

## KidneyX Redesign Dialysis Phase 1 Reviewers

Arthi Amin  
Lynda Ball  
Joe Bonventre  
Daronta Briggs  
Timothy Brindle  
Michael Burgio  
Nancy Colobong Smith  
Michelle Cruse  
Stephanie Dixon  
Linda Fried  
Patrick Gee  
Holli Hamilton  
Deborah Hoshizaki  
Jula Inrig  
Janae James  
Nichole Jefferson  
Mark Johnson  
Jeffrey Kopp  
Audrey Kusiak  
Jeff Lawson  
Susie Lew  
Kevin Longino

Precious McCowan  
Rajnish Mehrotra  
Michael Mittelman  
Peter Murray  
Lauren Oviatt  
Judith Paige  
Uptal Patel  
Sam Pederson  
Kimberlee Potter  
Marlon Pragnell  
Jesse Roach  
Maile Robb  
Glenda Roberts  
Lloyd Rose  
Prabir Roy-Chaudhury  
Abigail Ryan  
Hina Sayed  
Seila Selimovic  
Jim Sloand  
David White  
Michael Wolfson

## KidneyX Redesign Dialysis Phase 1 Judges

Joseph Hamel  
Ken Kim  
Emily Levy  
Meda Pavkov  
Krishna Polu

Danilo Tagle  
Joseph Vassalotti  
John Watson  
Caroline Wilkie

## Redesign Dialysis Phase 1 featured a multi-stage review process:

1. KidneyX team members triaged submissions, validating that they met eligibility requirements and distributed valid submissions to technical reviewers.
2. Technical reviewers reviewed submissions to score and provide comments (3 reviewers per submission). The 25 highest-scoring submissions were sent on to the judges.
3. Judges reviewed the top 25 scored submissions and made final recommendations of winners. Note: Judges had access to all submissions, and had the opportunity to review and recommend any to be added to the judging discussion even if that submission was not selected by the technical reviewers as a 25 highest-scoring submission.
4. ASN Council and the HHS Chief Technology Officer certified the winners.

KidneyX appreciates the confidentiality associated with submissions. All judges, reviewers, and staff signed a Non-Disclosure Agreement (NDA).



**KIDNEYX**  
INNOVATION ACCELERATOR

**2019 KidneyX Summit**  
**April 29-30**

United States Institute of Peace  
2301 Constitution Avenue, NW  
Washington, DC 20037

[www.KidneyX.com](http://www.KidneyX.com)

# 2019 Kidney X Summit Schedule At-A Glance

## Monday, April 29

12:00PM – 1:00PM	<b>Registration</b> Lunch and Networking Opportunity
1:00PM – 1:15PM	<b>Welcome Remarks</b> Ed Simcox, JD, Chief Technology Officer, HHS Mark Rosenberg, MD, FASN, President, ASN
1:15PM – 1:25PM	<b>Senate Perspective</b> Senator Todd Young (R-IN)
1:25PM – 1:40PM	<b>Keynote Address</b> <b>Transforming Kidney Care</b> Eric Hargan, JD, Deputy Secretary, HHS
1:40PM – 2:00PM	<b>KidneyX Innovation Accelerator</b> John Sedor, MD, FASN ASN Chair, KidneyX Steering Committee
2:00PM – 2:20PM	<b>Announcement of Redesign Dialysis – Phase 1 Prize Recipients</b> Mr. Simcox and Dr. Rosenberg
2:20PM – 3:00PM	<b>Featured Presentations</b> <b>Diagnostics Redesign Dialysis Phase 1 Prize Recipients</b> <b>Moderator</b> Carmen Peralta, MD, MAS Chief Medical Officer, Cricket Health <b>A Non-invasive, Wearable Telehealth Device to Detect Thrombosis and Monitor Vascular Access Health of Arteriovenous Fistulas and Grafts in Hemodialysis Patients</b> Dr. Vinay Narasimha Krishna <b>Development of an Automated Multimodal Sensor to Improve Patient Outcomes in Hemodialysis</b> Dr. Dean Hu <b>Fluo Medical Fistula Monitoring Device</b> Dr. Dimitri Augustin <b>Digitally-delivered Behavior Change Program to Help Patients Delay Dialysis</b> Dr. Kirby Binayao <b>Utilizing Optical Interrogation Methods for Early Diagnosis of Peritonitis in Peritoneal Dialysis Patients</b> Mr. Mark Buckup
3:00PM – 3:15PM	<b>BREAK</b>

3:15PM – 3:55PM

### Featured Presentations

**Improving Dialysis Redesign Dialysis Phase 1 Prize Recipients**

#### Moderator

Ashley Wittorf  
Executive Director, AdvaMed Accel

**Nitric Oxide-Eluting Disposable Hemodialysis Catheter Insert to Prevent Infection and Thrombosis**  
Dr. Alexander Yevzlin

**Smart Sensor-enhanced Needle Guide Reduces Pain and Cost in Clinic; Major Enabler of Home Hemodialysis**  
Dr. Daniel Nadis

**Atomically Precise Membranes for High-Flux and Selective Removal of Blood Toxins**  
Dr. Christian Schafmeister

**Displacer-Enhanced Hemodialysis: Improving the Intradialytic Removal of Protein-Bound Uremic Toxins Using Binding Competitors**  
Dr. Xia Tao

**Drug-Eluting Electrospun Hemodialysis Graft**  
Dr. Yael Vin

3:55PM – 4:10PM

### BREAK

4:10PM – 4:50PM

### Featured Presentations

**Engineering Redesign Dialysis Phase 1 Prize Recipients**

#### Moderator

Murray Sheldon, MD  
Associate Director for Technology and Innovation, FDA

**Development of a Dialysate- and Cell-Free Renal Replacement Technology**  
Dr. Ira Kurtz

**The Ambulatory Kidney to Improve Vitality**  
Dr. Cassandra Thomson

**Air Removal System for a Wearable Renal Therapy Device**  
Dr. Clarence Graansma

**Intracorporeal Hemodialysis System**  
Dr. Shuvo Roy

**Building New Kidneys**  
Dr. Jeff Ross

4:50PM – 5:05PM

### Break

5:05PM – 5:35PM

**Patient Experience and Why Innovation is Needed**

#### Moderator

Paul Conway, Immediate Past President, AAKP  
Daronta Briggs  
Precious McCowan  
Caroline Wilkie

5:35PM – 5:50PM

**Announcement of Patient Innovator Prize**  
Mr. Simcox

5:50PM – 6:00PM

**Closing Remarks**  
Dr. Rosenberg

6:00PM – 7:00PM

**Reception**

## Tuesday, April 30

8:00AM – 9:00AM

### Registration

Breakfast and Networking Opportunity

9:00AM – 9:10AM

### Congressional Perspectives

Congresswoman Suzan DelBene (D-WA),  
Congressional Kidney Caucus Co-Chair

9:10AM – 9:25AM

### Nephrology Investment Landscape

Emily Levy, MBA  
Former Head, Fresenius Medical Care Ventures

9:25AM – 9:35AM

### Congressional Perspectives

Congressman Larry Buchson, MD (R-IN),  
Congressional Kidney Caucus Co-Chair

9:35AM – 10:20AM

### Spurring Innovation

- **Cystic Fibrosis Experience**  
Robert Beall, PhD  
Former CEO, Cystic Fibrosis Foundation
- **JDRF Experience**  
Lawrence Soler, JD  
Founding Partner, Convergency

10:20AM – 10:35AM

### NIH Role

Jill Heemskerk, PhD  
Deputy Director, National Institute of Biomedical Imaging and Bioengineering

10:35AM – 10:50AM

### FDA's Role as a Driver of Innovation: Support for KidneyX

Jeffrey Shuren, MD, JD  
Director, Center for Devices and Radiological Health, FDA

10:50AM – 11:05AM

### BREAK

11:05AM – 11:20AM

### How Payment Policy Can Help Spur Innovation

Adam Boehler  
Deputy Administrator and Director, Center for Medicare and Medicaid Innovation

11:20AM – 11:35AM

### Nephrology Investment Landscape

Leslie Trigg, MBA  
CEO, Outset Medical

11:35AM – 12:00PM

### Vision of Kidney Disease Opportunities and the Role of KidneyX

Dr. Sedor

12:00PM – 12:15PM

### Closing Remarks

Dr. Sheldon and Dr. Rosenberg

12:15PM – 2:00PM

### Lunch

