



PRESS RELEASE

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KIDNEYCURE ANNOUNCES 2020 GRANT RECIPIENTS

Highlights

- Kidney diseases affect more than 850 million people worldwide.
- KidneyCure continues to propel positive change in public health, once again funding more than \$3 million to support research that changes lives.
- This year's grant recipients, among the best and the brightest in the field, bring energy, innovation and expertise to areas undergoing rapid change: acute kidney injury and repair, home dialysis, and post-transplant care.

Washington, DC (July 1, 2020) — KidneyCure (American Society of Nephrology Foundation) is honored to continue its support of investigators committed to advancing kidney health. Building on decades of success, KidneyCure makes it possible to improve knowledge and treatment by identifying and funding high-impact projects.

Investigators funded by KidneyCure are making a difference in key areas that impact care for millions. KidneyCure is proud to support excellence and innovation, and to extend the advances that the foundation has propelled since its inception.

The 2020 grant recipients, listed below, will extend this trajectory of achievement and continue to improve quality of life for those living with kidney diseases.

Transition to Independence Grant Recipients

KidneyCure's Transition to Independence Grants Program helps young investigators achieve independent research careers and is supported by contributions provided by ASN, Keryx Biopharmaceuticals, Inc., Amgen, and individual donors.

Carl W. Gottschalk Research Scholar Grants

Mark R. Hanudel, MD, MS, FASN

University of California, Los Angeles

The Pathological Effects of Fibroblast Growth Factor 23 Fragments

Sho Morioka, PhD
University of Virginia
Boosting Apoptotic Cell Removal During Acute Kidney Injury

Sanjeev Noel, PhD
Johns Hopkins University
T Cell TIGIT/CD226 Co-signaling in Acute Kidney Injury and Repair

Jin Wei, PhD
University of South Florida
Role of Macula Densa RXFP1 in Gestational Hypertension

Ting Yang, MD, PhD
Duke University Medical Center
Renal Epithelial Actions of the Prostaglandin EP4 Receptor in Blood Pressure Control

Jie Zhang, PhD
University of South Florida
A New Mechanism for the Sex Differences in Diabetic Glomerular Hyperfiltration and Kidney Injury

Joseph V. Bonventre Research Scholar Grant

Sian Piret, PhD
Stony Brook University
Transcriptional Regulation of Proximal Tubular Amino Acid Metabolism in AKI

John Merrill Grant in Transplantation

Liwei Jiang, PhD
Brigham and Women's Hospital
Microengineering Third Party Off-shelf-biological Skin Construct for Burn Patient

Norman Siegel Research Scholar Grant

Amar J. Majmundar, MD, PhD
Boston Children's Hospital
Dissecting the Molecular Pathogenesis of NOS1AP and TRIM8 Mutations in Monogenic SRNS/FSGS

Ben J. Lipps Research Fellowship Program

The Ben J. Lipps Research Fellowship Program supports nephrology fellows who will advance the understanding of kidney biology and disease and is fully endowed by contributions provided by Fresenius Medical Care, ASN, the American Renal Patient Care Foundation, Inc., Amgen, Baxter, and the PKD Foundation.

Ben J. Lipps Research Fellows

Michael D. Donnan, MD

Northwestern University Feinberg School of Medicine

Defining the Role of Vascular Endothelial Growth Factor 3 (VEGFR3) in the Fenestrated Microvascular Beds of the Kidney

Seolhyun Lee, MD

Stanford University

Improved Removal of Protein-Bound Solutes During Hemodialysis by Partial Regeneration of the Dialysate

Kyle McCracken, MD, PhD

Brigham and Women's Hospital

Characterization and Manipulation of Proximal Tubule Development in Kidney Organoids

Yuvaram Reddy, MBBS

Massachusetts General Hospital and Brigham and Women's Hospital

Novel Methods to Inform Health Care Policy in Home Dialysis

Joshua S. Waitzman, MD, PhD

Beth Israel Deaconess Medical Center

Structure and Molecular Mechanism of ApoL1

Sharon Anderson Research Fellow

Mohammad Kazem Fallahzadeh Abarghouei, MD

University of California, San Francisco

Identifying Opportunities for Improved Cardiovascular Care Delivery Among Kidney Transplant Recipients

Joseph A. Carlucci Research Fellow

Ankit B. Patel MD, PhD

Brigham and Women's Hospital

Derivation of Collecting Duct Principal Cells from Induced Pluripotent Stem Cells by Direct Programming via Transcription Factor Expression

Jared J. Grantham Research Fellow

Qinzhe Wang, MS, PhD

The University of Utah School of Medicine

Cryo-EM Structures of Polycystic Kidney Disease Proteins

Donald E. Wesson Research Fellow

Russell S. Whelan, MD, PhD

University of Washington

Dissecting Shigatoxin-mediated Endothelial Injury in Engineered Renal Microvasculature

KidneyCure Research Fellow

Irene Chernova, MD, PhD

Yale University

The Role of Na-K-ATPase in the Pathogenesis of Lupus Nephritis

William and Sandra Bennett Clinical Scholars Program

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

Samira S. Farouk, MD, MS, FASN

Icahn School of Medicine at Mount Sinai

Implementation and Assessment of a Mobile-Optimized, Simulation-Based Nephrology Teaching Tool for Undergraduate Medical Education

ASN Pre-Doctoral Fellowship Program

The ASN Pre-Doctoral Fellowship Program provides funding to early career-stage PhD students to conduct original research projects and make contributions to the understanding of kidney biology and disease.

Mariia Alibekova, BS

University of Pennsylvania

Elucidating the Role of Cell Microenvironment and Cell Differentiation Decisions in Kidney Organoid Heterogeneity Towards Better Models of Kidney Development and Disease

Alexander Flannery, Pharm.D.

University of Kentucky College of Pharmacy

Alternative Renin Angiotensin Aldosterone System (RAAS) Activation and RAAS Therapeutics in Septic-Shock Associated Acute Kidney Injury

Tessa Huffstater, BS, M.Eng.

Vanderbilt University

Inhibition of Cadherin-11 in Acute Kidney Injury and Chronic Kidney Disease

Yan Xie, MPH

Saint Louis VA Health Care System

Comparative Effectiveness of Newer and Older Antihyperglycemic Medications on Chronic Kidney Disease

American Society of Nephrology-Harold Amos Medical Faculty Development Program

Aiming to increase diversity among future leaders, the American Society of Nephrology-Harold Amos Medical Faculty Development Program provides four years of research and career development support to a nephrologist from a historically disadvantaged background.

Jason A. Watts, MD, PhD

University of Michigan

Regulatory Mechanism of RNA Polymerase Pausing Affects Gene Expression in the Kidney

KidneyCure was established in 2012 and funds the Transition to Independence Grants Program, the Ben J. Lipps Research Fellowship Program, the William and Sandra Bennett Clinical Scholars Program, the ASN Pre-Doctoral Fellowship Program, and the American Society of Nephrology-Harold Amos Medical Faculty Development Program. Since ASN began funding grants in 1996, the society and the foundation have awarded more than \$45 million in funding for cutting edge research. For more information on KidneyCure or its grant programs, please visit www.asn-online.org/foundation or contact grants@asn-online.org, 202.640.4660.

Since 1966, ASN has been leading the fight to prevent, treat, and cure kidney diseases throughout the world by educating health professionals and scientists, advancing research and innovation, communicating new knowledge, and advocating for the highest quality care for patients. ASN has more than 21,000 members representing 131 countries. For more information, visit www.asn-online.org.

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