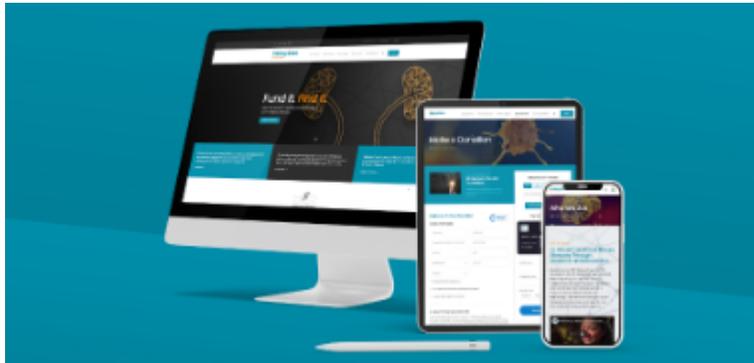


# KidneyCurrent

*The Quarterly KidneyCure e-Newsletter*

April 2021



## In This Issue:

- New Website Announcement
- Grants Review Meeting
- Grant Recipients at Work

## New Website Launches Today!

We are excited to announce that KidneyCure now has its own dedicated website. The site is designed to highlight our work and grant recipients, and provide a better donation experience. As our supporters, we wanted you to be among the first to see it. Please visit [www.kidneycure.org](http://www.kidneycure.org), and let us know what you think by emailing [kidneycure@asn-online.org](mailto:kidneycure@asn-online.org).

## 2021 Grant Application Review Update

The [Grants Review Committee](#), chaired by Bruce C. Kone, MD, FASN, and Ambra Pozzi, PhD, DrPh, met virtually on Tuesday, March 23 to review nearly 100 research applications submitted in December 2020. The committee's recommendations were reviewed by the KidneyCure Board of Directors in early April. Up to 24 new investigators will join the esteemed roster of KidneyCure grant recipients this year and we look forward to announcing the new recipients soon.

## Grant Recipients at Work

Current and former KidneyCure grant recipients are working across the research spectrum to advance our understanding and treatment of kidney diseases. Find highlights of recent works and publications as submitted by former KidneyCure grant recipients [here](#).

If you have any questions, please contact us at [kidneycure@asn-online.org](mailto:kidneycure@asn-online.org) or 202-640-4660.

**Make a Donation**

## Grant Recipients at Work

Highlights of recent works and publications as submitted by current and former KidneyCure grant recipients. Grant award year is indicated in parentheses.

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Sunjae Bae, MD, MPH (2018)

- Publications:
  - [Mortality and Access to Kidney Transplantation in Patients with Sickle Cell Disease-Associated Kidney Failure](#)
  - [Early Changes in Kidney Transplant Immunosuppression Regimens During the COVID-19 Pandemic](#)
  - [Inconsistencies in the association of clinical factors with the choice of early steroid withdrawal across kidney transplant centers: A national registry study](#)
- Press:
  - [Kidney Transplants Benefit Patients With SCD, But Few Have Chance to Receive Them](#)
  - [Kidney Transplant Tied to Reduced Mortality in Sickle Cell Patients](#)

Ulf Beier, MD, DrMed (2017)

- [Lactate Limits T Cell Proliferation via the NAD\(H\) Redox State](#)
- [Cancer aided by greasy traitors](#)

Dorin Bogdan Borza, PhD (2003)

- [A glycine substitution in the collagenous domain of Col4a3 in mice recapitulates late onset Alport syndrome](#)

Benjamin Charles Bowe, III, MPH (2019)

- [Acute Kidney Injury in a National Cohort of Hospitalized US Veterans with COVID-19](#)

Tammy M. Brady, MD, PhD (2008)

- Publications:
  - [Blood pressure during sleep is associated with arterial stiffness and urine microalbumin to creatinine ratio in youth with type 1 diabetes](#)
  - [Association of Obesity with Cardiovascular Risk Factors and Kidney Disease Outcomes in Primary Proteinuric Glomerulopathies](#)
  - [Social Determinants of Cardiovascular Health in African American Children with Chronic Kidney Disease: an analysis of the Chronic Kidney Disease in Children \(CKiD\) Study](#)
- Press:
  - [Childhood Obesity, A Focus on Hypertension](#)
  - [Cardiovascular Disease Risk in Overweight and Obese Children with CKD](#)

Wei Chen, MD, MS, FASN (2017)

- [Identification of Novel Biomarkers and Pathways for Coronary Arterial Calcification in Patients on Hemodialysis using Metabolomic Profiling](#)
- [Associations of Serum Calciprotein Particle Size and Transformation Time with Arterial Calcification, Arterial Stiffness and Mortality in Incident Hemodialysis Patients](#)

Zheng Dong, PhD, FASN (2001)

- [The negative feedback loop of NF- \$\kappa\$ B/miR-376b/NFKBIZ in septic acute kidney injury](#)
- [The PINK1/PARK2/optineurin pathway of mitophagy is activated for protection in septic acute kidney injury](#)
- [FOXO1-mediated Downregulation of RAB27B Leads to Decreased Exosome Secretion in Diabetic Kidneys](#)

Paul E. Drawz, MD, MS (2015)

- [Walz, Flanagan Announce Groundbreaking Partnership Between State of Minnesota, Health Care Systems on Race and Ethnicity Data Collection](#)

Kevin F. Erickson, MD, MS (2017)

- [ACOs and Bending the Cost Curve for Health Care Spending for People with Kidney Failure](#)

Alexander H. Flannery, PharmD (2020)

- [Kidney Biomarkers and Major Adverse Kidney Events in Critically Ill Patients](#)

Rasheeda K. Hall, MD, MS, MBA (2015)

- Publications:
  - [Prioritizing the quality of life of older adults with kidney disease](#)
  - [Fragmentation of care as a barrier to optimal ESKD management](#)
  - [Statins and atherosclerotic cardiovascular outcomes in patients on incident dialysis and with atherosclerotic heart disease](#)
- Press:
  - [2020 inductees to the AJKD Reviewer Hall of Fame](#)
  - [Clin-STAR Journey Story](#)

Elizabeth M. Hendren, MD (2013)

- [Caring for pregnant patients with CKD: an ethical discussion of 5 cases](#)

Mark Hepokoski, MD (2018)

- [Altered lung metabolism and mitochondrial DAMPs in lung injury due to acute kidney injury](#)

Tamara Isakova, MD (2013)

- [Design and Rationale of HiLo: A Pragmatic, Randomized Trial of Phosphate Management for Patients Receiving Maintenance Hemodialysis](#)

Farrukh M. Korashy, MD, PhD, FASN (2012)

- [Safety, tolerability, and outcomes of losartan use in patients hospitalized with SARS-CoV-2 infection: A feasibility study](#)
- [Association of Proteinuria and Hematuria with Acute Kidney Injury and Mortality in Hospitalized Patients with COVID-19](#)

Sang-Ho Kwon, PhD (2016)

- [A Qualitative change in the transcriptome occurs after the first cell cycle and coincides with lumen establishment during MDCKII cytotogenesis](#)

David E. Leaf, MD, FASN (2018)

- Publications:
  - [AKI Treated with Renal Replacement Therapy in Critically Ill Patients with COVID-19](#)
  - [Association Between Early Treatment with Tocilizumab and Mortality Among Critically Ill Patients with COVID-19](#)
  - [Thrombosis, Bleeding, and the Observational Effect of Early Therapeutic Anticoagulation on Survival in Critically Ill Patients with COVID-19](#)
- Press:
  - [Treatment for COVID-19 is better than a year ago, but it still has a long way to go](#)

Jiahua Li, MD, PhD (2018)

- [Decision algorithm for prescribing SGLT2 inhibitors and GLP-1 receptor agonists for diabetic kidney disease](#)

Amar J. Majmundar, MD, PhD (2018, 2020)

- Publications:
  - [Recessive NOS1AP variants impair actin remodeling and cause glomerulopathy in humans and mice](#)
  - [A recurrent, homozygous EMC10 frameshift variant is associated with a syndrome of developmental delay with variable seizures and dysmorphic features](#)
  - [De novo TRIM8 variants impair its protein localization to nuclear bodies and cause developmental delay, epilepsy, and focal segmental glomerulosclerosis](#)
- Press:
  - [New Kid on the Block: NOS1AP is a newly recognized genetic cause of steroid-resistant nephrotic syndrome in infants](#)

Naoka Murakami, MD, PhD, FASN (2019)

- [A multi-center study on safety and efficacy of immune checkpoint inhibitors in cancer patients with kidney transplant](#)

Lama Nazzal, MD, MS (2017)

- Publication:
  - [Microbial genetic and transcriptional contributions to oxalate degradation by the gut microbiota in health and disease.](#)
- Press:
  - [KidneyX COVID-19 Kidney Care Challenge](#)

Sanjeev Noel, PhD (2020)

- [Gut Microbiota-Immune System Interactions during Acute Kidney Injury](#)
- [Nrf2 mediates hypoxia-inducible HIF1 \$\alpha\$  activation in kidney tubular epithelial cells](#)
- [Gut Microbiome and AKI: Roles of the Immune System and Short-Chain Fatty Acids. Nephron](#)

Samir M. Parikh, MD, FASN (2008)

- [Niacinamide May Be Associated with Improved Outcomes in COVID-19-Related Acute Kidney Injury: An Observational Study](#)
- [Targeting energy pathways in kidney disease: the roles of sirtuins, AMPK, and PGC1 \$\alpha\$](#)

Jennifer L. Pluznick, PhD (2013)

- [Expression Inhibits Renal Acid Secretion](#)
- [Acetate, a Short-Chain Fatty Acid, Acutely Lowers Heart Rate and Cardiac Contractility along with Blood Pressure](#)

Yuvaram N.V. Reddy, MBBS (2020)

- Publication:
  - [Ensuring the Equitable Advancement of American Kidney Health-the Need to Account for Socioeconomic Disparities in the ESRD Treatment Choices Model](#)
- Press:
  - [Estimating Shortages of Continuous Kidney Replacement Therapy During COVID-19](#)

Timo Rieg, MD, PhD (2010)

- [Genetic deletion of connexin 37 causes polyuria and polydipsia](#)

John K. Roberts, MD, MS, Med (2017)

- [The Nephrology Clinician Educator: Pathway and Future](#)
- [BK virus nephropathy in non-renal solid organ transplant recipients: Are we looking hard enough?](#)

Aylin Rodan, MD, PhD (2013)

- [A \*Drosophila\* screen identifies NKCC1 as a modifier of NGLY1 deficiency](#)
- [WNKs are potassium-sensitive kinases](#) (Selected for APS*select*, a collection from the American Physiological Society that showcases the best recently published articles in physiological research.)

Jane O. Schell, MD (2014)

- [NephroTalk Multimodal Conservative Care Curriculum for Nephrology Fellows: Design, Content, and Pilot Results](#)
- [Challenges with Providing Hospice Care for Patients Undergoing Long-Term Dialysis](#)

Katherine Mikovna Scovner, MD, MPH (2019)

- Specific Electrocardiograph Intervals Predict Hospitalization with Atrial Fibrillation in those with Chronic Kidney Disease
- [Electrolyte Changes in Contemporary Hemodialysis: A Secondary Analysis of the Monitoring in Dialysis \(MiD\) Study](#)

Kana N. Miyata, MD (2019)

- [The Rationale and Evidence for SGLT2 Inhibitors as a Treatment for Nondiabetic Glomerular Disease](#)

Meghan E. Sise, MD, MS (2013)

- [Hyponatremia and other electrolyte abnormalities in patients receiving immune checkpoint inhibitors](#)
- [Remdesivir in Patients With Estimated GFR <30 ml/min per 1.73 m<sup>2</sup> or on Renal Replacement Therapy](#)
- [Acute Kidney Injury After the CAR-T Therapy Tisagenlecleucel](#)

Alexander Staruschenko, PhD, FASN (2008)

- [Kcnj16 knockout produces audiogenic seizures in the Dahl salt-sensitive rat](#)
- [Loss of CIC-6 affects vascular smooth muscle contractility and arterial stiffness via alterations to Golgi calcium stores](#)
- [Role of opioid signaling in kidney damage during the development of salt-induced hypertension](#)

Roderick J. Tan, MD, PhD (2018)

- Publication:
  - [Genetic or pharmacologic Nrf2 activation increases proteinuria in chronic kidney disease in mice](#)
- Press:
  - [Nrf2 activation for kidney disease treatment—a mixed blessing?](#)

Joshua S. Waitzman, MD, PhD (2020)

- [Impact of the COVID-19 Pandemic on Nephrology Fellow Training and Well-Being in the United States: A National Survey](#)

Yan Xie (2020)

- Publications:
  - [Comparative evaluation of clinical manifestations and risk of death in patients admitted to hospital with covid-19 and seasonal influenza: cohort study](#)
  - [Acute Kidney Injury in a National Cohort of Hospitalized US Veterans with COVID-19](#)
  - [County-Level Contextual Characteristics and Disparities in Life Expectancy](#)
- Press:
  - [COVID-19 patients at higher risk of death, health problems than those with flu](#)
  - [5 Times Deadlier Than Flu, COVID-19 Has Risk Of Long-Term Effects, St. Louis VA Study Finds](#)
  - [Acute Kidney Injury With COVID-19 Seems to Be Declining in US](#)
  - [Black Race Ups AKI Risk in Hospitalized COVID-19 Population](#)