

Lecture Will Focus on Future Medical Technology



Daniel Kraft, MD

A physician-scientist, inventor, and entrepreneur will deliver a state-of-the-art lecture titled “The Future of Health and Medicine: Where Can Technology Take Us?” on Saturday, November 6.

Daniel Kraft, MD, has served as the Chair for Medicine and Neuroscience at Singularity University since its inception in 2008. Singularity University describes itself as a global community using exponential technologies to tackle the world’s biggest challenges. In 2011, Dr. Kraft founded the Exponential Medicine Program there, which explores convergent, rapidly developing technologies and their potential in bio-

medicine and healthcare.

Dr. Kraft currently chairs the XPRIZE Pandemic Alliance Task Force, a group of more than 60 leading universities, nongovernment organizations, and corporations focused on catalyzing medical solutions.

With more than 25 years of experience in clinical practice, biomedical research, and healthcare innovation, he is often called upon to speak on the future of health, medicine, and technology and has given five TED and TEDMED talks. He has many scientific publications and medical device, immunology, and stem cell-related patents through faculty positions with the Stanford University School of Medicine and as clinical faculty for the Pediatric Bone Marrow Transplantation Service at the University of California San Francisco.

Dr. Kraft’s academic research has focused on stem cell biology and regenerative medicine, stem cell-derived immunotherapies for cancer, bioengineering human T cell differentiation, and humanized animal models. His research has been published in journals that include *Nature* and *Science*.

His clinical work focuses on bone marrow and hematopoietic stem cell transplantation for malignant and non-malignant diseases in adults and children, as well as medical devices to enable stem cell-based regenerative medicine, including marrow-derived stem cell harvesting, processing, and delivery. He invented the MarrowMiner, a US Food and Drug Administration-approved device for the minimally invasive harvesting of bone marrow, and founded RegenMed Systems, a company developing regenerative therapies based on adult stem cell technologies.

Dr. Kraft implemented the first text-paging system at Stanford Hospital and advises several digital health-related startups. He recently founded IntelliMedicine, a startup focused on personalized, data-driven, precision medicine.

He is an avid pilot and has served in the Massachusetts and California Air National Guards as a flight surgeon with F-15 and F-16 fighter squadrons. He has conducted research on aerospace medicine that was published with NASA, with which he was a finalist for astronaut selection.

Following medical school at Stanford, Dr. Kraft was board certified in internal medicine and pediatrics after completing a residency at Massachusetts General Hospital and Boston Children’s Hospital. He then completed fellowships in hematology, oncology, and bone marrow transplantation at Stanford. He is a member of the inaugural class of the Aspen Institute Health Innovators Fellowship.

ASN to Bestow Scribner Award on Jonathan Himmelfarb



Jonathan Himmelfarb, MD, FASN

The Belding H. Scribner Award will be tendered on Saturday, November 6, to Jonathan Himmelfarb, MD, FASN, for his career-long contributions to the practice of nephrology. Dr. Himmelfarb is professor of medicine, adjunct professor of bioengineering, director of the Kidney Research Institute, and co-director of the Center for Dialysis Innovation at the University of Washington in Seattle. He also holds the Joseph W. Eschbach, MD, Endowed Chair in Kidney Research.

Established in 1995, the Belding H. Scribner Award is presented to individuals who have made outstanding contributions to the care of patients with kidney disorders or have substantially influenced the clinical practice of nephrology. Dr. Himmelfarb’s research and clinical achievements are internationally recognized, and he has been a forceful advocate for patient well-being and improving kidney care.

As the inaugural director of the Kidney Research Institute, Dr. Himmelfarb built a successful clinical and translational research program. He led efforts to engage patients as participants in the design of research and mentored physician-scientists conducting groundbreaking clinical and basic research.

Dr. Himmelfarb’s research, which has led to 320 highly cited scientific publications, has propelled major advances in care. He was one of the first to investigate adverse effects from the use of bioincompatible cellulosic hemodialysis membranes. In a series of seminal publications, he improved the understanding of how the loss of kidney function directly contributes to increased oxidative stress, inflammation, insulin resistance, endothelial dysfunction, and cardiovascular risk. His landmark studies of the epidemiology of acute kidney injury helped change its treatment.

Dr. Himmelfarb helped develop microphysiological systems for kidney disease modeling, drug efficacy testing, and toxicity testing. He co-founded the Center for Dialysis Innovation, which has brought together dialysis innovators from around the world to create substantial technical progress. He is currently the principal investigator of the Kidney Precision Medicine Project, which is using deep molecular phenotypes of kidney biopsies along with longitudinally collected clinical phenotypic data to develop new disease ontologies, disease classification systems, and treatments for acute kidney injury and chronic kidney disease.

Dr. Himmelfarb has held a number of significant positions nationally, serving ASN in many capacities, including as president. His advocacy efforts for the care of patients with kidney disease include chairing the Dialysis Advisory Group, chairing the ASN Public Policy Board, and co-chairing the ASN Diversity and Inclusion Committee.

He is a former associate editor of *JASN* and has served on the editorial boards of *JASN*, *CJASN*, *Kidney International*, *Nature Reviews Nephrology*, and *BMC Medicine*. He has served on expert panels for the US Food and Drug Administration, Veterans Health Administration, and other organizations and has held leadership roles on National Institutes of Health steering committees.

Dr. Himmelfarb received his medical degree from the George Washington University School of Medicine & Health Sciences, followed by a residency at Maine Medical Center and a nephrology fellowship at Brigham and Women’s Hospital.

Joanne M. Bargman to Be Given Robert G. Narins Award for Contributions in Education



Joanne M. Bargman, MD

Joanne M. Bargman, MD, will receive the Robert G. Narins Award on Saturday, November 6, for her many efforts in education and training of the next generation of nephrologists. Dr. Bargman is a staff nephrologist at the University Health Network and professor of medicine at the University of Toronto, from which she received her MD followed by a clinical fellowship in nephrology at Stanford University.

Since arriving at the University of Toronto in 1986, she has led nephrology education for undergraduate medical students, core internal medicine, and the postgraduate training program. She previously chaired the departmental educational committee at Toronto General Hospital.

In the past 27 years under her leadership, the Division of Nephrology has trained more than 400 nephrologists from over 40 countries. She built her university’s nephrology training program into one of the largest in the world and has influenced future leaders in nephrology across several continents.

Dr. Bargman has provided training in peritoneal dialysis to more than 50 nephrologists from leading programs across Canada. Her worldwide impact has been substantial and continues through her connections with her former trainees. She is on the editorial boards of *CJASN* and *Peritoneal Dialysis International* and is an associate editor of *JASN*. Dr. Bargman is co-author of the chapter on chronic kidney disease in recent editions of *Harrison’s Principles of Internal Medicine*.

She has delivered more than 800 invited lectures internationally on subjects as diverse as peritoneal dialysis, glomerulonephritis, and management of lupus. She is also director of peritoneal dialysis for the University Health Network in Toronto, past president of the International Society for Peritoneal Dialysis, and co-director of the renal-rheumatology lupus clinic for the University Health Network.

In recognition of her teaching, Dr. Bargman won the “Silver Shovel,” given by the graduating medical class of the University of Toronto to the best undergraduate lecturer. The University of Toronto faculty of medicine presented her with its award for the best teacher in the postgraduate program, and the Canadian Society of Nephrology gave her its award for teaching excellence.