research is considered valuable to the field.”



Tanecia Mitchell, PhD

2021-2022 Transition to Independence
Grant Recipient
University of Alabama at Birmingham

The gifted fellows and early-career investigators funded by KidneyCure share your commitment to making a difference for the millions of patients impacted by kidney diseases. These trailblazers, working across the kidney research spectrum, are finding new paths to conquering diseases, such as Tanecia Mitchell, PhD, whose novel method of measuring dietary oxalate aims to better understand, prevent, and treat kidney stone formation.

Your support is crucial to keeping brilliant investigators like Tanecia in the field and on track to making important discoveries.

Make a Difference

Use your phone's camera to scan the QR code.



Or visit:

www.kidneycure.org/donate

DAY-AT-A-GLANCE

Thursday, November 3

8:00 a.m. – 9:30 a.m.

Joint ASN-National Academy of Medicine Opening Plenary: ASN President's Address,
Expert Panel "Preventing the Next Pandemic" W415 Valencia

9:30 a.m. – 2:30 p.m.

Morning Break (9:30 a.m. – 10:00 a.m.).....West Exhibit Hall D
Scientific Exposition and Posters (9:30 a.m. – 2:30 p.m.).....West Exhibit Hall D
Poster Presentations by Authors (10:00 a.m. – 12:00 p.m.).....West Exhibit Hall D

10:30 a.m. – 12:30 p.m.

Basic/Clinical Science Sessions

Big Roles for Thin Limbs W230
Podocyte Development, Disease, and Stem Cell Research W240

Clinical Practice Sessions

Health Care Equity for All: Improving the Experience of Patients with Kidney Diseases..... WF1 Tangerine
Nephrology Consult Service in the Hospital: No Rest for the Weary W415 Valencia
Novel Anticancer Therapies and Hypertension: The Role of the Nephrologist W311
Personalizing Prescriptions in Hemodialysis: A Path to Safer Care for All WF2 Tangerine
The Patient Journey with Diabetic Kidney Disease,
Including the Garabed Eknoyan Endowed Lectureship..... W224
Tired of Debating the Limitations of eGFR? Do Your Patients a Favor and Measure GFR! W304

Translational Sessions

Deep Dive into the Pathophysiology of Kidney Stone Formation W414
Organ Preservation into the 2020s: The Era of Dynamic Intervention WF3 Tangerine
Prospects for Gene Therapy in Glomerular Disease,
Including the Michelle P. Winn Endowed Lectureship W320 Chapin

Other Events

Fellows-in-Training Bowl: Elimination Rounds.....West Exhibit Hall D
Reimagining Nephrology Fellowship Training:
Recommendations from the 2022 ASN Task Force on the Future of Nephrology..... W315

12:45 p.m. – 1:45 p.m.

Educational Symposia (Hyatt Regency Orlando) – Doors open at 12:30 p.m.

Hope in ADPKD: Innovation in Therapeutics.....Windermere Ballroom X
IgA Nephropathy: The Role of the Renal Endothelin System and
Other Therapeutic Implications Regency Ballroom R
Management of Hyperphosphatemia in Patients with ESKD,
Especially During the COVID-19 Pandemic Regency Ballroom S
Updates on Therapeutic Options for Anemia in Kidney Diseases..... Regency Ballroom T

2:00 p.m. – 4:00 p.m.

Basic/Clinical Science Sessions

Alternative Animal Models of Kidney Development and Repair WF1 Tangerine
Applications of Artificial Intelligence to Medical Kidney Biopsy Interpretation..... W315
Cell-to-Cell Chats in the Diabetic Kidney W224
Controversies in Phosphorus Homeostasis and Management in CKD W414
Metabolism and Kidney Diseases W230
Skeletal Muscle: An Underappreciated Target Organ in CKD W304
Untangling Determinants of AKI Through an -Omics Approach,
Including the Robert W. Schrier Endowed Lectureship..... W308

2:00 p.m. – 4:00 p.m.

Clinical Practice Sessions

A Look in the Crystal Ball: COVID-19 and the Future of Outpatient Dialysis..... WF2 Tangerine
Case Studies in Glomerular Diseases 2022..... W320 Chapin
Current Approaches to the Management of Common Cardiorenal Syndromes..... W307
Novel Treatments for Resistant Hypertension in Advanced CKD..... W311
What Can Genomic Sequencing Offer People with CKD?..... W240

Translational Sessions

Future Shock: Transformational Therapies for Kidney Failure..... WF3 Tangerine
New Directions and Strategies to Improve Hypertension and
Pain Management in CKD..... W415 Valencia

Special Session

Choose Your Own Adventure: Nephrology Career Paths..... W314

4:00 p.m. – 4:30 p.m.

Afternoon Break..... West Lobby D, West Lobby E/F, W415 Valencia Foyer, W320 Foyer

4:30 p.m. – 6:00 p.m.

Basic/Clinical Science Sessions

Autosomal Dominant Tubulointerstitial Kidney Disease:
New Diagnostics and Therapies..... WF1 Tangerine
Impact of MicroRNAs and Circular RNAs on the Pathogenesis and
Prognosis of Glomerular Diseases..... W304

Clinical Practice Sessions

Implementing the Race-Free eGFR Equations in Clinical Practice:
Where Are We Now?..... WF2 Tangerine
Why Allografts Fail: Clinical, Histopathological, and Molecular Approach to
Chronic Allograft Injury, Including the Barbara T. Murphy Endowed Lectureship..... WF3 Tangerine

Translational Session

European Nephrology Highlights: Updates from the 2022 ERA Congress..... W224

Oral Abstract Sessions

AKI Research: Prediction, Diagnosis, Recovery..... W230
Dialysis: Patient-Centered Interventions and Outcomes..... W414
Hypertension and CVD: Epidemiology, Risk Factors, Prevention..... W240
Pediatric Nephrology: From Bench to Bedside..... W307
Technology-Based Approaches in Nephrology..... W308
Transplantation: Basic Research..... W314

Topical Chats

The IQ to Teach QI: Quality Teaching of Quality Improvement..... W221A
Promoting Diversity, Inclusivity, and Equity in Patient Care..... W221E

6:00 p.m. – 7:00 p.m.

Welcome Reception..... West Exhibit Hall D

Download the meeting app or scan the QR code for more details and updates.



Thursday, November 3, 8:00 a.m. – 9:30 a.m.

Joint ASN-National Academy of Medicine Opening Plenary:

ASN President's Address, Expert Panel "Preventing the Next Pandemic" W415 Valencia

ASN thanks the National Academy of Medicine and Dr. Victor Dzau for assistance with this session.

- 8:00 a.m. **ASN President's Address** – Susan Quaggin
8:25 a.m. **"Preventing the Next Pandemic" Keynote** – Peter Hotez
8:45 a.m. **"Preventing the Next Pandemic" Panel** – Carlos del Rio (moderator),
Timothy Evans, Peter Hotez, Jennifer Nuzzo, Reed Tuckson

Thursday, November 3, 10:30 a.m. – 12:30 p.m.

Big Roles for Thin Limbs.....W230

Moderators: Christine Klemens, Tong Wang

- 10:30 a.m. **New Insights on Spatial Cortico-Medullary Gene Expression and Osmolality Gradients** – Christian Hinze
11:00 a.m. **Lessons from Anatomical Organization and Gene Expression Profiles of Thin Limbs** – Thomas Pannabecker
11:30 a.m. **Function and Regulation of the Tight Junctions of Thin Limbs** – Nina Himmerkus
12:00 p.m. **Multiple Functions of Thin Limbs: From Flow Resistor to Urine Concentration** –
Mark Knepper

Podocyte Development, Disease, and Stem Cell Research.....W240

Moderators: Tobias Huber, Oliver Wessely

- 10:30 a.m. **3D Visualization of the Podocyte Actin Network with Leading-Edge Approaches** – Hani Suleiman
11:00 a.m. **Defining the Maturation of Kidney Cells with Single-Cell Sequencing and Functional Predictions** – Ryuichi Nishinakamura
11:30 a.m. **Podocyte Repair After Injury: Reprogramming the Transcriptome** –
Jordan Kreidberg
12:00 p.m. **Podocytes from Amniotic Fluid, Glomeruli on a Chip, and Alport Syndrome** –
Laura Perin

Health Care Equity for All: Improving the Experience of Patients with Kidney DiseasesWF1 Tangerine

ASN thanks the ASN Diversity, Equity, and Inclusion Committee and ASN Health Care Justice Committee for assistance with this session.

Support is provided by an educational grant from Chinook Therapeutics, Inc.

Moderators: Jason Cobb, Tessa Novick

- 10:30 a.m. **Stony the Road We Trod: Fighting for Kidney Health Justice** –
Orville Newton-Ray Bignall
11:00 a.m. **Framing Discussion of CKD Around Issues Important to Members of the LGBTQ+ Community** – Suzanne Martin
11:30 a.m. **Why I Decided to Become an Advocate and So Should You** – Mukta Baweja
12:00 p.m. **Patient Engagement: Tips, Tricks, and Pitfalls (Panel)** – Teri Browne,
Tanjala Purnell, David Rush

Thursday, November 3, 10:30 a.m. – 12:30 p.m.

Nephrology Consult Service in the Hospital: No Rest for the Weary.....W415 Valencia

Moderators: Lili Chan, Roger Rodby

- 10:30 a.m. **Panicked Call from the Hepatologist: Patient with Cirrhosis Has Anuric AKI and Needs CRRT** – Andrew Allegretti
- 11:00 a.m. **Urgent Consult from Your Oncology Colleague: Pediatric Patient with Lymphoma Has Tumor Lysis Syndrome and AKI** – Arwa Nada
- 11:30 a.m. **Stat Consult from the Cardiac Care Unit: Patient with Advanced Heart Failure Has Diuretic Resistance and AKI** – Jeffrey Turner
- 12:00 p.m. **Midnight Call from the Medical Intensive Care Unit: Patient with Complicated Sepsis on Extracorporeal Membrane Oxygenation Has Developed AKI** – J. Pedro Teixeira

Novel Anticancer Therapies and Hypertension: The Role of the Nephrologist.....W311

Moderators: Kenar Jhaveri, Sheron Latcha

- 10:30 a.m. **New-Onset Hypertension in Patients with Cancer Secondary to Cancer Therapies** – Gavin Oudit
- 11:00 a.m. **Mechanisms of Hypertension due to Vascular Endothelial Growth Factor (VEGF) Inhibitors** – Vesna Garovic
- 11:30 a.m. **Hypertension due to Non-VEGF-Pathway Anticancer Therapies** – Sandra Herrmann
- 12:00 p.m. **Distinct Approaches to Diagnosing, Monitoring, and Managing Hypertension in Patients with Cancer** – Agnes Kim

Personalizing Prescriptions in Hemodialysis: A Path to Safer Care for AllWF2 Tangerine

Moderators: Tara Chang, Joanna Hudson

- 10:30 a.m. **Symptoms in Hemodialysis: Advances in Assessment and Management to Reduce Harm** – Connie Rhee
- 11:00 a.m. **Personalizing Electrolytes in the Dialysis Prescription: Is That the Key?** – Talat Alp Ikizler
- 11:30 a.m. **Should We Evaluate and Address Weight at Every Dialysis Treatment?** – Jennifer Flythe
- 12:00 p.m. **Dialysis Modality Selection Counseling Should Not Be Limited to Initiation** – Keren Ladin

The Patient Journey with Diabetic Kidney Disease, Including the Garabed Eknoyan, MD, Endowed Lectureship.....W224

ASN gratefully acknowledges Wadi N. Suki, MD, for support of the Garabed Eknoyan, MD, Endowed Lectureship. ASN thanks the ASN Diabetic Kidney Disease Collaborative Task Force for assistance with this session.

Moderators: Ian de Boer, Susanne Nicholas

- 10:30 a.m. **Delay Does Not Mean Denial: A Patient's Experience with DKD** – Patrick Gee
- 11:00 a.m. **Improving Awareness, Detection, and Interventions for Patients with DKD** – Amy Mottl
- 11:30 a.m. **Implementing Goal-Directed Medical Therapies for DKD: The Garabed Eknoyan, MD, Endowed Lectureship** – Katherine Tuttle
- 12:00 p.m. **Getting the Job Done with Value-Based Care for Patients with DKD** – Daniel Weiner

Thursday, November 3, 10:30 a.m. – 12:30 p.m.

Tired of Debating the Limitations of eGFR? Do Your Patients a Favor and Measure GFR!.....W304

Moderators: Harold Feldman, Delphine Tuot

- 10:30 a.m. **Individual-Level Inaccuracy of eGFR and Implications for Clinical Care** – Tariq Shafi
- 11:00 a.m. **GFR Measurement by Plasma Clearance Does Not Require Urine Collection** – Natalie Ebert
- 11:30 a.m. **GFR Measurement by Urinary Clearance Without an Intravenous Infusion** – Jesse Seegmiller
- 12:00 p.m. **Choosing the Best GFR Measurement Technique in Clinical Practice** – John Lieske

Deep Dive into the Pathophysiology of Kidney Stone FormationW414

Moderators: Kirsten Kusumi, Khashayar Sakhaee

- 10:30 a.m. **Evolving Understanding of Oxalate Metabolism in Humans** – Sonia Fargue
- 11:00 a.m. **Unraveling the Microstructural Elements of Kidney Stones and Randall Plaques** – James Williams
- 11:30 a.m. **Role of Innate Immunity Pathways in Regulating Stone Formation** – Tanecia Mitchell
- 12:00 p.m. **Contribution of Gut Microbes to Kidney Stone Formation** – Michelle Denburg

Organ Preservation into the 2020s: The Era of Dynamic InterventionWF3 Tangerine

Moderators: Anil Chandraker, Mita Shah

- 10:30 a.m. **To Pump or Not to Pump: Machine Perfusion versus Cold Storage for Deceased Donor Kidney Transplantation** – Markus Selzner
- 11:00 a.m. **Inflammatory Landscape of the Perfused Kidney: New Interventions and Effects on Outcomes** – Annemarie Weissenbacher
- 11:30 a.m. **Mechanisms of Human Kidney Cold Storage and New Precision Therapies** – Gregory Tietjen
- 12:00 p.m. **Cryobiology to Stabilize the Donor Organ** – Erik Finger

Prospects for Gene Therapy in Glomerular Disease, Including the Michelle P. Winn, MD, Endowed LectureshipW320 Chapin

ASN gratefully acknowledges Duke University School of Medicine, the school's Division of Nephrology, and several individuals for support of the Michelle P. Winn, MD, Endowed Lectureship.

Moderators: Friedhelm Hildebrandt, Kandai Nozu

- 10:30 a.m. **Experience from Clinical Trials of Immune Gene Therapies** – Waseem Qasim
- 11:00 a.m. **Targeting the Kidneys with Gene Therapy** – Matthew Wilson
- 11:30 a.m. **Adeno-Associated Virus (AAV) Genome Rescue of Nphs2 in Mice: The Michelle P. Winn, MD, Endowed Lectureship** – Moin Saleem
- 12:00 p.m. **Preclinical Gene Therapy Studies in Alport Syndrome Dogs** – Mary Nabity

Fellows-in-Training Bowl: Elimination Rounds..... West Exhibit Hall D

Support is provided by Chinook Therapeutics, Inc.

Note: Continuing education credits are not being offered for this activity.

Reimagining Nephrology Fellowship Training:

Recommendations from the 2022 ASN Task Force on the Future of Nephrology.....W315

Note: Continuing education credits are not being offered for this activity.

Thursday, November 3, 12:45 p.m. – 1:45 p.m.

Educational Symposia (Hyatt Regency Orlando) – Doors open at 12:30 p.m.

Lunch is provided. Limited seating; first-come, first-served to fully paid Annual Meeting participants.

IgA Nephropathy: The Role of the Renal Endothelin System and Other Therapeutic Implications.....**Regency Ballroom R**

Support is provided by an educational grant from Travers Therapeutics, Inc.

- 12:45 p.m. **Introduction** – Tingting Li (Moderator)
- 12:55 p.m. **Proteinuria in IgA Nephropathy: Mechanisms and Clinical Implications** – Jonathan Barratt
- 1:15 p.m. **Emerging Therapies in IgA Nephropathy: Targeting the Renal Endothelin System and Other Therapies** – Richard Lafayette
- 1:35 p.m. **Questions and Answers**

Management of Hyperphosphatemia in Patients with ESKD, Especially During the COVID-19 Pandemic.....**Regency Ballroom S**

Support is provided by an educational grant from Fresenius Medical Care.

- 12:45 p.m. **Introduction: Phosphate Homeostasis and Hyperphosphatemia Management** – Elvira Gosmanova (Moderator)
- 12:55 p.m. **Update on Hyperphosphatemia Management in Patients with ESKD, Especially During the COVID-19 Pandemic** – Michal Melamed
- 1:15 p.m. **Organ Cross-Talk in Phosphate Homeostasis** – Sharon Moe
- 1:35 p.m. **Questions and Answers**

Updates on Therapeutic Options for Anemia in Kidney Diseases.....**Regency Ballroom T**

Support is provided by an educational grant from GlaxoSmithKline.

- 12:45 p.m. **Introduction** – Fredric Finkelstein (Moderator)
- 12:55 p.m. **Management of Anemia in Nondialysis CKD: Current Recommendations** – Bruce Robinson
- 1:15 p.m. **Efficacy and Cardiovascular Safety of Hypoxia-Inducible Factor-Prolyl Hydroxylase Inhibitors** – Nupur Gupta
- 1:35 p.m. **Questions and Answers**

Thursday, November 3, 2:00 p.m. – 4:00 p.m.

Alternative Animal Models of Kidney Development and Repair.....**WF1 Tangerine**

Moderators: Iain Drummond, Leif Oxburgh

- 2:00 p.m. **Rhesus Macaque as a Model for Human Lateral Branch Nephrogenesis** – Meredith Schuh
- 2:30 p.m. **Spiny Mouse as a Model for Kidney Regeneration** – Daryl Okamura
- 3:00 p.m. **Using Zebrafish to Model Kidney Development** – Rebecca Wingert
- 3:30 p.m. **Using Frogs to Understand Cystic Kidney Disease** – Oliver Wessely

Applications of Artificial Intelligence to Medical Kidney Biopsy Interpretation.....**W315**

Moderators: Laura Barisoni, Avi Rosenberg

- 2:00 p.m. **Image Analysis in the Quantitation of Interstitial Fibrosis and Glomerulosclerosis** – Alton Farris
- 2:30 p.m. **Computational Segmentation and Quantification in Diabetic Nephropathy** – Pinaki Sarder
- 3:00 p.m. **Deep Learning Classification of Kidney Transplant Pathology** – Peter Boor
- 3:30 p.m. **High-Throughput Quality Control, Annotation, and Labeling in Kidney Digital Pathology Repositories for Biomarker Discovery** – Andrew Janowczyk

Thursday, November 3, 2:00 p.m. – 4:00 p.m.

Cell-to-Cell Chats in the Diabetic KidneyW224

Support is provided by an educational grant from Travers Therapeutics, Inc.

Moderators: Michael Donnan, Agnes Fogo

- 2:00 p.m. **Visceral to Parietal Cell Chats** – Sandeep Mallipattu
- 2:30 p.m. **Communicating Through Nanotubules** – Federica Barutta
- 3:00 p.m. **Endothelial Cells to Podocytes and Back** – Ilse Daehn
- 3:30 p.m. **Can Tubules Influence Glomerular Cell Function?** – Roderick Tan

Controversies in Phosphorus Homeostasis and Management in CKD.....W414

Moderators: Kenneth White, Myles Wolf

- 2:00 p.m. **Soluble Klotho Has Direct Actions That Regulate Phosphorus Homeostasis** – Li-Li Hsiao
- 2:30 p.m. **Soluble Klotho Does Not Have Direct Actions That Regulate Phosphorus Homeostasis** – Christian Faul
- 3:00 p.m. **Reducing Dietary Phosphorus Intake Is Critical for Preventing CKD-MBD** – Annabel Biruete
- 3:30 p.m. **Reducing Dietary Phosphorus Intake Is Counterproductive in Preventing CKD-MBD** – Kathleen Hill Gallant

Metabolism and Kidney DiseasesW230

Moderators: Jeanie Park, Sian Piret

- 2:00 p.m. **Metabolic Decision in Development and Disease: Overview in Kidney Perspective** – Scott Summers
- 2:30 p.m. **Renal Metabolism and Hypertension** – Mingyu Liang
- 3:00 p.m. **Fructose Metabolism in Kidney Diseases** – Miguel Lanaspá
- 3:30 p.m. **Metabolic Reprogramming in PKD** – Alessandra Boletta

Skeletal Muscle: An Underappreciated Target Organ in CKD.....W304

Moderators: Clara Bohm, Hui Cai

- 2:00 p.m. **Mitochondrial Health and Muscle Bioenergetics in CKD** – Baback Roshanravan
- 2:30 p.m. **Skeletal Muscle Regeneration and Fibrosis in CKD and Dialysis** – Matthew Abramowitz
- 3:00 p.m. **Muscle Wasting, Autophagy, and CKD** – Xiaonan Wang
- 3:30 p.m. **Insights into Muscle-Kidney Cross-Talk** – Tobias Huber

Untangling Determinants of AKI Through an -Omics Approach, Including the Robert W. Schrier Endowed Lectureship.....W308

ASN gratefully acknowledges Otsuka America Pharmaceutical, Novartis, Astellas Pharma US, and several individuals for support of the Robert W. Schrier, MD, Endowed Lectureship.

Moderators: Eugene Rhee, Tomokazu Souma

- 2:00 p.m. **Spatial Transcriptomics in AKI** – Eryn Dixon
- 2:30 p.m. **Proteomics in AKI** – Roman-Ulrich Mueller
- 3:00 p.m. **Metabolomics in AKI** – Samir Parikh
- 3:30 p.m. **Integrating Analysis of Animal Models and Human Biopsies to Better Understand AKI: The Robert W. Schrier, MD, Endowed Lectureship** – Lloyd Cantley

Thursday, November 3, 2:00 p.m. – 4:00 p.m.

A Look in the Crystal Ball: COVID-19 and the Future of Outpatient Dialysis.....WF2 Tangerine
ASN thanks the ASN COVID-19 Response Team for assistance with this session.

Moderators: Brigitte Schiller, Jeffrey Silberzweig

- 2:00 p.m. **Dialysis Facility Staffing in the Wake of COVID-19** – Jeffrey Hymes
- 2:30 p.m. **Vaccine Requirements: Are Mandates Ethical?** – Olivia Kates
- 3:00 p.m. **ESRD Network Roles: Patient Resources and Regulatory** – Kamyar Kalantar-Zadeh
- 3:30 p.m. **Most Important Good and Bad Impacts of COVID in Dialysis** – Dawn Edwards

Case Studies in Glomerular Diseases 2022W320 Chapin

Support is provided by an educational grant from Travere Therapeutics, Inc.

Moderators: Leal Herlitz, Brad Rovin

- 2:00 p.m. **Case 1** – Richard Lafayette
- 2:30 p.m. **Case 2** – Keisha Gibson
- 3:00 p.m. **Case 3** – Dawn Caster
- 3:30 p.m. **Case 4** – Jonathan Barratt

Current Approaches to the Management of Common Cardiorenal SyndromesW307

Moderators: Josee Bouchard, Anitha Vijayan

- 2:00 p.m. **Prevention and Management of AKI in Acute Heart Failure: The Importance of Decongestion** – Janani Rangaswami
- 2:30 p.m. **Prevention of Contrast-Associated AKI in Patients Undergoing Coronary Angiography** – Neesh Pannu
- 3:00 p.m. **Prevention and Management of AKI in Patients Undergoing Cardiac Surgery** – Andrew Shaw
- 3:30 p.m. **“Permissive AKI” Is the Price of Success When Using SGLT2 Inhibitors in Cardiorenal Syndromes** – Adeera Levin

Novel Treatments for Resistant Hypertension in Advanced CKDW311

Moderators: George Bakris, Karen Griffin

- 2:00 p.m. **Nonsteroidal Mineralocorticoid Receptor Blocker (KBP-5074) for Hypertension in Stage 4 CKD** – Pablo Pergola
- 2:30 p.m. **Combined Endothelin A and B Antagonists in Patients with Stage 4 CKD** – Ernesto Schiffrin
- 3:00 p.m. **Effects of Firimab, a First-in-Class Centrally Acting Aminopeptidase Inhibitor on Resistant Hypertension** – Michel Azizi
- 3:30 p.m. **Kidney Denervation for Hypertension: Where We Are Now** – Raymond Townsend

What Can Genomic Sequencing Offer People with CKD?W240

Moderators: Elhussein Elhassan, Mathieu Lemaire

- 2:00 p.m. **Genomic Sequencing for Patients with Kidney Failure: What Is the Diagnostic Yield?** – Jan Halbritter
- 2:30 p.m. **Exploring the Impact of Genomic Sequencing for Patients with Established CKD** – Ali Gharavi
- 3:00 p.m. **Health Economic Argument for Early Genomic Sequencing for Patients with CKD** – Paola Romagnani
- 3:30 p.m. **Diagnostic Yield and Clinical Utility of Genomic Sequencing for Children with CKD** – Asheeta Gupta

Thursday, November 3, 2:00 p.m. – 4:00 p.m.

Future Shock: Transformational Therapies for Kidney FailureWF3 Tangerine

Support is provided by an educational grant from eGenesis, Inc.

Moderators: Raymond Harris, Melissa West

- 2:00 p.m. **Where Are We with Portable and Wearable Hemodialysis?** – Jonathan Himmelfarb
- 2:30 p.m. **Progress Toward Implantable Artificial Kidneys** – Shuvo Roy
- 3:00 p.m. **Cure Is the Best Treatment: Genome Editing** – Jeremy Duffield
- 3:30 p.m. **Making Sure the Patient Perspective Is Heard: The Kidney Health Initiative Patient and Family Partnership Council** – Leigh-Ann Williams

New Directions and Strategies to Improve Hypertension and Pain Management in CKDW415 Valencia

Moderators: Linda Awdishu, Adriana Hung

- 2:00 p.m. **It's in the Genes: The Knowns and Unknowns of Hypertension and CKD Progression in African American Patients** – Carol Horowitz
- 2:30 p.m. **Implementation of a Genomics Program to Guide Optimal Selection of Antihypertensive Medications** – Rhonda Cooper-DeHoff
- 3:00 p.m. **Get Smart: Using Pharmacogenomics in CKD Hypertension Management** – Michael Eadon
- 3:30 p.m. **Improving Effectiveness and Safety of Opioid Use Through Pharmacogenomics-Guided Therapy** – D. Max Smith

Choose Your Own Adventure: Nephrology Career Paths.....W314

Moderators: Stanley Crittenden, Tejas Desai

- 2:00 p.m. **The Research Nephrologist** – Opeyemi Olabisi
- 2:10 p.m. **The Private Practitioner** – Timothy Pflederer
- 2:20 p.m. **The Clinician Educator** – Kenar Jhaveri
- 2:30 p.m. **The Nephrologist Business Leader** – Mahesh Krishnan
- 2:40 p.m. **The Nephrologist in Industry** – Yasmin Brahmhatt
- 2:50 p.m. **The Nephrologist in Government** – Susan Mendley
- 3:00 p.m. **Panel Discussion**

Thursday, November 3, 4:30 p.m. – 6:00 p.m.

Autosomal Dominant Tubulointerstitial Kidney Disease: New Diagnostics and TherapiesWF1 Tangerine

Moderators: Anthony Bleyer, Ronak Lakhia

- 4:30 p.m. **Landscape of REN Mutations** – Martina Zivna
- 4:50 p.m. **UMOD Disease Genetics and Models** – Luca Rampoldi
- 5:10 p.m. **MUC1 Biology and Models** – Anna Greka
- 5:30 p.m. **Kidney Plasticity Revealed Through Reversal of PKD in Mice** – Stefan Somlo

Impact of MicroRNAs and Circular RNAs on the Pathogenesis and Prognosis of Glomerular Diseases.....W304

Support is provided by an educational grant from Travers Therapeutics, Inc.

Moderators: Vineet Gupta, Francesco Schena

- 4:30 p.m. **MicroRNAs in Membranous Nephropathy and FSGS** – Mario Schiffer
- 4:50 p.m. **MicroRNAs in IgA Nephropathy** – Izabella Pawluczky
- 5:10 p.m. **MicroRNAs in Diabetic Nephropathy** – Maurice Fluitt
- 5:30 p.m. **Circular RNAs and MicroRNAs in Lupus Nephritis** – Jeffrey Kopp

Thursday, November 3, 4:30 p.m. – 6:00 p.m.

Implementing the Race-Free eGFR Equations in Clinical Practice:

Where Are We Now?.....WF2 Tangerine

Support is provided by an educational grant from Chinook Therapeutics, Inc.

Moderators: Cynthia Delgado, Neil Powe

4:30 p.m. **Adoption of the Race-Free Equations: Where Are We Now?** – Joseph Vassalotti

4:50 p.m. **New Approaches to Medication-Related Decision Making After Taskforce Recommendations** – Thomas Nolin

5:10 p.m. **Effect of 2022 CKD-EPI Equation on Donor Evaluation and Kidney Transplant Candidacy** – John Friedewald

5:30 p.m. **Cystatin C Barriers and Facilitators to Widespread Implementation in Practice** – Amy Karger

Why Allografts Fail: Clinical, Histopathological, and Molecular Approach to Chronic Allograft Injury, Including the Barbara T. Murphy Endowed LectureshipWF3 Tangerine

ASN gratefully acknowledges Verici Dx, Renalytix, and the American Society of Transplantation for supporting this lectureship.

Moderators: Roy Bloom, Mark Haas

4:30 p.m. **Improving Kidney Graft Long-Term Outcomes: Lessons Learned and New Perspectives: The Barbara T. Murphy, MB BAO BCh, Endowed Lectureship** – Roslyn Mannon

4:50 p.m. **Molecular Approaches to Chronic Allograft Injury** – Valeria Mas

5:10 p.m. **Update to Banff Histopathological Diagnosis of Chronic Allograft Injury** – Michael Mengel

5:30 p.m. **Contributions of Antibody-Mediated and Cell-Mediated Alloimmunity to Chronic Graft Injury** – Peter Nickerson

European Nephrology Highlights: Updates from the 2022 ERA CongressW224

ASN thanks the European Renal Association (ERA) for assistance with this session.

Moderators: Serhan Tuglular, Christoph Wanner

4:30 p.m. **Basic Science and Translational Nephrology** – Marianne Verhaar

4:50 p.m. **Epidemiology and Clinical Nephrology** – Kitty Jager

5:10 p.m. **ESKD and Dialysis** – Giovanni Gambaro

5:30 p.m. **Kidney Transplantation** – Andreas Kronbichler

Oral Abstract Sessions

AKI Research: Prediction, Diagnosis, RecoveryW230

Moderators: Katja Gist, Sarah Huen

- 4:30 p.m. **TH-OR01 Clonal Hematopoiesis of Indeterminate Potential Is Associated With a Higher Risk of Incident AKI** – Caitlyn Vlasschaert
- 4:39 p.m. **TH-OR02 Leveraging AKI Recovery Patterns Reveals a Genome-Wide Significant Variant Associated With a Higher Risk of Non-Resolving AKI** – Pavan Bhatraju
- 4:48 p.m. **TH-OR03 Associations of Blood Mitochondrial DNA Copy Number With Risk of AKI After Cardiac Surgery** – Vasantha Jotwani
- 4:57 p.m. **TH-OR04 Oral Anticoagulant Therapy and Risk of Kidney Disease: A Nationwide Cohort Study** – Ane Emilie Vestergaard
- 5:06 p.m. **TH-OR05 Urine NGAL for AKI Screening Following Triggering of Baby NINJA (Nephrotoxic Injury Negated by Just-in-Time Action)** – Cara Slagle
- 5:15 p.m. **TH-OR06 Development of a Machine Learning Algorithm to Predict Major Adverse Kidney Events (MAKE) After Hospitalization** – Jay Koyner
- 5:24 p.m. **TH-OR07 Machine Learning Models Uncover Subphenotypes of AKI With Unique Signatures That Associate With Differing Clinical Outcomes** – George Vasquez-Rios
- 5:33 p.m. **TH-OR08 Machine Learning for Development of a Real Time AKI Risk Prediction Model in ICU With External Validation and Federated Learning at Five Medical Centers: From Model Development to Clinical Application** – Chun-Te Huang
- 5:42 p.m. **TH-OR09 AKI Flagger: A Standardized AKI Definition Tool for Electronic Health Record (EHR) Research** – Abinet Akkilu
- 5:51 p.m. **TH-OR10 Novel Urinary Proteins Differentiate Sub-Phenotypes in Patients With Sepsis-Induced AKI** – Ian Stanaway

Dialysis: Patient-Centered Interventions and OutcomesW414

Moderators: Sahir Kalim, Mariana Murea

- 4:30 p.m. **TH-OR11 Role of the Pre-Hemodialysis Lung Ultrasound for Dry-Weight Assessment and Intradialytic Hypotension Risk Prediction** – Giulia Palazzini
- 4:39 p.m. **TH-OR12 Application of Intradialytic Magnetic Resonance Imaging and Spectroscopy Demonstrates Hemodialysis-Related Acute Brain Injury** – Dickson Wong
- 4:48 p.m. **TH-OR13 Intradialytic Exercise Is Associated With Lower Mortality Risk in Hemodialysis Patients** – Pedro Martins
- 4:57 p.m. **TH-OR14 0.075% Capsaicin Lotion for the Treatment of Peripheral Neuropathy in ESRD Patients: A Multicenter Randomized Double-Blind Placebo-Controlled, Cross-Over Trial** – Parinada Kittidanairuk
- 5:06 p.m. **TH-OR15 Preferences for End-of-Life Care Among Dialysis Patients: A Discrete Choice Experiment** – Ania Filus
- 5:15 p.m. **TH-OR16 DIALIZE China: A Phase 3b Study to Reduce Pre-Dialysis Hyperkalemia With Sodium Zirconium Cyclosilicate in Chinese Subjects** – June Zhao
- 5:24 p.m. **TH-OR17 Effect of ESRD Treatment Choices (ETC) on Home Dialysis Utilization Among Incident Dialysis Patients** – Kirsten Johansen
- 5:33 p.m. **TH-OR18 The Effects of Implementing a Home Dialysis Project ECHO** – Christopher Chan
- 5:42 p.m. **TH-OR19 High-Flow Arteriovenous Fistula and Myocardial Fibrosis in Hemodialysis Patients With Non-Contrast Cardiac Magnetic Resonance Imaging** – Jwa-kyung Kim
- 5:51 p.m. **TH-OR20 Biofunctionalized Vascular Access Graft Enhanced Patency and Endothelialization in a Pig Arteriovenous (AV) Model** – Prakash Parthiban Selvakumar

Thursday, November 3, 4:30 p.m. – 6:00 p.m.

Hypertension and CVD: Epidemiology, Risk Factors, PreventionW240

Moderators: Ruth Dubin, Sandra Taler

- 4:30 p.m. [TH-OR21](#) **Hyperaldosteronism Screening Among a Large Diverse Resistant Hypertension Population Within an Integrated Healthcare System** – Victor Kim
- 4:39 p.m. [TH-OR23](#) **Influence of Baseline Diastolic BP (DBP) on the Effects of BP Lowering on Cardiovascular (CV) Outcomes: A Meta-Analysis of NIH BP Trials** – Amara Sarwal
- 4:48 p.m. [TH-OR24](#) **Sex Difference in Cardiovascular Risk in Non-CKD and CKD: NHANES 1999-2018** – Ester Oh
- 4:57 p.m. [TH-OR25](#) **Associations of Impaired Kidney Function With Cerebral Small Vessel Disease and Cognitive Disorders: Findings From the Framingham Heart Study** – Dearbhla Kelly
- 5:06 p.m. [TH-OR26](#) **Nutritional Status and Cardiorenal Syndrome: Associations of Protein-Energy Wasting and Abdominal Obesity With the Risk of Heart Failure in CKD** – Tejita Agarwal
- 5:15 p.m. [TH-OR27](#) **Role of Human T Cells in Hypertension and Hypertensive Organ Damage** – Johannes Stegbauer
- 5:24 p.m. [Invited Lecture](#) **Undiagnosed Primary Hyperaldosteronism and Renal Implications** – Gordon Williams

Pediatric Nephrology: From Bench to BedsideW307

Moderators: Detlef Bockenhauer, Michelle Rheault

- 4:30 p.m. [TH-OR28](#) **HLA-DR/DQ Single Molecule Eplet Mismatch and Formation of De Novo Donor-Specific Anti-HLA Antibodies After Kidney Transplantation in Children** – Vaka Sigurjonsdottir
- 4:39 p.m. [TH-OR29](#) **A Multi-Population Polygenic Risk Score for Pediatric Steroid Sensitive Nephrotic Syndrome Is Correlated With Disease Age at Onset** – China Nagano
- 4:48 p.m. [TH-OR30](#) **Prevalence and Persistence of CKD and Hypertension 36 Months Post-Cisplatin in Children** – Kelly McMahon
- 4:57 p.m. [TH-OR31](#) **Rapid Correction of Hyponatremia Is Not Associated With Mortality or Neurological Morbidity in Children: The Correcting Hyponatremia in Children Study** – Madeleine Didsbury
- 5:06 p.m. [TH-OR32](#) **Intradialytic Hypotension and Mortality in Children and Young Adults** – Xixi Zhao
- 5:15 p.m. [TH-OR33](#) **Urinary DKK3 Predicts Short-Term eGFR Decline and Nephroprotective Efficacy of Antihypertensive Therapy in Children With CKD: Findings From the 4C Study and ESCAPE Trial** – Franz Schaefer
- 5:24 p.m. [TH-OR34](#) **Nedosiran in Patients With Primary Hyperoxaluria 1: Interim Results From an Extension Trial (PHYOX3)** – John Lieske
- 5:33 p.m. [TH-OR35](#) **Ciliary ARL13B Is a Major Driver of Kidney Cystogenesis** – Robert Van Sciver
- 5:42 p.m. [TH-OR36](#) **Arginine Metabolism Has a Pivotal Role in Cystogenesis of Tuberos Sclerosis Complex (TSC) and Its Inhibition Alleviates TSC Cyst Overload** – Morris Nechama
- 5:51 p.m. [TH-OR37](#) **Correction of Pkd1 Loss-of-Function Model by Targeted Therapeutic Gene Transfer** – Almira Kurbegovic

Technology-Based Approaches in Nephrology.....W308

Moderators: Joseph Bonventre, Patrick Murray

- 4:30 p.m. [TH-OR38](#) **Transdermal Glomerular Filtration Rate Measurement: Clinical Results From a Pilot Multicenter Study Establishing Feasibility and Efficacy** – Richard Dorshew
- 4:39 p.m. [TH-OR39](#) **Evaluation of Renal Blood Flow Using 64Cu-ATSM PET** – Naoki Takahashi
- 4:48 p.m. [TH-OR40](#) **Targeted Isolation of Urine-Derived Renal Tubular Cells for Personalised Medicine** – Chutong Zhong
- 4:57 p.m. [TH-OR41](#) **CODEX Multiplex Imaging Uncovers Unique Cell Types, States, and Niches in Health and Disease** – Daria Barwinska
- 5:06 p.m. [TH-OR42](#) **Super-Resolution Microscopy in Clinical Specimens Using Conventional Widefield Microscopes** – Dominik Kylies
- 5:15 p.m. [TH-OR43](#) **Analyzing Cell Type-Specific Dynamics of Metabolism in Kidney Repair** – Ton Rabelink
- 5:24 p.m. [TH-OR44](#) **High Resolution Spatially Resolved Transcriptomic Atlas of Kidney Injury and Repair With Direct RNA Hybridization-Based In Situ Sequencing** – Haojia Wu
- 5:33 p.m. [TH-OR45](#) **Genome-Wide CRISPR Screen Reveals That Elamipretide (SS-31) Mediated PLSCR3 Activation Mitigates Mitochondrial Dysfunction During AKI** – Josie Silvaroli
- 5:42 p.m. [TH-OR46](#) **Downregulation of Syndecan-1 and Alternative Complement in Renal Proximal Tubular Epithelial Cells by Crotamine/Sirna Complexes** – Jacob van den Born
- 5:51 p.m. [TH-OR47](#) **#AskRenal: Use of an Automated Twitter Account to Crowdfund Nephrology Queries** – Jade Teakell

Transplantation: Basic ResearchW314

Moderators: Xun-Rong Luo, Jonathan Maltzman

- 4:30 p.m. [TH-OR48](#) **Using Three-Dimensional Imaging and Single-Cell Transcriptomics to Interrogate Human Kidney Lymphatics in Transplant Rejection** – Daniyal Jafree
- 4:39 p.m. [TH-OR49](#) **Critical Role of CD74 in Immune Regulation and Allograft Tolerance** – Zhabiz Solhjoui
- 4:48 p.m. [TH-OR50](#) **Single Nuclei RNA-Sequencing Identifies Distinct Immune Profiles in Interstitial Fibrosis and Tubular Atrophy Human Allografts Following 15 Months Post-Transplantation** – Thomas Rousselle
- 4:57 p.m. [TH-OR51](#) **A Single-Nucleus RNA-Sequencing of Human Kidney Transplant Biopsies Identifies a Novel Role of Pericytes and Endothelium in Cellular Rejection** – Ahmad Halawi
- 5:06 p.m. [TH-OR52](#) **IL-2/Anti-IL-2 Immune Complex Attenuates Cold Ischemia-Reperfusion Injury in Kidney Transplantation by Expanding Regulatory T Cells** – Ga Young Heo
- 5:15 p.m. [TH-OR53](#) **Mobilizing MHC Class Ib-Restricted Regulatory CD8 T Cells (CD8 Treg) With a Peptide Agonist Promotes Allograft Tolerance in a Fully Mismatched Mouse Kidney Transplant Model** – John Choi
- 5:24 p.m. [TH-OR54](#) **Targeting the Archetypal Innate Immune Receptor Integrin CD11b Prolongs Kidney Allograft Survival in Nonhuman Primates (NHPs)** – Abbas Dehnadi
- 5:33 p.m. [TH-OR55](#) **Molecular and Cellular Mechanisms of Lipocalin-2-Mediated Renoprotection in Kidney Transplantation** – Anna Pfefferkorn
- 5:42 p.m. [TH-OR56](#) **Phascolarctobacterium-Producing Propionate and Acute Rejection Among Kidney Transplant Recipients** – Hyunjeong Cho
- 5:51 p.m. [TH-OR57](#) **Cytomegalovirus-Responsive CD4 T Cells Exhibit a Stable, Cytotoxic Phenotype During the First Year After Solid Organ Transplant** – Ayah Ahmad

Poster Sessions

Thursday, November 3 | West Exhibit Hall D

Poster Topics	Board #s
NIH/NIDDK and Informational Posters	INFO01-40
Educational Research	001-021
AKI: Biomarkers, Risk Factors, Treatments, Outcomes.....	022-081
AKI: Mechanisms - I.....	082-141
CKD-MBD: Targets and Outcomes.....	142-176
Diabetic Kidney Disease: Basic - I.....	177-227
Diabetic Kidney Disease: Clinical - I.....	228-255
Vascular Access: From Biology to Managing Complications	256-303
Fluid, Electrolyte, and Acid-Base Disorders: Basic.....	304-354
Genetic Diseases of the Kidneys: Cystic - I.....	355-414
Glomerular Diseases: Inflammation and Fibrosis.....	415-439
Glomerular Diseases: Podocytopathies and Nephrotic Syndromes.....	440-471
Glomerular Diseases: Clinical, Outcomes, Trials - I.....	472-528
Pathology and Lab Medicine.....	529-588
Hypertension and CVD: Epidemiology, Risk Factors, Prevention.....	589-635
Transplantation: Basic.....	636-655
Anemia and Iron Metabolism.....	656-705
Diversity and Equity in Kidney Health - I.....	706-743
Sex and Reproductive Factors in Kidney Health.....	744-767
Voices, Choices, and Outcomes of Older Adults with CKD.....	768-799
Health Maintenance, Nutrition, Metabolism.....	800-851
CKD: Epidemiology, Risk Factors, Prevention - I.....	852-900
COVID-19: Long COVID.....	901-913
COVID-19: Vaccines and Outcomes ESRD/KTR.....	914-963
Late-Breaking Clinical Trials	964-996
NIDDK KUH Summer Undergraduate Research Program	997-1006

Abstract details are available in the Kidney Week app
and at www.asn-online.org/kidneyweek.



Welcome Reception
Thursday, November 3
6:00-7:00 p.m.
West Exhibit Hall D

*The Welcome Reception is supported
by Fresenius Medical Care Renal
Pharmaceuticals.*



DIGITAL PATHOLOGY ROOM

Room W310

Digital Pathology Room Hours

Thursday, Nov. 3
9:30 a.m. – 4:30 p.m.

Friday, Nov. 4
9:30 a.m. – 4:30 p.m.

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 5, when the final diagnoses are 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.

ASN thanks the Renal Pathology Society for assistance with the Digital Pathology Room.



**KIDNEY
WEEK** 2022

ASN Career Fair

Meet face-to-face with top employers looking to hire!

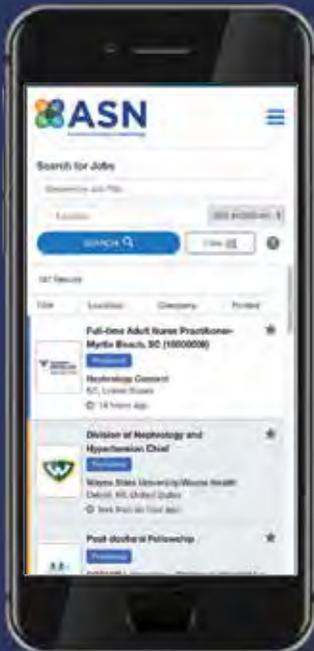
November 3–5
9:30 a.m. – 2:30 p.m.

West Exhibit Hall D

ASN invites you to take part in the ASN Career Fair. Connect with employers and find your next nephrology opportunity. All Annual Meeting registrants are welcome to participate for free!

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.



Get your resume in front of employers hiring nephrology professionals who search the database.



Search jobs that are posted right from your smartphone or tablet.



Be the first to get job alerts when a job that meets your criteria is posted.



Gain resume writing tips and how to prepare for an interview.

Visit careers.asn-online.org to get started!



DAY-AT-A-GLANCE

Friday, November 4

8:00 a.m. – 9:30 a.m.

Plenary: ASN President's Medal, Barbara T. Murphy Trailblazer Award,
John P. Peters Award, Donald W. Seldin Young Investigator Award and Address,
State-of-the-Art LectureW415 Valencia

9:30 a.m. – 2:30 p.m.

Morning Break (9:30 a.m. – 10:00 a.m.)..... West Exhibit Hall D
Scientific Exposition and Posters (9:30 a.m. – 2:30 p.m.)..... West Exhibit Hall D
Poster Presentations by Authors (10:00 a.m. – 12:00 p.m.) West Exhibit Hall D

10:30 a.m. – 12:30 p.m.

Basic/Clinical Science Sessions

Developing Personalized Medicine for Peritoneal Dialysis Patients..... WF2 Tangerine
Hypertension Is an Immune-Mediated Disease..... W311
Nephron Endowment and Links to Cessation of Nephrogenesis..... W240
New Insights into Paracellular Transport and Tight Junction Architecture in Kidney..... W230
Regulatory, Inflammatory B Cells and Autoantibodies:
From Bench to Human Translation WF3 Tangerine

Clinical Practice Sessions

Nephrologists as Primary Care Physicians WF1 Tangerine
Potpourri of Infection-Related Glomerular Diseases..... W304
Update on Treatment Considerations in Nephrolithiasis..... W414

Translational Sessions

Biomarkers and Diabetic Kidney Disease W224
Throw It into Reverse: AKI Science at the Bedside W320 Chapin

Oral Abstract Session

High-Impact Clinical Trials W415 Valencia

Other Event

Fellows-in-Training Bowl: Semi-Finals and Finals West Exhibit Hall D

12:45 p.m. – 1:45 p.m.

Educational Symposia (Hyatt Regency Orlando) – Doors open at 12:30 p.m.

Current and Future Approaches to the Diagnostic Assessment and
Management of AKI in Patients with Cirrhosis..... Regency Ballroom R
Hyperphosphatemia Management in Adults Treated with Dialysis for
Kidney Failure: Old Lessons, New Directions Regency Ballroom S
Update on the Management of Recurrent Hyperkalemia Associated with
RAAS Inhibitors in Patients with CKD and ESRD..... Regency Ballroom T

2:00 p.m. – 4:00 p.m.

Basic/Clinical Science Sessions

Best of ASN Journals 2022: JASN, CJASN, and Kidney360..... W314
Emerging Therapeutic Approaches in AKI: New Targets and How to Reach Them W308
Extracellular Matrix Pathobiology in CKD and Alport Syndrome WF1 Tangerine
Lifestyle Interventions: Findings from Recent Trials..... W304
Macula Densa Front and Center..... W230
Novel Mechanisms of BP Regulation W311
Pediatric AKI Is More Than Just a (Creatinine) Number: Challenges and Advances to Care W240

2:00 p.m. – 4:00 p.m.

Basic/Clinical Science Sessions (cont.)

Regenerating the Diabetic Kidney..... W224
Vascular Access: Promising Dialysis Innovation to Ensure Equity in Opportunities and
Care Delivery..... WF2 Tangerine

Clinical Practice Sessions

Evidence-Based Management of Septic AKI,
Including the Burton D. Rose Endowed Lectureship..... W307
Glomerulonephritis in Systemic Diseases: Emphasis on Emerging Therapies and
Prognosis.....W415 Valencia
Improving Patient Care at the Transition to Kidney Failure:
Insights from USRDS and DOPPS..... W320 Chapin

Translational Sessions

Modern Scientific Breakthroughs: Are COVID-19 Vaccines Enough for
Kidney Transplant Recipients?.....WF3 Tangerine
Molecular Diagnostics in Interpretation of Native and Transplant Kidney Biopsies..... W315
Novel Strategies for Preventing End-Organ Damage and Dysfunction from CKD-MBD,
Including the Jack W. Coburn Endowed Lectureship..... W414

4:00 p.m. – 4:30 p.m.

Afternoon Break.....West Lobby D, West Lobby E/F, W415 Valencia Foyer, W320 Foyer

4:30 p.m. – 6:00 p.m.

Basic/Clinical Science Session

Where It Begins: Complex Genetic Drivers of Kidney Phenotypes..... WF1 Tangerine

Clinical Practice Sessions

AKI in Cirrhosis: Will Personalized Management Improve Outcomes?..... W224
Leveraging Social Media to Create, Learn, Teach, Advocate, and Dispel Misinformation..... W304
Trauma Behind My Smile: Better Access to Behavioral Health Resources During the
Transplant Process, Including the Celeste Castillo Lee Endowed Lectureship..... WF3 Tangerine

Translational Session

Advancing Clinical Trials for People with Kidney Diseases: An Overview..... WF2 Tangerine

Oral Abstract Sessions

Advances in Mineral Metabolism and Nephrolithiasis..... W314
AKI Research: Mechanisms..... W230
CKD: Clinical Outcomes, Trials, Mechanistic Insights..... W307
Diabetic Kidney Disease: From Single Cell to Outcomes..... W240
Fluid, Electrolyte, and Acid-Base Disorders Research..... W308
Glomerular Diseases: From Bench to Bedside..... W414

Other Event

Building Capacity to Collect Patient Preferences Information for Innovative Kidney Devices..... W315

Topical Chats

IMGs and Immigration Challenges: The Great Burnout.....W221A
The Renal Biopsy Report: What Nephrologists Need for Optimal Patient Care.....W221E

**Download the meeting app or scan the
QR code for more details and updates.**



Friday, November 4, 8:00 a.m. – 9:30 a.m.

- Plenary: ASN President's Medal, Barbara T. Murphy Trailblazer Award, John P. Peters Award, Donald W. Seldin Young Investigator Award and Address, State-of-the-Art Lecture.....W415 Valencia**
- 8:00 a.m. **ASN President's Medal** – Patrick Gee, Glenda Roberts, David Rush
- 8:10 a.m. **Barbara T. Murphy Trailblazer Award** – Julie Ingelfinger
- 8:20 a.m. **John P. Peters Award** – Sharon Anderson
- 8:30 a.m. **Donald W. Seldin Young Investigator Award and Address "Unexpected Roles for Renal Olfactory Receptors"** – Jennifer Pluznick
- 9:00 a.m. **State-of-the-Art Lecture "Making the Impossible Possible: First-In-Human Clinical Grade Kidney Xenotransplant"** – Jayme Locke

Friday, November 4, 10:30 a.m. – 12:30 p.m.

Developing Personalized Medicine for Peritoneal Dialysis Patients.....WF2 Tangerine

Moderators: Jeffrey Perl, Isaac Teitelbaum

- 10:30 a.m. **Developing Personalized Medicine for Dialysis Patients** – Rajnish Mehrotra
- 11:00 a.m. **Genetic Studies and Precision Medicine in Dialysis Patients** – Olivier Devuyst
- 11:30 a.m. **Individualizing Dialysis Therapy: Identifying the Patient at Risk** – Claus Peter Schmitt
- 12:00 p.m. **Cytoprotection in Peritoneal Dialysis** – Rebecca Herzog

Hypertension Is an Immune-Mediated Disease.....W311

Moderators: Susan Gurley, Jennifer Pluznick

- 10:30 a.m. **Is Hypertension an Immune Disease?** – David Harrison
- 11:00 a.m. **Monocytes as Immune Targets in Arterial Hypertension** – Philip Wenzel
- 11:30 a.m. **Minocycline as a Treatment of Resistant Hypertension: Results of a Clinical Study** – Eileen Handberg
- 12:00 p.m. **Role of Immune Cells in Hypertension** – Ernesto Schiffrin

Nephron Endowment and Links to Cessation of Nephrogenesis.....W240

Moderators: Jennifer Charlton, Greg Dressler

- 10:30 a.m. **Progenitor Translatome Changes End Nephrogenesis** – Raphael Kopan
- 11:00 a.m. **Prolongation of Mammalian Nephrogenesis by Excess Fetal Glial Cell Line-Derived Neurotrophic Factor** – Satu Kuure
- 11:30 a.m. **Lin28 and Let-7 Regulate Cessation of Murine Nephrogenesis** – Jihan Osborne
- 12:00 p.m. **Chromatin Changes in Nephron Progenitors** – Samir El-Dahr

New Insights into Paracellular Transport and Tight Junction Architecture in KidneyW230

Moderators: Vivek Bhalla, Alan Yu

- 10:30 a.m. **Claudin-2 and -12 Form Independent Complementary Pores Required to Maintain Calcium Homeostasis** – R. Todd Alexander
- 11:00 a.m. **Interaction Between Epithelial Sodium Channel (ENaC) and Claudin-8 Modulates Paracellular Permeability in Collecting Duct** – Ali Sassi
- 11:30 a.m. **Calcium Sensing and Claudin Regulation in Kidney** – Henrik Dimke
- 12:00 p.m. **Role of Claudin-10 Splice Variants in Paracellular Transport in Kidney and Underlying HELIX Syndrome** – Dorothee Günzel

Friday, November 4, 10:30 a.m. – 12:30 p.m.

Regulatory, Inflammatory B Cells and Autoantibodies: From Bench to Human Translation.....WF3 Tangerine

Moderators: Mohammed Javeed Ansari, Paolo Cravedi

- 10:30 a.m. **Development of Antigen-Specific Memory B Cells During Alloimmunity** – Stanley Jordan
- 11:00 a.m. **B Cell Cytokine Balance Early Post-Transplantation Is a Predictive Biomarker for Post-Transplant Outcomes** – Aravind Cherukuri
- 11:30 a.m. **Human Bregs Expressing TIM-1 and TIGIT Exhibit Regulatory Activity That Correlates with Kidney Transplant Outcomes** – SangKon Oh
- 12:00 p.m. **Autoantibodies Contribute to Microvascular Rarefaction and Progressive Kidney Dysfunction** – Marie-Josée Hebert

Nephrologists as Primary Care PhysiciansWF1 Tangerine

Moderators: Jeffrey Berns, Mallika Mendu

- 10:30 a.m. **Lipid Management in Patients with Kidney Diseases** – Roy Mathew
- 11:00 a.m. **Immunization in CKD** – Snigdha Reddy
- 11:30 a.m. **Cancer Screening in Dialysis Patients** – Mitchell Rosner
- 12:00 p.m. **Approach to Depression Screening and Treatment in Kidney Diseases** – Susan Hedayati

Potpourri of Infection-Related Glomerular Diseases.....W304

Support is provided by an educational grant from Travele Therapeutics, Inc.

Moderators: Ali Poyan-Mehr, Anjali Satoskar

- 10:30 a.m. **Epidemiology, Bacteriology, and Patterns of Glomerular Injury in Bacterial Infection-Related Glomerulonephritis** – Joseph Gaut
- 11:00 a.m. **Clinical Manifestations, Management, and Outcomes of Bacterial Infection-Related Glomerulonephritis** – Samir Parikh
- 11:30 a.m. **Viral-Associated Glomerular Diseases: Patterns of Glomerular Injury and Pathogenesis** – Christina Wyatt
- 12:00 p.m. **Clinical Manifestations and Management of Viral-Associated Glomerular Diseases** – Meghan Sise

Update on Treatment Considerations in Nephrolithiasis.....W414

Moderators: Cynthia Denu-Ciocca, Andrew Schwaderer

- 10:30 a.m. **Using Next Generation Sequencing to Identify Monogenic Urinary Stone Disease Patients** – Peter Harris
- 11:00 a.m. **Dietary Modification to Prevent Stone Recurrence: Does It Work?** – Megan Prochaska
- 11:30 a.m. **Clinical Pearls for the Use of 24-Hour Urine Studies to Assess Stone Risk** – John Asplin
- 12:00 p.m. **Oxalate and Adverse Health Effects: More Than Just Stones?** – Felix Knauf

Biomarkers and Diabetic Kidney DiseaseW224

Moderators: Steven Coca, Wenjun Ju

- 10:30 a.m. **Albuminuria and GFR** – Hiddo Heerspink
- 11:00 a.m. **Circulating Protein Markers** – Monika Niewczas
- 11:30 a.m. **Epigenetic Markers** – Assam El-Osta
- 12:00 p.m. **Machine Learning** – Laura Mariani

Friday, November 4, 10:30 a.m. – 12:30 p.m.

Throw It into Reverse: AKI Science at the Bedside.....W320 Chapin

Moderators: Eryn Dixon, Joachim Ix

- 10:30 a.m. **Updates from the Kidney Precision Medicine Project** – Jonathan Himmelfarb
11:00 a.m. **Mechanistic Markers Have Transformed Oncology, So What's on the Horizon for AKI?** – Shruti Gupta
11:30 a.m. **SGLT2 Inhibitors and AKI Protection: Signal, Noise, So What?** – Sarah Huen
12:00 p.m. **Advances in Imaging to Assess Kidney Health and Reserve** – Anand Srivastava

High-Impact Clinical Trials.....W415 Valencia

Please check the Kidney Week app or the ASN website for session details.

Fellows-in-Training Bowl: Semi-Finals and Finals West Exhibit Hall D

Support is provided by Chinook Therapeutics, Inc.

Note: Continuing education credits are not being offered for this activity.

Friday, November 4, 12:45 p.m. – 1:45 p.m.

Educational Symposia (Hyatt Regency Orlando) – Doors open at 12:30 p.m.

Lunch is provided. Limited seating; first-come, first-served to fully paid Annual Meeting participants.

Current and Future Approaches to the Diagnostic Assessment and Management of AKI in Patients with Cirrhosis.....Regency Ballroom R

Support is provided by an educational grant from Mallinckrodt Pharmaceuticals.

- 12:45 p.m. **Introduction** – Kathleen Liu (Moderator)
12:55 p.m. **Current Approach to the Diagnostic Evaluation of Patients with AKI and Cirrhosis** – Chirag Parikh
1:15 p.m. **Evidence-Based Management of Hepatorenal Syndrome with AKI** – Florence Wong
1:35 p.m. **Questions and Answers**

Hyperphosphatemia Management in Adults Treated with Dialysis for Kidney Failure: Old Lessons, New Directions.....Regency Ballroom S

Support is provided by an educational grant from Akebia Therapeutics, Inc.

- 12:45 p.m. **Introduction** – Ebele Umeukeje (Moderator)
12:55 p.m. **Phosphorus Metabolism in Kidney Failure: How Biology Informs Medication Therapy** – Sagar Nigwekar
1:15 p.m. **Diet Strategies to Improve Hyperphosphatemia Independent of and Integrated with Medication Therapy** – Kathleen Hill Gallant
1:35 p.m. **Questions and Answers**

Update on the Management of Recurrent Hyperkalemia Associated with RAAS Inhibitors in Patients with CKD and ESRD.....Regency Ballroom T

Support is provided by an educational grant from CSL Vifor.

- 12:45 p.m. **Introduction: Rationale Behind Using RAAS Inhibitors in Patients with CKD and CVD** – Alan Pao (Moderator)
12:55 p.m. **Advances in Therapies for Recurrent Hyperkalemia in Patients with CKD and ESRD** – Charles Wingo
1:15 p.m. **Update on Potassium Balance and the Molecular Mechanism Underlying Hyperkalemia** – Chou-Long Huang
1:35 p.m. **Questions and Answers**

Friday, November 4, 2:00 p.m. – 4:00 p.m.

Best of ASN Journals 2022: JASN, CJASN, and Kidney360W314

ASN thanks JASN, CJASN, and Kidney360 for assistance with this session.

Moderators: Michael Allon, Mark Knepper, Rajnish Mehrotra

- 2:00 p.m. **Advances in Glomerular Disease** – Katalin Susztak
- 2:40 p.m. **Caring for Patients with Kidney Failure** – Dana Miskulin
- 3:20 p.m. **New Insights into Hypertension and CVD** – Steven Crowley

Emerging Therapeutic Approaches in AKI: New Targets and How to Reach Them.....W308

Moderators: Monica Chang Panesso, Prabhleen Singh

- 2:00 p.m. **Senolytic Treatment to Promote Kidney Repair** – David Ferenbach
- 2:30 p.m. **Mitochondrial Therapy for AKI** – Amandeep Bajwa
- 3:00 p.m. **Nanotherapeutics in Kidney Biology** – Eun ji Chung
- 3:30 p.m. **Clinical Potential of Nanoparticles in AKI** – Daniel Heller

Extracellular Matrix Pathobiology in CKD and Alport SyndromeWF1 Tangerine

Moderators: Tomoko Horinouchi, Roser Torra

- 2:00 p.m. **Update on the Alport Syndrome Community, Research, and Education Efforts** – B. Andre Weinstock
- 2:30 p.m. **Kidney Basement Membrane Composition, Regulators, and Human Disease Associations** – Rachel Lennon
- 3:00 p.m. **Developing Gene Editing Approaches in Alport Syndrome** – Jeffrey Miner
- 3:30 p.m. **Therapeutic Development in Alport Syndrome** – Oliver Gross

Lifestyle Interventions: Findings from Recent Trials.....W304

Moderators: Devika Nair, Daniel Weiner

- 2:00 p.m. **Mobilizing a Multidisciplinary Team to Conduct a Lifestyle Intervention in Patients with CKD** – Erin Howden
- 2:30 p.m. **Sit Less, Move More! Targeting Sedentary Behavior in Patients with CKD** – Srinivasan Beddhu
- 3:00 p.m. **Exercise to Improve Outcomes in CKD: Evidence for Benefit?** – Thomas Wilkinson
- 3:30 p.m. **Barriers and Facilitators to Adopting Lifestyle Interventions: A Patient's Perspective** – Curtis Warfield

Macula Densa Front and CenterW230

Moderators: Branko Braam, Clintoria Williams

- 2:00 p.m. **Macula Densa Cells and Tubuloglomerular Feedback: The Basics** – Scott Thomson
- 2:30 p.m. **Unique Gene Expression Profile of Macula Densa Cells** – Lihe Chen
- 3:00 p.m. **Novel Macula Densa SGLT1-NOS1 Signaling Pathway and Its Implications** – Jie Zhang
- 3:30 p.m. **New Features of Macula Densa Cells: From Maculapodia to Protein Synthesis Powerhouse** – Janos Peti-Peterdi

Novel Mechanisms of BP Regulation.....W311

Moderators: Keyona King, Aaron Polichnowski

- 2:00 p.m. **Roles of WNK4 and SPAK in Potassium-Mediated Dephosphorylation of the NaCl Cotransporter** – David Ellison
- 2:30 p.m. **Hypothalamic Control of Sympathetic Nerve Activity in Hypertension** – Sean Stocker
- 3:00 p.m. **Mechanisms by Which Fructose Influences BP** – Richard Johnson
- 3:30 p.m. **Elucidating Immune Mechanisms Causing Hypertension During Pregnancy** – Kedra Wallace

Pediatric AKI Is More Than Just a (Creatinine) Number: Challenges and Advances to CareW240

Moderators: Tahagod Mohamed, Rupesh Raina

- 2:00 p.m. **Pediatric AKI: Another Example of How Children Are Not Little Adults** – Jeffrey Fadrowski
- 2:30 p.m. **Advances in the Prevention and Identification of Early AKI: The Role of Biomarkers and Artificial Intelligence** – Shina Menon
- 3:00 p.m. **Role and Impact of Quality Improvement Initiatives in Pediatric AKI** – Stuart Goldstein
- 3:30 p.m. **Kidney Prognosis of Children with AKI** – Cherry Mammen

Regenerating the Diabetic KidneyW224

Moderators: Sharon Adler, Matthias Kretzler

- 2:00 p.m. **Kidney Organoids for Disease Modeling** – Nuria Montserrat
- 2:30 p.m. **Immunomodulation versus Direct Repair** – Lilach Lerman
- 3:00 p.m. **Organoid Models for Studying Diabetic Nephropathy: Promises and Challenges** – Yun Xia
- 3:30 p.m. **Mitochondrial Transfer** – Kei Fukami

Vascular Access: Promising Dialysis Innovation to Ensure Equity in Opportunities and Care Delivery.....WF2 Tangerine

Moderators: Anna Burgner, Monnie Wasse

- 2:00 p.m. **Journey of Hemodialysis Access: The Patient Perspective** – Caroline Wilkie
- 2:30 p.m. **Cells to Polytetrafluoroethylene: How Biology Leads Us to New Technology in Vascular Access** – Laisel Martinez
- 3:00 p.m. **Visualizing Hemodialysis Vascular Access: Updates and Refreshers in Lessons from Radiology** – Dheeraj Rajan
- 3:30 p.m. **Shared Decision Making in Vascular Access: Practices to Achieve Equity and Personalized Care** – Louise Moist

Friday, November 4, 2:00 p.m. – 4:00 p.m.

Evidence-Based Management of Septic AKI, Including the Burton D. Rose Endowed Lectureship.....W307

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.

Moderators: Jay Koyner, Blaitthin McMahon

- 2:00 p.m. **Fluid Management in Septic AKI: When, What Type, and How Much? The Burton D. Rose, MD, Endowed Lectureship** – Kathleen Liu
- 2:30 p.m. **Vasoactive Drugs in Septic Shock and AKI: Which Drugs to Use, and Which Parameters to Target?** – Lui Forni
- 3:00 p.m. **Corticosteroid Therapy in Sepsis: Current Recommendations** – Marlies Ostermann
- 3:30 p.m. **RRT in Septic AKI: When to Start, How to Dose, and When to Stop?** – Ron Wald

Glomerulonephritis in Systemic Diseases:

Emphasis on Emerging Therapies and Prognosis..... W415 Valencia

Support is provided by an educational grant from Travers Therapeutics, Inc.

Moderators: Isabelle Ayoub, Dana Rizk

- 2:00 p.m. **IgA Vasculitis Nephritis: New Insights into Prognosis and Treatment from a Large International Study** – Evangeline Pillebout
- 2:30 p.m. **Pathogenesis-Based Treatment Approaches to ANCA Glomerulonephritis and Vasculitis** – David Jayne
- 3:00 p.m. **Current Treatment of Cryoglobulinemic Glomerulonephritis and Vasculitis** – David Saadoun
- 3:30 p.m. **Treatment of Lupus Nephritis: Beyond the Usual Suspects** – Liz Lightstone

Improving Patient Care at the Transition to Kidney Failure:

Insights from USRDS and DOPPS.....W320 Chapin

Moderators: Elaine Ku, Sri Lekha Tummalapalli

- 2:00 p.m. **Initiation of Treatment for Kidney Failure: How COVID-19 Has Influenced Care Practices in the United States** – James Wetmore
- 2:30 p.m. **International Perspective: Optimal Preparation for Kidney Failure** – Roberto Pecoits-Filho
- 3:00 p.m. **United States Perspective: What Is the “Optimal Start” for Kidney Replacement Therapy? How Often Do We Achieve It?** – Kirsten Johansen
- 3:30 p.m. **Aligning Care to Improve Management of CKD Complications: From Before to After the Transition to Dialysis** – Christian Combe

Modern Scientific Breakthroughs: Are COVID-19 Vaccines Enough for

Kidney Transplant Recipients?.....WF3 Tangerine

Moderators: Dianne McKay, Miklos Molnar

- 2:00 p.m. **COVID-19: Tweaking Immune Responses** – Maricar Malinis
- 2:30 p.m. **COVID-19: What We Know About Humoral and Cellular Responses?** – Paolo Cravedi
- 3:00 p.m. **Immune Responses in Transplant Recipients Who Received a Third Dose of mRNA-1273** – Atul Humar
- 3:30 p.m. **Vaccine Effectiveness in Transplant Recipients** – Andrew Karaba

Friday, November 4, 2:00 p.m. – 4:00 p.m.

Molecular Diagnostics in Interpretation of Native and Transplant Kidney Biopsies.....W315

Support is provided by an educational grant from Travers Therapeutics, Inc.

Moderators: Enver Akalin, Ivy Rosales

- 2:00 p.m. **Glomerular Transcriptomic Profiles in Nephrotic Syndrome** – Jeffrey Hodgkin
- 2:30 p.m. **Transcriptomic Studies in IgA Nephropathy and Lupus Nephritis** –
Francesco Schena
- 3:00 p.m. **Transcriptomics and the Pathogenesis of Diabetic Nephropathy** –
Raymond Harris
- 3:30 p.m. **Molecular Diagnostics of Kidney Transplant Rejection: An Update** –
Candice Roufosse

Novel Strategies for Preventing End-Organ Damage and Dysfunction from CKD-MBD, Including the Jack W. Coburn Endowed Lectureship.....W414

ASN gratefully acknowledges Amgen for support of the Jack W. Coburn, MD, Endowed Lectureship.

Moderators: Valentin David, Jessica Kendrick

- 2:00 p.m. **A Tangled Web: Complex Relationship Between CKD-MBD, Inflammation, and Anemia** – Jodie Babitt
- 2:30 p.m. **Contribution of Urinary Phosphate to CKD Progression** – Kyle Jansson
- 3:00 p.m. **Novel Strategies for the Prevention of Vascular Calcification in CKD** –
Demetrios Braddock
- 3:30 p.m. **Systems Biology Approach to the Management of CKD-MBD: The Jack W. Coburn, MD, Endowed Lectureship** – Eleanor Lederer

Friday, November 4, 4:30 p.m. – 6:00 p.m.

Where It Begins: Complex Genetic Drivers of Kidney PhenotypesWF1 Tangerine

Moderators: Moumita Barua, Afshin Parsa

- 4:30 p.m. **GWAS Identify Risk Variants in Diabetic Nephropathy** – Jose Florez
- 4:50 p.m. **GWAS-Defined Drug Targets in IgA Nephropathy** – Krzysztof Kiryluk
- 5:10 p.m. **Integrating Multiomics Data for a Better Understanding of Kidney Function and Disease** – Anna Kottgen
- 5:30 p.m. **APOL1: Toward Precision Medicine Approaches** – Adriana Hung

AKI in Cirrhosis: Will Personalized Management Improve Outcomes?W224

Moderators: Jean Maxime Cote, Ashita Tolwani

- 4:30 p.m. **Pathogenesis of Hepatorenal Syndrome** – Juan Carlos Velez
- 4:50 p.m. **Albumin Therapy in Cirrhosis: Too Much of a Good Thing?** – Andrew Allegretti
- 5:10 p.m. **Vasoconstrictor Therapy in Hepatorenal Syndrome: What Is the Evidence?** –
Mitra Nadim
- 5:30 p.m. **AKI Biomarkers in Patients with Cirrhosis: Can Improved Phenotyping Guide Better Therapy?** – Justin Belcher

Friday, November 4, 4:30 p.m. – 6:00 p.m.

Leveraging Social Media to Create, Learn, Teach, Advocate, and Dispel Misinformation.....W304

Moderators: Bourne Augustine, Gates Colbert

- 4:30 p.m. **Medical Illustrations and Visual Abstracts as a Means to Effectively Communicate Science** – Sophia Ambruso
- 4:55 p.m. **Podcasts for Medical Education: Learning by Listening** – Adam Rodman
- 5:20 p.m. **What Can a Nephrologist Do About Medical Misinformation?** – Jen Gunter

Trauma Behind My Smile: Better Access to Behavioral Health Resources During the Transplant Process, Including the Celeste Castillo Lee Endowed Lectureship.....WF3 Tangerine

ASN gratefully acknowledges Travers Therapeutics and several of Celeste's family members, friends, and colleagues for support of the Celeste Castillo Lee Endowed Lectureship.

Moderators: Anne Dawson, Martha Pavlakis

- 4:30 p.m. **Incorporating Mental Health Practices by Increasing Psychosocial Education for Kidney Recipients: The Celeste Castillo Lee Endowed Lectureship** – Patrick Gee
- 4:50 p.m. **Impact of Having Access to Behavioral Health for Kidney Recipients** – Nichole Jefferson
- 5:10 p.m. **Behavioral Challenges That May Arise and Adherence Before and After Kidney Transplantation** – Jennifer Jones
- 5:30 p.m. **Goal-Directed Behavioral Health Tools and Lack of Access to Behavioral Health** – Jennifer Steel

Advancing Clinical Trials for People with Kidney Diseases: An Overview.....WF2 Tangerine

Moderators: Lynee Galley, Amanda Grandinetti

- 4:30 p.m. **Primer on Conducting Clinical Trials** – Aliza Thompson
- 4:50 p.m. **Patient Advisory Boards That Guide Design, Outreach, and Engagement for Your Clinical Trials** – Glenda Roberts
- 5:10 p.m. **Developing Studies to Engage Diverse Communities Where They Are** – Opeyemi Olabisi
- 5:30 p.m. **Conducting Clinical Trials for Innovative Therapeutics** – Barbara Gillespie

Building Capacity to Collect Patient Preferences Information for Innovative Kidney DevicesW315

Note: Continuing education credits are not being offered for this activity.

Oral Abstract Sessions

Advances in Mineral Metabolism and Nephrolithiasis.....W314

Moderators: Rosa Moyses, Anna Zisman

- 4:30 p.m. [FR-OR01](#) **The Effect of a Fermentable Dietary Fiber Inulin on a Rat Model of CKD-MBD** – Neal Chen
- 4:39 p.m. [FR-OR02](#) **Estrogen Protects Female Mice With CKD From Developing FGF23-Induced Left Ventricular Hypertrophy** – Dominik Kentrup
- 4:48 p.m. [FR-OR03](#) **Vitamin D Receptor Regulates Furin-Mediated FGF23 Cleavage** – Petra Simic
- 4:57 p.m. [FR-OR04](#) **Skeletal Muscle Is a Novel Source of FGF23 in Mouse Models of CKD and Skeletal Muscle Atrophy** – Kylie Heitman
- 5:06 p.m. [FR-OR05](#) **Parathyroidectomy Decreases Muscle Expression of TGF- β 1 and Improves Muscle Function** – Eduardo Duque
- 5:15 p.m. [FR-OR06](#) **Early Changes in Bone Turnover Markers Predict Bone Loss After Kidney Transplantation** – Hanne Joergensen
- 5:24 p.m. [FR-OR07](#) **Hepatocyte Nuclear Factor 4 Alpha 2 Is a Novel Osteoblast Transcription Factor That Plays a Role in CKD-MBD** – Marta Martinez-Calle
- 5:33 p.m. [FR-OR08](#) **Encalceret Normalized Mineral Homeostasis in Autosomal Dominant Hypocalcemia Type 1 (ADH1) in a Phase 2 Study** – Kelly Roszko
- 5:42 p.m. [FR-OR09](#) **A Spatially Anchored Transcriptomic Atlas of the Human Kidney Papilla Identifies Significant Immune Injury and Matrix Remodeling in Stone Disease Patients** – Angela Sabo
- 5:51 p.m. [FR-OR10](#) **Crystalluria Impairs Macrophage Function During Kidney Stone Formation** – Tanecia Mitchell

AKI Research: Mechanisms.....W230

Moderators: Zheng Dong, Leah Siskind

- 4:30 p.m. [FR-OR11](#) **Intracellular Magnesium Trafficking: A Novel Target to Prevent Ischemic Kidney Injury** – William Reeves
- 4:39 p.m. [FR-OR12](#) **Proximal Tubule Pannexin 1 Channel Regulates Cell Death and Inflammation During AKI** – Nabin Poudel
- 4:48 p.m. [FR-OR13](#) **Proteomic Analysis Reveals Proteins Associated Exclusively With Urinary Muddy Brown Granular Casts** – Michael Janech
- 4:57 p.m. [FR-OR14](#) **Ketone Body Metabolism in Renal Endothelium Triggers PPAR Signaling, Reduces Immune Cell Recruitment, and Preserves Kidney Function Upon Ischemia/Reperfusion Injury** – Mila Borri
- 5:06 p.m. [FR-OR15](#) **Kidney Injury Molecule-1 (KIM-1) Shapes the Kidney Immune Microenvironment via Lymphotoxin Beta Receptor (LT β R) Signaling** – Naoka Murakami
- 5:15 p.m. [FR-OR16](#) **Kidney Resident Macrophages Alter MHC II Expression and Location in Response to Acute and Chronic Injury** – Elise Erman
- 5:24 p.m. [FR-OR17](#) **Tubular Epithelium-Specific Deletion of Megalin Aggravates Ischemia/Reperfusion Kidney Injury and Accelerates the Progression to CKD** – Qingtian Li
- 5:33 p.m. [FR-OR18](#) **The Role of the Circadian Clock System in the Transition From AKI to CKD** – Yina Fang
- 5:42 p.m. [FR-OR19](#) **TIGIT Modulates Kidney T Cell Memory Phenotype and Metabolic Profile and Mediates Both Ischemic and Nephrotoxic AKI in Mice** – Sanjeev Noel
- 5:51 p.m. [FR-OR20](#) **Proximal Tubular Epithelial Cell States in KPMP Protocol Kidney Biopsies Are Linked to Short-Term AKI Patient Outcomes** – Jennifer Schaub

CKD: Clinical Outcomes, Trials, Mechanistic InsightsW307

Moderators: Teresa Chen, James Wetmore

- 4:30 p.m. [FR-OR21](#) **Air Pollution, Genetic Factors, and the Risk of Incident CKD: A Prospective Study of Polygenic Risk Score Analysis in the UK Biobank** – Boram Weon
- 4:39 p.m. [FR-OR22](#) **Time-Dependent Risk Differences in Kidney Failure and Death Between Black and White Veterans Following Incident CKD** – Guofen Yan
- 4:48 p.m. [FR-OR23](#) **Protein Carbamylation and the Risk of CKD Progression** – Sahir Kalim
- 4:57 p.m. [FR-OR24](#) **Changes in CKD Prevalence in the United States Using the Age-Adapted CKD Classification System** – Maria Clarissa Tio
- 5:06 p.m. [FR-OR25](#) **Dipstick Urinalysis Protein and Specific Gravity Can Identify Patients With Early CKD Who Lack a Quantified Proteinuria Measurement** – Meredith McAdams
- 5:15 p.m. [FR-OR26](#) **Dapagliflozin Effect on Hospital Admissions in Patients With CKD: A Post Hoc Analysis of the DAPA-CKD Trial** – Meir Schechter
- 5:24 p.m. [FR-OR27](#) **Notch Blockade Specifically in FSP-1-Positive Cells Ameliorates Renal Fibrosis by Attenuating Inflammation** – Jizhong Cheng
- 5:33 p.m. [FR-OR28](#) **Cyclin G1 Promotes Proximal Tubule Cell Maladaptive Dedifferentiation and Fibrosis in CKD** – Bertha Elias
- 5:42 p.m. [FR-OR29](#) **PRDM16 Protected Tubular Mitochondrial Function and Attenuated Renal Fibrosis by Upregulating PGC-1 α** – Qian Yuan
- 5:51 p.m. [FR-OR30](#) **Unbiased Human and Mouse Kidney Metabolomics Identifies the Key Role of NAD Metabolism in Kidney Disease Development** – Tomohito Doke

Diabetic Kidney Disease: From Single Cell to Outcomes.....W240

Moderators: John He, Karin Jandeleit-Dahm

- 4:30 p.m. [FR-OR31](#) **The Single-Cell Landscape of Kidney Immune Cells Reveals Transcriptional Heterogeneity in Late Diabetic Kidney Disease** – Jia Fu
- 4:39 p.m. [FR-OR32](#) **Human Kidney Multimodal Single Cell and Spatial Transcriptomics Atlas Identify Key Cell Types and Pathways for Diabetic Kidney Disease** – Amin Abedini
- 4:48 p.m. [FR-OR33](#) **Multi-Omic Analysis Identifies a New Class of Proximal Tubular Cell With Metabolic Alterations in Diabetic Kidney Disease** – Hiroshi Maekawa
- 4:57 p.m. [FR-OR34](#) **Combination of Transcriptional Signatures and 3D Images of Epithelial Nuclei in Kidney Biopsies Using a Deep-Learning Outlier Detection Model Uncovers Signatures of Injury in Diabetic Kidney Disease** – Seth Winfree
- 5:06 p.m. [FR-OR35](#) **Identification of Early Diabetes-Induced Renal Changes Using Spatial Metabolomics** – Rosalie Rietjens
- 5:15 p.m. [FR-OR36](#) **Multi-Omics Integration Links Angiotensin-Tie Signaling Pathway Activation With Diabetic Kidney Disease Progression** – Viji Nair
- 5:24 p.m. [FR-OR37](#) **A Prospective Study of Urinary Complement Proteins in Early Diabetic Kidney Disease in Type 1 Diabetes** – Zaipul I Md Dom
- 5:33 p.m. [FR-OR38](#) **Endogenous Retroviruses Contribute to Kidney Fibrosis Development by Triggering the Innate Immune Response** – Poonam Dhillon
- 5:42 p.m. [FR-OR39](#) **A Phase 2b Randomized Controlled Trial of Selonsertib in Moderate to Severe Diabetic Kidney Disease (MOSAIC)** – Vlado Perkovic
- 5:51 p.m. [FR-OR40](#) **Safety and Preliminary Efficacy Results of a Novel Mesenchymal Stromal Cell Therapy in Diabetic Kidney Disease: The Multicenter, Randomized, Placebo-Controlled, Phase-1b/2a NEPHSTROM Clinical Trial** – Matthew Griffin

Fluid, Electrolyte, and Acid-Base Disorders Research.....W308

Moderators: Robert Fenton, Evan Ray

- 4:30 p.m. [FR-OR41](#) **The Impact of Microgravity on Kidney Function During Spaceflight** – Keith Siew
- 4:39 p.m. [FR-OR42](#) **Dietary Anion Controls Potassium Excretion: It's More Than a Poorly Absorbable Anion Effect** – Lama Al-Qusairi
- 4:48 p.m. [FR-OR43](#) **Wearable Device for Continuous, Non-Invasive Monitoring of Serum Potassium in Hemodialysis Patients** – Forrest Miller
- 4:57 p.m. [FR-OR44](#) **KCC3a, a Pathway for Potassium Loss in Alkalemia** – Mohammed Ferdaus
- 5:06 p.m. [FR-OR45](#) **Complications and Treatment of Hypercalciuria in Familial Hyperkalaemic Hypertension (FHHt)** – Viola D'Ambrosio
- 5:15 p.m. [FR-OR46](#) **Insulin Receptor Substrate 4 (IRS4) Contributes to Hypomagnesemia by Mediating the Insulin Effect on the Renal Magnesium Channel TRPM6** – Matthias Wolf
- 5:24 p.m. [FR-OR47](#) **Salt-Sensitive Blood Pressure Response in CKD Is Not Volume Mediated** – Jetta Oppelaar
- 5:33 p.m. [FR-OR48](#) **In Vivo and In Vitro Effects of Hypoxia on NKCC2: Role of MAGE-D2** – Kamel Laghmani
- 5:42 p.m. [FR-OR49](#) **One Size Does Not Fit All: Real World Data on the Safety of Bolus Hypertonic Saline for Symptomatic Hyponatremia** – Anissa Pelouto
- 5:51 p.m. [FR-OR50](#) **Thiazides Induce Glucose Intolerance Through Inhibition of Mitochondrial Carbonic Anhydrase 5b in β -Cells** – Patrycja Kucharczyk

Glomerular Diseases: From Bench to Bedside.....W414

Moderators: Samir Parikh, Bethany Roehm

- 4:30 p.m. [FR-OR51](#) **The Predictive and Prognostic Value of Antigen-Specific Memory B Cell Levels in PLA2R-Associated Primary Membranous Nephropathy** – Quansheng Zhu
- 4:39 p.m. [FR-OR52](#) **APOL1 Promotes Endothelial Cell Activation Beyond the Glomerulus** – Miguel Carracedo
- 4:48 p.m. [FR-OR53](#) **Identification of Glomerular and Plasma APOM as Novel Biomarkers in Glomerular Disease** – Yelena Drexler
- 4:57 p.m. [FR-OR54](#) **Urinary CD4+ T Cell Quantification Identifies ANCA Patients at Risk for Subsequent Renal Flares: Results of the Prospective, Multicenter Pre-Flared Study** – Luka Prskalo
- 5:06 p.m. [FR-OR55](#) **Explainability of a Deep Learning Based Classification Model for ANCA-Associated Glomerulonephritis** – Maria Wester Trejo
- 5:15 p.m. [FR-OR56](#) **Sparsentan Improves Glomerular Endothelial and Podocyte Functions and Augments Protective Tissue Repair in a Mouse Model of Focal Segmental Glomerulosclerosis (FSGS)** – Georgina Gyarmati
- 5:24 p.m. [FR-OR57](#) **Long-Term Efficacy and Safety of Sparsentan in FSGS: 240-Week Analysis of the DUET Open-Label Extension (OLE)** – Tarak Srivastava
- 5:33 p.m. [FR-OR58](#) **Efficacy and Safety of Voclosporin Over 3 Years in Patients With Severe Lupus Nephritis** – Hanni Menn-Josephy
- 5:42 p.m. [FR-OR59](#) **Effect of Iptacopan on Proteinuria and Complement Biomarkers Over Time in IgA Nephropathy** – Brad Rovin
- 5:51 p.m. [FR-OR60](#) **A Multi-Omics Approach to IgA Nephropathy Characterization in the NURTuRE Cohort Enables Precision-Based Treatment Approaches** – N. Olson

Poster Sessions

Friday, November 4 | West Exhibit Hall D

Poster Topics	Board #s
NIH/NIDDK and Informational Posters	INFO01-40
COVID-19: AKI Outcomes, Biomarkers, Treatments, Case Reports	001-059
AKI: Epidemiology, Risk Factors, Prevention	060-115
AKI: Mechanisms - II	116-175
Onconeurology: Clinical and Research Advances - I	176-215
Pharmacology	216-241
Genetic Diseases of the Kidneys: Cystic - II	242-301
Genetic Diseases: Models, Mechanisms, Treatments	302-348
Genetics, Development, Regeneration	349-407
Pediatric Nephrology - I	408-450
Peritoneal Dialysis: Current Topics	451-506
Home Dialysis, Policy, Novel Approaches	507-541
Fluid, Electrolyte, and Acid-Base Disorders: Clinical	542-574
Glomerular Diseases: Lupus and Vasculitis	575-633
Glomerular Diseases: Clinical, Outcomes, Trials - II	634-683
Glomerular Diseases: Podocyte Biology - I	684-734
Hypertension and CVD: Clinical, Outcomes, Trials	735-761
Transplantation: Clinical - Biomarkers	762-805
Transplantation: Clinical - Outcomes	806-858
Diversity and Equity in Kidney Health - II	859-898
CKD: Epidemiology, Risk Factors, Prevention - II	899-949
CKD: Pathobiology - I	950-1009

Abstract details are available in the Kidney Week app
and at www.asn-online.org/kidneyweek.



Wi-Fi Service

Free internet access is available
in the convention center
throughout the meeting.

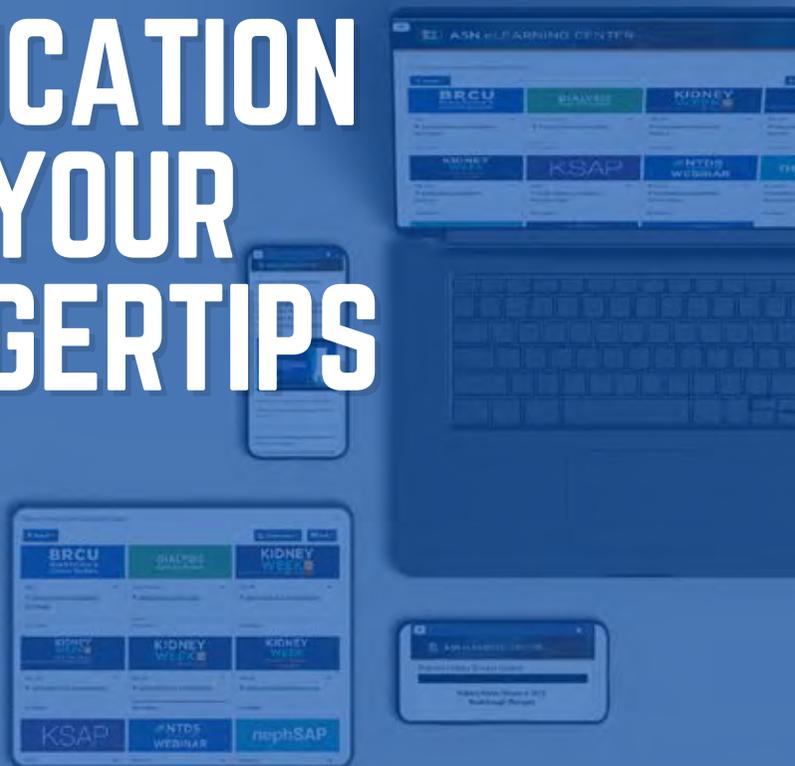
Network

kidneyweek

No password needed



EDUCATION AT YOUR FINGERTIPS

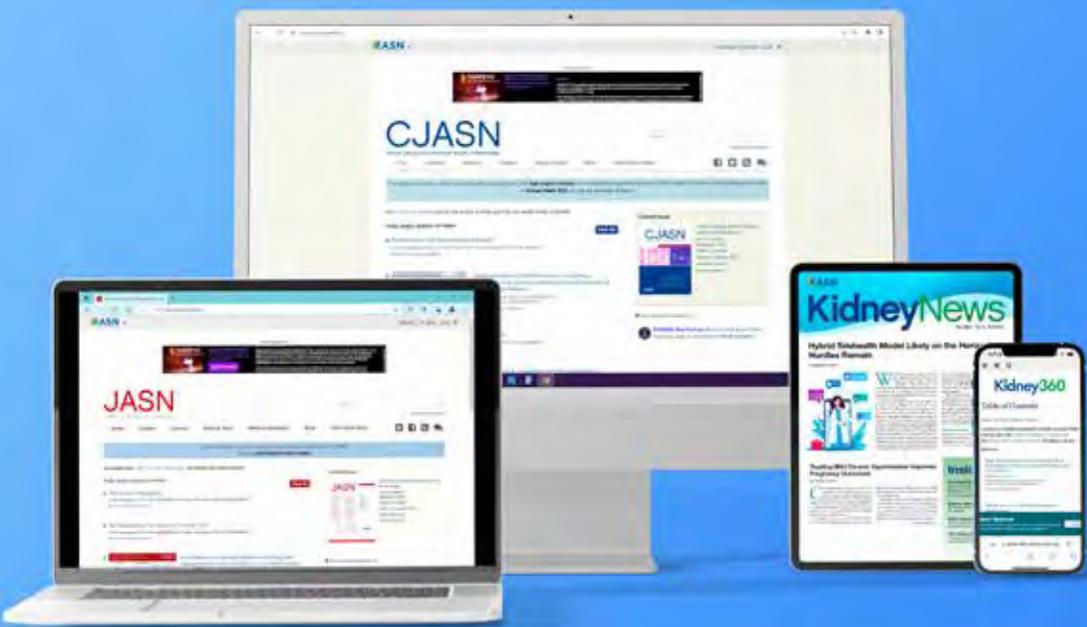


ASN has simplified your educational experience. Access thousands of expert presentations, test your knowledge with self-assessment programs, and earn CE credits/MOC points, all from the ASN eLearning Center.

For more information on this streamlined professional resource, visit asn-online.org/elearning or scan the QR code. Questions? Email education@asn-online.org.



The latest in nephrology science and news.



Learn more at www.asnjournals.org or scan
the QR code using your phone camera.



DAY-AT-A-GLANCE

Saturday, November 5

8:00 a.m. – 9:30 a.m.

Plenary: KidneyCure Announcement, Robert G. Narins Award, Belding H. Scribner Award, Homer W. Smith Award and Address, State-of-the-Art Lecture.....W415 Valencia

9:30 a.m. – 2:30 p.m.

Morning Break (9:30 a.m. – 10:00 a.m.)..... West Exhibit Hall D
 Scientific Exposition and Posters (9:30 a.m. – 2:30 p.m.)..... West Exhibit Hall D
 Poster Presentations by Authors (10:00 a.m. – 12:00 p.m.) West Exhibit Hall D

10:30 a.m. – 12:30 p.m.

Basic/Clinical Science Sessions

Nanodelivery in Organ Transplantation: Myth or Reality?..... WF3 Tangerine
 Pediatric Dialysis: Innovations, (Quality) Improvements, and Insights..... W240
 Role of Basolateral Potassium Channel in Potassium Homeostasis and Diseases..... W230

Clinical Practice Sessions

Advancing Home Dialysis with Technologies and Education WF2 Tangerine
 Kidney and Fluid: A Love-Hate Relationship W311
 Renal Biopsy: Clinical Correlations 2022..... W304
 Value-Based Payment Models Generating New Approaches to Kidney Disease Care..... WF1 Tangerine

Translational Sessions

Calciprotein Particles and Calcification Propensity in CKD-MBD W414
 Imaging the Diabetic Kidney W224
 The Yellow Brick Road? Rethinking Clinical Development Strategies in AKI W320 Chapin

Other Events

Establishing Policy for Supportive Care in Kidney Health..... W315
 Innovate Kidney: KidneyX Innovators Showcase..... West Exhibit Hall D

12:45 p.m. – 1:45 p.m.

Educational Symposia (Hyatt Regency Orlando) – Doors open at 12:30 p.m.

Emerging Therapies for ANCA-Associated Vasculitis..... Regency Ballroom R
 Hyperkalemia: Understanding and Applying Innovative Approaches to
 the Management of CKD and ESKD..... Regency Ballroom S
 Recognizing and Managing the Itch of CKD-Associated Pruritus:
 Scratching the Surface Regency Ballroom T

2:00 p.m. – 4:00 p.m.

Basic/Clinical Science Sessions

Genetics and Clinical Implications of APOL1 Nephropathy WF1 Tangerine
 Immunity: Friend and Foe in People on Dialysis W415 Valencia
 Kidney and Genitourinary Development:
 Clinical Considerations for Pediatric Nephrologists W240
 Magnesium: The Forgotten Mineral..... W414
 Spatial Analysis of the Kidneys W315
 What's the Time in the Tubule?..... W230

2:00 p.m. – 4:00 p.m.

Clinical Practice Sessions

Antigens Underlying Glomerular Diseases: Diagnostic, Pathogenic, and Clinical Implications..... W314
Nephrology Quiz and Questionnaire 2022..... W304
Optimizing the Delivery, Safety, and Outcomes of Kidney Replacement Therapy in
 People with AKI..... W307
Perspectives on Personalized Nutrition Care in Kidney Diseases and
 Implementation Challenges..... WF2 Tangerine
Reaching the Edge: Kidneys in Advanced Heart Failure..... W311
Recurrent Glomerulonephritis After Kidney Transplantation:
 Diagnostic and Therapeutic Approaches WF3 Tangerine
Should Disease Names Change to Reflect Genotype, Pathology, or Phenotype, and
 What Do Patients Think? W320 Chapin

Translational Sessions

Kidney Biopsies and Diabetic Kidney Disease..... W224
Thrifty Genes, Nephron Endowment, and Loss: AKI Lessons from Development,
 Pediatrics, and Aging, Including the Barry M. Brenner, MD, Endowed Lectureship..... W308

4:00 p.m. – 4:30 p.m.

Afternoon Break..... West Lobby D, West Lobby E/F, W415 Valencia Foyer, and W320 Foyer

4:30 p.m. – 6:00 p.m.

Basic/Clinical Science Sessions

Leveraging Data Science to Improve Kidney Health WF2 Tangerine
Metabolic Pathways and Diabetic Kidney Disease: Joint ASN-ADA Session W224
See the World Through a Different Lens:
 Kidney Genomics Beyond Monogenic Disease WF1 Tangerine

Clinical Practice Sessions

Best of NephJC..... W304
The Many Faces of Drug-Induced Kidney Injury..... WF3 Tangerine

Oral Abstract Sessions

COVID-19 and Kidney Diseases: Mechanisms and Management..... W230
Genetics, Development, and Therapies..... W308
Glomerular Diseases: Mechanisms of Cellular Injury..... W414
High-Impact CKD Potpourri: Something for Everyone W307
Transplantation: Clinical Outcomes and Biomarkers W240

Other Event

Innovate Kidney: Challenges on Clinical Trials for Novel Kidney Drugs and
 Meet-and-Greet with the Kidney Health Initiative Board W315

Topical Chat

First-Year Attendings.....W221A

Download the meeting app or scan the QR code for more details and updates.



Saturday, November 5, 8:00 a.m. – 9:30 a.m.

Plenary: KidneyCure Announcement, Robert G. Narins Award, Belding H. Scribner Award, Homer W. Smith Award and Address,

State-of-the-Art Lecture.....W415 Valencia

- 8:00 a.m. **KidneyCure Announcement**
8:10 a.m. **Robert G. Narins Award** – Mark Perazella
8:20 a.m. **Belding H. Scribner Award** – Phyllis August
8:30 a.m. **Homer W. Smith Award and Address “Urea Transport to Nephrogenic Diabetes Insipidus: Using Physiology to Develop Novel Therapy”** – Jeff Sands
9:00 a.m. **State-of-the-Art Lecture “mRNA as Medicine”** – Melissa Moore

Saturday, November 5, 10:30 a.m. – 12:30 p.m.

Nanodelivery in Organ Transplantation: Myth or Reality?WF3 Tangerine

Moderators: Daniel Heller, Martina McGrath

- 10:30 a.m. **Lymphoid Targeted Immune Therapy in Transplantation** – Reza Abdi
11:00 a.m. **Stabilization of Cell-Cell Junctions: Novel Approach for Combating Ischemia Reperfusion Injury** – Carl Atkinson
11:30 a.m. **Nanoparticle-Based Targeted Drug Delivery to Prevent Ischemia Reperfusion Injury in Kidney Transplantation** – Satish Nadig
12:00 p.m. **Nanoparticle-Based Targeted Cellular Delivery in Transplantation** – Xun-Rong Luo

Pediatric Dialysis: Innovations, (Quality) Improvements, and Insights.....W240

Moderators: Vimal Chadha, Vivian Shih

- 10:30 a.m. **New Innovations in Pediatric Dialysis** – Ayse Akcan Arikan
11:00 a.m. **Dialysis as a CVD Risk Factor in Children: Mechanism and Management** – Donald Weaver
11:30 a.m. **Improvements in Dialysis Care Related to Quality Improvement Initiatives** – Rebecca Ruebner
12:00 p.m. **Children and Adolescents on Dialysis: Psychosocial Concerns and Caregiver Burden** – Aaron Wightman, Taylor House

Role of Basolateral Potassium Channel in Potassium Homeostasis and DiseasesW230

Moderators: Chou-Long Huang, Janet Klein

- 10:30 a.m. **Physiological and Pathophysiological Roles of Kir5.1 (KCNJ16) in the Kidneys** – Alexander Staruschenko
11:00 a.m. **Kir4.1/Kir5.1 in the Distal Convoluted Tubule Regulates Potassium Homeostasis** – WenHui Wang
11:30 a.m. **WNKs are Potassium-Sensitive Kinases** – Aylin Rodan
12:00 p.m. **Next-Generation Inward Rectifier Potassium Channel Modulators: Discovery and Molecular Pharmacology** – Jerod Denton

Saturday, November 5, 10:30 a.m. – 12:30 p.m.

Advancing Home Dialysis with Technologies and EducationWF2 Tangerine

Moderators: Lisa Koester, Eric Weinhandl

- 10:30 a.m. **Kidney Disease Education** – Jane Davis
- 11:00 a.m. **Can Transitional Dialysis Units Succeed?** – Prayus Tailor
- 11:30 a.m. **Advancing Technologies in Home Dialysis** – Brent Miller
- 12:00 p.m. **Transitioning of Modalities from Peritoneal Dialysis to Home Hemodialysis** – Michael Kraus

Kidney and Fluid: A Love-Hate RelationshipW311

Moderators: Gabriel Contreras, Vandana Niyyar

- 10:30 a.m. **Fluid Management in Critically Ill Patients: To Fill or Not to Fill** – Amir Kazory
- 11:00 a.m. **Assessment of Volume Status in Patients with ESKD: How Dry Is Dry?** – Rajiv Agarwal
- 11:30 a.m. **Congestive Nephropathy in Heart Failure: Underrecognized and Underappreciated** – Eddie Greene
- 12:00 p.m. **VExUS: Venous Excess Doppler Ultrasound for the Quantification and Monitoring of Venous Congestion** – Abhilash Koratala

Renal Biopsy: Clinical Correlations 2022W304

ASN thanks the Renal Pathology Society for assistance with this session.

Moderators: Jean Hou, Kelly Smith

Clinical Discussant: Sean Barbour

- 10:30 a.m. **Renal Pathology Case Study 1** – Vivek Charu
- 11:00 a.m. **Renal Pathology Case Study 2** – Nicole Andeen
- 11:30 a.m. **Renal Pathology Case Study 3** – Renate Kain
- 12:00 p.m. **Renal Pathology Case Study 4** – Benjamin Adam

Value-Based Payment Models Generating New Approaches to

Kidney Disease CareWF1 Tangerine

Moderators: Brendan Bowman, Eugene Lin

- 10:30 a.m. **Push the Right Buttons for Better Kidney Disease Care: Value-Based Models** – Daniel Weiner
- 11:00 a.m. **Going It Alone: The Kidney Care First Option** – Gaurav Jain
- 11:30 a.m. **Together We Can Make It Happen: The Comprehensive Kidney Care Contracting Option** – Dylan Steer
- 12:00 p.m. **Let Us Bring Our Team to You: Wrap-Around Kidney Care Companies** – Shaminder Gupta

Calciprotein Particles and Calcification Propensity in CKD-MBD.....W414

Moderators: Cecilia Giachelli, Anna Jovanovich

- 10:30 a.m. **Overview of Calciprotein Composition, Isolation, and Quantification Techniques** – Edward Smith
- 11:00 a.m. **Mechanisms of Calciprotein Formation and Processing** – Willi Jahnen-Dechent
- 11:30 a.m. **Calciprotein Particles as Drivers of Inflammation and Cellular Damage** – Elisabeth Jaeger
- 12:00 p.m. **Utility of Calcification Propensity Assays for Predicting Vascular Calcification** – Wei Chen

Saturday, November 5, 10:30 a.m. – 12:30 p.m.

Imaging the Diabetic KidneyW224

Moderators: Kumar Sharma, Anand Srivastava

10:30 a.m. **Imaging Oxygenation** – Petter Bjornstad

11:00 a.m. **Imaging Fat Content in the Kidney Parenchyma and More with Multiparametric Kidney MRI** – TBD

11:30 a.m. **Infrared Spectroscopic Imaging** – Michael Walsh

12:00 p.m. **The BEAt-DKD Imaging Experience** – Steven Sourbron

The Yellow Brick Road? Rethinking Clinical Development Strategies in AKIW320 Chapin

Moderators: Javier Neyra, Danielle Soranno

10:30 a.m. **What Makes for an Exciting Preclinical Data Packet for AKI or CKD?** – Katalin Susztak

11:00 a.m. **Rethinking End Points in Early Phase AKI Studies** – Sushrut Waikar

11:30 a.m. **An Adaptive Trial Platform for AKI? Promises and Perils** – Kathleen Liu

12:00 p.m. **Lessons for AKI Research from Pragmatic Trials** – Miguel Vazquez

Establishing Policy for Supportive Care in Kidney HealthW315

Note: Continuing education credits are not being offered for this activity.

Innovate Kidney: KidneyX Innovators Showcase West Exhibit Hall D

Note: Continuing education credits are not being offered for this activity.

Saturday, November 5, 12:45 p.m. – 1:45 p.m.

Educational Symposia (Hyatt Regency Orlando) – Doors open at 12:30 p.m.

Lunch is provided. Limited seating; first-come, first-served to fully paid Annual Meeting participants.

Emerging Therapies for ANCA-Associated VasculitisRegency Ballroom R

Support is provided by an educational grant from ChemoCentryx, Inc.

12:45 p.m. **Introduction** – Ulf Panzer (Moderator)

12:55 p.m. **Pathogenesis and Diagnostic Approaches to ANCA Vasculitis** – Ingeborg Bajema

1:15 p.m. **Updates on the Treatment of ANCA Vasculitis** – Rachel Jones

1:35 p.m. **Questions and Answers**

Hyperkalemia: Understanding and Applying Innovative Approaches to the Management of CKD and ESKDRegency Ballroom S

Support is provided by an educational grant from AstraZeneca Pharmaceuticals.

12:45 p.m. **Introduction: The Physiology of Hyperkalemia** – Kim Zuber (Moderator)

12:55 p.m. **The Impact of Hyperkalemia in the Treatment of CKD** – Mitchell Rosner

1:15 p.m. **Pharmacological and Nonpharmacological Approaches to the Management of Hyperkalemia** – Biff Palmer

1:35 p.m. **Questions and Answers**

Recognizing and Managing the Itch of CKD-Associated Pruritus: Scratching the Surface.....Regency Ballroom T

Support is provided by an educational grant from CSL Vifor.

12:45 p.m. **Introduction** – Denise Link (Moderator)

12:55 p.m. **Pathogenesis and Diagnosis of CKD-Associated Pruritus** – Sara Combs

1:15 p.m. **Optimal Treatment and Management Strategies for CKD-Associated Pruritus** – David Steele

1:35 p.m. **Questions and Answers**

Saturday, November 5, 2:00 p.m. – 4:00 p.m.

Genetics and Clinical Implications of APOL1 Nephropathy.....WF1 Tangerine

Moderators: Opeyemi Olabisi, John Sedor

- 2:00 p.m. **Population Genetics of APOL1 and Its Clinical Spectrum** – Rulan Parekh
- 2:30 p.m. **APOL1 and Potential Implications for Kidney Transplantation** – Barry Freedman
- 3:00 p.m. **Biology of APOL1 Nephropathy** – Martin Pollak
- 3:30 p.m. **Therapeutic Development in APOL1 Nephropathy** – Ogo Egbuna

Immunity: Friend and Foe in People on Dialysis W415 Valencia

Moderators: Simon Davies, Jennifer Flythe

- 2:00 p.m. **Adverse Consequences of Immune Dysregulation in Dialysis Patients** – Talat Alp Ikizler
- 2:30 p.m. **Responses to Vaccines and Viruses in Dialysis Patients** – Rupert Beale
- 3:00 p.m. **Infection Prevention and Control: Lessons from Children** – Kristina Bryant
- 3:30 p.m. **Innate Immunity in Dialysis Patients** – Anne-Catherine Raby

Kidney and Genitourinary Development: Clinical Considerations for Pediatric Nephrologists.....W240

Moderators: Susan Furth, Michelle Starr

- 2:00 p.m. **Making Sense of a Moving Target: Kidney Function and Dysfunction During Periods of Rapid Growth** – Marissa Defreitas
- 2:30 p.m. **Little Kidneys, Big Problems: Prematurity and Small Kidney Size as Risk Factors for CKD** – Jennifer Charlton
- 3:00 p.m. **Running on Empty: Barriers to Urinary Drainage and Associated Clinical Implications** – Brian Becknell
- 3:30 p.m. **Medical Conditions and Interventions That Impact Kidney Development: Pregnancy and Beyond** – Keia Sanderson

Magnesium: The Forgotten MineralW414

Moderators: Diana Jalal, Cesar Romero

- 2:00 p.m. **Role of the Kidneys in Magnesium Homeostasis** – Joost Hoenderop
- 2:30 p.m. **Genetic and Clinical Factors Associated with Magnesium Levels in the Population** – John Lieske
- 3:00 p.m. **Magnesium and the Molecular Mechanisms Driving Vascular Calcification** – Jeroen De Baaij
- 3:30 p.m. **Clinical Evidence for a Role of Magnesium Deficiency in CVD** – Mirela Dobre

Spatial Analysis of the Kidneys.....W315

Moderators: Daria Barwinska, Zoltan Laszik

- 2:00 p.m. **Spatial Transcriptomics of the Kidneys** – Laura Perin
- 2:30 p.m. **Spatial Metabolomics in Human Kidneys** – Kumar Sharma
- 3:00 p.m. **Spatial Analysis of Immune Cells in the Kidneys** – Marcus Clark
- 3:30 p.m. **Imaging Mass Cytometry of the Human Kidneys** – Lloyd Cantley

Saturday, November 5, 2:00 p.m. – 4:00 p.m.

What's the Time in the Tubule?.....W230

Moderators: Nirupama Ramkumar, Tianxin Yang

2:00 p.m. **Circadian Regulation of Kidney Sodium Handling: Systemic Clock** – David Pollock

2:30 p.m. **Circadian Regulation of Kidney Sodium Handling: Tubular Clock** – Lauren Douma

3:00 p.m. **Tubular Clock Regulates Kidney Glucose Handling** – Xiaoyue Pan

3:30 p.m. **Environmental Circadian Disruption and Kidney Function Rhythm and Injury** – Alec Davidson

Antigens Underlying Glomerular Diseases: Diagnostic, Pathogenic, and Clinical Implications.....W314

Support is provided by an educational grant from Travele Therapeutics, Inc.

Moderators: Tiffany Caza, Shikha Wadhvani

2:00 p.m. **New Antigens in Membranous Nephropathy: Unique Clinicopathologic Features** – Sanjeev Sethi

2:30 p.m. **New Antigens in Membranous Nephropathy: Potential Importance in Prognosis and Treatment** – Elion Hoxha

3:00 p.m. **Recent Insights into the Pathogenesis of ANCA Glomerulonephritis and Vasculitis** – Duvuru Geetha

3:30 p.m. **Infectious Antigens and Glomerulonephritis: An Update** – Samih Nasr

Nephrology Quiz and Questionnaire 2022.....W304

Moderators: Melanie Hoenig, Michael Ross

2:00 p.m. **Electrolyte and Acid-Base Disturbances** – Roger Rodby

2:30 p.m. **Glomerular Diseases** – Pietro Canetta

3:00 p.m. **Transplantation** – Beatrice Concepcion

3:30 p.m. **Renal Replacement Therapy** – Nisha Bansal

Optimizing the Delivery, Safety, and Outcomes of Kidney Replacement Therapy in People with AKI.....W307

Moderators: Rasheed Balogun, Luis Juncos

2:00 p.m. **Evidence and Gaps Underpinning Current RRT Practice in the Intensive Care Unit** – Ashita Tolwani

2:30 p.m. **"First, Do No Harm": Iatrogenic Complications of Acute Kidney Replacement Therapy** – Anitha Vijayan

3:00 p.m. **Using Data to Drive Improvement in the Clinical Outcomes of Kidney Replacement Therapy in AKI** – Javier Neyra

3:30 p.m. **Leading the Charge: Organizational Considerations in AKI Survivor Care** – Stuart Goldstein

Saturday, November 5, 2:00 p.m. – 4:00 p.m.

Perspectives on Personalized Nutrition Care in Kidney Diseases and Implementation Challenges.....WF2 Tangerine

Moderators: Casey Rebholz, Jaime Uribarri

- 2:00 p.m. **Plant-Based Diets to Control CKD Progression in Adults and Children** – Connie Rhee
- 2:30 p.m. **Personalized Nutrition Care: What Is It and How Can It Be Implemented?** – Carla Avesani
- 3:00 p.m. **Assessing Global Kidney Nutrition Care: A Collaborative Initiative from the International Society of Renal Nutrition and Metabolism and International Society of Nephrology Global Kidney Health Atlas** – Angela Yee Moon Wang
- 3:30 p.m. **Living with a Kidney Diet: A Patient’s Perspective** – Dawn Edwards

Reaching the Edge: Kidneys in Advanced Heart Failure.....W311

Moderators: Kianoush Kashani, Amir Kazory

- 2:00 p.m. **The Art of Volume Management in Heart Failure: From Assessment to Therapy** – W.H. Wilson Tang
- 2:30 p.m. **Focus on POCUS: Can Point-of-Care Ultrasound Change Our Approach in Cardiorenal Syndrome?** – Abhilash Koratala
- 3:00 p.m. **Love-Hate Relationship Between Kidney and Mechanical Circulatory Support Devices** – Jeffrey Turner
- 3:30 p.m. **Inferior Vena Cava Ultrasound: Pearls and Pitfalls** – Elaine Kaptein

Recurrent Glomerulonephritis After Kidney Transplantation: Diagnostic and Therapeutic Approaches.....WF3 Tangerine

Support is provided by an educational grant from Travers Therapeutics, Inc.

Moderators: Nicolae Leca, Deirdre Sawinski

- 2:00 p.m. **Recurrence of FSGS After Kidney Transplantation** – Leonardo Riella
- 2:30 p.m. **Recurrent Primary FSGS: Insights into the Pathogenesis of FSGS** – Lorenzo Gallon
- 3:00 p.m. **APOL1 in Kidney Transplantation** – Mona Doshi
- 3:30 p.m. **Recurrent Membranous Nephropathy: Diagnostic and Therapeutic Approach** – Fernando Fervenza

Should Disease Names Change to Reflect Genotype, Pathology, or Phenotype, and What Do Patients Think?W320 Chapin

Support is provided by an educational grant from Travers Therapeutics, Inc.

Moderators: Rasheed Gbadegesin, Catherine Quinlan

- 2:00 p.m. **Defining the Molecular Basis of Glomerular Disease** – Matthias Kretzler
- 2:30 p.m. **Change the Name: Genetics-Focused Naming** – Alicia Byrne
- 3:00 p.m. **Retain the Name: Pathology-Focused Naming** – Astrid Weins
- 3:30 p.m. **Patient Perspective: Implications of Naming for Alport Syndrome** – Susie Gear

Kidney Biopsies and Diabetic Kidney Disease.....W224

Moderators: Eoin Brennan, Parker Wilson

- 2:00 p.m. **Historical Learnings on Kidney Pathology in Diabetes** – Paola Fioretto
- 2:30 p.m. **Biopsy Findings in the Pima Population** – Behzad Najafian
- 3:00 p.m. **Kidney Biopsies and Molecular Assessment of Kidney Disease** – Andrew Malone
- 3:30 p.m. **Digital Pathology for Diabetic Kidney Disease** – Vijaya Kolachalama

Saturday, November 5, 2:00 p.m. – 4:00 p.m.

Thrifty Genes, Nephron Endowment, and Loss: AKI Lessons from Development, Pediatrics, and Aging, Including the Barry M. Brenner, MD, Endowed Lectureship.....W308
ASN gratefully acknowledges Monarch Pharmaceuticals for support of the Barry M. Brenner, MD, Endowed Lectureship.

Moderators: Amanda Clark, Prasad Devarajan

- 2:00 p.m. **Developmentally Programming a Healthy Kidney: The Barry M. Brenner, MD, Endowed Lectureship** – Andrew McMahon
- 2:30 p.m. **Applying Organoids to Interrogate AKI Mechanisms** – Kyle McCracken
- 3:00 p.m. **How Children and Adults Differ in Terms of AKI Susceptibility and Outcomes** – Shina Menon
- 3:30 p.m. **Influence of Aging Mechanisms on AKI Risk** – Karl Nath

Saturday, November 5, 4:30 p.m. – 6:00 p.m.

Leveraging Data Science to Improve Kidney HealthWF2 Tangerine
ASN thanks the ASN AKINow Workgroup for assistance with this session.

Moderators: Sherry Mansour, Motoko Yanagita

- 4:30 p.m. **What Is the Full Potential of Electronic Medical Record Data in Relation to AKI?** – Girish Nadkarni
- 4:50 p.m. **Let's Talk Sequencing: What We Know and What the Future Holds** – Parker Wilson
- 5:10 p.m. **Multi-Omics and Multi-Advancements in Kidney Health** – Morgan Grams
- 5:30 p.m. **Learning About Machine Learning: How Effective Is It in Relation to AKI?** – Ashish Verma

Metabolic Pathways and Diabetic Kidney Disease: Joint ASN-ADA SessionW224
ASN thanks the American Diabetes Association for assistance with this session.

Moderators: Josephine Forbes, Padmanabhan Subramanian

- 4:30 p.m. **Dietary Factors** – Matthew Snelson
- 4:50 p.m. **Autophagy** – Reiko Inagi
- 5:10 p.m. **Sphingolipids** – Sandra Merscher
- 5:30 p.m. **Mitochondria** – Krisztian Stadler

See the World Through a Different Lens: Kidney Genomics Beyond Monogenic DiseaseWF1 Tangerine

Moderators: Rafael Kramann, Matt Sampson

- 4:30 p.m. **AKI Genotype, Susceptibility, and the Potential for Personalized Medicine** – Emily See
- 4:55 p.m. **X-Linked Kidney Diseases in XX Patients** – Michelle Rheault
- 5:20 p.m. **Barriers and Facilitators to the Implementation of Discovery Genomics in Routine Health Care** – Daniel Gale

Best of NephJCW304
ASN thanks NephJC for assistance with this session.

Moderators: Swapnil Hiremath, Caitlyn Vlasschaert

- 4:30 p.m. **Best of Hypertension Literature** – Jade Teakell
- 4:50 p.m. **Best of Dialysis Literature** – Graham Abra
- 5:10 p.m. **Best of AKI Literature** – Francis Wilson
- 5:30 p.m. **Best of Basic Science Literature for the Clinician** – Kelly Hyndman

Saturday, November 5, 4:30 p.m. – 6:00 p.m.

The Many Faces of Drug-Induced Kidney InjuryWF3 Tangerine

Moderators: Melanie Joy, Namrata Krishnan

- 4:30 p.m. **Acute Tubular Injury Associated with Medications: A Focus on Mitochondrial Toxicity** – Mohamed Atta
- 4:50 p.m. **Crystalline-Induced AKI from Medications: It's More Than Tubular Obstruction** – Felix Knauf
- 5:10 p.m. **Vancomycin-Associated AKI, Three of a Kind: Acute Tubular Injury, Acute Interstitial Nephritis, and Cast Nephropathy** – Erin Barreto
- 5:30 p.m. **Drug-Induced Acute Interstitial Nephritis: The Great Masquerader** – Maria Prendecki

Innovate Kidney: Challenges on Clinical Trials for Novel Kidney Drugs and Meet-and-Greet the Kidney Health Initiative BoardW315

Note: Continuing education credits are not being offered for this activity.

Oral Abstract Sessions

COVID-19 and Kidney Diseases: Mechanisms and ManagementW230

Moderators: Meghan Sise, Jacob Stevens

- 4:30 p.m. **SA-OR01 Long-Term Renal Outcomes of COVID-19-Associated Nephropathy (COVAN)** – Gabriel Giannini
- 4:39 p.m. **SA-OR02 Renal Pathology of Fatal Cases of COVID-19: A Study of 94 Autopsies** – Arian Pourmehdi Lahiji
- 4:48 p.m. **SA-OR03 Incidence and Clinical Course of Gross Hematuria Following COVID-19 Vaccination Among Patients With IgA Nephropathy** – Hitomi Kimura
- 4:57 p.m. **SA-OR04 Urinary Transcriptomics Identified Inflammatory Signals Associated With COVID-19-Related AKI** – Sean Eddy
- 5:06 p.m. **SA-OR05 Single Nucleus RNA-Sequencing in Diagnostic Biopsy Cores of COVID-AKI Patients Reveals Robust Modelling, Injury, and Profibrotic Markers** – Reetika Ghag
- 5:15 p.m. **SA-OR06 Kidney Disease and COVID-19 Outcomes in the Temporal Analysis of Pandemic Waves** – Ning Shang
- 5:24 p.m. **SA-OR07 COVID-19 Pandemic Effect on Mortality of Hemodialysis Patients** – Yan Zhang
- 5:33 p.m. **SA-OR08 Vaccine Effectiveness of One, Two, or Three Doses of SARS-CoV-2 mRNA Vaccines in Maintenance Dialysis Patients** – Harold Manley
- 5:42 p.m. **SA-OR09 Clinical Efficacy of the Fourth Dose of the BNT162b2 Vaccine in Chronic Dialysis Patients** – Moshe Shashar
- 5:51 p.m. **SA-OR10 BOOST KIDNEY: A Randomized Controlled Trial of Third Dose BNT162b2 vs. mRNA-1273 COVID-19 Vaccination in CKD and Dialysis Patients** – Kevin Yau

Genetics, Development, and Therapies.....W308

Moderators: Satu Kuure, Kameswaran Surendran

- 4:30 p.m. [SA-OR11](#) **Genome-Wide Association Studies of a Composite Renal Phenotype Reveal Pleiotropic Effects and a Novel Locus** – Moumita Barua
- 4:39 p.m. [SA-OR12](#) **Gene Surgery: A Potential CRISPR/Cas-Based Treatment Option for Nephropathic Cystinosis In Vitro** – Elena Sendino Garvi
- 4:48 p.m. [SA-OR13](#) **Channel Function of Polycystin-2 in Endoplasmic Reticulum Protects Against Polycystic Kidney Disease** – Biswajit Padhy
- 4:57 p.m. [SA-OR14](#) **Downregulation of O-GlcNAc Reduces Ciliary Length and Attenuates Renal Cystic Disease in PKD Mice** – Matthew Kavanaugh
- 5:06 p.m. [SA-OR15](#) **The Methionine-Mettl3-RNA Methylation Axis Is Essential for Nephrogenesis** – Harini Ramalingam
- 5:15 p.m. [SA-OR16](#) **Estrogen Signaling Is an Essential Regulator of Nephron Segmentation** – Hannah Wesselman
- 5:24 p.m. [SA-OR17](#) **Interstitial Notch Signaling Is Required for the Development of Proximal Tubules** – Joo-Seop Park
- 5:33 p.m. [SA-OR18](#) **ASH2L Is Essential for the Ureteric Bud Lineage Development** – Ziyi Zhao
- 5:42 p.m. [SA-OR19](#) **Establishing the Spatiotemporal Organization and Function of Renal Nerves Throughout Nephrogenesis** – Pierre-Emmanuel N'Guetta
- 5:51 p.m. [SA-OR20](#) **Deciphering the Origins of Kidney Lymphatics** – Daniyal Jafree

Glomerular Diseases: Mechanisms of Cellular Injury.....W414

Moderators: Christian Faul, Jyothsna Gattineni

- 4:30 p.m. [SA-OR21](#) **Tenascin-C Promotes Migration and Proliferation of Parietal Epithelial Cells and Participates in the Pathogenesis of FSGS** – Ke Sun
- 4:39 p.m. [SA-OR22](#) **Cell-Specific Role of STAT3 Signaling in Podocytes vs. Parietal Epithelial Cells in Proliferative Glomerulopathy** – Yogesh Gowthaman
- 4:48 p.m. [SA-OR23](#) **Continuous Non-Mutagenic DNA Damage in Podocytes Activates Pathogenic Memory T Cells Through Altered DNA Methylation** – Ran Nakamichi
- 4:57 p.m. [SA-OR24](#) **γ Isoform of Phosphoinositide 3 Kinase Plays a Critical Role in Propagation of Podocyte Injury in a Genetic Podocytopathy** – Xiaoyan Liang
- 5:06 p.m. [SA-OR25](#) **A Possible Role of Anti-Nephrin Autoantibody in Endocytosis of Nephrin in Patients With Post-Transplant Focal Segmental Glomerulosclerosis Recurrence and Minimal Change Disease** – Yoko Shirai
- 5:15 p.m. [SA-OR26](#) **Podocyte-Specific Loss of Klf4 Induces the Formation of Extracellular Matrix Extensions** – Nina Cintron Pregosin
- 5:24 p.m. [SA-OR27](#) **RCAN1 I162T Variant Disrupts Calcineurin Regulation and Reduces Viability in Patient-Derived Podocytes** – Kinsie Huggins
- 5:33 p.m. [SA-OR28](#) **C3a/C3aR1 Signaling as a Crucial Pathogenic Mechanism in Membranous Nephropathy** – Stefano Da Sacco
- 5:42 p.m. [SA-OR29](#) **Targeting the Integrated Stress Response Pathway in T Cells Ameliorates Crescentic Glomerulonephritis in Mice** – Nariaki Asada

Saturday, November 5, 4:30 p.m. – 6:00 p.m.

High-Impact CKD Potpourri: Something for EveryoneW307

Moderators: Nayan Arora, Tanjala Purnell

- 4:30 p.m. [SA-OR31](#) **Linked by Love: Relatability and Cultural Appropriateness of an Edutainment Series About CKD in an African American Family** – LaShara Davis
- 4:39 p.m. [SA-OR32](#) **A Randomized Controlled Pilot Study of a Patient Decision Aid About Conservative Kidney Management** – Susan Wong
- 4:48 p.m. [SA-OR33](#) **Impact of Race/Ethnicity and Age on Hospitalization Outcomes in Advanced CKD Patients Treated With Conservative Management vs. Dialysis** – Connie Rhee
- 4:57 p.m. [SA-OR34](#) **Prevalence of CKD Among Asian Adults in the United States, 2011-2018** – Sophie Claudel
- 5:06 p.m. [SA-OR35](#) **Comparison of Clinical Outcomes Between Twice- vs. Thrice-Weekly Hemodialysis in Thai Elderly Patients: A Single-Center Study** – Prapa Patrapornpisut
- 5:15 p.m. [SA-OR36](#) **Effects of Dapagliflozin on Anemia in Patients With CKD With or Without Type 2 Diabetes: A Pre-Specified Analysis of the DAPA-CKD Trial** – Hidido Heerspink
- 5:24 p.m. [SA-OR37](#) **Time-Dependent Covariate Analysis of Hemoglobin Values on Risk of Major Adverse Cardiovascular Events in the ASCEND Trials** – Gregorio Obrador
- 5:33 p.m. [SA-OR38](#) **Change in Albuminuria and GFR Slope as Joint Surrogate End Points for Kidney Failure: Implications for Phase 2 Trials** – Tom Greene
- 5:42 p.m. [SA-OR39](#) **Effect of a Nutritional Supplement of Probiotics and/or Prebiotics vs. Placebo on Nutritional Status in Automated Peritoneal Dialysis (APD) Patients** – Fabiola Martin del Campo
- 5:51 p.m. [SA-OR40](#) **Obesity Weight Loss Phenotypes in CKD: Data From the Chronic Renal Insufficiency Cohort Study (CRIC)** – Meera Harhay

Transplantation: Clinical Outcomes and Biomarkers.....W240

Moderators: Luz Liriano-Ward, Alexander Wiseman

- 4:30 p.m. [SA-OR41](#) **Utilization of SARS-CoV-2 (COVID-19)-Positive Donor Kidneys** – Warren Mckinney
- 4:39 p.m. [SA-OR42](#) **Viro-Immunological Monitoring as a Predictor for Complicative Events in the First Year After Kidney Transplantation: The VIRENO Study** – Patrick Affeldt
- 4:48 p.m. [SA-OR43](#) **A Randomized Phase 2 Study of MAU868 vs. Placebo to Treat BK Viremia in Kidney Transplant Recipients** – Stanley Jordan
- 4:57 p.m. [SA-OR44](#) **Spatial mRNA Analysis of Human Allograft Endothelium Shows Distinct Structure-Specific Endothelial Transcripts in Chronic Antibody-Mediated Rejection** – Ira Doressa Anne How
- 5:06 p.m. [SA-OR45](#) **Acute Tubular Injury and Necrosis Do Not Lead to Meaningful Elevations in Donor-Derived Cell-Free DNA (dd-cfDNA)** – Sridhar Reddy Allam
- 5:15 p.m. [SA-OR46](#) **Validation of a Urinary Exosome mRNA Signature for the Diagnosis of Human Kidney Transplant Rejection** – Rania El Fekih
- 5:24 p.m. [SA-OR47](#) **Five-Year Follow-Up of a Phase 1 Trial of Donor-Derived Modified Immune Cell Infusion in Kidney Transplantation** – Matthias Schaefer
- 5:33 p.m. [SA-OR48](#) **A Regimen of Nonmyeloablative Conditioning and CD8+/TCR- Facilitating Cells Tips the Balance Towards Immune Downregulation and Away From Cytopathic Activity in Kidney Allograft Recipients** – John Lee
- 5:42 p.m. [SA-OR49](#) **Clinical Performance Validation of Tuteva Biomarker** – Oriol Bestard
- 5:51 p.m. [SA-OR50](#) **Immune Cell Transcriptome in Living-Donor Kidney Transplant Patients Tolerized With Allogeneic Hematopoietic Stem Cell Transplantation Therapy** – Jennifer McDaniels

Poster Sessions

Saturday, November 5 | West Exhibit Hall D

Poster Topics	Board #s
NIH/NIDDK and Informational Posters	INFO01-40
Bioengineering	001-031
AKI: Important, Yet Underappreciated Causes	032-062
AKI: Mechanisms - III	063-112
Onconephrology: Clinical and Research Advances - II	113-160
Vascular Calcification, Nephrolithiasis, Bone	161-219
Diabetic Kidney Disease: Basic - II	220-256
Diabetic Kidney Disease: Clinical - II	257-284
Hemodialysis and Frequent Dialysis: Potpourri	285-344
Hemodialysis and Frequent Dialysis: CV and Risk Prediction	345-404
Hemodialysis and Frequent Dialysis: Clearance, Technology, Infection	405-464
Fluid, Electrolyte, and Acid-Base Disorders: Case Reports	465-521
Genetic Diseases: Diagnosis	522-583
Pediatric Nephrology - II	584-628
Glomerular Diseases: IgA and Complement-Mediated GN	629-677
Glomerular Diseases: Clinical, Outcomes, Trials - III	678-730
Glomerular Diseases: Podocyte Biology - II	731-752
Hypertension and CVD: Mechanisms	753-793
Transplantation: Clinical - Pretransplant Assessment and Living Donors	794-839
Transplantation: Clinical - Case Reports	840-884
CKD: Clinical Trials and Pharmacoepidemiology	885-919
CKD: Observational Research and Patient-Oriented Interventions	920-954
CKD: Pathobiology - II	955-1013

Abstract details are available in the Kidney Week app
and at www.asn-online.org/kidneyweek.

Kidney Week Virtual Platform

All meeting content will be available on the virtual meeting platform for in-person and virtual participants through Wednesday, December 21, 2022.

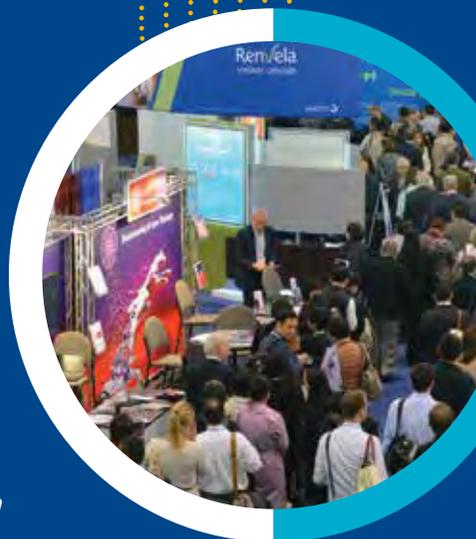
Log in at www.asn-online.org/kwplatform.



*Scan the above
QR code to log in.*

Scientific Exposition

A vital part of the Kidney Week educational experience is found on the scientific exposition floor, West Exhibit Hall D, of the Orange County 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.



ASN is a member of the Healthcare Convention and Exhibitors Association (HCEA).

Exhibit Hall & Posters Hours

Thursday
Nov. 3

9:30 a.m. -
2:30 p.m.

Friday
Nov. 4

9:30 a.m. -
2:30 p.m.

Saturday
Nov. 5

9:30 a.m. -
2:30 p.m.

*The Welcome Reception is supported by
Fresenius Medical Care Renal Pharmaceuticals.*

*Scientific Exposition Refreshment Breaks are supported by
ANI Pharmaceuticals, Inc.*

Attendee Lounges are supported by GSK.

Exhibitor Spotlight Schedule

Join your colleagues for the latest advances in nephrology practices, products, services, and technologies presented in two theaters on the exhibit hall floor (no continuing education credit). Seating is limited and available on a first-come, first-served basis.

All presentations include breakfast or lunch.

Thursday, November 3

10-10:45 a.m.

**Jardiance® (empagliflozin) tablets: EMPEROR
Clinical Trials Data Subgroup Analyses**

Presented by  | 

12:30-1:15 p.m.

Are You Thinking Genetic? The Emerging Role of Genetics in CKD

Presented by 

Friday, November 4

10-10:45 a.m.

**Understanding the Complexity of Patients with CKD:
Implications for Management**

Presented by 

12:30-1:15 p.m.

Developing Precision Medicines for Patients with IgAN

Presented by 

Saturday, November 5

10-10:45 a.m.

**Physician-Patient Discussion: Does Patient Care
Need to Evolve for Anemia of CKD?**

Presented by 
Medical Affairs

12:30-1:15 p.m.

**The Phosphorus Management Puzzle and Need for New Pieces:
The Patient and Physician Perspective**

Presented by  ardelyx

Thursday, November 3

11:30 a.m.-12:15 p.m.

The Cardiorenal Connection: Providing Dual Cardiorenal Risk Reduction for Patients with CKD Associated with T2D

Presented by



1-1:45 p.m.

Perspectives on OmniGraf Use in Clinical Practice

Presented by



Transplant
Diagnostics

Friday, November 4

11:30 a.m.-12:15 p.m.

New Data on an Autosomal Dominant Polycystic Kidney Disease (ADPKD) Treatment Option

Presented by



Otsuka America Pharmaceutical, Inc.

1-1:45 p.m.

The Importance of Achieving a Complete Response in Lupus Nephritis

Presented by



Saturday, November 5

11:30 a.m.-12:15 p.m.

Surveillance Tools and Molecular Innovation for Transplant Patients

Presented by



1-1:45 p.m.

First Steps for Females with *GLA* Variants Detected by Kidney Disease Panels: Actionable Findings

Presented by



These events are not CE (continuing education) activities.

EXCELLENCE IN Patient Care

Excellence in Patient Care (EPC) focuses on ASN's clinical priorities to provide high-quality care for people with kidney diseases. Key contributors include patient advocates, members of the kidney care team, and partners across the kidney community.

KIDNEY WEEK EVENTS

COVID-19	DKD	AKINow
<p>Thursday, 11/3 2:00 – 4:00 p.m.</p> <p>A Look in the Crystal Ball: COVID-19 and the Future of Outpatient Dialysis</p>	<p>Thursday, 11/3 10:30 a.m. – 12:30 p.m.</p> <p>The Patient Journey with Diabetic Kidney Disease</p>	<p>Saturday, 11/5 4:30 – 6:00 p.m.</p> <p>Leveraging Data Science to Improve Kidney Health</p>

EPC PROJECTS AND INITIATIVES

- **Nephrologists Transforming Dialysis Safety (NTDS)** promotes transformational change that continuously improves the safety of dialysis
- **Quality Assessment, Improvement, & Education (QAIE)** creates and distributes infection prevention resources and best practices
- **Current and Emerging Threats (CET)** provides education and resources in the area of current and emerging bacterial, viral, and fungal threats
- **Human Factors Engineering** identifies facilitators and barriers to increased patient and staff safety through the study of human factors – “work as imagined versus work as performed”
- **Transforming Dialysis Access Together (TDAT)** pursues dialysis access justice, equity, diversity, and inclusion in medical training and patient care
- **Diabetic Kidney Disease Collaborative (DKD-C)** works together to address the urgent and unmet needs in the diagnosis and treatment of people with DKD
- **COVID-19 response** develops and disseminates resources to the kidney community during the current pandemic, and preparing for future crises
- **AKINow** promotes excellence in the prevention and treatment of acute kidney injury (AKI)
- **Adult Immunization Project (AIP)** advocates for the adoption of CDC's Standards of Adult Immunization Practices in kidney care
- **Home Dialysis Project (HDP)** fosters awareness of and improved outcomes for home dialysis therapies and addressing disparities in access to home dialysis

Visit www.epc.asn-online.org for more information.

Follow us on Twitter  [AsnEpc](https://twitter.com/AsnEpc)



The ASN Research Discovery and Innovation department integrates three programs to stimulate, accelerate, and support biomedical research and innovations for people with kidney diseases.

- **KidneyCure** encourages and supports the kidney research and education workforce through grants and fellowships to pre-doctoral through early-career researchers.
- **Kidney Health Initiative** promotes the development of innovative treatment options for people with kidney diseases through a partnership between ASN, the US Food and Drug Administration, and over 100 member organizations.
- **KidneyX** is a partnership between ASN and the US Department of Health and Human Services that enables the development of breakthrough treatments in kidney care.

Visit www.asn-online.org to learn more about ASN's work to increase the nephrology workforce pipeline and foster innovation in kidney care.

DAY-AT-A-GLANCE Sunday, November 6

DAY-AT-A-GLANCE: Sunday, November 6

8:00 a.m. – 9:00 a.m.

Plenary: Midcareer Awards, State-of-the-Art Lecture.....W415 Valencia
ASN Business Meeting.....W415 Valencia

9:30 a.m. – 11:30 a.m.

Basic/Clinical Science Sessions

AKI: Old and New Players..... W311
Nephron Progenitor Fate Determination and Maintenance..... W315

Clinical Practice Sessions

Contemporary Management of Diabetic Kidney Disease:
Update on Recent Clinical Trials.....W415 Valencia
Ethical Challenges in Nephrology, Including the Christopher R. Blagg, MD,
Endowed Lectureship in Kidney Diseases and Public Policy..... W304
Glomerular Diseases and Cancer: Cause or Effect?.....W414
Pending Challenges When Addressing Donor Kidney Function:
How Low Is Low Before and After Donation..... W307

Translational Session

Molecular Mechanisms of Hypertension and Cardiovascular Effects W308

Kidney Week *On-Demand*

Never miss a session with *Kidney Week On-Demand 2022*. 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 Vertex Pharmaceuticals Booth 1901. Access codes are available during Exhibit Hall hours to fully Paid Annual Meeting participants only. All recorded Presentations will be available in the ASN eLearning Center in January 2022.

Kidney Week *On-Demand* Voucher

Never miss a session with *Kidney Week On-Demand 2022*. With over 200 hours of recorded Annual Meeting presentations, *Kidney Week On-Demand* is the best way to get the most out of your Annual Meeting experience. To get your complimentary access code, exchange this voucher at the following booth:



Booth 1901

All recorded presentations will be available in January 2023 on the ASN eLearning Center for up to three years.

Access codes are available during Exhibit Hall hours to fully paid Annual Meeting participants only.



Note: Continuing education credits are not available for *Kidney Week On-Demand*.

Sunday, November 6, 8:00 a.m. – 9:00 a.m.

Plenary: Midcareer Awards, State-of-the-Art Lecture..... W415 Valencia

- 8:00 a.m. **In Memoriam**
8:05 a.m. **Midcareer Awards**
8:15 a.m. **State-of-the-Art Lecture “Wearable Microfluidic Devices and Implantable
Electronic Systems for Kidney Health” – John Rogers**

ASN Business Meeting..... W415 Valencia

Sunday, November 6, 9:30 a.m. – 11:30 a.m.

AKI: Old and New Players.....W311

Moderators: Pierre Dagher, Kimberly Reidy

- 9:30 a.m. **Protective Neural Circuits in AKI – Mark Okusa**
10:00 a.m. **Dysregulation of Iron Metabolism in AKI – Subhashini Bolisetty**
10:30 a.m. **Manipulating Fatty Acid Oxidation to Protect Against AKI – Sunder Sims-Lucas**
11:00 a.m. **Ferroptosis: New Insights and Links to Metabolism and Redox Biology –
Andreas Linkermann**

Nephron Progenitor Fate Determination and Maintenance.....W315

Moderators: Cristina Cebrian Ligeró, Lori O'Brien

- 9:30 a.m. **Transcriptional Regulation of Nephron Progenitors – Nils Lindstrom**
10:00 a.m. **Nephron Progenitor Commitment Is a Stochastic Process Influenced by Cell
Migration – Alexander Combes**
10:30 a.m. **Chromatin Interactions with Transcription Factors in Progenitor Maintenance –
Pin-Xian Xu Xu**
11:00 a.m. **Chromatin Accessibility in Progenitors – Dennis Kostka**

Contemporary Management of Diabetic Kidney Disease:

Update on Recent Clinical Trials..... W415 Valencia

Moderators: Frank Brosius, Subramaniam Pennathur

- 9:30 a.m. **SGLT2 Inhibitors – Meg Jardine**
10:00 a.m. **GLP1 Receptor Agonists – Daniël van Raalte**
10:30 a.m. **Mineralocorticoid Receptor Antagonists – Peter Rossing**
11:00 a.m. **ASK1 Inhibitors – Glenn Chertow**

**Ethical Challenges in Nephrology, Including the Christopher R. Blagg, MD,
Endowed Lectureship in Kidney Diseases and Public Policy.....W304**

ASN gratefully acknowledges the Northwest Kidney Centers and its contributors for support of the Christopher R. Blagg Endowed Lectureship in Kidney Diseases and Public Policy.

Moderators: Fahad Saeed, Milda Saunders

- 9:30 a.m. **Dialysis for Patients in the Undocumented Immigrant Community in the
United States: The Christopher R. Blagg, MD, Endowed Lectureship in
Kidney Diseases and Public Policy – Lilia Cervantes**
10:00 a.m. **Ethics of Shared Decision Making in Kidney Diseases – Sara Davison**
10:30 a.m. **Transplanting Genetically-Modified Pig Kidneys into Humans: A Review of the
Ethical Challenges – Peter Reese**
11:00 a.m. **Ethical Issues in Pediatric Kidney Replacement Therapy – Aaron Wightman**

Glomerular Diseases and Cancer: Cause or Effect?.....W414

Support is provided by an educational grant from Travers Therapeutics, Inc.

Moderators: Mark Perazella, Aisha Shaikh

- 9:30 a.m. **Glomerular Diseases in Solid and Hematologic Malignancies: Pathogenesis, Diagnosis, and Management** – Pooja Amarapurkar
- 10:00 a.m. **Glomerular Diseases Associated with Cancer Treatment: Mechanism of Disease, Diagnosis, and Management** – Naoka Murakami
- 10:30 a.m. **Screening for Cancer in Patients with Newly Diagnosed Glomerular Disease: When Is It Appropriate?** – Emmanuelle Plaisier
- 11:00 a.m. **Cancer due to Immunosuppressive Therapy in Glomerular Disease: What Can We Do to Mitigate the Risk?** – Kenar Jhaveri

Pending Challenges When Addressing Donor Kidney Function:

How Low Is Low Before and After DonationW307

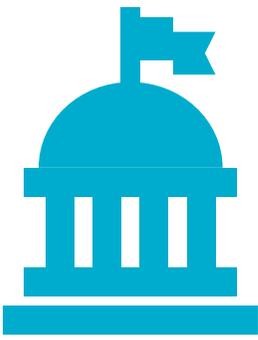
Moderators: Krista Lentine, Aneesha Shetty

- 9:30 a.m. **Should Optimal Pre-Donation GFR Be Based on a Single Flat Cutoff or Based on Age and Gender?** – Emilio Poggio
- 10:00 a.m. **Should Donors Be Classified as Having CKD Post-Donation?** – Sunita Singh
- 10:30 a.m. **The Hypertensive Kidney Donor: How Far to Push It?** – Ann Bugeja
- 11:00 a.m. **Living Donor Prospective on Kidney Donation** – Lacye Trevino

Molecular Mechanisms of Hypertension and Cardiovascular EffectsW308

Moderators: Bryan Becker, Mahboob Rahman

- 9:30 a.m. **Elastin-Like Polypeptide: VEGF-B Fusion Protein for Treatment of Preeclampsia** – Gene Bidwell
- 10:00 a.m. **Dysregulation of the Circadian Rhythm of BP Is Associated with Adverse Cardiorenal Outcomes** – Michelle Gumz
- 10:30 a.m. **CKD Pathogenesis in Hypertension from Human and Animal Genomic Studies** – TBD
- 11:00 a.m. **Salt-Induced BP Elevation Is Associated with Impaired Bile Acid Signaling and Monocyte Activation** – Jeanne Ishimwe



2022 ACCOMPLISHMENTS

Championing Kidney Care

INTERVENE EARLIER to prevent, diagnose, coordinate care, and educate

- Advanced support across the federal government for early kidney disease testing.
- Prioritized research of new biomarkers and health equity improvements.
- Advocated for Medicare to address the data gap in Medicare Advantage expansion and include people with kidney failure.

TRANSFORM TRANSPLANT and increase access to donor kidneys

- Collaborated with Congress, HRSA, and CMS to increase transparency, accountability, and patient-centered care in the transplantation ecosystem
- Led successful efforts to remove race factors in eGFR calculations used in the transplant process.
- Advocated for Medicare to provide dental coverage for transplant candidates, recipients, and immunocompromised patients, and supported legislation to allow purchase of dental insurance through federal health care exchanges.

ACCELERATE INNOVATION and expand patient choice

- Secured new federal funding for innovation at KidneyX, research at NIH and NIDDK, and disease surveillance at CDC.
- Advanced reimbursement for increased innovation in TPNIES and TDAPA, while developing payment pathways for an artificial kidney and other innovations.
- Addressed barriers and quality measurement in home dialysis.

ACHIEVE EQUITY and eliminate disparities

- Supported legislation to extend pandemic telehealth expansions.
- Encouraged ASN members to address the impact of climate change on kidney care.
- Outlined recommendations to increase equity and utilization of social determinants of health in kidney care, and provide regular dialysis care for undocumented individuals through Medicaid.

LGBTQ+ Owned and Friendly Local Businesses and Organizations in Orlando

Please join ASN in supporting these local businesses and organizations.

Restaurants

Hamburger Mary's

110 W Church St
321-319-0600

White Wolf Café & Bar

1829 Orange Ave
407-895-9911

The Hammered Lamb

1235 N Orange Ave
407-704-3200

Café Tu Tu Tango

8625 International Dr
407-248-2222

Island Time

712 E Washington St
407-930-2640

Bites and Bubbles

1618 N Mills Ave
407-270-5085

Estefan Kitchen Orlando

3269 Margaritaville Blvd (Kissimmee)
407-828-0999

Bars and Clubs

Southern Nights

375 S Bumby Ave
407-412-5039

Stonewall Bar Orlando

741 W Church St
407-373-0888

Latitudes

33 W Church St
407-649-4270

Ember

42 W Central Blvd
407-849-5200

Savoy Orlando

1913 N Orange Ave
407-270-4685

Community Organizations



onePULSE Foundation

1912 S Orange Ave, info@onePULSEfoundation.org, 407-775-4611

The Pulse Memorial is a sanctuary of quiet reflection and love dedicated to honoring the senseless lives taken and remembering the horrible attack that occurred on June 12, 2016. ASN is making a \$25,000 donation to the foundation to demonstrate our unwavering support of the LGBTQ+ Communities. If you would like to contribute, go to <https://secure.qgiv.com/for/asnone/> or text ASN to 505155 or scan this QR code.

Community Organizations (cont.)

The Center Orlando

946 N Mills Ave, info@thecenterorlando.org, 407-228-8272

We look to transform our community by inspiring and connecting people and organization, promoting acceptance and inclusion.

Hope & Help Center of Central Florida

4122 Metric Dr Ste 800 (Winter Park), 407-645-2577

Founded in 1988 and is the largest HIV/AIDS service and advocacy organization in the Orlando metropolitan area.

Zebra Coalition

911 N Mills Ave, info@zebrayouth.org, 407-228-1446

Zebra Coalition is a network of organizations which provide services to lesbian, gay, bisexual, transgender, and all youth (LGBTQ+) ages 13–24. The Coalition assists young people facing homelessness, bullying, isolation from their families, and physical, sexual and drug abuse with individualized programs to guide them to recovery and stability.

The Pride Chamber

5003 Old Cheney Hwy, info@thepridechamber.org, 321-800-3946

We are the LGBT Chamber of Commerce dedicated to the business equality movement in the Greater Orlando area and beyond. The Pride Chamber's strategic focus is to serve as a resource to small businesses and large corporations and bridge the gap between them. We welcome you to get engaged in our mission to strengthen equality in Greater Orlando's business community.

One Orlando Alliance

611 N Mills Ave Box 533005, 407-499-1711

One Orlando Alliance is a vital support network for LGBTQ+ organizations in Central Florida. We lower barriers, provide critical communication, and promote effective, influential, and sustainable opportunities for transforming the culture of the region. We understand transformative change in attitudes and behaviors begins with an unwavering commitment to bettering the welfare of all. We will achieve this by fostering a deep respect for one another and ensuring inclusiveness within our diverse population.

Come Out With Pride

424 E Central Blvd Ste 415 (mail only)

Come Out With Pride is an all-volunteer nonprofit organization inspired to make an impact in Orlando's LGBTQ+ community. Celebrated in October, Come Out With Pride welcomes everyone from Central Florida and beyond to come together and #KeepDancingOrlando! We are dedicated to supporting our community through grants and scholarship programs.

Orlando Youth Alliance

PO Box 536944, info@orlandoyouthalliance.org, 407-244-1222

A 501(c)(3) nonprofit organization founded in 1990. Our mission is to provide a safe space for LGBT youth in Central Florida. We meet on Tuesday evenings at 6:15 p.m. at Reeves United Methodist Church, 110 N Ferncreek Ave.

MBA Orlando LGBT Chamber of Commerce

5003 Old Cheney Hwy, info@thepridechamber.org, 321-800-3946

Dedicated to the pursuit of equality through economics.

ASN Innovations in Kidney Education Contest Winners

Congratulations to the winners of the 2022 ASN Innovations in Kidney Education Contest. These winners represent the best of these innovative approaches (relevance, creativity, portability, and feasibility) to teaching about kidney health and diseases.

kidney.wiki

Ryan Town

Stanford University Center for Academic Medicine

Genomics of Kidney Disease Interactive Virtual Modules

Mira T. Keddis, Hana Newman, Harini A. Chakkera, Kara Mangold, Filippo Pinto e Vairo, Mireille El Ters, Marie Hogan, Timothy Curry

Mayo Clinic College of Medicine (Arizona)

Channel Your Enthusiasm: The Burton Rose Book Club

Joel M. Topf, Anna R. Gaddy, Melanie P. Hoenig, Edgar V. Lerma, Sai Sudha, Priti Meena, Roger A. Rodby, Dominique Tomacruz, Juan Carlos Valez, Joshua S. Waitzman, Amy Yau

Oakland University William Beaumont School of Medicine

ASN thanks the contest judges for their review and expertise: Mark G. Parker (chair), Anna Marie Burgner, Katie E. Cardone, Denise K. Link, Rajeev Raghavan, and Hanny Sawaf

Support for the 2022 contest is provided by



Cele's Champions: Cele Fogarty Travel Support Program for Patients

On behalf of the 850,000,000 people worldwide with kidney diseases, the Cele Fogarty Travel Support Program for Patients (“Cele’s Champions”) honors people living with kidney diseases or caring for an individual with kidney diseases by supporting their voice and advocacy.

Cecilia “Cele” Agnes Fogarty was a leading executive in event management and member services for decades, advancing the work of several major organizations in health care, medicine, science, and other areas. She was renowned for her ability to manage the most complex meeting logistics, anticipate challenges, and meet the unexpected crises—large and small—with aplomb and sometimes magic. Her dedication and persistence parallel the courage and diligence to live well with a chronic disease. Throughout her career, Ms. Fogarty mentored countless meeting and event professionals as well as other staff from not-for-profit organizations and the hospitality industry. Prior to her death in 2021, she served as ASN Vice President for Meetings and Member Experience. She and her team were responsible for managing the logistics for ASN Kidney Week, the society’s other national and international events, and related activities.

Despite being diagnosed with kidney disease herself, Ms. Fogarty continued to work towards “A world without kidney diseases,” including the strenuous onsite meeting management, due to the flexibility of peritoneal dialysis, and support of her care team.

Despite being diagnosed with kidney disease herself, Ms. Fogarty continued to work towards “A world without kidney diseases,” including the strenuous onsite meeting management, due to the flexibility of peritoneal dialysis, and support of her care team.

Patient advocates who speak out for the people worldwide with kidney diseases.

ASN is committed to including the patient voice throughout the organization and in its activities. To honor Ms. Fogarty, her commitment to mentorship, and her passion for accommodating all people regardless of the challenges they may face, ASN is pleased to announce the inaugural group of “Cele’s Champions” – patient advocates who speak out for the people worldwide with kidney diseases.

- Lubna Akbany
- Jimmie Bates
- Marc Burling
- Nieltje Gedney
- Jackson Goodrich
- Jennifer Meyer
- Janine Reed
- Charles Rice, CPhT
- Wendy Rodgers



SAVE THE DATE



KIDNEY WEEK **20 23**

November 2-5, 2023

Philadelphia, PA

www.asn-online.org

Medical Resources and Tools: Partnering With Experts in the Field

GSK is proud to partner with experts in the field to bring you educational resources to support you and your patients.



Anemia of Chronic Kidney Disease

anemiaofckdnetwork.com

Explore resources around the clinical burden and unmet needs of anemia of CKD.
Learn about:

- The prevalence and burden of untreated anemia of CKD
- The potential impact of anemia of CKD on patients
- Mechanisms of disease in the pathophysiology of anemia of CKD, including the HIF pathway



Lupus Nephritis

sleeducatorsnetwork.com

Explore the latest scientific advances and expert opinion in LN

- Learn how you can protect your patients from ESKD through earlier diagnosis and management with therapies that modify the underlying autoimmune disease
- Understand evolving biomarkers and clinical assessments to help inform LN management
- Identify strategies to help remove barriers related to healthcare disparities in LN



Steven Fishbane, MD
Northwell Health and Hofstra
University, Great Neck, NY

Exhibitor Spotlight

Physician-Patient Discussion:

**Does Patient Care Need to Evolve for
Anemia of CKD?**

November 5, 2022 | 10:00–10:45AM

Exhibit Hall – West Building

Join Dr. Steven Fishbane and Erich, a patient with anemia of CKD, as they discuss the unmet needs in anemia of CKD. We will also hear the patient perspective on the impact of anemia of CKD on daily life.

CKD, chronic kidney disease; ESKD, end-stage kidney disease; HIF, hypoxia-inducible factor; LN, lupus nephritis.
These are non-promotional disease awareness websites and programs intended for healthcare professionals only.
They are not Continuing Education (CE) activities.

PSE-US-3105 | Date of preparation: August 2022

GSK

 gsk.com



Ahead of Kidney Disease Together

Come visit us at
BOOTH #1707
and engage with:

- Interactive content for:
 - Anemia of Chronic Kidney Disease (CKD)
 - Lupus Nephritis (LN)
 - Respiratory Syncytial Virus (RSV)
- Hemoglobe - Immersive Augmented Reality Experience
- Anemia of CKD Virtual Reality House
- LN Challenge
- Expert Forums

GSK

 [gsk.com](https://www.gsk.com)

PSE-US-1105 | Date of preparation: August 2022