advancing innovation + discovery

Duke Health Named Professorships
DUKE HEALTH

Endowed professorships are the highest academic honor that the Duke University School of Medicine or School of Nursing can bestow upon a faculty member. These prestigious positions honor our most accomplished physician-and nurse-scientists and clinicians. They celebrate those who demonstrate extraordinary achievement in advancing scholarship, science, and human health. And perhaps most importantly, they nurture innovation, discovery, and the expansion of the boundaries of knowledge.

As we seek to shape the future of health and health care at Duke Health, we are making endowed professorships a foundational priority. Philanthropic efforts to establish endowed professorships are gifts that last forever. Once inaugurated, they continue in perpetuity, passing in time from one exceptional faculty member to the next. Every endowed professorship is both a profound honor for the faculty member who holds it and a meaningful legacy to the visionary benefactor who establishes it.

That legacy is evident in the pages that follow, as we profile our philanthropic partners who have generously invested in endowed professorships at Duke Health. They have demonstrated their commitment by empowering our acclaimed faculty, our sharpest minds, and most visionary researchers and educators to take on the most pressing health challenges and pursue promising scientific opportunities here and around the world. Great universities succeed on the strength of the partnerships they form with their supporters and benefactors. Everyone who establishes an endowed professorship at Duke Health joins with us in our mission to deliver tomorrow’s health care today, accelerate research and its translation, and create education that is transforming.

We are deeply grateful for these partners, who, as you will read, have propelled our professors and our institution to even greater heights of excellence and impact.

We are truly Advancing Health Together.

Sincerely,
A. Eugene Washington, MD, MSc
Chancellor for Health Affairs, Duke University
President and CEO, Duke University Health System
Because of our outstanding faculty, Duke University School of Medicine is alive with innovation and progress, a place where advances in research and patient care are made, and health care leaders of today teach and train those of tomorrow.

As evidenced by the faculty profiled in this book, Duke is home to individuals recognized for their efforts to transform medicine and health through pioneering scientific research and the translation of breakthrough discoveries to the most advanced care for patients. It is home to the most skilled and compassionate physicians and to passionate educators and mentors who guide our students and trainees.

At Duke, we aim to be the destination of choice for the nation’s most talented leaders and promising young faculty in biomedical sciences. Endowed professorships are perhaps the most valuable tool for the recruitment and retention of these high caliber individuals.

As you see in the faculty profiled here, endowed professorships provide the brightest minds with the dedicated support needed to achieve boundary-pushing science, care for our patients and the community, and educate and train the next generation of leaders. Endowed professorships are among the most far-reaching philanthropic investments one can make. We are profoundly grateful to the many donors who have joined with us to advance the bounds of knowledge.

Mary E. Klotman, MD
Dean, Duke University School of Medicine
Vice Chancellor for Health Affairs, Duke University School of Medicine

Mary E. Klotman, MD
Robert J. Lefkowitz, MD, was on track to spend his career as a clinical physician when the call of the laboratory became too insistent to resist. After his first six months as a senior resident at Massachusetts General Hospital, he broke from the customary path and returned to research, which he had gotten a taste for during two years at the National Institutes of Health. While he has spent the majority of his 45-year professional career in the lab at Duke, he continued to make clinical teaching rounds for decades and still holds an active medical license. His research on cell surface receptors earned him the 2012 Nobel Prize in Chemistry, the first ever awarded to a Duke faculty member.

Lefkowitz won the Nobel Prize for his seminal discoveries on G protein-coupled receptors, which detect a huge variety of stimuli outside the cell membrane and transmit signals to a G protein inside it, allowing the cell to respond appropriately. Because this process is involved in numerous diseases, G protein-coupled receptors are a target for more than a third of all modern pharmaceutical drugs.

In addition to his research, Lefkowitz is renowned as a mentor. More than 200 graduate students and postdocs—including Brian Kobilka, now at Stanford, with whom he shared the Nobel Prize—have learned under Lefkowitz’s tutelage. And they still do, as he continues to explore the secrets of receptors because, as he once said, in science “there’s always a new detail to discover. It’s like peeling an onion.”
When Paul L. Modrich, PhD, was growing up in New Mexico, his father, a local high school biology teacher, told him, “You should learn about this DNA stuff, because it’s really interesting.” Rarely has a father’s advice been so thoroughly embraced: Modrich has spent his entire career studying “this DNA stuff,” and he’s done it so exceptionally that in 2015 he was one of three researchers to share the Nobel Prize in Chemistry.

Modrich came to Duke in 1976 from the University of California at Berkeley and says he felt at home right away in a small department with an exceptional and collegial faculty. He carried on his research and won the Nobel Prize for some four decades of investigation into how cells repair errors that occur in DNA as chromosomes replicate. Errors in the genetic code frequently transpire during replication within the body’s 10 trillion cells. These errors are recognized and corrected by mismatch repair (MMR), and Modrich showed how this works.

His basic science research turned out to have significant implications for human health, as Modrich and others showed that defects in the MMR system are the cause of one of the most common forms of hereditary cancer and play a central role in the development of certain sporadic tumors as well. “Science moves in little steps,” Modrich says, “and you don’t always know where you’ll end up when you set out.”
Distinguished Professor of Anesthesiology

GIVEN BY DUKE UNIVERSITY
Duke University established this professorship in 2005 to support a faculty member in the Department of Anesthesiology.

RU-RONG JI, PHD
Distinguished Professor of Anesthesiology

Additional Appointments and Affiliations
- Professor of Anesthesiology
- Professor in Neurobiology

Education and Training
- Postdoctoral Fellow, Peking University
- Postdoctoral Fellow, Karolinska Institute
- Postdoctoral Fellow, Johns Hopkins School of Medicine
- PhD, Chinese Academy of Sciences

Selected Awards and Honors
- Outstanding Research Award, Nature Publishing Group SciCafé
- Transformative Research Award, National Institutes of Health (NIH)
- Basis Research Advances Award, NIH
- Plenary lecture speaker, 14th World Congress on Pain, Milan, Italy
- Speaker, NIH Pain Consortium
- Dean’s List of Noteworthy Professors, Duke University School of Medicine

Areas of Interest
Ji’s lab researches issues pertaining to chronic pain, a major health problem affecting 100 million Americans. Long-term goals of the lab are to identify molecular and cellular mechanisms that underlie the genesis of chronic pain and to develop novel pain therapeutics to target these mechanisms. Ji’s multidisciplinary approach covers in vitro, ex vivo, and in vivo electrophysiology; neuronal and glial cell biology; transgenic mice; and behaviors. In particular, Ji studies how non-neuronal cells such as glial cells, stem cells, and cancer cells regulate pain via interactions with nociceptive neurons.

David S. Warner
Distinguished Professor of Anesthesiology

Additional Appointments and Affiliations
- Professor of Anesthesiology
- Professor in Neurobiology
- Professor of Surgery
- Faculty Network Member, Duke Institute for Brain Sciences
- Vice Chair, Research, Department of Anesthesiology
- Chief, Division of Basic Sciences, Department of Anesthesiology

Education and Training
- MD, University of Wisconsin–Madison

Selected Awards and Honors
- Award for Translational Research Mentoring, Duke University School of Medicine
- Award for Mentoring Excellence in Research, Foundation for Anesthesia Education and Research, American Society of Anesthesiologists
- Distinguished Alumnus Award for Achievement, University of Iowa Carver College of Medicine
- Distinguished Service Award, Society for Neurosciences in Anesthesiology and Critical Care
- Neuroscience Award, Associazione per la Diffusione e l'Avanzamento delle Neuroscienze Toscane
- Teacher of the Year, Department of Anesthesiology, Duke University Medical Center
- Excellence in Research, American Society of Anesthesiologists

Areas of Interest
Warner’s lab is dedicated to examining the pathophysiology of acute brain and spinal cord injury with particular reference to disease states managed in the perioperative or neurointensive care environments. The lab has established rodent recovery models of cerebral ischemia, traumatic brain injury, cardiopulmonary bypass, subarachnoid hemorrhage, spinal cord ischemia, and periinal hypoxia, with requisite control of relevant physiologic variables. Warner’s experimental protocols examine the response of the brain to these insults and seek to define appropriate therapeutic interventions.
Robert C. Atkins, MD, and Veronica Atkins Professor of Pediatrics

GIVEN BY THE DR. ROBERT C. AND VERONICA ATKINS FOUNDATION

Robert C. Atkins, MD, founded and was medical chair of the Atkins Center for Complementary Medicine and author of Dr. Atkins’ New Diet Revolution, a New York Times bestseller for nearly six years. The Atkins Foundation funds independent scientific research examining the role of metabolism and nutrition in obesity, diabetes, cancer, heart disease, Alzheimer’s disease, and other serious health problems. Atkins died in 2003.

MICHAEL S. FREEMARK, MD

Robert C. Atkins, MD, and Veronica Atkins Professor of Pediatrics

Additional Appointments and Affiliations
- Professor of Pediatrics
- Chief, Division of Pediatric Endocrinology and Diabetes
- Member, Duke Molecular Physiology Institute
- Affiliate, Duke Global Health Institute

Education and Training
- MD, Duke University School of Medicine

Selected Awards and Honors
- Golden Apple Award for outstanding resident teaching, Duke University School of Medicine
- Michael M. Frank Research Award, Department of Pediatrics
- Faculty Mentor Award, Department of Pediatrics
- Editor, Pediatric Obesity: Etiology, Pathogenesis and Treatment (second edition)

Areas of Interest
Freemark’s basic research elucidates the roles of placental and fetal hormones in the regulation of maternal metabolism and fetal growth, focusing on lactogenic hormones produced by the pituitary gland and placenta. He has a clinical research interest in the pathogenesis and treatment of obesity and hyperlipidemia, and in prevention of Type 2 diabetes mellitus. Freemark has also pioneered research on Prader-Willi syndrome, a genetic obesity disorder. His work in global health has included detailed studies of endocrine function and metabolism in malnourished children in Uganda and the effects of concurrent HIV infection on nutritional recovery.

Virginia Flowers Baker Professor of Orthopaedic Surgery

GIVEN BY LENOX D. BAKER, ROBERT FLOWERS BAKER, AND LENOX D. BAKER JR.

Lenox D. Baker, MD, was a member of Duke University School of Medicine’s first four-year graduating class in 1934. After training in orthopaedics at Johns Hopkins, he returned to Duke as an assistant professor of orthopaedic surgery and then chief of the Division of Orthopaedic Surgery. Baker led the establishment of the North Carolina Cerebral Palsy Hospital (now the Lenox Baker Children’s Hospital), and served as medical director until his retirement. Baker and his sons established this endowment in memory of their wife and mother, Virginia Flowers Baker, daughter of Duke University President Robert Lee Flowers.

JAMES R. URBANIAK, MD

Virginia Flowers Baker Professor of Orthopaedic Surgery

Additional Appointments and Affiliations
- Professor of Orthopaedic Surgery

Education and Training
- Resident, Duke University School of Medicine
- MD, Duke University School of Medicine

Selected Awards and Honors
- Past President, American Orthopaedic Association, American Board of Orthopaedic Surgery, International Federation for Surgery of the Hand, American Society for Reconstructive Microsurgery
- Distinguished Faculty Award, Duke University School of Medicine
- Distinguished Lifetime Award, American Orthopaedic Association
- William Anylan Lifetime Achievement Award, Duke Medical Alumni Association

Areas of Interest
Urbaniak’s research interests include preventing the no-reflow phenomenon in microvascular reconstruction, particularly as it pertains to traumatic replantation of amputated limbs, and treatment of avascular necrosis of the femoral head. His team has demonstrated that vascularized fibular bone grafting is superior to core decompression or nonvascularized bone grafting to address this condition.
GIVEN BY RICHARD G. AND KIT BARKHouser

A native of Arkansas, Richard G. Barkhouser served in the U.S. Navy, held a chartered accountant degree from the University of Madrid, and was president of Barkhouser Ford in Danville, Virginia. He and his wife, Kit, generously supported glaucoma research through the Barkhouser Clinical Research Unit, the Albert Eye Research Institute, and the fund for the Duke Eye Center clinical expansion. Barkhouser was chair emeritus of the Eye Center Advisory Board. He died in 2016. This endowment was established in 2007 and supports a professor in the field of glaucoma.

PONUGOTI VASANTHA RAO, PHD

Richard and Kit Barkhouser Professor of Ophthalmology

Additional Appointments and Affiliations
- Professor of Ophthalmology
- Professor in Pharmacology and Cancer Biology

Education and Training
- PhD, Osmania University

Selected Awards and Honors
- Master Clinician Teacher Award, Duke University School of Medicine
- Lew R. Wasserman Merit Award, Research to Prevent Blindness
- Cataract Research Award, National Foundation for Eye Research
- Dr. Roger Vogel Award for Pharmaceutical Research, ARVO Foundation for Eye Research

Areas of Interest
Rao’s research focuses on identifying the molecular mechanisms regulating aqueous humor outflow through the trabecular meshwork, and ocular lens architecture and clarity, and the etiology of glaucoma and cataract. His laboratory demonstrated that Rho kinase is a therapeutic target for lowering intraocular pressure and led to the development of Rho kinase targeted mechanism-based new drugs for treating glaucoma.

GIVEN BY FRIENDS OF FRANK BASSETT AND DUKE UNIVERSITY

Bassett earned bachelor’s and master’s degrees from the University of Kentucky, where he played football under legendary head coach Paul “Bear” Bryant. He joined the Duke Medical Center in 1963. He served as team physician from 1966 to 1993 in several capacities, including director of the sports medicine center, head team physician for Duke Athletics, and professor of orthopaedic surgery. Upon his retirement, Bassett was inducted into the Duke Sports Hall of Fame. He also was a founding member of the American Orthopaedic Society for Sports Medicine. This endowment was established in 2004 in his honor. Bassett died in 2007.

LOUIS E. DEFrate, SCD

Frank H. Bassett III, MD, Associate Professor of Orthopaedic Surgery

Additional Appointments and Affiliations
- Associate Professor in Orthopaedic Surgery
- Associate Professor in the Department of Mechanical Engineering and Material Science, Pratt School of Engineering
- Associate Professor in the Department of Biomedical Engineering, Pratt School of Engineering
- Affiliate, Regeneration Next Initiative

Education and Training
- ScD, Massachusetts Institute of Technology

Selected Awards and Honors
- Kappa Delta Young Investigator Award, American Academy of Orthopaedic Surgeons and the Orthopaedic Research Society

Areas of Interest
DeFrate’s laboratory applies engineering principles to study problems involving the musculoskeletal system. His team uses a variety of techniques—including advanced radiographic and magnetic resonance imaging (MRI), development of volumetric models of joints and soft tissue structures from 3D MRI scans, optical motion analysis, and high-speed biplanar radiographs—to conduct full-spectrum analysis of joint biomechanical health.
Joseph W. Beard, MD, joined Duke’s faculty in 1937. In 1938, his research group—including his wife, Dorothy W. Beard, a Vanderbilt School of Nursing alumna—developed the first usable equine encephalomyelitis vaccine, and identified viruses that cause leukemia in chickens. They were also the first to report tangible evidence of viruses associated with human leukemia. Joseph Beard was named a James B. Duke Professor of Surgery in 1946 and a professor of virology in 1965. Duke University established this professorship to honor the Beards and the couple contributed through their estate plans.

**BRUCE A. SULLENGER, PHD**
Joseph W. and Dorothy W. Beard Professor of Experimental Surgery

**Additional Appointments and Affiliations**
- Professor of Surgery
- Associate Professor in Molecular Genetics and Microbiology
- Professor of Pharmacology and Cancer Biology
- Member, Duke Cancer Institute
- Director, Duke Center for Translational Research

**Education and Training**
- PhD, Cornell University

**Selected Awards and Honors**
- Fellow, American Association for the Advancement of Science

**Areas of Interest**
The main focus of Sullenger’s translational research laboratory is developing RNA-based therapeutic agents for potential treatment of a range of diseases. The lab works closely with members of the Molecular Therapeutics Program as well as other faculty at Duke University Medical Center to expedite the development and testing of these therapeutics.

**KENT J. WEINHOLD, PHD**
Joseph W. and Dorothy W. Beard Professor of Surgery

**Additional Appointments and Affiliations**
- Chief, Division of Surgical Sciences
- Professor of Surgery
- Professor of Immunology
- Professor in Pathology
- Director, Duke Center for AIDS Research
- Director, Duke Immune Profiling Core
- Member, Duke Human Vaccine Institute
- Member, Duke Cancer Institute

**Education and Training**
- PhD, Thomas Jefferson University

**Selected Awards and Honors**
- Distinguished Alumnus Award, Thomas Jefferson University, College of Graduate Studies

**Areas of Interest**
Weinhold’s laboratory, which has conducted HIV/AIDS-related research since 1984, is also working to identify immunologic signatures that predict disease outcomes in clinical areas such as cancer, autoimmune diseases, pulmonary disease, solid organ transplantation, and rare diseases. Through his leadership of the Duke Immune Profiling Core, Weinhold is actively engaged in comprehensive evaluation of novel cancer immunotherapies, including immune checkpoint blockade, therapeutic vaccines, and oncolytic virus strategies.
EPONYMOUS

Mary Hare Bernheim, PhD, earned undergraduate, master’s, and doctoral degrees from the University of Cambridge. While a graduate student, she discovered an enzyme that was found to play a significant role in mood regulation. Bernheim joined the original faculty of Duke University School of Medicine in 1930, and—the lone woman in the Department of Biochemistry—was named full professor in 1962. At the time of her death in 1997, she was the last surviving member of the original medical school faculty. An enthuisiastic aviator, she authored the book A Sky of My Own, which was nominated in 1959 by the North Carolina Board of Awards for literary competitions.

SUE JINKS-ROBERTSON, PHD

Mary Bernheim Professor of Molecular Genetics and Microbiology

Additional Appointments and Affiliations
- Professor of Molecular Genetics and Microbiology
- Co-Vice Chair, Department of Molecular Genetics and Microbiology
- Director, Cell and Molecular Biology Graduate Training Program
- Member, Duke Cancer Institute

Education and Training
- PhD, University of Wisconsin, Madison

Selected Awards and Honors
- Member, National Academy of Sciences
- Fellow, American Association for the Advancement of Science
- Fellow, American Academy of Microbiology
- Associate Editor, DNA Repair
- Associate Editor, PLoS Genetics
- Past treasurer and board member, Genetics Society of America

Areas of Interest
Jinks-Robertson’s research focuses on the regulation of genetic stability and primarily uses budding yeast (Saccharomyces cerevisiae) as a model genetic system. The two major research goals in the budding yeast system are (1) defining molecular mechanisms of mitotic recombination and (2) discovering the biological sources of distinct mutation signatures. Both are relevant to understanding the sources of genetic instability that promote the development of cancer. She also has initiated studies of mutagenesis in the pathogenic fungus Cryptococcus neoformans. Jinks-Robertson has found that a shift to the human body temperature mobilizes transposable elements and suggest that this promotes rapid adaptation to the harsh human-host environment.
W. Lester Brooks Jr., MD, was a 1947 graduate of Duke University School of Medicine. After continuing his training at the Medical College of Virginia and at University Hospitals in Cleveland, Brooks and his wife, Patty, moved to Charlotte, North Carolina, where he established a private practice as a family physician. In retirement, he established the Brooks Laboratory for Back Pain Research at Carolinas Medical Center in Charlotte. In 2003, the Brookses established this endowment to support a faculty member in the field of rheumatology. W. Lester Brooks died in January 2012.

E. WILLIAM ST. CLAIR, MD

W. Lester Brooks Jr. Professor of Medicine

Additional Appointments and Affiliations
- Professor of Medicine
- Professor in Immunology
- Chief, Division of Rheumatology and Immunology

Education and Training
- Fellow, Rheumatology, Duke University School of Medicine
- Chief Resident, Medicine, Duke University School of Medicine
- Resident, Medicine, Duke University School of Medicine
- MD, West Virginia University

Selected Awards and Honors
- Member, Alpha Omega Alpha Honor Medical Society

Areas of Interest
St. Clair’s research focuses on the development of novel therapies for autoimmune disease, including primary Sjögren’s syndrome, rheumatoid arthritis, and systemic vasculitis. His major areas of interest are directed toward defining mechanisms of treatment response. St. Clair has served as a consultant for several pharmaceutical companies developing new therapies for autoimmune disease and on National Institutes of Health (NIH) study sections for applications related to clinical trials testing new immune-based therapies. He is deputy director of the Immune Tolerance Network, an NIH-funded international consortium dedicated to development of tolerance-inducing therapies for autoimmune disease, transplantation, and allergy. He also has been a Principal Investigator for the Duke Autoimmunity Center of Excellence.

George W. Brumley Jr., MD, Assistant Professor

George W. Brumley Jr., MD, founded Duke’s Division of Neonatology in 1972 and served as its co-director until 1981. He and his wife, Jean Stanback Brumley, created the Zeist Foundation to teach their children the importance of philanthropy. With Ronald Goldberg, MD, chief of Duke’s Division of Neonatology, Brumley established the Jean and George Brumley Jr. Neonatal-Perinatal Research Institute at Duke to focus on medical issues affecting premature infants, sick newborns, and at-risk pregnant women. In 2003, both George and Jean Brumley tragically died in a plane crash. This endowment was established in 2006 in their memory.

ERIC J. BENNER, MD, PHD

George W. Brumley Jr., MD, Assistant Professor

Additional Appointments and Affiliations
- Assistant Professor of Pediatrics, Neonatology

Education and Training
- Fellow, Neonatology, Duke University School of Medicine
- Resident, Pediatrics, University of North Carolina at Chapel Hill
- MD, University of Nebraska College of Medicine
- PhD, University of Nebraska Omaha

Selected Awards and Honors
- Scholars Award, Duke University

Areas of Interest
Benner’s research focuses on improving the survival and quality of life of high-risk neonates. His primary interest is perinatal brain injuries affecting both premature and full-term infants, including damage to white matter (myelin). Benner aims to better understand molecular mechanisms governing aspects of myelin development, and to develop strategies to restore myelination after injury. Toward these goals, his laboratory investigates intracellular and extracellular changes in the neural stem cell niche after injuries that lead to myelin damage. The lab developed and is using an innovative magnetic-field technology to create strategies to alter the activity of targeted neural circuits both in utero and postnatally, to better understand the impact of altered activity on myelin maturation.
the Ruth K. Broad Biomedical Research Foundation, Inc., from its inception in 1988 until his death in 2016. The Foundation honors the memory of Ruth K. Broad, Morris Broad’s mother, and aims to expand knowledge to understand the causes of Alzheimer’s disease and work toward a cure by funding research in the neurosciences.

In the early 1990s, the Foundation became a support corporation of Duke University. It is managed through the office of Duke Health Development and Alumni Affairs, and the board of directors is made up of Broad family members, physicians and scientists, and Duke advisors.

When Morris passed away, the directors of the Ruth K. Broad Foundation felt strongly that there should be a lasting tribute to him at Duke to honor his dedication to fighting Alzheimer’s disease. As such, the Broad professorship was endowed with assets from the Ruth K. Broad Foundation. Additionally, Morris’s sister, Ann Bussel, and Ann’s children, Deborah Bussel, Karen Berman, John Bussel, and Dan Bussel, directed a gift from the Shepard Broad Foundation to Duke to help co-create the professorship. The Shepard Broad Foundation, of which Morris Broad was chairman for many years, was created by Morris and Ann’s father, Shepard Broad, and has provided philanthropic support to hospitals, universities, and other charities throughout Florida and elsewhere.

“The combined efforts of the Ruth K. Broad Foundation and the Shepard Broad Foundation to provide support for an exceptional neuroscience researcher at Duke would have pleased my brother greatly,” says Morris’s sister Ann Bussel. “He was a wonderful brother, and I’m so glad we could do this for him.”
GIVEN BY RUTH K. BROAD BIOMEDICAL RESEARCH FOUNDATION AND THE SHEPARD BROAD FOUNDATION

FAN WANG, PHD
Morris N. Broad Distinguished Professor of Neuroscience

Additional Appointments and Affiliations
- Professor of Neurobiology
- Faculty Network Member, Duke Institute for Brain Sciences
- Affiliate, Regeneration Next Initiative

Education and Training
- Postdoctoral Fellow, University of California, San Francisco and Stanford University
- PhD, Columbia University

Selected Awards and Honors
- Fellow, American Association for the Advancement of Science
- Sloan Research Fellowship-Neuroscience, Alfred P. Sloan Foundation
- Klingenstein Fellow in Neuroscience, Klingenstein Foundation
- McKnight Neuroscience Scholar Award, McKnight Endowment Fund for Neuroscience
- Director’s Pioneer Award, National Institutes of Health

Areas of Interest
Wang’s research aims to understand neural mechanisms that transform tactile or painful stimuli into percepts and movements, with emphasis on “active” sensation. A key facet of her research program centers on inventing powerful methods to identify and perturb these neural circuits. Wang exploited a molecular system that she developed for retrograde trans-synaptic transport of markers to create remarkable sensorimotor circuit diagrams. She also revealed a dual amino-acid and opioid-peptide transmitter descending system that plays critical anti-pain functions in the spinal cord and, using a system she invented called CANE (Capturing Activated Neural Ensembles), discovered a unique neural connection underlying heightened emotional responses to head and face pain. Wang is also using CANE to reveal how the brain controls the conscious versus unconscious state.

GIVEN BY DUKE UNIVERSITY

This endowment was established in 1997 by the Department of Radiation Oncology under the direction of then-chair Edward C. Halperin, MD. Its intent was to encourage and support women and under-represented populations in radiation oncology. The endowment honors the memory of two individuals who were important to the Duke Radiation Oncology team: Alisa Butler, radiation therapist, and Lucille Harris, licensed practical nurse.

YVONNE M. MOWERY, MD, PHD
Butler-Harris Assistant Professor of Radiation Oncology

Additional Appointments and Affiliations
- Assistant Professor of Radiation Oncology
- Member, Duke Cancer Institute

Education and Training
- Resident, Radiation Oncology, Duke University School of Medicine
- Intern, Internal Medicine, Duke University School of Medicine
- MD, Duke University School of Medicine
- PhD, Duke University School of Medicine

Selected Awards and Honors
- Physician-Scientist Strong Start Award, Duke University School of Medicine
- Young Investigator Award, Conquer Cancer Foundation
- Member, Robert J. Lefkowitz Society
- Citizens Advisory Council Young Investigator Award, Duke Comprehensive Cancer Center
- Member, Alpha Omega Alpha Honor Medical Society
- Recipient, Barry Goldwater Scholarship
- Jefferson Scholar, University of Virginia

Areas of Interest
Mowery is actively engaged in preclinical, translational, and clinical cancer research. Her laboratory is working to develop new mouse models of oral cavity cancer and to understand interactions between radiation therapy and immunotherapy. She is the principal investigator of a clinical trial evaluating financial toxicity for patients undergoing head and neck radiotherapy, and a co-investigator for a chemoradiation-dose de-escalation trial for HPV-related oropharynx cancer. Mowery also is the radiation oncology principal investigator for an international phase 2 trial investigating the combination of the immune-checkpoint inhibitor pembrolizumab and radiation therapy for high-risk soft tissue sarcoma of the extremity.
J. Lamar Callaway Professor of Dermatology

J. Lamar Callaway, MD, was a member of Duke University School of Medicine’s second graduating class. He joined the faculty as its first dermatologist and later became the Division of Dermatology’s first chief. Named a James B. Duke Professor in 1967, Callaway served as division chief until 1975. Callaway was president of the American Academy of Dermatology, the American Dermatological Association, the American Board of Dermatology, and the Society of Investigative Dermatology. He also received the American Academy of Dermatology Gold Medal. This professorship was established by former Duke dermatology residents, colleagues, and friends.

RUSSELL P. HALL III, MD
J. Lamar Callaway Professor of Dermatology

Additional Appointments and Affiliations
- Chair, Department of Dermatology
- Professor of Dermatology
- Professor of Immunology

Education and Training
- Resident, Dermatology, Johns Hopkins University School of Medicine
- Resident, Dermatology, Clinical Center, National Institutes of Health
- Intern, Dermatology, University of Missouri School of Medicine
- MD, University of Missouri

Selected Awards and Honors
- Lifetime Achievement Award, Medical Dermatology Society
- President, Society for Investigative Dermatology
- Distinguished Service Award, University of Missouri School of Medicine

Areas of Interest
Hall’s laboratory investigates the pathogenesis of autoimmune blistering skin diseases. Areas of special expertise include immune-mediated skin diseases, especially primary blistering disorders. His lab’s current investigations focus on B-cell-directed therapy of these disorders and the role of B-cells and auto-antibodies in their pathogenesis.

Richard Hall Chaney Sr. Professor of Otolaryngology

Richard Hall Chaney Sr. Professor of Otolaryngology

Additional Appointments and Affiliations
- Chair, Department of Head and Neck Surgery & Communication Sciences
- Professor of Surgery

Education and Training
- Fellow, Neurotology and Skull Base Surgery, Otolaryngology Head and Neck Surgery, Johns Hopkins University School of Medicine
- Resident, Otolaryngology Head and Neck Surgery, Johns Hopkins University School of Medicine
- MBA, Johns Hopkins University
- MD, Harvard Medical School

Selected Awards and Honors
- Regional Top Doctor, Castle Connolly
- George T. Nager, MD Award for Excellence in Teaching
- Member, Otolaryngology Residency Review Committee, Accreditation Council for Graduate Medical Education
- Member, Board of Directors of the Alexander Graham Bell Association for the Deaf and Hard of Hearing
- Past President, Society of University Otolaryngologists
- Education Director, American Neurotological Society
- Member, editorial boards of the Cummings Otolaryngology Head and Neck Surgery Text, the World Journal of Otolaryngology-Head and Neck Surgery and Operative Techniques in Otolaryngology-Head and Neck Surgery

Areas of Interest
Francis is the chair of Duke’s new Department of Head and Neck Surgery & Communication Sciences. He is an ear surgeon with expertise in the management of hearing loss and balance and also specializes in infections and tumors that impact the ear and the skull base. As a clinical researcher, he has contributed new insights into the neurosensory mechanisms of hearing loss and repair, and his efforts have led to advances in the efficacy and safety of therapies for treating these disorders. By establishing his own international collaborations while also leading institutional global initiatives, he has endeavored to advance the delivery of care in the Caribbean, Africa, and Southeast Asia. He has also led an institutional effort to define new standards and methods for the assessment of surgical skills relating to the ear, which are guiding national policy and practice.
“While you find many endowed professorships in other departments at medical schools, there are very few in pediatrics.”

Y.T. CHEN, MD, PHD

HONORING A FAMILY CONNECTION

Y.T. Chen, MD, PhD, HS’78-79, had offers from several medical schools when it was time to do his residency, but it was an easy decision. His father, C.L. Chen, had fallen in love with Duke in the early 1950s when he served in the Department of Pediatrics as the School of Medicine’s first visiting fellow from Taiwan. His counsel was unequivocal. “He said, ‘Don’t even think about anywhere else. Just go to Duke,’” Chen recalls.

He did, completing his residency and soon thereafter accepting a faculty position in pediatrics. At Duke, Chen conducted painstaking research that ultimately resulted in the first effective treatment, now used worldwide, for Pompe disease, a rare and formerly fatal glycogen storage disease in infants.

Chen and his wife, Alice, have generously supported medical genetics research in the Department of Pediatrics with gifts including a professorship, an associate professorship, a fellowship, and an endowment to launch and operate the Y.T. and Alice Chen Pediatric Genetics and Genomics Research Center at Duke.

“Pompe disease is what is called an ‘orphan disease,’ one that affects fewer than 200,000 people worldwide,” says Chen. “In some ways, pediatrics is like an orphan department. While you find many endowed professorships in other departments at medical schools, there are very few in pediatrics. So I thought it was very important to establish one in pediatrics at Duke, especially in the medical genetics division.”

In 2011, the Chens marked his parents’ 70th wedding anniversary by renaming the professorship in their honor. Their connection to Duke, initiated by Chen’s father, is strong and lasting: both of their sons—Jerome, T’99, MHS’10, and Gerald, T’03, L’11—graduated from Duke. And there are signs that more Chens may follow the same path; when their first granddaughter, Olivia, was born, then-President Richard A. Brodhead sent a letter congratulating them and welcoming Olivia to “the Class of 2033.”

“We now have three generations with links to Duke, and the fourth may be on the way,” Chen says. “So with all those connections, when we started to think about how we could give back, this was the first place we thought about.”
GIVEN BY Y.T. CHEN AND ALICE CHEN

PRIYA S. KISHNANI, MD, MBBS
C.L. and Su Chen Professor of Pediatrics

Additional Appointments and Affiliations
- Professor of Pediatrics
- Member, Duke Clinical Research Institute
- Chief, Division of Medical Genetics, Department of Pediatrics

Education and Training
- MBBS, University of Bombay
- DCH, College of Physicians and Surgeons of Bombay

Selected Awards and Honors
- Maxwell J. Schleiffer Distinguished Service Award, *Exceptional Parent* magazine
- Ruth and A. Morris Williams Jr. Faculty Research Prize, Duke University
- Christian Pueschel Memorial Research Award, National Down Syndrome Congress
- Dr. S.S. Agarwal Oration Award, Society for Indian Academy of Medical Genetics
- Rare Disease Hero Award in lysosomal disease, *Rare Disease Report*

Areas of Interest
Kishnani has dedicated the last 24 years to translating laboratory science into the clinical arena, with a focus on therapeutic interventions such as enzyme replacement therapy, RNA interference treatment approaches, and gene therapy. She has played a critical role in understanding antibodies and immune response in patients on therapeutic proteins. The care, treatment, and natural history of individuals with lysosomal storage disorders, glycogen storage diseases, Down syndrome, hypophosphatasia, and other inborn errors of metabolism remain her passions. She emphasizes comprehensive care for these chronic conditions via a multidisciplinary team approach. Kishnani’s research on treatment strategies, examination of long-term complications, and clinical trials is widely published. She played an important role in adding Pompe disease to the Recommended Uniform Screening Panel for newborn screening in the United States. Her team is internationally recognized for contributions to the field of Pompe disease, Down syndrome, and other lysosomal storage diseases.

GIVEN BY FRIENDS OF JAMES AND ALICE CHEN

James and Alice Chen Professor of Radiology

Edward F. Patz Jr.

James Chen, MD, was a professor in Duke’s Department of Radiology, director of its basic clinical clerkship from 1983 to 1986, and director of the Cardiopulmonary Radiology Service from 1976 to 2002. Chen was a four-time winner of the Department of Radiology Teacher of the Year Award and a 1990 recipient of both the Duke Medical Alumni Association’s Distinguished Teaching Award and the Thomas D. Kinney, MD, Teaching Award. This professorship was established in 2002 by patients, friends, and colleagues to honor Chen and his wife, Alice.

Chen died in 2006.

EDWARD F. PATZ JR., MD
James and Alice Chen Professor of Radiology

Additional Appointments and Affiliations
- Professor of Radiology
- Professor in Pathology
- Professor in Pharmacology and Cancer Biology
- Member, Duke Cancer Institute

Education and Training
- Thoracic Imaging Fellow, Brigham and Women’s Hospital, Harvard University
- Chief Resident, Radiology, Brigham and Women’s Hospital, Harvard University
- Resident, Radiology, Brigham and Women’s Hospital, Harvard University
- Intern, Medicine, Brigham and Women’s Hospital, Brockton Veterans Affairs Medical Center
- MD, University of Maryland School of Medicine

Selected Awards and Honors
- Distinguished Investigator, Academy of Radiology Research
- Member, Fleischner Society

Areas of Interest
Patz is a clinician-scientist whose interests include early detection of lung cancer, molecular diagnostics, and novel therapeutic strategies. He has participated in numerous clinical trials including the National Lung Cancer Screening Trial. For more than 20 years, he has been principal investigator of a basic science laboratory that currently explores clonal evolution of tumors, biomarkers for early detection, and the role of inflammation in cancer.
GIVEN BY FRIENDS OF JAMES R. CLAPP

Duke University alumnus James R. Clapp, MD, earned a medical degree from the University of North Carolina at Chapel Hill. After completing an internship and residency at the University of Texas Southwestern Medical Center, and a postdoctoral research fellowship with the U.S. Public Health Service, he was an investigator at the National Heart Institute. He returned to Duke as an associate professor in nephrology, focusing on kidney research and treating advanced kidney disease and hypertension. Clapp also was director of the Duke Center for Living’s Andrew G. Wallace, MD, Clinic and founding director of the Duke Executive Health Program. Upon his retirement, patients, friends, and colleagues honored him with this professorship.

THOMAS M. COFFMAN, MD

James R. Clapp Professor of Medicine

Additional Appointments and Affiliations

- Professor of Medicine
- Professor in Cell Biology
- Professor in Immunology
- Dean, Duke–NUS Medical School

Education and Training

- Fellow, Nephrology, Duke University School of Medicine
- Resident, Internal Medicine, Duke University School of Medicine
- MD, Ohio State University

Selected Awards and Honors

- Member, American Society for Clinical Investigation
- Member, Association of American Physicians
- Past President, American Society of Nephrology
- Ernest H. Starling Distinguished Lecture, American Physiological Society
- Excellence Award in Hypertension Research, Hypertension Council of the American Heart Association

Areas of Interest

Coffman’s laboratory is interested in mechanisms of kidney injury in disease states and the role of the kidney in regulation of blood pressure. His research addresses issues relevant to disorders such as hypertension, diabetic nephropathy, transplant rejection, and autoimmune diseases. He uses molecular genetic technology to develop and refine mouse models of these human diseases, with the objective of identifying new approaches to disease prevention and treatment.
EPONYMOUS

Durham native William A. Cleland, MD, dedicated his life to caring for children. He completed medical school at Howard University, followed by an internship at Freedmen’s Hospital in Washington, D.C. In 1936, with support from Dean Wilburt Davison, MD, of Duke’s School of Medicine and Clyde Donnell, MD, Cleland obtained a Julius Rosenwald Fund fellowship for specialty training in pediatrics at New York University. He then returned home to Durham, the first African American pediatrician in North Carolina. Cleland had a large private practice and ran four well-baby clinics for the Durham County Health Department.

GERALDINE DAWSON, PHD

William Cleland Distinguished Professor of Psychiatry and Behavioral Sciences

Additional Appointments and Affiliations

- Professor in Psychiatry and Behavioral Sciences
- Director, Duke Institute for Brain Sciences
- Director, Duke Center for Autism and Brain Development
- Professor in Pediatrics
- Professor of Psychology and Neuroscience, Trinity College of Arts and Sciences
- Affiliate, Center for Child and Family Policy, Sanford School of Public Policy
- Affiliate, Duke Global Health Institute

Education and Training

- PhD, University of Washington
- Intern, Developmental Disabilities, Neuropsychiatric Institute, UCLA

Selected Awards and Honors

- Lifetime Achievement Award, Association for Psychological Science
- Distinguished Career Award, Division 53, American Psychological Association
- Past President, International Society for Autism Research
- Fellow, Association for Psychological Science and the American Psychological Association

Areas of Interest

Dawson is a world-renowned research scientist and clinician focused on the early detection and treatment of autism spectrum disorder (ASD), early patterns of brain dysfunction in ASD, and the development of endophenotypes for ASD-related genetic studies. She pioneered the application of a biological perspective in autism research. Her research program defined the earliest manifestations of autism, including biomarkers for early detection before symptom onset. In collaboration with Sally Rogers, PhD, Dawson translated basic science findings into the development and empirical validation of an early intervention for ASD known as the Early Start Denver Model (ESDM), which is used worldwide. ESDM is the first comprehensive intervention for infants and toddlers with autism, and is one of two early intervention methods that are considered efficacious intervention methods by the Agency for Healthcare Research and Quality. Dawson’s work showing that ESDM treatment changes brain function in children with autism was recognized by Time magazine as one of the top 10 medical breakthroughs of 2012.
The opportunity to save and extend lives is so important that we as a society need to be as generous as we can in helping fund research activities.

KENNETH COATES

In 1995, in the wake of his wife Sandy’s death from metastatic breast cancer, Kenneth Coates and his teenage son and daughter made a gift in her memory to Duke cancer research. “The care that Sandy received and the effort that the doctors and staff made was outstanding. We couldn’t have asked the doctors and the nurses to do any more than they did,” Coates says. “We knew our gift wasn’t enough that the researchers were going to be able to cure cancer the next day, but our hope was that at least we’d be helping them make more rapid progress.”

In the early 2000s, in response to a challenge grant from another donor, Coates felt he could make a larger gift to endow an associate professorship.

Coates chose an endowed professorship because he wanted to be more than just a donor. “I wanted to feel a connection with a specific research effort, and I wanted to be a part of the process,” he says. Coates and his wife, Betsy, have met several times with Neil Spector, PhD, the holder of the professorship, both at Duke and at their home in California. “We get updates on what he’s doing and try to give him support, advice, and counsel. He is a really first-rate talent, and fully merits all that we can do to help him,” Coates says.

“It’s critically important that individuals give to institutions like Duke,” Coates says. “There’s never enough federal or other grant money to do the work that needs to be done. The opportunity to save and extend lives is so important that we as a society need to be as generous as we can in helping fund research activities.”
Sandra Coates
Associate Professor

Additional Appointments and Affiliations
- Associate Professor of Medicine, Medical Oncology
- Associate Professor of Pharmacology & Cancer Biology
- Member, Duke Cancer Institute

Education and Training
- Resident, Medicine, University of Texas Southwestern Medical Center
- Resident, Neurology, University of Texas Southwestern Medical Center
- Intern, Medicine, University of Texas Southwestern Medical Center
- MD, Rutgers New Jersey Medical School

Selected Awards and Honors
- National Director, Precision Oncology for the Veterans Health Administration
- Komen Scholar, Susan G. Komen
- R. Wayne Rundles Award for Excellence in Cancer Research, Duke University
- Wendell Rosse Teaching Award, Duke University

Areas of Interest
Spector’s work has focused on molecular mechanisms underlying therapeutic resistance to therapies targeting the Human Epidermal Growth Factor Receptor family of receptor tyrosine kinases that are involved in pathogenesis of breast cancer and other commonly occurring solid tumors. His work led to development and FDA approval of the drug lapatinib (Tykerb) for treatment of a particular type of advanced breast cancer, an example of how precision oncology can transform treatment of cancer patients and facilitate development of targeted cancer therapies. In addition, Spector’s work with Tim Haystead, PhD, professor of pharmacology and cancer biology, has led to identification of novel small molecules that target cell pathways involved in the earliest stages of tumorigenesis, providing an opportunity to prevent breast and other cancers in high-risk individuals. Spector also detailed his personal 17-year journey with Lyme disease and the life-threatening cardiac complications that ensued, leading to heart transplant in 2009, in his book Gone in a Heartbeat: A Physician’s Search for True Healing.
Fred Cobb, MD, Professor of Medicine

Fred Cobb, MD, completed a fellowship in cardiology at Duke University School of Medicine before serving as a major in the U.S. Army. He returned to Duke in 1983, joining the faculty of both Duke and the Durham Veterans Affairs Medical Center (VAMC). At the time of his unexpected death in 2006, Cobb led both the Duke Center for Living’s Program for Prevention and Treatment of Heart and Vascular Disease and the VAMC’s Congestive Heart Failure Clinic and Claudication Research Clinic. His work during his lifetime to gain support for a professorship in preventive cardiology laid the foundation for this endowment, which his family, friends, grateful patients, and colleagues established in 2005.

ERIC D. PETERSON, MD
Fred Cobb, MD, Professor of Medicine

Additional Appointments and Affiliations
- Executive Director, Duke Clinical Research Institute
- Professor of Medicine

Education and Training
- Fellow, General Internal Medicine, Harvard University
- Fellow, Cardiology, Duke University School of Medicine
- Resident, Brigham and Women’s Hospital, Harvard University
- Intern, Brigham and Women’s Hospital, Harvard University
- MD, University of Pittsburgh

Selected Awards and Honors
- Member, American Society for Clinical Investigation Council
- Member, Association of University Cardiologists
- Member, Association of American Physicians
- Meritorious Achievement Award, American Heart Association
- Lifetime Research Achievement Award, American Heart Association

Areas of Interest
Peterson is Principal Investigator of the National Heart, Lung, and Blood Institute’s Coordinating Center for its Outcome Research Network. He serves on multiple national committees, as well as CV-guideline and performance-measure development groups, and is a contributing editor for the Journal of the American Medical Association. Peterson is a recognized leader in outcomes and quality research, with more than 1,000 peer-reviewed publications.

Donald D. and Elizabeth G. Cooke Cancer Research Professor

Donald D. and Elizabeth G. Cooke first met in kindergarten. After earning a degree in mechanical engineering from Cornell University, Donald Cooke served as a U.S. Navy lieutenant in World War I before returning home to work in his family’s business. Later, during World War II, he worked in an industrial plant that built furnaces, eventually becoming company president. Elizabeth Cooke was the daughter of John W. Griggs, who was governor of New Jersey and U.S. Attorney General under President McKinley. After Donald Cooke’s death, Elizabeth became interested in cancer research and made a gift to endow this professorship.

NELSON JEN AN CHAO, MD
Donald D. and Elizabeth G. Cooke Cancer Research Professor

Additional Appointments and Affiliations
- Professor of Medicine
- Professor in Immunology
- Professor in Pathology
- Research Professor of Global Health, Duke Global Health Institute
- Member, Duke Cancer Institute
- Chief, Division of Cell Therapy, Department of Medicine
- Affiliate, Regeneration Next Initiative

Education and Training
- Fellow, Oncology, Stanford University
- Resident, Stanford University
- MBA, Duke University
- MD, Yale University

Selected Awards and Honors
- Nycomed Prize, International Society of Pediatric Oncology
- Robert and Alma Mortensen Lectureship, Texas A&M University
- Member, Association of American Physicians
- Voting Member, National Preparedness and Response Science Board
- Voting Member, National Biodefense Science Board
- Scientific Achievement Award, Chinese American Medical Society

Areas of Interest
Chao’s research interests are in the areas of immunotherapy, hematopoietic stem cell transplantation, graft versus host disease, and radiation biology.
Donald D. and Elizabeth G. Cooke
Professor of Experimental Oncology

GIVEN BY ELIZABETH G. COOKE
Donald D. and Elizabeth G. Cooke first met in kindergarten. After earning a degree in mechanical engineering from Cornell University, Donald Cooke served as a U.S. Navy lieutenant in World War I before returning home to work in his family’s business. Later, during World War II, he worked in an industrial plant that built furnaces, eventually becoming company president. Elizabeth Cooke was the daughter of John W. Griggs, who was governor of New Jersey and U.S. Attorney General under President McKinley. After Donald Cooke’s death, Elizabeth became interested in cancer research and made a gift to endow this professorship.

XIAO-FAN WANG, PHD
Donald D. and Elizabeth G. Cooke Professor of Experimental Oncology

Additional Appointments and Affiliations
• Professor of Pharmacology and Cancer Biology
• Member, Duke Cancer Institute

Education and Training
• Postdoctoral Fellow, Massachusetts Institute of Technology
• PhD, UCLA

Selected Awards and Honors
• Fellow, American Association for the Advancement of Science
• Outstanding Alumni Award, Wuhan University
• Ray Wu Award, Chinese Biological Investigators Society
• International Scientific Cooperation Award, Chinese Academy of Sciences

Areas of Interest
Wang’s laboratory researches molecular mechanisms of diseases such as cancer and immune disorders. This work provides the molecular basis for development of novel pharmacologic therapeutics for treatment of those diseases.

William Dalton
Family Assistant Professor in Medical Oncology

GIVEN BY WILLIAM L. AND SUSAN LOUISE DALTON
William Dalton was a 1957 graduate of Trinity College. He was a member of the Duke Comprehensive Cancer Center/Duke Cancer Institute Board of Overseers from 2002 through 2012; his wife, Susan Louise Dalton, has been a member since 2000. A 2003 gift from the Daltons was matched with funds from the Nicholas Faculty Leadership Initiative to establish an endowment to support a faculty member in the field of medical oncology in Duke’s Division of Medical Oncology and Transplantation.

SHIAO-WEN DAVID HSU, MD, PHD
William Dalton Family Assistant Professor in Medical Oncology

Additional Appointments and Affiliations
• Assistant Professor of Medicine
• Member, Duke Center for Genomic and Computational Biology
• Member, Duke Cancer Institute

Education and Training
• Fellow, Hematology-Oncology, Duke University
• Resident, Internal Medicine, University of Texas Southwestern Medical Center
• PhD, University of North Carolina at Chapel Hill
• MD, University of North Carolina at Chapel Hill

Selected Awards and Honors
• J. Irvin Logan Predoctoral Fellowship, University of North Carolina at Chapel Hill
• Glaxo Research Predoctoral Fellowship, University of North Carolina at Chapel Hill
• K12 Career Development Award, Duke University
• Mentored Research Scholar Grant recipient, American Cancer Society
• Duke Leadership Development for Researchers Program

Areas of Interest
Hsu’s clinical interest is gastrointestinal (GI) malignancies, with a focus on colorectal cancer. His laboratory focuses on use of genomic-based technologies to identify and develop novel therapeutic targets for treatment of GI cancers. Its work on developing preclinical models using patient-derived xenografts and other approaches has expanded to other solid tumors (for example, lung, breast, renal, bladder, melanoma, and sarcoma).
GIVEN BY THE DORIS DUKE FOUNDATION AND THE DUKE ENDOWMENT

Duke president William Preston Few recruited Wilburt C. Davison, MD, from Johns Hopkins University in 1927. As dean of the School of Medicine and chair of the Department of Pediatrics, Davison oversaw the construction of Duke University Hospital, School of Medicine, and School of Nursing and hired the original faculty. He led the hospital and medical school to national prominence. A leader in medical education, he published nine editions of The Compleat Pediatrician textbook. This professorship was established by the Doris Duke Foundation and The Duke Endowment in his honor.

MOHAMAD A. MIKATI, MD

Wilburt C. Davison Professor of Pediatrics

Additional Appointments and Affiliations
• Professor of Pediatrics
• Professor of Neurobiology
• Faculty Network Member, Duke Institute for Brain Sciences
• Affiliate, Center for Brain Imaging and Analysis
• Chief, Division of Pediatric Neurology

Education and Training
• Fellow, Neuropysiology, Neuropharmacology, Harvard University
• Resident, Neurology, Harvard University
• Intern and Resident, Pediatrics, American University of Beirut
• MD, American University of Beirut

Selected Awards and Honors
• President, Union of the Middle Eastern and Mediterranean Pediatric Societies
• Officer, International Child Neurology Association
• Advisor, International Pediatric Association, World Health Organization, International Developmental Pediatric Association
• Hans Zellweger Award for Contributions to Pediatric Neurology, American University of Beirut

Areas of Interest
Mikati’s clinical research has centered on characterization and therapy of pediatric epilepsy and neurology syndromes. His work also focuses on developing novel therapeutic strategies for epilepsy and related disorders, particularly Alternating Hemiplegia of Childhood, and applying innovative neurophysiology, neuropharmacology, genetic, and MRI techniques to such disorders.
Duke president William Preston Few recruited Wilburt C. Davison, MD, from Johns Hopkins University in 1927. As dean of the School of Medicine and chair of the Department of Pediatrics, Davison oversaw the construction of Duke University Hospital, School of Medicine, and School of Nursing and hired the original faculty. He led the hospital and medical school to national prominence. A leader in medical education, he published nine editions of *The Compleat Pediatrician* textbook. This professorship was established by the Doris Duke Foundation and The Duke Endowment in his honor.

**SALLIE ROBEY PERMAR, MD, PHD**
Wilburt C. Davison Professor of Pediatrics

**Additional Appointments and Affiliations**
- Professor of Pediatrics
- Professor of Molecular Genetics and Microbiology
- Professor in Immunology
- Professor of Pathology
- Member, Duke Human Vaccine Institute
- Affiliate, Duke Global Health Institute
- Associate, Duke Initiative for Science & Society
- Core Faculty in Innovation & Entrepreneurship, Duke Innovation & Entrepreneurship

**Education and Training**
- Fellow, Pediatric Infectious Diseases, Children’s Hospital Boston
- Resident, Pediatrics, Children’s Hospital Boston
- MD, Harvard Medical School
- PhD, Johns Hopkins University

**Selected Awards and Honors**
- Inductee, American Society of Clinical Investigation
- Young Investigator Award, Pediatric Infectious Diseases Society
- Young Investigator Award, Society for Pediatric Research
- Presidential Early Career Awards for Scientists and Engineers

**Areas of Interest**
Permar’s work focuses on the development of vaccines to prevent vertical transmission of neonatal viral pathogens. She has used the nonhuman primate model of HIV/AIDS to characterize the virus-specific immune responses and virus evolution in breast milk and develop a maternal vaccine regimen for protection against breast milk transmission of HIV. Additionally, Permar’s lab has advanced the understanding of HIV-specific immune responses and virus evolution in vertically-transmitting and non-transmitting HIV-infected women, defining maternal immune responses that may protect against neonatal transmission of HIV. Importantly, Permar has established a nonhuman primate model of congenital CMV infection and is using this model to establish the maternal immune responses that are necessary for protection against placental virus transmission. She also is studying the impact and prevention of postnatal CMV transmission in preterm infants.
GIVEN BY DUKE UNIVERSITY
This endowment was established in 2016 to support a scholar of true eminence and excellence in the field of medical oncology whose work is performed in Duke Cancer Institute.

JAMES L. ABBRUZZESE, MD
DCI Professor of Medical Oncology

Additional Appointments and Affiliations
- Professor of Medicine
- Member, Duke Cancer Institute
- Chief, Division of Medical Oncology

Education and Training
- Fellow, Medical Oncology, Dana-Farber Cancer Institute, Harvard University
- Resident, Internal Medicine, Johns Hopkins University
- MD, University of Chicago

Selected Awards and Honors
- Member, Alpha Omega Alpha Honor Medical Society
- Fellow, American Society of Clinical Oncology
- Honorary Doctorate of Science, Fairfield University
- Baldini Visiting Professor, Beth Israel Deaconess Medical Center
- Palandjian Visiting Professor in Gastrointestinal Oncology, Dana-Farber Cancer Institute
- Ruth C. Brufsky Award for Excellence in Research in Pancreatic Cancer, University of Pittsburgh
- Gianaris Pancreatic Cancer Lecture, Indiana University

Areas of Interest
Abbruzzese’s research interests include the clinical study and treatment of pancreatic cancer. His early work involved the development of gemcitabine, a drug that remains in use for pancreatic cancer today. Currently, Abbruzzese is involved in research designed to identify pancreatic cancer at an earlier point in its development, where more effective treatment options will be available to patients.
GIVEN BY THE DUKE ENDOWMENT

Created in 1953 by a special grant from The Duke Endowment, the James B. Duke professorships honor the late James Buchanan Duke, a North Carolina industrialist and philanthropist who was the principal benefactor of Duke University, Duke University Hospital, and the schools of medicine and nursing. The Duke professorships honor well-established members of the Duke academic community, regardless of field, who have achieved distinction as creative scholars.

HASHIM AL-HASHIMI, PHD
James B. Duke Professor of Biochemistry

Additional Appointments and Affiliations
- Professor of Biochemistry
- Professor of Chemistry

Education and Training
- PhD, Yale University

Selected Awards and Honors
- Thought Leader Award, Agilent Technologies
- Vilcek Prize for Creative Promise in Biomedical Science, Vilcek Foundation
- Founder’s Medal, International Conference on Magnetic Resonance in Biological Systems
- Collegiate Professorship, University of Michigan
- LSA Excellence in Teaching Award, University of Michigan
- Robert L. Kuczkowski Faculty Career Enhancement Award, University of Michigan
- Career Award, National Science Foundation

Areas of Interest
The research interests of Al-Hashimi’s laboratory include kinetic structural biology of nucleic acids, mechanisms of mutations, RNA-targeted drug discovery, RNA folding, DNA structure and dynamics in vivo, and structural biology of HIV RNA.
About the Donor

A GIFT TO GROW ON

In 2005, when investment banker Disque D. Deane T'43 endowed the Disque Deane University Professorship, he had already endowed a neurobiology lab at Duke. He felt that funding a professorship was a natural next step.

“The scientists at Duke are changing lives and outcomes.”

—CAROL DEANE

Duke Health Board of Visitors Chair Carol Deane remembers that her late husband was motivated by an intellectual curiosity about science, including neurobiology, as well as a general concern about the devastating potential of neurological diseases. “Although he was a very successful investment banker, he was always reading scientific journals and magazines,” Deane says. “Disque was somebody who used to read the tax code and find it interesting. He had that kind of mind.”

At the time that the professorship was endowed, what is now the Duke Department of Neurology was a division. “I think it was his hope that funding a professorship would help Duke get the impetus to start a department of neurology,” she says. “He was very aware that as populations age, that field is becoming more and more important to the general population.”

“Duke University was very important to him,” Deane says. “He felt that he had a great education there, and he wanted to give back.” In addition to supporting Duke University through his personal philanthropy, Disque Deane also served as a valued member of the Duke University Board of Trustees from 1983 through 1989.

Carol Deane has met with Richard O’Brien, MD, the current holder of the professorship, on several occasions. “He’s brilliant, he’s thoughtful, and every time I have the opportunity to spend time with him, I learn something new,” she says.

Like her late husband, Deane feels strongly that endowed professorships fuel the research breakthroughs that will improve lives. “Government grants for any kind of research happen only when the scientists are about 90 percent of the way to making a breakthrough discovery,” she says. “By funding a professorship, you’re helping to support a basic science lab to get to that point. It’s also the way the university can attract and keep top talent. The scientists at Duke are changing lives and outcomes. They’re setting standards for new ways to treat disease and pathologies, and I think that’s really important.”
GIVEN BY DISQUE D. DEANE

Deane attended Duke University as a member of the class of 1943 but left to serve in the U.S. Maritime Service during World War II. He became a prominent financier, investor, and philanthropist. Deane received Duke’s Notable Alumni Award in 1987 and served on various university boards and committees, including the Board of Trustees from 1983 to 1989. Deane established this professorship in 2005 to support a scholar of true eminence and excellence in the field of translational neurosciences, with the ultimate goal of improving diagnosis, prevention, or therapy of human diseases of the nervous system.

RICHARD J. O’BRIEN, MD, PhD

Disque D. Deane University Professor of Neurology

Additional Appointments and Affiliations

- Chair, Department of Neurology
- Professor of Neurology
- Professor of Neurobiology

Education and Training

- Resident, Internal Medicine, Massachusetts General Hospital
- Resident, Neurology, Johns Hopkins University
- MD, Harvard Medical School
- PhD, Harvard University

Selected Awards and Honors

- Clinical Scientist Award in Translational Research, Burroughs Wellcome Fund

Areas of Interest

O’Brien is a recognized expert in research and treatment of the aging brain and neurodegenerative disorders. He has made significant contributions to understanding the biology of glutamate receptors at excitatory synapses in the brain and, more recently, to the pathogenesis of Alzheimer’s disease. His investigations in Alzheimer’s disease have led to critical new insight into the role of the amyloid peptide, metabolism, and cerebrovascular pathology in dementia, and the role of normal aging in diseases of the brain. With the Department of Neurobiology, O’Brien’s research has also focused on understanding brain plasticity (the ability to adapt to change) as a means of preventing and treating a variety of brain disorders.
GIVEN BY THE DUKE ENDOWMENT

Created in 1953 by a special grant from The Duke Endowment, the James B. Duke professorships honor the late James Buchanan Duke, a North Carolina industrialist and philanthropist who was the principal benefactor of Duke University, Duke University Hospital, and the schools of medicine and nursing. The Duke professorships honor well-established members of the Duke academic community, regardless of field, who have achieved distinction as creative scholars.

LORENA S. BEESE, PHD
James B. Duke Professor of Biochemistry

Additional Appointments and Affiliations
- Professor of Biochemistry
- Member, Duke Cancer Institute

Education and Training
- PhD, Brandeis University

Selected Awards and Honors
- Member, National Academy of Sciences
- Searle Scholar

Areas of Interest
Beese’s research seeks to understand biological processes in atomic detail. Using a multidisciplinary strategy, her lab employs macromolecular X-ray crystallography to determine high-resolution, three-dimensional images of proteins and appropriate complexes. The structural information is combined with biochemical, genetic, and computational analyses to address questions central to cancer biology. In addition, this approach may facilitate the development of new therapeutic agents for treatment of cancer and other diseases.

RICHARD G. BRENNAN, PHD
James B. Duke Professor of Biochemistry

Additional Appointments and Affiliations
- Professor of Biochemistry
- Chair, Department of Biochemistry

Education and Training
- PhD, University of Wisconsin–Madison

Selected Awards and Honors
- Fellow, American Association for the Advancement of Science
- Fellow, American Academy of Microbiology

Areas of Interest
Brennan has a long-standing interest in understanding the molecular and structural bases of how genes are regulated when responding to a variety of environmental stressors that underlie bacterial multidrug resistance, multidrug tolerance, persistence, and virulence. Recently, his interests have expanded to mechanistic studies on fungal pathogenicity.
GIVEN BY THE DUKE ENDOWMENT

Created in 1953 by a special grant from The Duke Endowment, the James B. Duke professorships honor the late James Buchanan Duke, a North Carolina industrialist and philanthropist who was the principal benefactor of Duke University, Duke University Hospital, and the schools of medicine and nursing. The Duke professorships honor well-established members of the Duke academic community, regardless of field, who have achieved distinction as creative scholars.

HOMME W. HELLINGA, PHD
James B. Duke Professor of Biochemistry

Additional Appointments and Affiliations
- Professor of Biochemistry

Education and Training
- PhD, University of Cambridge

Selected Awards and Honors
- Emil Thomas Kaiser Award, The Protein Society

Areas of Interest
Hellinga’s laboratory takes a combined theoretical and experimental approach to problems in structural biophysics, developing design methods that can be used to rationally modify the structure and function of a protein. Hellinga’s team has developed and experimentally validated a variety of computer algorithms that allow researchers to design biologically active receptors, sensors, and enzymes.

PAUL L. MODRICH, PHD
James B. Duke Professor of Biochemistry

Additional Appointments and Affiliations
- Professor of Biochemistry
- Professor of Chemistry
- Member, Duke Cancer Institute

Education and Training
- PhD, Stanford University

Selected Awards and Honors
- Nobel Prize in Chemistry, Royal Swedish Academy of Sciences
- Fellow, American Academy of Arts and Sciences
- Member, National Academy of Medicine
- Investigator, Howard Hughes Medical Institute
- Member, National Academy of Sciences
- Pfizer Award in Enzyme Chemistry, American Chemical Society
- Feodor Lynen Medal, German Society for Biochemistry and Molecular Biology

Areas of Interest
Modrich was awarded the 2015 Nobel Prize in Chemistry jointly with Tomas Lindahl, of the Francis Crick Institute and Clare Hall Laboratory in the United Kingdom, and Aziz Sancar, of the University of North Carolina at Chapel Hill, for mechanistic studies of DNA repair. Modrich clarified the nature and functions of mismatch repair, which rectifies base-pairing errors within the DNA helix, and inactivation of which has profound consequences for a living cell: a 100- to 1,000-fold increase in mutation production. His laboratory currently focuses on involvement of the human pathway in the DNA-damage response and its role in expansion of triplet repeat sequences, the cause of a number of neurodegenerative diseases.
### Jane S. Richardson, MA

**James B. Duke Professor of Biochemistry**

**Additional Appointments and Affiliations**
- Professor of Biochemistry

**Education and Training**
- MA, Harvard University

**Selected Awards and Honors**
- Fellow, MacArthur Foundation
- Member, National Academy of Sciences
- Member, National Academy of Medicine
- Member, American Academy of Arts and Sciences
- Emily M. Gray Award, Biophysical Society
- Fellow, American Crystallographic Association
- Fellow, Biophysical Society

**Areas of Interest**
The long-term goal of the Richardson lab is to contribute to a deeper understanding of the 3D structures of proteins, including their description, determinants, folding, evolution, and control. Richardson developed the ubiquitous ribbon diagram for representing protein folds. She also leads projects on all-atom contacts, x-ray crystallography, and especially structure validation, as embodied in the MolProbity web service, now considered state-of-the-art for model validation.

### Blanche Capel, PhD

**James B. Duke Professor of Cell Biology**

**Additional Appointments and Affiliations**
- Professor of Cell Biology
- Member, Duke Cancer Institute

**Education and Training**
- PhD, University of Pennsylvania

**Selected Awards and Honors**
- Fellow, American Association for the Advancement of Science
- President, Society for Developmental Biology
- Pioneer Award, Frontiers in Reproductive Biology
- Society of Reproductive Biology Founders Award

**Areas of Interest**
Capel’s research interest is in gonadal sex determination, testis and ovary organogenesis, and male germ cell development. Using genetic and cell biology approaches, her lab established the basic paradigm governing sex determination in mammals and is investigating whether this paradigm holds in turtles, where sex determination depends on temperature. Capel uses a variety of experimental approaches to investigate male germ cell development and to determine the origin of germ cell tumors, a common cancer in males. She is also investigating the regenerative capacity of the ovary and testis after chemotherapy.
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MARC G. CARON, PHD
James B. Duke Professor of Cell Biology

Additional Appointments and Affiliations
• Professor of Cell Biology
• Professor of Medicine
• Professor in Neurobiology
• Member, Duke Cancer Institute
• Faculty Network Member, Duke Institute for Brain Sciences

Education and Training
• PhD, University of Miami

Selected Awards and Honors
• Julius Axelrod Award, American Society for Pharmacology and Experimental Therapeutics
• Investigator/Alumni Investigator, Howard Hughes Medical Institute
• Doctorate Honoris Causa, Université de Montréal
• Linda and Jack Gill Center for Biomolecular Science Award, Indiana University
• Lieber Prize for Schizophrenia Research, Brain and Behavior Research Foundation
• Member, American Academy of Arts and Sciences
• Goodman and Gilman Award in Receptor Pharmacology, the Society of Pharmacology and Experimental Therapeutics

Areas of Interest
Caron conducts studies of the mechanisms of action and regulation of hormones and neurotransmitters at the cellular and molecular levels. The goals of his laboratory are to define the genes and pathways involved in various neuropsychiatric brain disorders, as well as the reinforcing properties of drugs of abuse. Caron’s laboratory uses biochemical, molecular biology, and forward and reverse genetic approaches to leverage emerging concepts of neurotransmitter signal transduction to develop improved therapeutic concepts.

HAROLD P. ERICKSON, PHD
James B. Duke Professor of Cell Biology

Additional Appointments and Affiliations
• Professor of Cell Biology
• Professor of Biochemistry
• Professor of Biomedical Engineering
• Member, Duke Cancer Institute

Education and Training
• PhD, Johns Hopkins University

Selected Awards and Honors
• Docteur Honoris Causa, Université de Montpellier

Areas of Interest
Erickson’s research interests include gene function and regulation and protein structure. His laboratory explores the cytoskeleton, specifically looking at the protein FtsZ, which plays a key role in cell division. Another line of research is the extracellular matrix of animals, focusing on the proteins fibronectin and tenascin. A recent project has questioned the discovery of a new “exercise hormone” called irisin. An international collaboration organized by Erickson showed that the assays used by previous studies were reporting non-specific blood proteins, not irisin.
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KENNETH D. POSS, PHD
James B. Duke Professor of Cell Biology

Additional Appointments and Affiliations

- Professor of Cell Biology
- Professor in Medicine, Cardiology
- Professor of Biology
- Member, Duke Cancer Institute
- Director, Regeneration Next Initiative

Education and Training

- Postdoctoral Fellow, Cardiology, Boston Children’s Hospital
- Research Fellow, University of Utah
- PhD, Massachusetts Institute of Technology

Selected Awards and Honors

- Distinguished Achievement Award, Carleton College
- Merit Award, American Heart Association
- Ruth and A. Morris Williams Prize in Basic Research, Duke University School of Medicine
- Early Career Scientist, Howard Hughes Medical Institute
- Pew Scholar in the Biomedical Sciences

Areas of Interest

Zebrafish have emerged as a central model system for studying regeneration, due to their ability to regenerate myriad tissues and to the availability of molecular genetic tools. Over the past decade, Poss’s laboratory has spearheaded their use to reveal concepts and mechanisms of regeneration, including heart and appendage regeneration.

GARNETT H. KELSOE III, DSC
James B. Duke Professor of Immunology

Additional Appointments and Affiliations

- Professor of Immunology
- Member, Duke Cancer Institute
- Member, Duke Human Vaccine Institute

Education and Training

- DSc, Harvard University

Selected Awards and Honors

- Wellcome Visiting Professorship in the Basic Medical Sciences, University of Iowa College of Medicine
- Visiting Scientist, the Jeanne M. and Joseph P. Sullivan Program in Theoretical Immunology, Santa Fe Institute
- Nina W. Werblow Lectureship, Cornell University School of Medicine
- Deputy Editor, The Journal of Clinical Investigation and The Journal of Immunology

Areas of Interest

Kelsoe’s lab researches lymphocyte development and antigen-driven diversification of immunoglobulin and T cell antigen receptor genes. His research projects explore the origins of autoimmunity, mathematical modeling of immune responses, the functional structure of DNA motifs, and humoral immunity to influenza and HIV-1.
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VICTOR J. DZAU, MD
James B. Duke Professor of Medicine

Additional Appointments and Affiliations
- Chancellor Emeritus, Duke University
- Professor of Medicine
- Professor of Pathology

Education and Training
- Postdoctoral Research Fellow, Physiology, Harvard University
- Fellow, Cardiology, Massachusetts General Hospital
- Medical Resident and Chief Resident Physician, Peter Bent Brigham (now Brigham and Women's) Hospital
- MD, McGill University

Selected Awards and Honors
- Elected to National Academy of Medicine, American Academy of Arts and Science, and Royal Society of Medicine
- Max Delbrück Medal, Max Delbrück Center for Molecular Medicine
- Gustav Nylin Medal, Swedish Royal College of Medicine
- President, National Academy of Medicine
- Vice Chair, National Research Council

Areas of Interest
Dzau served as Chancellor for Health Affairs and president and chief executive officer of the Duke University Health System from 2004 to 2015. He has led major efforts in translational science, health innovation, health policy, and global health. His research in cardiovascular medicine and genetics laid the foundation for development of ACE inhibitors, a class of lifesaving drugs used to treat hypertension and heart failure. He pioneered gene therapy for vascular disease and direct reprogramming for cardiac regeneration. Dzau has led initiatives at the National Academies, including the Commission on a Global Health Risk Framework and the Human Gene Editing Initiative.

JOSEPH C. GREENFIELD JR., MD
James B. Duke Professor of Medicine

Additional Appointments and Affiliations
- Professor of Medicine

Education and Training
- MD, Emory University

Selected Awards and Honors
- Member, Institute of Medicine of the National Academies
- Eugene A. Stead, MD, Award for Excellence in Teaching, Duke University
- Distinguished Faculty Award, Duke Medical Alumni Association
- Distinguished Scientist Award, American College of Cardiology
- MERIT Award, National Heart, Lung, and Blood Institute
- Paul Dudley White Award, Association of Military Surgeons of the United States

Areas of Interest
Greenfield served as chair of the Department of Medicine from 1983 to 1995 and as chief of the Division of Cardiology from 1981 to 1989. His research interests involved defining the factors that regulate coronary blood flow, as well as development of the electrocardiogram to enhance clinical care. Greenfield’s cardiovascular basic science laboratory ceased formal operation in 2000, but prior to that he was involved in many clinical trials on heart and vascular diseases.
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ROBERT J. LEFKOWITZ, MD
James B. Duke Professor of Medicine

Additional Appointments and Affiliations
- Investigator, Howard Hughes Medical Institute
- Professor of Medicine
- Professor in Biochemistry
- Member, Duke Cancer Institute

Education and Training
- Resident, Medicine, Columbia Presbyterian Medical Center
- Research and Clinical Training, Cardiovascular Disease, Massachusetts General Hospital
- Clinical and Research Associate, National Institutes of Health
- MD, Columbia University

Selected Awards and Honors
- Nobel Prize in Chemistry, Royal Swedish Academy of Sciences
- National Medal of Science, National Science Foundation
- Member, National Academy of Sciences
- Shaw Prize in Life Science and Medicine, The Shaw Prize Foundation
- Member, Institute of Medicine, National Academies
- Member, American Academy of Arts and Sciences

Areas of Interest
The Lefkowitz lab seeks to clarify molecular properties and regulatory mechanisms that control the function of G protein-coupled receptors and to learn the principles behind signal transduction from the outside to the inside of the cell. This transduction influences functions including sensory perception, neurotransmission, and hormone signaling. Current studies focus on better understanding receptor regulation and desensitization that occurs in receptors in response to ongoing stimulation. The majority of Lefkowitz’s work is funded by Howard Hughes Medical Institute.

JOHN R. PERFECT, MD
James B. Duke Professor of Medicine

Additional Appointments and Affiliations
- Professor of Medicine
- Chief, Division of Infectious Diseases
- Professor in Molecular Genetics and Microbiology

Education and Training
- Resident, Infectious Diseases, Duke University School of Medicine
- Resident, Internal Medicine, University of Michigan Medical Center
- MD, University of Toledo College of Medicine and Life Sciences

Selected Awards and Honors
- Fellow, American Association for the Advancement of Science
- Distinguished Faculty Award, Duke Medical Alumni Association
- University Scholar/Teacher of the Year, Duke University

Areas of Interest
Perfect’s research focuses on medical mycology, the study of fungi and the diseases that they produce. His work includes studying novel and existing antifungal agents in animal models of candida and cryptococcal infection, and analyzing clinical correlations between in vitro antifungal susceptibility testing and in vivo outcomes. His laboratory also investigates the molecular pathogenesis of cryptococcal infections, using Cryptococcus neoformans as a model yeast system to identify molecular targets for antifungal drug development. Perfect’s lab also is examining C. neoformans as a pathogenic model system, from diagnosis to treatment, and coordinating clinical trials that look at both fungal infections and the use of antibiotics in various aspects of infections.
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RALPH SNYDERMAN, MD
James B. Duke Professor of Medicine

Additional Appointments and Affiliations
• Chancellor Emeritus, Duke University
• Director, Duke Center for Research on Personalized Health Care
• Professor of Medicine

Education and Training
• MD, State University of New York at Brooklyn

Selected Awards and Honors
• Fellow, American Academy of Arts and Sciences
• Member, National Academy of Medicine
• Chair, American Association of Medical Colleges
• President, Association of American Physicians
• David E. Rogers Award, Association of American Medical Colleges
• Pioneer Award, Personalized Medicine World Conference
• Bravewell Leadership Award, The Bravewell Leadership Collaborative

Areas of Interest
Snyderman served as Chancellor for Health Affairs and Dean of the School of Medicine at Duke University from 1989 to 2004. During this time, he oversaw development of the Duke University Health System and served as its first president and chief executive officer. Snyderman’s current focus is personalized health care. He continues to lead these efforts nationally as director of the Duke Center for Research on Personalized Health Care. His earlier research focused on mechanisms and techniques to regulate activation, desensitization, and priming of chemoattractant receptors. Additionally, a major effort of his laboratory was directed at defining precise molecular events controlling leukocyte activation.

BRYAN R. CULLEN, PHD
James B. Duke Professor of Molecular Genetics and Microbiology

Additional Appointments and Affiliations
• Professor of Molecular Genetics and Microbiology
• Professor in Medicine
• Director, Center for Virology
• Member, Duke Cancer Institute

Education and Training
• PhD, Rutgers University
• MSc, Birmingham University, UK

Selected Awards and Honors
• Fellow, American Academy for the Advancement of Science
• Investigator/Alumni Investigator, Howard Hughes Medical Institute
• Fellow, American Academy of Microbiology
• Research Award, Alexander von Humboldt Foundation
• Bernard Fields Memorial Lectureship, Conference on Retroviruses and Opportunistic Infections
• Honorary Doctorate of Science, Warwick University

Areas of Interest
Cullen’s laboratory is interested in understanding the molecular biology of the replication cycle of the pathogenic retrovirus HIV-1, as well as other pathogenic viruses such as Influenza A Virus and members of the herpesvirus family.
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JOSEPH HEITMAN, MD, PHD
James B. Duke Professor of Molecular Genetics and Microbiology

Additional Appointments and Affiliations
• Chair, Department of Molecular Genetics and Microbiology
• Professor in Medicine
• Professor in Pharmacology and Cancer Biology
• Member, Duke Cancer Institute

Education and Training
• MD, Cornell University
• PhD, Rockefeller University

Selected Awards and Honors
• Squibb Award, Infectious Diseases Society of America
• Amgen Award, American Society for Biochemistry and Molecular Biology
• Fellow, American Society for Clinical Investigation
• Fellow, American Academy of Microbiology
• Fellow, American Association for the Advancement of Science
• Fellow, Association of American Physicians
• MERIT Award, National Institutes of Health/National Institute of Allergy and Infectious Diseases

Areas of Interest
Heitman is a leader in eukaryotic microbial genetics and genomics. With budding yeast, he discovered targets and mechanisms of action for widely used immunosuppressants. With pathogenic fungi, he defined mechanisms of infection and host interaction, drug targets, novel genetic and epigenetic modes of resistance, and pathways that lead to sex determination; he also discovered unisexual reproduction and how this process drives microbial evolution and the emergence of common ubiquitous human pathogens. Heitman’s contributions to genomics have opened new vistas for understanding biology and both human health and disease via our interactions with microbes.
James B. Duke Professor of Molecular Genetics and Microbiology

GIVEN BY THE DUKE ENDOWMENT

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JACK D. KEENE, PHD
James B. Duke Professor of Molecular Genetics and Microbiology

Additional Appointments and Affiliations
• Professor of Molecular Genetics and Microbiology
• Founder, Duke Center for RNA Biology
• Member, Duke Cancer Institute

Education and Training
• PhD, University of Washington

Selected Awards and Honors
• Fellow, American Association for the Advancement of Science
• Fellow, American Academy of Microbiology, American Society of Microbiology
• Member, Henry Kunkel Society
• Honorary Member, LARP Society
• Pew Scholar in the Biomedical Sciences

Areas of Interest
Keene has a long-term interest in the structure and function of viral and mammalian genomes. In the early 1980s, his laboratory determined the first genomic sequences for rabies, Ebola, Marburg, and vesicular stomatitis virus, and discerned the origins of defective interfering viruses. They later cloned six human genes encoding RNA-binding proteins involved in virus interactions and autoimmunity. More recently, Keene’s laboratory discovered a novel mechanism of gene coordination, termed “RNA regulons,” with implications for better understanding and addressing neurodegeneration, immunity, and cancer.

DOUGLAS A. MARCHUK, PHD
James B. Duke Professor of Molecular Genetics and Microbiology

Additional Appointments and Affiliations
• Professor of Molecular Genetics and Microbiology
• Member, Duke Cancer Institute

Education and Training
• PhD, University of Chicago

Selected Awards and Honors
• Fellow, American Association for the Advancement of Science
• Holland-Trice Scholars Award, Duke University School of Medicine
• Gordon G. Hammes Faculty Teaching Award, Duke University

Areas of Interest
Marchuk’s laboratory studies the genetics of cardiovascular disease, including inherited diseases of vascular dysplasia, using both the human and mouse models. His research seeks to understand the role of the genes responsible for these genetic syndromes and the pathology of these disorders. The first step in Marchuk’s approach is to identify the genetic loci underlying these disorders, providing the basis for molecular biological studies on the role of the mutant protein in the disease pathology and on the role of normal proteins in vascular development. Subsequent investigations require an in vivo model, usually a genetically modified mouse, which serves as a more tractable system to facilitate understanding of the biology of the gene product in vascular morphogenesis. Coming full circle, Marchuk can then determine if additional factors identified in the animal model also play a role in the human disease.
GIVEN BY THE DUKE ENDOWMENT

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PATRICK J. CASEY, PHD
James B. Duke Professor of Pharmacology and Cancer Biology

Additional Appointments and Affiliations
- Professor of Pharmacology and Cancer Biology
- Senior Vice Dean, Research, Duke–NUS Medical School
- Professor of Biochemistry
- Member, Duke Cancer Institute

Education and Training
- PhD, Brandeis University

Selected Awards and Honors
- Basil O’Connor Scholar Award, March of Dimes
-Established Investigator Award, American Heart Association
-Amgen Award, American Society of Biochemistry and Molecular Biology
-Fellow, American Association for the Advancement of Science

Areas of Interest
Casey’s research focuses on cellular signaling mediated through guanine nucleotide-binding regulatory proteins (G proteins). Many of these signaling pathways are involved in control of cell growth. An area of particular interest is the post-translational modification of G proteins by lipids. The importance of this work is highlighted by the fact that several of the enzymes involved in these modifications have become major targets in development of anti-cancer therapeutics. Casey’s lab also discovered that aberrant activation of a specific type of G protein contributes to metastatic progression of breast and prostate cancers; several other groups have confirmed this finding and shown that the pathway is also active in ovarian and liver cancers.

GIVEN BY THE DUKE ENDOWMENT

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DANIEL J. LEW, PHD
James B. Duke Professor of Pharmacology and Cancer Biology

Additional Appointments and Affiliations
- Professor of Pharmacology and Cancer Biology
- Professor in Molecular Genetics and Microbiology
- Professor of Cell Biology
- Member, Duke Cancer Institute

Education and Training
- PhD, Rockefeller University

Selected Awards and Honors
- Fulbright Scholar
-Searle Scholar
-Leukemia and Lymphoma Society Scholar
-Fellow, American Association for the Advancement of Science
-Fellow, American Academy of Microbiology
-University Scholar/Teacher of the Year, Duke University

Areas of Interest
Lew’s research interests encompass questions on cell-cycle control, the control of cell polarity, signal transduction, and chemotropism. The biological problems Lew’s research addresses are universal, and the proteins he studies are widely conserved. He has chosen the experimentally tractable budding yeast as his experimental system and is using genetic, cell biological, and computational approaches to study cell-cycle pathways.
Nanaline H. Duke was the second wife of North Carolina industrialist and philanthropist James Buchanan Duke and the mother of Doris Duke. James B. Duke was the principal benefactor of Duke University, Duke University Hospital, and the schools of medicine and nursing. This endowment was created to honor Nanaline Duke.

NANALINE H. DUKE PROFESSORSHIP

Nanaline H. Duke Professor of Biochemistry

MARIA A. SCHUMACHER, PhD

Nanaline H. Duke Professor of Biochemistry

Additional Appointments and Affiliations
- Professor of Biochemistry

Education and Training
- PhD, Oregon Health and Science University
- Postdoctoral Fellow, Damon Runyon-Walter Winchell Cancer Research Foundation

Selected Awards and Honors
- National Defense Science and Engineering Graduate Fellowship in Biosciences
- Pharmacia Biotech & Science Prize for Young Scientists
- Burroughs Wellcome Career Development Award in the Biomedical Sciences
- Faculty Scholar Award, University of Texas MD Anderson Cancer Center
- Fellow, American Association for the Advancement of Science
- Fellow, American Academy of Microbiology

Areas of Interest
Schumacher’s interests center on elucidating molecular mechanisms controlling essential and fundamental processes involving protein-nucleic acid interactions, in particular, DNA segregation, transcription, RNA editing, and cell division. Her lab is also interested in mechanisms of multidrug resistance and tolerance. The lab determined the first series of structures of a multidrug binding protein bound to multiple chemically dissimilar compounds and has performed seminal work on understanding DNA segregation and how DNA segregation is coordinated with cell division. Key studies on transcription regulation have focused on essential RNA editing complexes and other topics.

NANALINE H. DUKE PROFESSORSHIP

Nanaline H. Duke Professor of Pediatrics

NANCY C. ANDREWS, MD, PHD

Nanaline H. Duke Professor of Pediatrics

Additional Appointments and Affiliations
- Professor of Pediatrics
- Professor of Pharmacology & Cancer Biology

Education and Training
- Fellow, Pediatric Hematology/Oncology, Children’s Hospital Boston and Dana-Farber Cancer Institute
- Resident, Pediatrics, Children’s Hospital Boston
- MS, Yale University
- PhD, Massachusetts Institute of Technology
- MD, Harvard University

Selected Awards and Honors
- Marion Spencer Fay Award, Institute for Women’s Health and Leadership
- Fellow and Chair of the Board of Directors, American Academy of Arts and Sciences
- Fellow, American Association for the Advancement of Science
- Outstanding Investigator Award in Basic Science, American Federation for Medical Research
- Investigator/Alumna Investigator, Howard Hughes Medical Institute
- Member, National Academy of Sciences; National Academy of Medicine; American Pediatric Society; Association of American Physicians; American Society for Clinical Investigation

Areas of Interest
Andrews is dean emerita of the Duke University School of Medicine and vice chancellor emerita for academic affairs of Duke University. Her research expertise focuses on molecular hematology and mammalian iron homeostasis. She has used gene targeting to disrupt iron-related genes in mice, to interrogate the details of iron homeostasis, and to develop mouse models of human disease. Using these models, Andrews has elucidated the roles of the iron-regulating hormone hepcidin in pathogenesis of hemochromatosis and the anemia of inflammation. She also described a new disorder, iron-refractory iron deficiency anemia (IRIDA), and identified the causative gene.
GIVEN BY AN ANONYMOUS DONOR

MIGUEL A.L. NICOLELIS, PhD, MD
Duke School of Medicine Professor in Neuroscience

Additional Appointments and Affiliations
- Professor of Neurobiology
- Professor of Biomedical Engineering
- Professor in Orthopaedic Surgery
- Professor in Neurology
- Professor in Psychology & Neuroscience
- Faculty Network Member, Duke Institute for Brain Sciences
- Director, Center for Neuroengineering

Education and Training
- PhD, University of Sao Paulo
- MD, University of Sao Paulo

Selected Awards and Honors
- Foreign Member, French Academy of Science
- Full Member, Brazilian Academy of Science
- NIH Director’s Pioneer Award, National Institutes of Health (NIH)
- NIH Director’s Roadmap Transformative Research Award
- The 100 Leading Global Thinkers of 2015, Foreign Policy magazine
- Daniel E. Noble Award for Emerging Technologies, IEEE

Areas of Interest
Nicolelis has dedicated his career to investigating how the brains of freely behaving animals encode sensory and motor information. He was first to propose and demonstrate that animals and human subjects can use electrical brain activity to directly control neuroprosthetic devices via brain-machine interfaces (BMI). Over the past 25 years, Nicolelis pioneered and perfected development of a new neurophysiological method, now known as chronic, multi-site, multi-electrode recordings. He also discovered a series of key physiological principles that govern the operation of mammalian brain circuits. His pioneering BMI studies have become extremely influential since they offer new potential therapies for patients suffering from severe levels of paralysis, Parkinson’s disease, and epilepsy. Numerous neuroscience laboratories in the United States, Europe, Asia, and Latin America have incorporated his experimental paradigm to study a variety of mammalian neuronal systems. His research has influenced basic and applied research in computer science, robotics, and biomedical engineering.
DUKE HEALTH NAMED PROFESSORSHIPS DUKE UNIVERSITY SCHOOL OF MEDICINE

JAMES MCNAMARA SR., MD
Duke School of Medicine Professor in Neurosciences

Additional Appointments and Affiliations
- Professor of Neurobiology
- Professor of Neurology
- Professor of Pharmacology and Cancer Biology
- Director, Center for Translational Neuroscience
- Faculty Network Member, Duke Institute for Brain Sciences

Education and Training
- MD, University of Michigan-Ann Arbor

Selected Awards and Honors
- Member, National Academy of Medicine
- Epilepsy Research Recognition Award, American Epilepsy Society
- Freedom to Discover Award, Bristol-Myers Squibb
- Javits Neuroscience Investigator Award, National Institutes of Health (two-time recipient)
- Fellow, American Association for the Advancement of Science

Areas of Interest
McNamara’s laboratory seeks to elucidate the cellular and molecular mechanisms underlying epileptogenesis, the process by which a normal brain becomes epileptic. Epilepsies constitute a group of common, serious neurological disorders, among which temporal lobe epilepsy is the most prevalent and devastating. Many patients with severe temporal lobe epilepsy experience an episode of prolonged seizures years before the onset of epilepsy (status epilepticus). McNamara’s research provides proof-of-concept evidence for a novel strategy targeting receptor tyrosine kinase signaling and identifies a therapeutic with promise for preventing temporal lobe epilepsy caused by status epilepticus in humans.

GIVEN BY AN ANONYMOUS DONOR

MICHAEL M. HAGLUND, MD, PHD
Duke Professor of Neurosurgery

Additional Appointments and Affiliations
- Professor of Neurosurgery
- Professor of Neurobiology
- Research Professor of Global Health, Duke Global Health Institute
- Professor in Orthopaedic Surgery

Education and Training
- PhD, University of Washington
- MD, University of Washington
- MMedSc, University of Southern California

Selected Awards and Honors
- Humanitarian of the Year, American Association of Neurological Surgeons
- Velji Global Health Education Faculty Award, Consortium of Universities for Global Health
- Health Care Hero Award, Triangle Business Journal
- Distinguished Alumnus of the Year, Pacific Lutheran University
- Leonard Palumbo Jr., MD Faculty Achievement Award, Duke University School of Medicine
- Sloan Research Fellowship-Neuroscience, Alfred P. Sloan Foundation

Areas of Interest
Haglund’s clinical expertise includes spinal surgery, especially cervical spine surgery, and surgical treatment of epilepsy. He was recently ranked the top cervical spine surgeon in the country by MPIRICA, an analytical company that reviews surgical outcomes. His work on epilepsy incorporates the latest technologies, including outpatient brain surgery using laser treatment and advanced robotic techniques to place electrodes that localize the site of epileptic focus. As a clinician, Haglund is known for the importance he places on the patient as an individual. He was also instrumental in founding Duke’s Division of Global Neurosurgery and Neurology, which he serves as division chief. Its members—faculty, graduate and medical students, undergraduates, and researchers, mostly in the Duke Global Health Institute—primarily work to build capacity, teaching, and collaborative research projects in Uganda and Tanzania.
GIVEN BY ETHICON ENDO-SURGERY, INC., AND DUKE UNIVERSITY

Established in 2008 by Ethicon Endo-Surgery, Inc., this endowment supports a Duke faculty member in the field of minimally invasive surgery. Ethicon Endo-Surgery, Inc., is a Johnson & Johnson company that designs and manufactures innovative medical products and devices, and trains surgical teams to use them to perform minimally invasive procedures.

THEODORE N. PAPPAS, MD
Duke Surgical Innovation Professor

Additional Appointments and Affiliations
- Professor of Surgery
- Vice Dean, Medical Affairs
- Division Chief, Advanced Oncologic and Gastrointestinal Surgery

Education and Training
- Intern, Junior Resident, Senior Resident, and Administrative Chief Resident, Brigham and Women’s Hospital, Harvard University
- MD, Ohio State University

Selected Awards and Honors
- F.D. Moore Resident Teaching Award, Brigham and Women’s Hospital, Harvard University
- Ruth Pike Memorial Lectureship, Penn State University
- David C. Sabiston Jr. Resident Teaching Award, Duke University
- 100 Buckeyes You Should Know, Ohio State University Alumni Association
- Leonard Palumbo Jr., MD, Faculty Achievement Award, Duke University School of Medicine

Areas of Interest
Pappas has a long interest in understanding the importance of the volume-quality relationship for surgeons. In addition, he has extensively studied the impact of surgical trainees on outcomes for patients and is trying to fully understand the importance of robotic surgery to the future of cancer surgery. Pappas also has extensive experience in aggressive surgical approaches to pancreatic cancer. Other areas of interest include stomach surgery for ulcer disease or cancer, treatment of complications of pancreatitis, routine and complicated gall bladder disease, and inguinal hernia repair.

GIVEN BY DUKE UNIVERSITY

The Duke University Distinguished Service Professorships were established by the university to recognize exceptional service to Duke as a whole, typically in an administrative role, and above and beyond achievements in a single discipline.

LEONARD D. SPICER, PHD
Duke University Distinguished Service Professor of Radiology

Additional Appointments and Affiliations
- Professor of Radiology
- Professor in Biochemistry
- Member, Duke Cancer Institute
- Member, Duke Human Vaccine Institute

Education and Training
- PhD, Yale University

Selected Awards and Honors
- Fellow, American Association for the Advancement of Science
- Duke University Award for Merit
- Faculty, National Science Foundation-American Association for the Advancement of Science Chautauqua program
- Teacher-Scholar Award, Camille and Henry Dreyfus Foundation

Areas of Interest
The focus of Spicer’s laboratory is the study of structure-function relationships in biological macromolecules and their binding interactions. The principal method that the lab uses for system characterization is magnetic resonance spectroscopy. One specific area of interest is structural characterization of functional domains in proteins that regulate the transcription of DNA coding. Spicer’s research also includes a systematic approach to characterizing candidate vaccines for HIV and designing selective potential therapeutic drug candidates for pathogenic fungal diseases.
EPONYMOUS

In 1934 Eleanor Easley became the first woman to graduate from Duke’s four-year medical school program and the first female resident at the hospital. She was a member of the Duke University house staff and an associate in obstetrics and gynecology. Easley worked at Lincoln, Watts, Durham County General, and Duke Hospitals, and co-founded the state’s first medical partnership—the Durham Women’s Clinic—which is still a thriving practice today. The clinic was one of the first in the area to hire a nurse midwife. Easley was also a pioneer in the use of anesthesiology for labor and delivery, as well as education about birth control, detection of breast cancer, and preparation for childbirth. In the 1960s and 1970s, Easley gave many presentations on the subject of women working and living in a male-dominated culture.

L. EBONY BOULWARE, MD, MPH

Eleanor Easley Professor of Medicine

Additional Appointments and Affiliations

- Chief, Division of General Internal Medicine
- Director, Duke Clinical and Translational Science Institute
- Vice Dean for Translational Sciences
- Associate Vice Chancellor for Translational Research

Education and Training

- MD, Duke University School of Medicine
- MPH, Johns Hopkins University

Selected Awards and Honors

- Member, American Society of Clinical Investigation
- Member, National Academy of Medicine

Areas of Interest

Boulware is a general internist and clinical epidemiologist. She studies mechanisms to improve the quality and equity of health care and health outcomes for patients and populations with chronic diseases including kidney disease and hypertension. Much of her work focuses on how the characteristics of patients, health care providers, and health care organizations contribute to patients’ health outcomes, and importantly, inequities in health outcomes. Boulware frequently directly engages patients, their family members, community members, and other stakeholders in her work. As director of the Duke Clinical and Translational Science Institute, Boulware spends a great deal of her effort developing new ways scientists at Duke and across the nation can speed the pace at which the benefits of scientific discoveries reach patients, their families, and their communities.
The research done at Duke is among the best in the world. We knew that Duke would put our support to the most productive and beneficial use.”

FRANCES FOSTER

C. Stephen Foster, T’65, MD’69, H5’70, spent 10 years at Duke. So much time that his West Virginia grandmother started joking with her quilting group that she worried Foster was a slow learner. In reality, he was anything but. He began his decade at Duke in 1960 as an undergraduate, then earned a medical degree and completed training in internal medicine, starting on a career path that eventually led him into the field of ocular immunology.

Foster, who now runs his own practice, The Massachusetts Eye Research and Surgery Institution, was on the faculty at Harvard for many years. But when it came time to think about philanthropy, his wife, Frances, who is a former ocular patient, told him, “Your heart is at Duke.”

The couple created an endowed professorship at Duke and have also launched and endowed a Center for Ocular Immunology, which will be directed by the Stephen and Frances Foster Professor. “This will be a unique academic center that can make advances with potentially blinding inflammatory disease,” Foster says.

Stephen Foster credits his Duke training with helping to inspire his career. During his Duke training in internal medicine, he had a lunch conversation with a colleague about the scarcity of work in the ocular immunology field. The conversation sparked Foster’s ongoing fascination with immune responses in the eye.

But the field of ocular immunology is not just of academic interest to the Fosters. When Frances Foster was a child, she lost the sight in one eye because of uveitis (inflammation of the middle layer of the eye). The couple wanted to prevent such a loss for others. “The research done at Duke is among the best in the world. We knew that Duke would put our support to the most productive and beneficial use,” Frances says.
GIVEN BY C. STEPHEN AND FRANCES FOSTER

The Duke University Distinguished Service Professorships were established by the university to recognize exceptional service to Duke as a whole, typically in an administrative role, and above and beyond achievements in a single discipline.

VICTOR L. PEREZ, MD
Stephen & Frances Foster Professor of Ocular Immunology and Inflammation

Additional Appointments and Affiliations
- Professor of Ophthalmology
- Director of the Foster Center for Ocular Immunology

Education and Training
- Fellow, Cornea and Uveitis, Massachusetts Eye and Ear Infirmary, Harvard Medical School
- Fellow, Ocular Immunology, Schepens Eye Research Institute, Harvard Medical School
- Research Fellow, Immunology, Brigham and Women’s Hospital, Harvard Medical School
- Resident, Ophthalmology, Massachusetts Eye and Ear Infirmary, Harvard Medical School
- MD, University of Puerto Rico School of Medicine

Selected Awards and Honors
- Patients’ Choice Award
- Compassionate Doctor Recognition

Areas of Interest
Perez is an internationally recognized clinician-scientist and authority in the complex field of cornea and ocular inflammatory diseases. In landmark studies, he established the sufficiency of immune effector mechanisms in macular degenerative disease and transplantation immunology. Perez complements his laboratory research with his work at the Foster Center for Ocular Immunology, evaluating and treating patients with ocular inflammatory diseases, conditions of the anterior segment, and uveitis. He has developed surgical techniques and therapies for the treatment of corneal blindness. The components of Perez’s work support his goal to preserve vision through innovation, personalized medicine, and a passion for advancement of ophthalmic science.
Donald F. Fortin, MD, Professor of Cardiology

GIVEN BY SUMMIT MEDICAL SYSTEMS INC.

Donald F. Fortin, MD, completed a cardiology fellowship at Duke and then joined the faculty as an assistant professor of cardiology. As director of data management for the Duke Databank for Cardiovascular Diseases, he was instrumental in converting the 1970s-era databank into a modern, mobile computer information system. Fortin then moved to Summit Medical Systems Inc. to commercialize the new information-systems software and later co-founded Cordillera LLC. He is now vice president of Celeris Corporation. Summit Medical Systems Inc. established this professorship and a fellowship in medical information technology in his honor.

ROBERT M. CALIFF, MD

Donald F. Fortin, MD, Professor of Cardiology

Additional Appointments and Affiliations
- Professor of Medicine
- Member, Duke Clinical Research Institute
- Vice Chancellor for Health Data Science

Education and Training
- Fellow, Cardiology, Duke University School of Medicine
- Resident, Internal Medicine, University of California, San Francisco
- MD, Duke University School of Medicine

Selected Awards and Honors
- Member, National Academy of Medicine
- Former Member, Cardiorenal Advisory Panel and Science Board’s Subcommittee on Science and Technology, Food and Drug Administration
- Former Member, Board of Scientific Counselors, National Library of Medicine

Areas of Interest
Califf is a practicing cardiologist and an internationally recognized expert in cardiovascular medicine, health-outcomes research, health care quality, and clinical research. He was Commissioner of Food and Drugs from 2016 to 2017 and Deputy Commissioner for Medical Products and Tobacco from 2015 to 2016. Previously, Califf was a professor of medicine and vice chancellor for clinical and translational research at Duke University, director of the Duke Translational Medicine Institute, and founding director of the Duke Clinical Research Institute.

HAI YAN, MD, PHD

Henry S. Friedman Professor in Neuro-Oncology

GIVEN BY AN ANONYMOUS DONOR

HAI YAN, MD, PHD

Henry S. Friedman Professor in Neuro-Oncology

Additional Appointments and Affiliations
- Professor of Pathology
- Professor of Pharmacology and Cancer Biology
- Member, Duke Cancer Institute

Education and Training
- Research Associate, Howard Hughes Institute, Johns Hopkins University
- PhD, Columbia University
- MD, Beijing Medical University

Selected Awards and Honors
- Scholar Award, Damon Runyon Cancer Research Foundation
- Peter A. Steck Young Investigator’s Award, Pediatric Brain Tumor Foundation
- Research Scholar Award, American Cancer Society
- Linse Bock Visiting Professorship in Neuro-oncology, Mayo Clinic
- Member, American Society for Clinician Investigation
- Team Science Award, American Association for Cancer Research
- Noteworthy Faculty, Duke School of Medicine

Areas of Interest
Yan researches molecular genetics and biology of cancer, with a focus on identification, characterization, and therapeutic targeting of driver mutations involved in the genesis and progression of brain cancers. Yan’s seminal discoveries of several mutations have formed the basis for the World Health Organization’s classification of gliomas and facilitated new understanding of gliomagenesis. His discoveries have also enabled more accurate diagnostic and prognostic information, as well as more personalized therapy and tailored clinical trials.
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THOMAS F. TEDDER, PHD
Alter Geller Professor for Research in Immunology

Additional Appointments and Affiliations
- Professor of Immunology
- Professor in Pediatrics
- Member, Duke Cancer Institute

Education and Training
- PhD, University of Alabama at Birmingham

Areas of Interest
Tedder’s laboratory focuses on the identification, structural characterization, and functional analysis of cell-surface molecules and signaling pathways that regulate B lymphocyte development and function. These studies lay the foundation for investigating mechanisms of immune dysregulation and the pathogenesis of immune disorders, such as autoimmunity, neoplastic transformation, and immunodeficiency syndromes in humans. Tedder’s expertise in cellular immunology, biochemistry, and molecular biology have led him to apply a wide range of techniques in understanding the regulatory pathways that govern normal and abnormal B cell function in mice and humans.

GEORGE BARTH GELLER
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JEFFREY CRAWFORD, MD
George Barth Geller Professor for Research in Cancer

Additional Appointments and Affiliations
- Professor of Medicine
- Member, Duke Cancer Institute
- Co-Director, Solid Tumor Therapeutics Program, Duke Cancer Institute

Education and Training
- MD, Ohio State University

Selected Awards and Honors
- Senior Fellow, Center for the Study of Aging and Human Development, Duke University Medical Center
- Award for Performance Excellence, Durham Veterans Affairs Medical Center
- The Wendell Rosse Fellows’ Teaching Award, Duke University Medical Center
- The R. Wayne Rundles Award for Excellence in Cancer Research
- Joseph C. Greenfield Faculty Award, Duke University School of Medicine

Areas of Interest
Crawford’s research interests include new treatment approaches to lung cancer, supportive care therapies including hematopoietic growth factors, and agents that affect muscle wasting. He has published more than 180 manuscripts and chapters. Crawford is principal investigator for the National Clinical Trials Network Lead Academic Site Grant at Duke, and for a national prospective registry evaluating outcomes of patients with non-small cell lung cancer in the era of targeted therapies and immune approaches.
George Barth Geller Professor for Research in Cancer

GIVEN BY GEORGE BARTH GELLER

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H. KIM LYERLY, MD

George Barth Geller Professor for Research in Cancer

Additional Appointments and Affiliations
- Professor of Surgery
- Professor in Immunology
- Professor of Pathology
- Affiliate, Duke Global Health Institute
- Member, Duke Cancer Institute

Education and Training
- MD, UCLA

Selected Awards and Honors
- Member, National Cancer Advisory Board
- Member, National Institutes of Health Council of Councils
- Member, Board, National Institute of Health Office of AIDS Research.
- Member Emeritus, Scientific Advisory Board, Susan G. Komen
- Member, the Burroughs Wellcome Foundation

Areas of Interest
A former director of the Duke Comprehensive Cancer Center (now Duke Cancer Institute), Lyerly is an internationally recognized expert in cancer therapy and immunotherapy. He has published more than 300 scientific articles and book chapters, and edited 10 textbooks on surgery, cancer immunotherapy, and novel cancer therapies. Lyerly has been actively involved in global cancer research and education for more than 10 years. For the past 15 years, he has led the Accelerating Anticancer Agent Development and Validation workshop with the U.S. Food and Drug Administration. He is also director of the Environmental Health Scholars Program, which studies the impact of the environment on health and cancer.

GEOFFREY D. RUBIN, MD

George Barth Geller Professor for Research in Cardiovascular Diseases

Additional Appointments and Affiliations
- Professor of Radiology

Education and Training
- MBA, Duke University
- MD, University of California, San Diego

Selected Awards and Honors
- Fellow, American College of Radiology
- Fellow, North American Society for Cardiovascular Imaging
- Fellow, Society of Computed Body Tomography & Magnetic Resonance

Areas of Interest
Rubin’s areas of interest are in cardiovascular and thoracic imaging, image processing, and computer vision in radiology, particularly 3D visualization, quantitation, and automated detection and characterization. He has also performed research in the fields of eye tracking and volumetric search in imaging data, and in computed tomography and magnetic resonance imaging.
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Brigid L.M. Hogan, PhD

Brigid L.M. Hogan, George Barth Geller Professor for Research in Molecular Biology

**Additional Appointments and Affiliations**
- Professor of Cell Biology
- Professor in Pediatrics
- Member, Duke Cancer Institute
- Chair, Department of Cell Biology

**Education and Training**
- Postdoctoral fellowship, Massachusetts Institute of Technology
- PhD, University of Cambridge
- MD, University of Cambridge

**Selected Awards and Honors**
- Investigator, Howard Hughes Medical Institute
- Member, American Society of Clinical Investigation
- Merit Award, National Institutes of Health
- Fellow, American Association for the Advancement of Science
- Fellow, American Academy of Arts and Sciences
- Fellow, Association of American Physicians
- Member, National Academy of Sciences of the USA

**Areas of Interest**
Hogan’s research focuses on the genetic regulation of embryo development using the mouse as a research model. Her work explores the role of genes and signaling pathways in directing and coordinating the development of the lung. She also studies the identity and regulation of different stem cells in the adult lung and their role in repair, fibrosis, and cancer.
**GIVEN BY GEORGE BARTH GELLER**

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**STEPHEN G. LISBERGER, PHD**

George Barth Geller Professor for Research in Neurobiology

**Additional Appointments and Affiliations**
- Professor of Neurobiology
- Chair, Department of Neurobiology
- Faculty Network Member, Duke Institute for Brain Sciences

**Education and Training**
- PhD, University of Washington

**Selected Awards and Honors**
- Fellow, American Academy of Arts and Sciences
- Alumni Investigator, Howard Hughes Medical Institute
- Young Investigator Prize, Society for Neuroscience
- Alfred P. Sloan Fellow
- Bernice Grafstein Prize for Mentoring Women in Neuroscience, Society for Neuroscience

**Areas of Interest**

Lisberger’s laboratory investigates how the brain learns motor skills and how people use what they see to guide movement. Lisberger is known for discovering where and how the brain uses past experience to refine motor activity. He has shown how single brain cells represent the motion of objects through the world, how the electrical activity of groups of brain cells changes as signals move through a complex circuit from sensory to motor areas of the brain, and how the brain ultimately composes its motor output. His research involves studies of eye movements using behavior, neural recordings, and computational analysis on behaving non-human primates.
George Barth Geller Professor for Research in Neurobiology

GIVEN BY GEORGE BARTH GELLER
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RICHARD MOONEY, PHD
George Barth Geller Professor for Research in Neurobiology

Additional Appointments and Affiliations
- Professor of Neurobiology
- Faculty Network Member, Duke Institute for Brain Sciences

Education and Training
- PhD, California Institute of Technology

Selected Awards and Honors
- Research Mentor of the Year, Duke University School of Medicine
- Master Teacher Award, Duke University School of Medicine
- Alfred P. Sloan Research Fellowship Award
- Esther and Joseph Klingenstein Fellowship in the Neurosciences
- Sloan Foundation Award
- Helen Hay Whitney Foundation Postdoctoral Fellowship
- McKnight Neuroscience Scholars Award

Areas of Interest
Mooney’s broad research goal is to understand neural mechanisms by which experience guides learning, behavior, and perception. His group explores the structure and function of sensorimotor circuits important to learned vocal communication in the songbird and to auditory-motor integration in the mouse. Mooney’s laboratory also has extensive experience with viral transgenic methods to manipulate gene expression, including genes implicated in human neurological disorders. Together, these methods provide a broad technical approach to identify neural circuit mechanisms important to vocal learning, perception, and communication.

KATHLEEN ANN COONEY, MD
George Barth Geller Professor of Medicine

Additional Appointments and Affiliations
- Chair, Department of Medicine
- Professor of Medicine, Medical Oncology
- Member, Duke Cancer Institute

Education and Training
- Fellow, Division of Hematology/Oncology, Department of Internal Medicine, University of Michigan, Ann Arbor
- Chief Medical Resident, Department of Internal Medicine, University of Michigan, Ann Arbor
- Intern and Resident, Department of Internal Medicine, University of Michigan, Ann Arbor
- MD, University of Pennsylvania School of Medicine

Selected Awards and Honors
- Jerome W. Conn Award, Department of Internal Medicine, University of Michigan
- Frances and Victor Ginsberg Professor of Hematology/Oncology, University of Michigan
- H.A. and Edna Benning Presidential Endowed Chair, University of Utah
- Member, American Clinical and Climatological Association
- Master of the American College of Physicians

Areas of Interest
Cooney is internationally known for her investigations focused on the genetic epidemiology of prostate cancer. Her research led to the important discovery of a recurrent mutation in the HOXB13 gene that increases the chances of being diagnosed with prostate cancer and is estimated to account for 5 percent of hereditary prostate cancer cases worldwide. Since men with HOXB13 mutations are at an increased risk of prostate cancer, they may benefit from participation in screening and potentially prevention protocols in the future. Cooney’s research continues to identify germline mutations associated with lethal and aggressive prostate cancer as well as prostate cancer in African-American men.
GEORGE BARTH GELLER

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SCOTT H. SODERLING, PHD

George Barth Geller Professor of Molecular Biology

Additional Appointments and Affiliations
- Chair, Department of Cell Biology
- Professor in Cell Biology
- Professor of Neurobiology
- Member, Duke Cancer Institute
- Faculty Network Member, Duke Institute for Brain Sciences

Education and Training
- Postdoctoral Fellow, HHMI, Oregon Health and Science University
- PhD, University of Washington

Selected Awards and Honors
- Whitehall Foundation Award
- March of Dimes Basil O’Connor Scholar
- Bryan Scholar Award for Neuroscience

Areas of Interest
Neural development of excitatory and inhibitory synapses and their ability to tune their strengths of connections in response to experience are essential for our ability to think, remember, express emotion, etc. Abnormalities of these synaptic connections contribute strongly to intellectual disability, autism, Alzheimer’s disease, and schizophrenia. Development of cutting-edge technologies to discover and analyze the inner components of these synapses and the cellular mechanisms underlying these disorders.

DENNIS J. THIELE, PHD

George Barth Geller Professor of Pharmacology and Cancer Biology

Additional Appointments and Affiliations
- Professor of Pharmacology and Cancer Biology
- Professor in Biochemistry
- Professor in Molecular Genetics and Microbiology
- Member, Duke Cancer Institute

Education and Training
- Postdoctoral Fellow, National Cancer Institute
- PhD, Rutgers University

Selected Awards and Honors
- Whitehall Foundation Award
- March of Dimes Basil O’Connor Scholar
- Bryan Scholar Award for Neuroscience

Areas of Interest
Thiele’s laboratory investigates important questions on the role of protein misfolding in diseases such as Huntington’s, Parkinson’s and Alzheimer’s. Research topics include how cells sense the presence of misfolded proteins and other cellular stresses and activate the expression of genes that prevent protein aggregation and maintain cellular function and viability. The lab also investigates how organisms acquire and detoxify copper, and how these processes are accomplished and regulated by membrane transporters, signaling molecules, and transcription factors.
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Thomas D. Petes, PhD
Minnie Geller Professor of Research in Genetics

Additional Appointments and Affiliations
- Professor of Molecular Genetics and Microbiology
- Member, Duke Cancer Institute

Education and Training
- PhD, University of Washington

Selected Awards and Honors
- Thomas Hunt Morgan Medal, Genetics Society of America
- Fellow, American Academy of Arts and Sciences
- Member/Foreign Associate, National Academy of Sciences
- Fellow, American Association for the Advancement of Science
- Fellow, American Academy of Microbiology

Areas of Interest
Pete’s lab is active in three related research areas: the mechanism of mitotic recombination; the genetic regulation of genome stability; and genetic instability associated with interstitial telomeric sequences. Almost all of the studies conducted in his lab are done using the yeast *Saccharomyces cerevisiae*.

Pamela S. Douglas
Ursula Geller Professor for Research in Cardiovascular Diseases

Additional Appointments and Affiliations
- Professor of Medicine
- Member, Duke Clinical Research Institute

Education and Training
- Fellow, Cardiology, Hospital of the University of Pennsylvania
- Resident, Internal Medicine, Hospital of the University of Pennsylvania
- MD, Virginia Commonwealth University

Selected Awards and Honors
- President, American College of Cardiology
- President, American Society of Echocardiography
- Member, External Advisory Council of the National Heart, Lung and Blood Institute
- Advisory Board Member, Scientific Advisory Board of the Patient Advocate Foundation

Areas of Interest
Over the past 30 years, Douglas has led several landmark multicenter government studies and pivotal industry clinical trials along with outcomes research. She is renowned for her scientific and policy work in improving the quality and appropriateness of imaging in clinical care, clinical trials, and registries, and through development and dissemination of national standards for imaging utilization, informatics, and analysis. Douglas has been a pioneer in a number of areas including heart disease in women, sports cardiology, and cardio-oncology.
DONALD P. MCDONNELL, PHD
Glaxo-Wellcome Professor in Molecular Cancer Biology

Additional Appointments and Affiliations
- Professor in Pharmacology and Cancer Biology
- Professor in Medicine
- Member, Duke Cancer Institute

Education and Training
- PhD, Baylor College of Medicine

Selected Awards and Honors
- Fellow, American Association for the Advancement of Science
- Pharmacia-ASPET Award for Experimental Therapeutics, American Society for Pharmacology and Experimental Therapeutics (ASPET)
- John P. Gibbons Professor of Psychiatry
- Senior Fellow, Center for Study of Aging

Areas of Interest
McDonnell researches the targets of drugs that account for more than 20 percent of all prescriptions written. His laboratory focuses on defining the mechanism of action of nuclear receptors whose expression and/or activity is implicated in the pathogenesis of breast and prostate cancer. McDonnell has a specific interest in defining the signaling pathways in these cancers in which the estrogen, progesterone, and androgen receptors are engaged. His research anticipates that by targeting critical steps in the signaling pathways of these receptors, molecules with new mechanisms of action can be developed that are likely to be more effective than existing drugs of this class.
Endowing a professorship at Duke is an outstanding way to not only support the university, but invest in the future and create a permanent legacy.

JAMES G. GILLS, MD

That spirit of mentoring is one of the many reasons why Gills and his wife Heather decided to establish an endowed professorship in the Department of Ophthalmology. “I believe the best use of our money is to train doctors who will in turn train more doctors,” Gills says. “Endowing a professorship at Duke is an outstanding way to not only support the university, but invest in the future and create a permanent legacy. I wanted to give back to the school that gave so much to me and my family, and endowing a professorship allowed me to provide continued support.“

The Gills named the professorship for their son, James Pitzer “Pit” Gills III, MD, and his wife Joy. “I was honored that my son chose to follow in my footsteps and attend Duke medical school,” Gills says. “Naming the chair after Pit and his wife allowed me to express my appreciation to his commitment and pride in his accomplishments.”

Gills says it is an honor to support the work of the current holder of the professorship, Edward G. Buckley, MD, who is also chair of the Department of Ophthalmology. (Interestingly enough, Edward G. Buckley, MD, worked in the lab of C. Edward Buckley, MD, for a year before he started medical school. The two are not related.) “Dr. Buckley is a very sound teacher and administrator of the department,” Gills says. “He is a leader of young doctors, and there is no greater calling than to teach our future physicians.”
GIVEN BY JAMES P. AND HEATHER GILLS

EDWARD G. BUCKLEY, MD
James Pitzer Gills III, MD, and Joy Gills Professor of Ophthalmology

Additional Appointments and Affiliations
- Professor of Ophthalmology
- Professor in Pediatrics
- Vice Dean for Education, Duke University School of Medicine
- Chair, Department of Ophthalmology
- Vice Chancellor for Duke–NUS Medical School Affairs

Education and Training
- Fellow, Neuro-Ophthalmology, Bascom Palmer Eye Institute, University of Miami Leonard M. Miller School of Medicine
- Fellow, Pediatric Ophthalmology, Bascom Palmer Eye Institute, University of Miami Leonard M. Miller School of Medicine
- Resident, Ophthalmology, Duke University School of Medicine
- Intern, Duke University School of Medicine
- MD, Duke University School of Medicine

Selected Awards and Honors
- Past President, American Association of Pediatric Ophthalmology and Strabismus (AAPOS)
- Past Chair, American Board of Ophthalmology
- Past Chair, Section of Ophthalmology, American Academy of Pediatrics
- Past President, American Orthoptic Society (AACO)
- Emeritus Editor-in-Chief, The Journal of AAPOS
- Lifetime Achievement Award, American Academy of Ophthalmology and AAPOS

Areas of Interest
Buckley is director of the pediatric ophthalmology fellowship program at Duke and has trained more than 60 clinical and 10 research fellows. He has published and/or edited eight books, 40 book chapters, and more than 150 peer-reviewed articles. He has delivered the Costenbader Lecture at AAPOS, the Richard Scobee Memorial Lecture at AACO, and the Marshal Parks Lecture at the AAO. Although Buckley is considered an expert in multiple aspects of pediatric ophthalmology, he is best known for his research and clinical innovations involving treatment of complicated strabismus and congenital cataracts.

GIVEN BY JAMES F. GLENN AND DUKE UNIVERSITY

James F. Glenn, MD, a Duke University School of Medicine alumnus, was chief of the Division of Urology from 1963 to 1980. He held leadership positions at many premier institutions, including Emory University School of Medicine and the University of Kentucky Medical Center. He served as president of the Société Internationale d’Urologie, receiving that organization’s highest honor. This professorship was established by the Duke Center for Urologic Research, Education, and Diseases Fund; Glenn made an additional contribution through his estate plans.

GLENN M. PREMINGER, MD
James F. Glenn, MD, Professor

Additional Appointments and Affiliations
- Professor of Surgery
- Professor of Urology
- Chief, Division of Urology, Department of Surgery

Education and Training
- Fellow, Mineral Metabolism, University of Texas Southwestern Medical Center
- Resident, Urology, University of North Carolina at Chapel Hill
- Resident, Surgery, University of North Carolina at Chapel Hill
- MD, New York University

Selected Awards and Honors
- Research Scholarship, Residents Committee Teaching Award, and Robert C. Flanagan Education Award, American Urological Association
- Member, American Association of Genitourinary Surgeons
- Lifetime Achievement Award, International Urolithiasis Society
- St. Paul’s Medal, British Association of Urological Surgeons

Areas of Interest
Preminger’s clinical and research interests include minimally invasive management of urinary tract stones. He directs metabolic evaluation and preventive medical treatment at the Duke Comprehensive Kidney Stone Center. With Pei Zhong, PhD, Preminger established the center’s lithotripsy laboratory to study shock wave physics and tissue effects within the realms of shock wave lithotripsy and intracorporeal lithotripsy devices. Preminger and Zhong have been awarded more than $10 million in research support from the National Institutes of Health and hold eight patents in shock wave lithotripsy design.
GIVEN BY J. LEONARD AND EUNICE GOLDNER AND BILLY R. JONES

J. Leonard Goldner, MD, completed residency training in orthopaedics at Duke. He was a James B. Duke Professor of Orthopaedic Surgery and chair of the Division of Orthopaedic Surgery from 1967 to 1984. A disciplined, compassionate, and dedicated physician and educator, Goldner led a number of professional orthopaedic societies and was honored with multiple awards. He and his wife, Eunice, established this professorship. When Leonard Goldner died in 2005, Billy R. Jones, the founder of Crown Fiber Communications Inc., made a gift to complete it, in recognition of outstanding care provided to him and his family by Leonard Goldner. Eunice Goldner died in 2017.

JAMES A. NUNLEY II, MD
Goldner Jones Professor of Orthopaedic Surgery

Additional Appointments and Affiliations
- Professor of Orthopaedic Surgery

Education and Training
- Fellow, Duke University School of Medicine
- Intern, UCLA
- Resident, UCLA
- Resident, Duke University School of Medicine
- MD, Tulane University

Selected Awards and Honors
- President or Past President, American Society of Reconstructive Surgery, American Orthopaedic Foot & Ankle Society, Southern Orthopaedic Association, Southeastern Hand Society
- American-British-Canadian Traveling Fellowship, American Orthopaedic Association
- J. Leonard Goldner Award, American Orthopaedic Foot & Ankle Society

Areas of Interest
Nunley’s main focus is ankle arthritis. He and his colleagues developed and patented the Vantage Total Ankle System, which is designed to conserve bone and allows for both stability and mobility in total ankle arthroplasty. At the Orthopaedic Research Laboratory, Nunley and his team investigate biomechanical properties of the deltoid ligament to identify ways to improve correction of the adult relaxed flat foot.

Edwin Crowell Hamblen Chair of Reproductive Biology and Family Planning

EDWIN C. HAMBLEN CHAIR OF REPRODUCTIVE BIOLOGY AND FAMILY PLANNING

Oxone of the School of Medicine’s original faculty members, Dr. Edwin C. Hamblen joined Duke as associate professor of obstetrics and gynecology. He became founder and emeritus director of the division of endocrinology, due to his international reputation as a groundbreaking researcher in reproductive endocrinology. In 1967 Duke University received a generous gift from an anonymous donor, designated to study the issue of population growth. In response, Duke created a chair in the department of obstetrics and gynecology and named it honor of Hamblen.

MATTHEW D. BARBER, MD
Edwin Crowell Hamblen Chair of Reproductive Biology and Family Planning

Additional Appointments and Affiliations
- Professor of Obstetrics and Gynecology
- Chair, Department of Obstetrics and Gynecology

Education and Training
- Fellow, Urogynecology and Pelvic Reconstructive Surgery, Duke University School of Medicine
- MHSCR, Duke University School of Medicine
- Resident, Obstetrics and Gynecology, Duke University School of Medicine
- MD, Jefferson Medical College of Thomas Jefferson University

Selected Awards and Honors
- Chair, Women’s Health Registry Alliance
- Past President, American Urogynecologic Society
- Past Member, Board of Directors of the American Urogynecologic Society
- District V Mentor of the Year, American College of Obstetricians and Gynecologists
- Rodney Appell Continence Care Champion Award, National Association for Continence

Areas of Interest
Barber is a nationally recognized educator, researcher, and surgeon specializing in urogynecology and pelvic reconstructive surgery. His primary research contribution has been conducting randomized clinical trials for treatment of benign gynecologic conditions, particularly surgical trials for pelvic floor disorders. Barber has led several single- and multi-site clinical trials, including landmark studies in treatment of urinary incontinence and pelvic organ prolapse, and use of robotic and laparoscopic surgery for treatment of gynecologic disease.
GIVEN BY FREDERIC M. AND ELIZABETH P. HANES

Frederic M. Hanes, MD, was a member of the original Duke University School of Medicine faculty and served as chair of the Department of Medicine from 1933 until 1946. Hanes proposed the creation of a pooled fund in the Department of Medicine, the basis for the innovative Duke Private Diagnostic Clinic. His bequest established this professorship to promote the highest level of medical training and research at Duke; Hanes’s wife, Elizabeth, made an additional bequest in his memory.

BARTON HAYNES, MD

Frederic M. Hanes Professor of Medicine

Additional Appointments and Affiliations

- Professor of Medicine
- Professor in Immunology and Global Health
- Member, Duke Center for AIDS Research
- Member, Duke Cancer Institute
- Director, Human Vaccine Institute

Education and Training

- Fellow, National Institutes of Health
- Resident, Duke University School of Medicine
- MD, Baylor University

Selected Awards and Honors

- AAII-Steinman Award for Human Immunology Research, American Association of Immunologists
- Lee Howley Sr. Prize in Basic Research, Arthritis Foundation
- Distinguished Investigator Award, American College of Rheumatology
- Alexander Fleming Award, Infectious Disease Society of America
- Fellow, American Academy of Arts and Sciences
- Member, National Academy of Medicine
- Fellow, National Academy of Inventors

Areas of Interest

Haynes’ laboratory is a leader in the fields of human host-pathogen interactions and immune reconstitution. His laboratory has defined the stages of human thymus development and performed critical experiments in mice that enabled successful human thymus transplantation. More recently, the laboratory studies the human immune response to emerging infections and works to develop an HIV-1 vaccine.
Merel H. Harmel
Professor of Anesthesiology

GIVEN BY MEREL H. HARMEL AND DUKE UNIVERSITY

Merel H. Harmel, MD, the “founding father” of the Duke Department of Anesthesiology, served as the department’s chairman from 1971 to 1983. He notably led the development of the world’s first electronic vital signs monitoring system. Duke University established this professorship and Harmel contributed through his estate.

Evan Kharasch, MD, PhD
Professor of Anesthesiology

Additional Appointments and Affiliations
- Professor of Anesthesiology
- Vice Chair for Innovation
- Director of Academic Entrepreneurship

Education and Training
- Research Fellow, Department of Anesthesiology, University of Washington School of Medicine
- Resident, Department of Anesthesiology, University of Washington School of Medicine
- MD, Northwestern University Feinberg School of Medicine
- PhD, Northwestern University

Selected Awards and Honors
- Member, National Academy of Medicine
- Editor-in-chief, Anesthesiology
- Lifetime Achievement Award, International Society for Anesthetic Pharmacology
- Professor of the Year, Distinguished Service Teaching Award, Washington University School of Medicine
- Excellence in Research Award, American Society of Anesthesiologists
- Mentoring Excellence in Research Award, American Society of Anesthesiologists

Areas of Interest
Kharasch is a leading expert on the pharmacology of anesthetic and pain drugs in perioperative and critical care. His research focuses on basic and clinical pharmacology, including drug disposition, pharmacodynamics, pharmacogenetics, and drug safety, and understanding individual variability in drug response. Kharasch served a pivotal role in the evaluation, testing, and regulatory approval of sevoflurane, currently the most widely used volatile anesthetic in the world. He also designed and performed testing of parecoxib, a parenteral COX-2 inhibitor. His current research involves the rational and optimal use of opioids for pain treatment. His second interest is in proteomic urine biomarkers of renal cancer, having discovered methods for noninvasive diagnosis, and in the development of molecular diagnostics.

Joanne Kurtzberg, MD
Chair of Pediatrics

Jerome S. Harris, MD, joined Duke as a biochemist. In 1937, he became an instructor in pediatrics under J. Buren Sidbury, one of two pediatricians in North Carolina at the time. He was the first J. Buren Sidbury Professor and served as chairman of the Department of Pediatrics. He trained himself in pediatric cardiology and introduced subspecialties to the Department of Pediatrics.

Joanne Kurtzberg

Additional Appointments and Affiliations
- Professor of Pediatrics, Pediatrics, Blood and Marrow Transplantation
- Professor of Pathology
- Director, Pediatric Blood and Marrow Transplant Program
- Co-Director, Stem Cell Transplant Laboratory
- Director, Carolinas Cord Blood Bank
- Director, Marcus Center for Cellular Cures
- Chief Scientific Officer and Chief Medical Officer, Robertson Clinical and Translational Therapy (CT²) Program
- Member, Duke Cancer Institute

Education and Training
- MD, New York Medical College

Selected Awards and Honors
- Lifetime Commitment Award, Hunter’s Hope
- Tree of Life Award, Leukemia and Lymphoma Society
- Children’s Miracle Achievement Award, Children’s Miracle Network
- Lifetime Achievement Award, Pediatric Blood and Marrow Transplant Consortium
- Citation Award for Achievement, Sarah Lawrence College
- William Cullen Bryant Award, New York Medical College

Areas of Interest
Kurtzberg conducts translational research involving normal and malignant blood-cell production. She played an important role in developing two novel antileukemia drugs that are now routinely used. Under Kurtzberg’s leadership, Duke established an internationally known children’s transplant program and the Carolinas Cord Blood Bank. The Robertson CT² program performs translational research, testing cord-blood expansion, cellular targeted therapies, and tissue repair and regeneration in babies with hypoxic ischemic encephalopathy, children with cerebral palsy and autism, and adults with acute ischemic stroke.
GIVEN BY DERYL AND MARY HART, FRIENDS OF DR. AND MRS. HART, AND THE DUKE ENDOWMENT

Deryl Hart, MD, was the third member of the Duke University School of Medicine faculty, and chair of the Department of Surgery from 1930 to 1960. He practiced general, thoracic, plastic, and neurological surgery, and won fame for the use of ultraviolet lights to control operating-room infections. Hart served as president of Duke University from 1960 to 1963, retired from the faculty in 1964, and died in 1980. Gifts from the Harts, their friends, colleagues, students, and patients established this endowment, and a 1980 gift from The Duke Endowment funded it to the level of a professorship.

E. SHELLEY HWANG, MD, MPH
Mary and Deryl Hart Professor of Surgery

Additional Appointments and Affiliations
- Professor of Radiology
- Vice Chair of Research, Department of Surgery
- Chief, Section of Breast Surgery
- Professor of Surgery, Surgical Oncology
- Co-Chair, Women’s Cancer Group Duke Cancer Institute

Education and Training
- Fellow, Breast Surgical Oncology, Memorial Sloan Kettering Cancer Center
- Resident, General Surgery, Cornell University
- Intern, General Surgery, Kaiser Foundation Hospital
- MPH, University of California at Berkeley
- MD, University of California at Los Angeles, David Geffen School of Medicine

Selected Awards and Honors
- One of Time magazine’s 100 Most Influential People 2016 for innovation in breast cancer research
- Member, National Cancer Institute Breast Cancer Steering Committee
- Principal Investigator, NCI Pre-cancer Atlas Moonshot Initiative

Areas of Interest
One of the world’s foremost experts in early-stage breast cancers, Hwang is an international leader in research to guide treatment for ductal carcinoma in situ (DCIS), the most common form of non-invasive breast cancer in the U.S., which accounts for about 20 percent of all new breast cancer cases diagnosed from mammogram screening. Hwang’s research interests include breast cancer prevention, personalizing treatment for early stage breast cancers, and understanding the genetic and immune determinants of cancer progression. Hwang is the national principal investigator of a clinical site open at 80 centers, the COMET trial, which studies methods to improve treatment for in situ breast disease. She is co-principal investigator of the international CRUK PRECISION Grand Challenge project on early-stage breast cancer, and she leads the multi-site collaboration NCI Pre-cancer Atlas project which includes researchers at Washington University, Stanford University, Harvard University, and Arizona State University, as part of the Human Tumor Atlas Network. Hwang was the top funded surgeon-scientist in the country in 2019.
“We just felt like we had to give back, so other people would have the opportunity to get the treatment that we received.”

— MARC SILVERMAN

The Harris’ first daughter, Margaret, was just three years old in 1995 when she was diagnosed. “The doctors at Duke provided hope—not false hope, but an attainable goal,” Gigi Harris says. “I remember the doctors saying, ‘We’re going to make her feel better, and let’s get through one day at a time.’” Margaret was treated with several chemotherapies, each of which worked for a while. Meanwhile, her family and friends rallied around. A friend had bumper stickers made up with Margaret’s name on them, in her favorite color—hot pink. “There were 3,000 bumper stickers all over our neighborhood, and Margaret would see them and know that people in Charlotte wanted her to feel better,” Gigi Harris says. Margaret was beginning preparations for a bone-marrow transplant when she passed away.

Mattye and Marc Silverman’s son David was diagnosed with glioblastoma while he was working his first job after graduating with Bachelor’s and Master in Accounting degrees from UNC-Chapel Hill. Initially, doctors told him he had six months to live. Under the care of Henry Friedman, MD, David lived two years. “Henry and David connected unbelievably,” Mattye Silverman says. “Henry would come in and just sit down on the floor and start talking to David, as friends.”

“When one drug didn’t work, they would try another one. It was a grueling and debilitating treatment, but Henry and the nurses were so wonderful. It was as good a treatment as David could have received anywhere,” Mattye Silverman says.

The couples decided to turn their shared bond into something positive—raising funds to help prevent what happened to them from happening to others.

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“We just felt like we had to give back, so other people would have the opportunity to get the treatment that we received and hopefully someday be able to help find not only far better treatments, but also real cures,” Marc Silverman says. Adds Mattye Silverman, “After serving on the Preston Robert Tisch Brain Tumor Board for 25 years, we have seen so many amazing advances such as the new poliovirus or other new treatments, we can foresee something that in 1997 we would have thought was not possible in our lifetime: that a brain tumor might just be a chronic disease that doesn’t kill people. Maybe something that Duke is doing with the funds we gave to the endowment can help to keep other parents from losing wonderful children.”
**GIVEN BY DERYL AND MARY HART, FRIENDS OF DR. AND MRS. HART, AND THE DUKE ENDOWMENT**

Deryl Hart, MD, was the third member of the Duke University School of Medicine faculty and chair of the Department of Surgery from 1930 to 1960. He practiced general, thoracic, plastic, and neurological surgery, and won fame for the use of ultraviolet lights to control operating-room infections. Deryl Hart served as president of Duke University from 1960 to 1963, retired from the faculty in 1964, and died in 1980. Gifts from the Harts, their friends, colleagues, students, and patients established this endowment, and a 1980 gift from The Duke Endowment funded it to the level of a professorship.

**PETER K. SMITH, MD**

*Mary and Deryl Hart Professor of Surgery*

**Additional Appointments and Affiliations**
- Professor of Surgery
- Chief, Division of Thoracic Surgery

**Education and Training**
- MD, Duke University School of Medicine

**Selected Awards and Honors**
- Phi Beta Kappa, Princeton University
- Member, Alpha Omega Alpha Honor Medical Society
- Distinguished Service Award, Society of Thoracic Surgeons
- Clinician Scientist Award, American Heart Association

**Areas of Interest**
Smith is principal investigator for the Duke site in the Cardiothoracic Surgery Clinical Trials Network. His clinical research interests in cardiac surgery include comparing coronary artery bypass grafting alone to bypass grafting with mitral repair for moderate ischemic mitral regurgitation. Smith has been awarded site funding from the U.S. Department of Veterans Affairs for cooperative clinical research trials at the Durham Veterans Affairs Medical Center, which aim to integrate clinical research, publications, and scholarship with advancement of clinically effective thoracic surgery. Smith is also chair of the American Medical Association Relative Value Update Committee, the primary source of physician-payment recommendations for the Centers for Medicare and Medicaid Services.

**Gary Hock Distinguished Professor of Global Health**

**GIVEN BY GARY HOCK**

The late Gary Hock, of Santa Barbara, California, was a Durham real estate developer, contractor, and philanthropist who made many gifts to Duke Health, including the purchase of sophisticated medical research equipment, funding for radiation oncology research, and support for Duke HomeCare & Hospice. He established this endowment in appreciation and support for the Department of Surgery and to ensure research funding in perpetuity.

**G. RALPH COREY, MD**

*Gary Hock Distinguished Professor of Global Health*

**Additional Appointments and Affiliations**
- Professor of Medicine
- Professor of Pathology
- Member, Duke Clinical Research Institute
- Vice Chair for Education and Global Health
- Director, Hubert-Yeargan Center for Global Health

**Education and Training**
- MD, Duke University

**Selected Awards and Honors**
- Robert J. Glaser Clinical Stars Program, Washington University
- Leonard Palumbo Achievement Award, Duke University
- Distinguished Alumni Award, Duke Alumni Association
- Research Mentoring Award, Duke University
- Friendship Award, People’s Republic of China, presented by Premier Wen
- Walter E. Stamm Mentor Award, Infectious Diseases Society of America
- Alumnus of the Year, Baylor College of Medicine

**Areas of Interest**
Corey’s research focuses on bacterial infections, including complicated skin and skin structure infections, postoperative wound infections, community-acquired pneumonia, hospital-acquired and ventilator-associated pneumonia, and endocarditis. His passion for global health led him to initiate global rotations for more than 400 internal-medicine trainees and, later, for trainees and faculty throughout the medical center. This program partners with other medical schools throughout the U.S. to provide both care and research throughout the world.
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THOMAS A. D’AMICO, MD
Gary Hock Family Surgery Professor

Additional Appointments and Affiliations
- Professor of Surgery
- Chief Medical Officer and Director, Thoracic Oncology, Duke Cancer Institute
- Director, Training Program in Thoracic Surgery
- Member, Duke Quality and Safety Committee
- Member, Curriculum Committee, Duke School of Medicine

Education and Training
- Fellow, Thoracic Surgery, Memorial Sloan-Kettering Cancer Center
- Resident, General/Cardiothoracic Surgery, Duke University School of Medicine
- MD, Columbia University College of Physicians and Surgeons

Selected Awards and Honors
- Member, Alpha Omega Alpha Honor Medical Society
- Faculty Research Fellowship, American College of Surgeons
- President’s Award, Southern Thoracic Surgical Association
- Dwight C. McGoon Award for Resident Education, Duke University
- Leonard Palumbo Achievement Award, Duke University
- Member, Board of Directors and Esophagus/Gastric and Lung Cancer Guidelines Committees; Chair, Quality and Outcomes Committee; National Comprehensive Cancer Network
- Associate Editor, Journal of Thoracic and Cardiovascular Surgery

Areas of Interest
D’Amico’s research interests focus on improving outcomes of surgery for lung cancer and esophageal cancer using minimally invasive techniques. As director of Duke Cancer Institute’s Thoracic Oncology Program, D’Amico supervises the clinical and research programs in lung cancer and esophageal cancer. He is also involved in improving safety and quality in patient care.

SCOTT RICHARD FLOYD, MD, PHD
Gary Hock and Lyn Proctor Associate Professor of Radiation Oncology

Education and Training
- Fellow, MIT Center for Cancer Research
- Resident, Harvard Radiation Oncology Program, Harvard Medical School
- Intern, Internal Medicine, Hospital of Saint Raphael
- MD, Yale University School of Medicine
- PhD, Yale University

Selected Awards and Honors
- Radiological Society of North America, Holman Pathway Seed Grant Recipient
- American Society for Radiation Oncology, Junior Faculty Career Research Training Award
- Klarman Scholar, Beth Israel Deaconess Medical Center
- Burroughs Wellcome Fund Career Award for Medical Scientists

Areas of Interest
Floyd’s interest in understanding the causes of primary and metastatic brain tumors and finding more effective therapies to fight these damaging diseases. He participates in clinical trials through the Preston Robert Tisch Brain Tumor Center at Duke and through the Departments of Radiation Oncology and Neurosurgery. Floyd also leads a basic science research laboratory to study brain tumors and identify and test new therapies. His lab focuses on studying mechanisms of DNA damage signaling and repair in human and other mammalian cells.
James M. Ingram
Professor of Gynecologic Oncology

GIVEN BY THE ESTATES OF RICHARD H. AND MARY LUCEIL VANSANT AND DUKE UNIVERSITY

Richard H. Vansant, who received his undergraduate and medical degrees from Duke, established this endowment to honor James M. Ingram, MD, and support the diagnosis, treatment, and study of cancer. The endowment was later changed to a professorship to support a scholar of true eminence and excellence in gynecologic oncology. Richard H. and Mary Luceil Vansant contributed to the endowment through their estate.

ANDREW BERCHUCK, MD
James M. Ingram Professor of Gynecologic Oncology

Additional Appointments and Affiliations
- Professor of Obstetrics and Gynecology
- Member, Duke Cancer Institute
- Chief, Gynecologic Oncology

Education and Training
- Fellow, Clinical Gynecologic Oncology, Memorial Sloan-Kettering Cancer Center
- Research Fellow, Cecil H. and Ida Green Center for Reproductive Biology Sciences, University of Texas Southwestern Medical School
- Resident, Obstetrics and Gynecology, Case Western Reserve University
- MD, Case Western Reserve University

Selected Awards and Honors
- Barbara Thomason Ovarian Cancer Research Professorship, American Cancer Society
- Prize for Outstanding Gynecologic Cancer Researcher, Claudia Cohen Research Foundation
- Past President, Society of Gynecologic Oncology
- Past Chair, Scientific Advisory Committee, Ovarian Cancer Research Fund
- Head, Steering Committee, International Ovarian Cancer Association Consortium

Areas of Interest
Berchuck cares for women with gynecologic cancers and leads a nationally recognized program in translational ovarian cancer research. This work includes genomic approaches, through involvement with “big science” initiatives such as the Cancer Genome Atlas Project and the international Ovarian Cancer Association Consortium (OCAC).

Charles Johnson, MD, Chair of Medicine

EPONYMOUS

Charles Johnson, MD, was the first African American faculty member at Duke University School of Medicine. Recruited in 1970 by then chair of the Department of Medicine, Eugene A. Stead Jr., MD, Johnson remained at Duke until he retired in 1996. He continues to serve as a professor of medicine emeritus in the Division of Endocrinology, Metabolism, and Nutrition. Johnson has been an advocate for racial equality and served as a mentor to others in the black community.

MYLES S. WOLF, MD
Charles Johnson, MD, Chair of Medicine

Additional Appointments and Affiliations
- Professor of Medicine
- Chief of Nephrology
- Member, Duke Clinical Research Institute

Education and Training
- MMedSc, Harvard Medical School
- Clinical and Research Fellow, Nephrology, Massachusetts General Hospital/Brigham and Women's Hospital
- Resident, Internal Medicine, Massachusetts General Hospital
- MD, State University of New York at Brooklyn

Selected Awards and Honors
- Councilor, International Society of Nephrology
- Member, American Society for Clinical Investigation
- Member, Association of American Physicians

Areas of Interest
Wolf is an internationally leading nephrologist and physician-scientist in the fields of disordered mineral metabolism and cardiovascular disease in patients with chronic kidney disease. His groundbreaking research of the phosphate-regulating hormone fibroblast growth factor 23 (FGF23) was instrumental in advancing new paradigms and identifying new therapeutic targets at the nexus of kidney and cardiovascular diseases. Wolf’s research on FGF23 helped to redefine the pathophysiology of disordered mineral metabolism in chronic kidney disease and has been adopted in textbooks and board exams. His clinical research identified elevated levels of FGF23 as a novel predictor of cardiovascular events and death, and his basic research suggested novel molecular mechanisms underlying these relationships.
This endowment was renamed in 2018 by Duke University to honor William Webb Johnston, MD’59, and Charles Raymond West, who have both dedicated their lives in service to Duke University. Johnston started the Division of Cytology within the Department of Pathology, and served as the Chief of Cytopathology for 25 years until his retirement in 1996. West, a 1954 graduate of Wofford College, was a familiar and beloved figure at Duke University, having served as Director of Corporate Payroll Services from 1968 until his retirement in 1995. President Nannerl O. Keohane personally presented West with the Duke University Award for Merit at the time of his retirement.

JIAOTI HUANG, MD, PHD
Johnston-West Endowed Department Chair of Pathology

Additional Appointments and Affiliations
- Professor of Pathology
- Professor in Pharmacology and Cancer Biology
- Member, Duke Cancer Institute

Education and Training
- PhD, New York University
- MD, Anhui Medical University, China

Selected Awards and Honors
- Postdoctoral Fellowship, Leukemia Society of America
- Scientific Exchange Award, Leukemia Society of America
- Eric A. Schenk Award for Excellence in Pathology Education, University of Rochester Medical Center
- Roberta Nieberg Faculty Teaching Award, UCLA Pathology and Laboratory Medicine

Areas of Interest
Huang is a physician-scientist with clinical expertise in pathologic diagnosis of genitourinary tumors, including tumors of the prostate, bladder, kidney, and testis. He studies prostate cancer, focusing on molecular mechanisms of carcinogenesis and tumor progression, biomarkers, imaging, and novel therapeutic strategies. Passionate about education, he has trained numerous residents, fellows, graduate students, and postdoctoral trainees.

Wolfgang Joklik, PhD, a James B. Duke Professor of Microbiology, emeritus, chaired the Department of Microbiology from 1968 to 1992 and co-founded the Duke Comprehensive Cancer Center (now Duke Cancer Institute). He was editor of the textbook Zinsser’s Microbiology, founder of the American Society for Virology, and a member of the National Academy of Sciences. With Nobel laureate Paul Berg, PhD, Joklik discovered the enzyme terminal transferase and was the first to examine the mechanism of action of interferon in 1964. Duke University established this endowment to honor Joklik’s contributions.

MICHAEL H. MERSON, MD
Wolfgang Joklik Professor of Global Health

Additional Appointments and Affiliations
- Vice President/Vice Provost, Global Affairs
- Professor of Medicine
- Professor in Community and Family Medicine
- Professor in the Sanford School of Public Policy
- Research Professor of Global Health

Education and Training
- Fellow, Johns Hopkins University
- Fellow, Harvard University
- Resident, Center for Disease Control
- Resident, Johns Hopkins University
- MD, State University of New York at Brooklyn

Selected Awards and Honors
- Arthur S. Flemming Award for Outstanding Federal Service
- Surgeon General’s Exemplary Service Medal
- Doctor of Science, Amherst College
- Ambassador, Paul G. Rogers Society for Global Health Research
- Member, The National Academy of Medicine

Areas of Interest
A noted global health authority, Merson served as director of the Diarrheal Diseases Program, the Acute Respiratory Infections Program, and the Global Program on AIDS at the World Health Organization. Before coming to Duke, he was founding dean of the Yale University School of Public Health. He is also the author of a seminal global health textbook and more than 175 peer-reviewed journal publications.
A PARTNERSHIP TO REVOLUTIONIZE CARDIOVASCULAR MEDICINE

Former Duke Health Board of Visitors member Pat Johnson says that her late husband, Richard “Dick” Johnson, T’52, became interested in medicine and in supporting cardiovascular genomics while serving as the longtime president of St. Mary’s Medical Center in West Palm Beach, Florida.

The Johnsons chose to support the growth of the field at Duke because it was Richard Johnson’s alma mater. “We’ve always loved Duke, especially the hospital and the medical field,” she says. The couple also recognized that Duke was a long-time frontrunner in the fields of cardiovascular disease, genetics, and genomics. Dick Johnson believed that Duke had the potential to revolutionize cardiovascular medicine.

The couple have expressed their love for Duke by volunteering their time; both served on Duke Health’s Board of Visitors, and Pat has served on the Duke Children’s National Board of Advisors. They felt it was also important to endow a professorship because it would provide dedicated support for a scientist working to achieve a long-term goal. “We knew a professorship would enable a single person with a really great talent to do something wonderful,” Pat says.

The current holder of the Richard and Pat Johnson Distinguished University Chair, William Kraus, MD, works to apply advances in genomics and other emerging sciences to understand how exercise and other interventions can be used to predict and manage individual risk for heart disease. Johnson and her family have hosted Kraus and his research partner and wife, Virginia Byers Kraus, MD, PhD, at their home in Florida. “They’re wonderful, and I’m very proud to be sponsoring that chair,” she says.
GIVEN BY RICHARD AND PAT JOHNSON

WILLIAM E. KRAUS, MD
Richard and Pat Johnson Distinguished University Professor of Cardiovascular Genomics

Additional Appointments and Affiliations
- Professor of Medicine, Cardiology
- Professor, School of Nursing
- Professor, School of Engineering
- Member, Duke Molecular Physiology Institute
- Member, Duke Cancer Institute

Education and Training
- Fellow, Cardiology, Duke University School of Medicine
- Resident, Duke University School of Medicine
- MD, Duke University School of Medicine

Selected Awards and Honors
- Clinician-Scientist Award, American Heart Association
- Established Investigator Award, American Heart Association
- Research Mentoring Award for Translational Research, Duke University School of Medicine
- Fellow, American College of Cardiology
- Fellow, American College of Sports Medicine; Member, Board of Trustees
- Fellow, American Heart Association; Nutrition, Physical Activity & Metabolism Council

Areas of Interest
Kraus’s training, expertise and research span a wide range of subjects, including human integrative physiology and genetics, animal exercise models, cell-culture models of skeletal muscle adaptation, and mechanical stretch. His practice in preventive cardiology focuses on cardiometabolic risk and exercise physiology for older athletes. Kraus’s work explores several areas, one of which is integrative physiologic examination of exercise effects in individuals with, or at risk of, disease (for example, coronary heart disease, congestive heart failure, and cancer). He also studies genetic determinants of disease risk in human subjects including early-onset cardiovascular disease, congestive heart failure, peripheral arterial disease, and metabolic syndrome. Another research focus is understanding cellular signaling mechanisms underlying normal adaptive responses of skeletal muscle to physiologic stimuli, such as occur in exercise conditioning, and abnormal, maladaptive responses to pathophysiologic stimuli for conditions including congestive heart failure, aging, and prolonged exposure to microgravity.
GIVEN BY EDWIN L. AND LUCILLE F. JONES
Edwin Jones was a graduate of the School of Engineering and served on the Duke University Board of Trustees. His family has supported Duke for decades. Gifts from the five children of Edwin L. Jones and his wife, Lucille; his mother, Anabel L. Jones; and the J.A. Jones Construction Company funded the Edwin L. Jones Sr. Cancer Research Building and have supported Duke Cancer Institute. Edwin and Lucille Jones established this endowment in 1979.

DARELL D. BIGNER, MD, PHD
Edwin L. Jones Jr. and Lucille Finch Jones Cancer Research Professor

Additional Appointments and Affiliations
- Professor of Pathology
- Professor of Surgery
- Professor of Neurosurgery
- Member, Duke Cancer Institute
- Director Emeritus, Preston Robert Tisch Brain Tumor Center

Education and Training
- Intern, Surgery, Duke University School of Medicine
- Fellow, Neurological Surgery, Duke University School of Medicine
- Clinical Associate, Medical Neurology, National Institutes of Health
- Resident, Neurosurgery, Duke University School of Medicine
- Resident, Medical Neurology, Duke University School of Medicine
- Resident, Neuropathology, Duke University School of Medicine
- PhD, Immunochemistry, Duke University School of Medicine
- MD, Duke University School of Medicine

Selected Awards and Honors
- Brain Tumor Research Award, Farber Foundation
- Brain Tumor Researcher of the Year Award, Tug McGraw Foundation
- Klaus Joachim Zülch-Preis for Molecular Neuro-Oncology, Max Planck Society
- Team Science Award, American Association for Cancer Research
- Lifetime Achievement Award, Society for Neuro-Oncology
- Feldman Founder’s Award, National Brain Tumor Society

Areas of Interest
Bigner’s research focuses on causes and mechanism of transformation of brain tumors. He also researches molecularly targeted therapy of primary and metastatic central nervous system tumors with monoclonal antibodies and their fragments.

GIVEN BY THE KARIS FAMILY AND THE DEPARTMENT OF ANESTHESIOLOGY
Joannes H. Karis, MD, was among the most distinguished faculty members of Duke’s Department of Anesthesiology. A remarkable leader, scientist, pioneer, and philanthropist, he was instrumental in the growth and development of Duke’s cardiac and pediatric divisions. His groundbreaking research helped to uncover the dangers of ultraviolet radiation in the operating room and to identify physiologic mechanisms of neuromuscular blockade agents. Karis also helped refine early physiological-monitoring and anesthesia-delivery systems that evolved to become essential components of the modern operating room.

WILLIAM MAIXNER, DDS, PHD
Joannes H. Karis, MD, Professor of Anesthesiology

Additional Appointments and Affiliations
- Professor in Anesthesiology
- Vice Chair of Research, Anesthesiology
- Director, Duke Center for Translational Pain Medicine

Education and Training
- DDS, University of Iowa
- PhD, University of Iowa

Selected Awards and Honors
- Distinguished Scientist Award, New York College of Dentistry
- Wilbert E. Fordyce Clinical Investigator Award, American Pain Society
- Distinguished Scientist Award, American Association for Dental Research

Areas of Interest
Maixner’s primary research focus is biological, environmental, and genetic factors involved in pain transmission and modulation. He oversees work at the Center for Translational Pain Medicine to: understand pathophysiological processes that mediate persistent pain conditions; translate new discoveries into clinical practice; create high-quality educational programming for clinical and research professionals and the public; and provide high-quality, comprehensive primary and specialized care. The center also aims to develop a common portal of entry by which patients will benefit from a multidisciplinary approach to management of pain conditions—a goal further realized in 2016 with the opening of Duke Innovative Pain Therapies.
Samuel L. Katz, MD, is an international expert on infectious diseases and vaccine research and development, as well as a global advocate for children’s health. A Wilbur C. Davison Professor of Pediatrics, Katz chaired Duke’s Department of Pediatrics from 1968 to 1990. Previously, he was a faculty member at Boston Children’s Hospital, where he spent 12 years working with Nobel laureate John J. Enders, PhD, to develop the attenuated measles virus vaccine. Duke University established this professorship to honor Katz for his leadership.

ANN M. REED, MD
Samuel L. Katz Professor in Pediatrics

Additional Appointments and Affiliations
- Professor of Pediatrics
- Chair, Department of Pediatrics
- Physician-in-Chief, Duke Children’s

Education and Training
- Fellow, Molecular Genetics, University of Chicago
- Fellow, Immunology/Rheumatology, Department of Pediatrics, Northwestern University Feinberg School of Medicine
- Resident, Department of Pediatrics, Akron Children’s Hospital
- MD, Medical College of Ohio

Selected Awards and Honors
- Executive Leadership in Academic Medicine, Drexel University College of Medicine
- Alumni of the Year Award, Medical College of Ohio, University of Toledo
- Member, Alpha Omega Alpha Honor Medical Society
- Sub-board Chair, American Board of Pediatrics
- National Meeting Chair, American Juvenile Arthritis Association
- Myositis Chair, Childhood Arthritis and Rheumatology Research Alliance
- Kunkel Society

Areas of Interest
Dr. Reed has spent her career caring for children with autoimmune disorders and immune dysfunction, in particular, those with juvenile dermatomyositis and auto-inflammatory disorders. She has overseen a research program for 24 years, studying the genetics and cause of human autoimmune disease. The long-term goal of Reed’s research team is to develop new biomarkers of diseases to identify those predisposed to develop disease, as well as monitor disease activity and response to treatment. Her team makes extensive use of genomics, gene expression, protein expression, and immunohistochemical techniques to study the inflammatory and non-inflammatory aspects of dermatomyositis diseases. Other autoimmune disease processes, including systemic lupus and vasculitis, have also been areas of focus.
GIVEN BY DUKE UNIVERSITY

Samuel L. Katz, MD, is an international expert on infectious diseases and vaccine research and development, as well as a global advocate for children’s health. A Wilburt C. Davison Professor of Pediatrics, Katz chaired Duke’s Department of Pediatrics from 1968 to 1990. Previously, he was a faculty member at Boston Children’s Hospital, where he spent 12 years working with Nobel laureate John J. Enders, PhD, to develop the attenuated measles virus vaccine. Duke University established this professorship to honor Katz for his leadership.

P. BRIAN SMITH, MD
Samuel L. Katz Professor in Pediatrics

Additional Appointments and Affiliations
- Professor of Pediatrics
- Chief, Division of Quantitative Sciences, Pediatrics
- Member, Duke Clinical Research Institute

Education and Training
- Fellow, Neonatal-Perinatal Medicine, Duke University
- Intern and Resident, Pediatrics, Duke University
- MPH, University of North Carolina at Chapel Hill
- MHS, Duke University School of Medicine
- MD, Mercer University

Selected Awards and Honors
- Robert M. Califf Award for Outstanding Mentorship, Duke Clinical Research Institute

Areas of Interest
Smith has made seminal contributions in the fields of pediatric drug safety, neonatal pharmacology, and the epidemiology of neonatal infections. His research has focused on breaking down barriers to appropriate drug dosing and safety studies in infants and children, especially in low-birthweight and premature infants. By relying on unique trial designs and funding from multiple sources, Smith has led efforts to close the therapeutic knowledge gap that exists in this vulnerable population. He is a recognized leader in implementation of networks dedicated to child health and is principal investigator for the Environmental influences on Child Health Outcomes (ECHO) Coordinating Center.
GIVEN BY DUKE UNIVERSITY

Samuel L. Katz, MD, is an international expert on infectious diseases and vaccine research and development, as well as a global advocate for children’s health. A Wilburt C. Davison Professor of Pediatrics, Katz chaired Duke’s Department of Pediatrics from 1968 to 1990. Previously, he was a faculty member at Boston Children’s Hospital, where he spent 12 years working with Nobel laureate John J. Enders, PhD, to develop the attenuated measles virus vaccine. Duke University established this professorship to honor Katz for his leadership.

WILLIAM J. STEINBACH, MD
Samuel L. Katz Professor in Pediatrics

Additional Appointments and Affiliations
- Professor of Pediatrics
- Chief, Division of Pediatric Infectious Diseases
- Professor in Molecular Genetics and Microbiology
- Member, Duke Human Vaccine Institute
- Core Faculty in Innovation and Entrepreneurship
- Director, Duke Pediatric Immunocompromised Host Program
- Co-Director of Research, Duke Transplant Center

Education and Training
- Fellow, Pediatric Infectious Diseases, Duke University School of Medicine
- Resident, Pediatrics, Stanford University School of Medicine
- MD, University of North Carolina at Chapel Hill School of Medicine

Selected Awards and Honors
- Outstanding Investigator Award (Top Translational Science in USA), American Federation for Medical Research
- Member, American Society for Clinical Investigation
- Member, Association of American Physicians
- Fellow, American Association for the Advancement of Science
- Fellow, American Academy of Microbiology
- Member, American Pediatric Society
- Member, Alpha Omega Alpha Medical Honor Society
- Fellow, Pediatric Infectious Diseases Society
- Fellow, Infectious Diseases Society of America

Areas of Interest
Steinbach is a basic, translational, and clinical researcher recognized for improving the diagnosis, treatment, and outcomes of immunocompromised patients with invasive fungal infections. His laboratory research has altered the paradigm of molecular signaling surrounding fungal pathogenesis through phosphoproteomic studies controlling virulence. His epidemiologic studies are the basis for the current clinical understanding of pediatric invasive fungal infections. He founded and directs the International Pediatric Fungal Network, a 55-site, National Institutes of Health-funded multi-national consortium coordinating both diagnostic and therapeutic studies that serve as the foundation for new international guidelines.
**Walter Kempner Professor of Medicine**

**HARVEY J. COHEN, MD**

*Walter Kempner Professor of Medicine*

**Additional Appointments and Affiliations**
- Professor of Medicine
- Professor in the School of Nursing
- Director, Center for the Study of Aging and Human Development
- Member, Duke Cancer Institute
- Faculty Research Scholar, Duke University Population Research Institute Center for Population Health and Aging

**Education and Training**
- MD, State University of New York Downstate Medical Center

**Selected Awards and Honors**
- Donald P. Kent Award, The Gerontological Society of America
- Joseph T. Freeman Award, The Gerontological Society of America
- B. J. Kennedy Award, American Society of Clinical Oncology
- Paul Calabresi Award, International Society of Geriatric Oncology
- Dennis W. Jahnigen Memorial Award, American Geriatrics Society
- Lifetime Achievement Award, Brooklyn College
- Co-chair, Cancer in the Elderly Committee, Alliance for Clinical Trials in Oncology

**Areas of Interest**

Cohen’s research addresses biologic pathways to functional decline with aging, geriatric assessment, and cancer in the elderly. Having conducted numerous studies on geriatric assessment approaches, he is now concentrating on applying comprehensive geriatric assessment tools to evaluation and treatment of elderly patients with cancer. Cohen’s previous work on geriatric oncology elucidated age-related patterns of disease presentation, treatment approaches, survivorship, quality of life, impact of comorbidities, and functional outcomes.

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**STUART JOHNSON KNECHTEL, MD**

*William R. Kenan, Jr. Professor*

**Additional Appointments and Affiliations**
- Professor of Surgery
- Member, Duke Clinical Research Institute

**Education and Training**
- Transplant Fellow, Surgery, University of Wisconsin–Madison School of Medicine
- Residency, Surgery, Duke University School of Medicine
- MD, Weill Cornell Medical College

**Selected Awards and Honors**
- Co-editor in Chief, *Transplantation Reviews*
- Co-editor, *Kidney Transplantation, Principles and Practice*
- Co-editor, *Textbook of Organ Transplantation*
- AST/Wyeth Senior Achievement Award in Clinical Transplantation, American Society of Transplantation
- Member of American Association of Physicians

**Areas of Interest**

Knechtle performs abdominal organ transplants in adults and children, concentrating on liver and kidney transplantation, liver resections, and portal hypertension surgery. During his career he has led or participated in a diverse portfolio of research projects. These projects have centered on the immunology of transplantation, including cellular and antibody-mediated immune responses and how they are influenced by immune cell depletion and co-stimulation blockade. Knechtle’s lab is developing improved therapies for a better understanding of the management of immune memory to help overcome immunologic sensitization by a previous transplant. His lab has been continuously funded by the National Institutes of Health for more than 25 years.
Soman Abraham
Grace Kerby Chair in the School of Medicine

Soman Abraham, PhD
Grace Kerby Chair in the School of Medicine

**Additional Appointments and Affiliations**
- Professor in Pathology
- Professor in Molecular Genetics and Microbiology
- Professor in Immunology
- Professor in the Emerging Infectious Diseases Program, Duke–NUS Medical School
- Member, Duke Cancer Institute

**Education and Training**
- Fellow, University of Tennessee at Memphis
- MS, Ahmadu Bello University
- PhD, Newcastle University

**Selected Awards and Honors**
- Fellow, American Association for the Advancement of Science
- MERIT Award, National Institutes of Health
- Fellow, American Society for Microbiology

**Areas of Interest**
Abraham is a recognized leader in the field of infectious diseases and immunology. His current research focuses on molecular interactions between infectious pathogens and various host cells, with the aim of developing new therapies and vaccination strategies. Abraham has made several influential and notable findings, including regarding ways that virulent pathogens such as salmonella, uropathogenic *E. coli*, and the *Yersinia pestis* circumvent the body’s immune defenses. His work has also revealed several effective strategies to combat infections, particularly urinary tract infections, that do not involve use of antibiotics. In collaboration with his Duke colleague, Herman Staats, PhD, Abraham also discovered the effectiveness of mast cell activators as powerful adjuvants for various vaccine formulations.

Kathleen A. McGann
Dr. Glenn A. Kiser and Muriel C. Kiser Professor of Pediatrics

**Additional Appointments and Affiliations**
- Vice Chair, Office of Pediatric Education
- Professor of Pediatrics, Division of Infectious Diseases
- Assistant Dean for Leadership Services

**Education and Training**
- Fellow, Infectious Diseases, Children’s Hospital of Philadelphia
- Pediatric Resident & Chief Resident, Children’s Memorial Hospital, Northwestern University
- MD, University of Pennsylvania

**Selected Awards and Honors**
- Faculty Outstanding Teacher Award, St. Louis Children’s Hospital (two-time recipient)
- Samuel Goldstein Award in Medical Student Education, Washington University
- AIDS Pioneer Award, The AIDS Foundation of St. Louis
- Teaching Program Award, Academic Pediatric Association
- Chair, Infectious Diseases Sub-board, American Board of Pediatrics
- Chair-Elect, Fellowship Director Executive Committee, Association of Pediatric Program Directors

**Areas of Interest**
McGann’s prior research focused on mother-to-child transmission of HIV. Her more recent scholarly interests are in medical education, including milestone-based assessments, tablet-enhanced teaching, innovative faculty development, and mentorship. She is a regular contributor to national workshops and initiatives on related topics, such as enhancing clinical competency committees, trainee remediation, workforce recruitment, fellowship funding, empowering fellows as leaders, addressing burnout, and enhancing resilience.
GIVEN BY GLENN AND MURIEL KISER
Glenn A. Kiser, MD, and his wife, Muriel, left nearly half of their estate to Duke’s Department of Pediatrics, the largest gift to the department from an individual. A 1941 graduate of the Duke University School of Medicine, Kiser operated a pediatrics practice in Salisbury, North Carolina, for seven years before becoming chief of pediatrics and chief of staff at Salisbury’s Rowan Regional Medical Center. This endowment supports a faculty member in the Department of Pediatrics.

JOHN W. SLEASMAN, MD
Dr. Glenn A. Kiser and Muriel C. Kiser Professor of Pediatrics

Additional Appointments and Affiliations
- Professor of Pediatrics, Allergy and Immunology
- Chief, Division of Allergy/Immunology, Pediatrics
- Chief, Division of Pulmonary and Sleep Medicine, Pediatrics
- Member, Duke Human Vaccine Institute
- Medical Director, Immunology Clinical Laboratory

Education and Training
- Research Fellow, Pathology, Dana-Farber Cancer Institute
- Clinical Fellow, Pediatric Infectious Diseases and Immunology, University of Florida College of Medicine
- Pediatric Chief Resident, University of Florida College of Medicine
- Pediatric Intern and Resident, University of Florida College of Medicine
- MD, University of Tennessee

Selected Awards and Honors
- Clinical Science Faculty Research Award, University of Florida
- Silver Award for Pediatric AIDS Research, Children’s Hospital of Philadelphia
- Medical Director, Duke Jeffrey Modell Foundation Diagnostic and Research Center

Areas of Interest
Sleasman’s research and clinical expertise focus on primary and secondary immune deficiency diseases and immunodiagnostics. His clinical studies have involved understanding how effective antiretroviral therapy prevents mother-to-child transmission of HIV and results in immune reconstitution in HIV-infected children and adolescents. His current research studies normal immunity in infants and children and response to vaccines by examining the relationship between the gastrointestinal microbiome and immune priming in infants.

GIVEN BY GLENN AND MURIEL KISER AND DUKE UNIVERSITY
Glenn A. Kiser, MD, and his wife, Muriel, left nearly half of their estate to Duke’s Department of Pediatrics, the largest gift to the department from an individual. An alumnus of the Duke University School of Medicine, Kiser operated a pediatrics practice before becoming chief of pediatrics and chief of staff at Rowan Regional Medical Center. This endowment supports a faculty member in the Department of Pediatrics who specializes in pediatric toxicology.

DANIEL K. BENJAMIN JR., PHD, MD
Kiser-Arena Professor of Pediatrics

Additional Appointments and Affiliations
- Professor of Pediatrics
- Member, Duke Clinical Research Institute

Education and Training
- Fellow, Duke University School of Medicine
- Resident, Children’s Hospital, University of Virginia
- MPH, University of North Carolina at Chapel Hill
- PhD, University of North Carolina at Chapel Hill
- MD, University of Virginia

Selected Awards and Honors
- Teaching Awards: Medical Student Education, Pediatrics; Student Education, University-wide; Medical Student Education, Medicine; University of Virginia
- Teaching Award, Resident Education, Pediatrics, Duke University
- Robert M. Califf Award for Outstanding Mentorship, Duke Clinical Research Institute
- Outstanding Mentorship in Clinical Research

Areas of Interest
Benjamin is Principal Investigator and chair of the National Institute of Child Health and Human Development’s Pediatric Trials Network. His team has established or is actively studying correct dosing and safety of more than 50 medicines commonly used in children. Benjamin’s group has enrolled more premature infants, at more sites, in more clinical trials of off-patent anti-infectives under an investigational new drug application than all other academic medical centers, pharmaceutical companies, and government agencies in the world, combined. Benjamin is recognized by the National Institutes of Health as a premier mentor and educator.
GIVEN BY GLENN AND MURIEL KISER AND DUKE UNIVERSITY
Glenn A. Kiser, MD, and his wife, Muriel, left nearly half of their estate to Duke’s Department of Pediatrics, the largest gift to the department from an individual. An alumnus of the Duke University School of Medicine, Kiser operated a pediatrics practice before becoming chief of pediatrics and chief of staff at Rowan Regional Medical Center. This endowment supports a faculty member in the Department of Pediatrics who specializes in pediatric toxicology.

MICHAEL COHEN-WOLKOWIEZ, MD, PHD
Kiser-Arena Professor of Pediatrics

Additional Appointments and Affiliations
- Professor of Pediatrics, Infectious Diseases
- Member, Duke Clinical Research Institute

Education and Training
- Fellow, Pediatric Infectious Diseases, Duke University School of Medicine
- Chief Resident, Pediatrics, Nicklaus Children’s Hospital
- Resident, Pediatrics, Nicklaus Children’s Hospital
- MD, Universidad Central de Venezuela
- PhD, University of North Carolina at Chapel Hill School of Medicine

Selected Awards and Honors
- Michael M. Frank Research Award, Duke Department of Pediatrics
- Young Investigator Award, Pediatric Infectious Diseases Society
- Honorary Fellowship Award, American College of Clinical Pharmacology

Areas of Interest
Cohen-Wolkowiez’s research has focused on developing new patient-centric (minimal risk) methods, clinical trial designs, and computational pharmacokinetic-pharmacodynamics (PK/PD) analytical approaches. These advances in clinical pharmacology methods have increased the feasibility of dosing trials in vulnerable populations (e.g. children, pregnant women, older adults) while generating regulatory-grade data for submission to FDA. He also is a very skilled and productive mentor with track-record of mentoring trainees to progression to independence in academic medicine as recognized by T-32 and K24 awards. Lastly, he has served in multiple leadership positions at Duke and is currently the Head of Pediatrics at the Duke Clinical Research Institute.

GIVEN BY DUKE UNIVERSITY
Professor Emeritus of Psychiatry and Behavioral Sciences K. Ranga Rama Krishnan, MB, ChB, served as dean of Duke–NUS Medical School. Krishnan—whose interests include late-life depression, bipolar disorder, and dementia—created a translational research center focused on depression in the elderly, the only such center in the U.S. funded by the National Institutes of Health. He served as chair of psychiatry at Duke from 1998 to 2009. Duke created this professorship in his honor to support a scholar of academic promise in biological psychiatry.

KAFUI DZIRASA, MD, PHD
K. Ranga Rama Krishnan Associate Professor

Additional Appointments and Affiliations
- Associate Professor of Psychiatry and Behavioral Sciences
- Assistant Professor in Biomedical Engineering
- Assistant Professor in Neurosurgery
- Associate Professor in Neurobiology
- Investigator, Duke Institute for Brain Sciences

Education and Training
- Resident, Psychiatry, Duke University
- PhD, Duke University School of Medicine
- MD, Duke University School of Medicine

Selected Awards and Honors
- Rising Star Award, International Mental Health Research Organization
- Sydney R. Baer Jr. Prize for Outstanding Achievement in Schizophrenia Research, Brain & Behavior Research Foundation
- Emerging Leader Award, Duke Medical Alumni Association
- Presidential Early Career Award for Scientists and Engineers

Areas of Interest
Dzirasa’s lab uses engineering approaches to uncover how changes in brain circuits lead to psychiatric illness. The lab uses in vivo electrophysiology, cell-type-specific neuromodulatory techniques, and other approaches to determine how neuropsychiatric risk genes interact with environmental stress to modify neural circuits that coordinate emotional and cognitive function. With this knowledge, they aim to develop devices to repair brain circuits in those suffering from psychiatric illnesses.
GIVEN BY LEON LEVINE, HOWARD LEVINE, AND LORI L. SKLUT

Leon Levine, the founder and chair emeritus of Family Dollar Stores, Inc., and his children, Howard Levine and Lori Sklut, established this endowment in memory of their wife and mother, Barbara Levine, who lost her battle with breast cancer when she was 27. Leon Levine has been a friend and supporter of Duke Health for more than 25 years, including serving on the Duke Hospital Advisory Board and the Duke Medicine Board of Visitors. The family also established the Barbara Levine Faculty Research in Cancer Endowment Fund and the Leon Levine Scholarship for students at Duke University School of Medicine. Completed in 1994, the Levine Science Research Center (LSRC) at Duke was named in honor of Leon and Sandra Levine, whose visionary philanthropy provided the largest gift the university had ever received from an individual at that time. The LSRC is among the leading single-site interdisciplinary research facilities in the United States.

DAVID G. KIRSCH, MD, PHD

Barbara Levine University Professor in Cancer

Additional Appointments and Affiliations

- Professor of Radiation Oncology
- Professor in Pharmacology and Cancer Biology
- Leader, Radiation Oncology & Imaging Program, Duke Cancer Institute

Education and Training

- Postdoctoral research, Massachusetts Institute of Technology
- Resident, Radiation Oncology, Massachusetts General Hospital
- PhD, Johns Hopkins University School of Medicine
- MD, Johns Hopkins University School of Medicine

Selected Awards and Honors

- Member, American Society for Clinical Investigation
- Dean’s Award for Excellence in Mentoring, Duke University Graduate School
- Ruth and A. Morris Williams Jr. Faculty Research Prize, Duke University School of Medicine
- Member, Association of American Physicians
- Outstanding Investigator Award, National Cancer Institute
- Fellow, American Association for the Advancement of Science

Areas of Interest

Kirsch is an internationally recognized radiation oncologist and research scientist with expertise caring for patients with bone and soft tissue sarcomas. He developed genetically engineered mouse models of soft tissue sarcoma, which his lab uses to investigate new therapies for sarcoma, metastasis, and molecular imaging technology. He also uses mouse genetics to study the impact of radiation on both normal tissue and tumors. Kirsch has shared the novel mouse strains generated at Duke with cancer researchers around the world.
GIVEN BY LINCOLN FINANCIAL GROUP
The Jefferson-Pilot Corporation, a North Carolina-based life insurance, annuity, employee benefits, and broadcast company, established this professorship in 1987 at the urging of Joseph M. Bryan, an executive committed to curing Alzheimer’s disease. The company merged with Lincoln National Corporation in 2006, creating the Lincoln Financial Group, one of the largest financial services organizations in the U.S. This professorship was renamed in recognition of the merger.

NICOLE CALAKOS, MD, PHD
Lincoln Financial Group Professor in Neurobiology

Additional Appointments and Affiliations
- Professor in Neurology
- Professor in Neurobiology
- Professor of Cell Biology
- Chief, Parkinson’s Disease and Movement Disorders Division of Neurology
- Medical Director, Parkinson’s Foundation Center of Excellence
- Faculty Network Member, Duke Institute for Brain Sciences
- Associate, Duke Initiative for Science & Society

Education and Training
- Resident, Neurology, University of California, San Francisco
- Intern, Medicine, University of California, San Francisco
- MD, Stanford University
- PhD, Stanford University

Selected Awards and Honors
- McKnight Foundation Memory and Cognitive Disorders Award
- Harrington Discovery Institute Scholar-Innovator Award
- Board of Directors, American Neurological Association
- American Society of Clinical Investigators

Areas of Interest
Calakos and her team study how synaptic plasticity leads to learning and adaptive behavior; and how its disruption causes diseases of the basal ganglia circuitry. The Calakos lab is recognized for its contributions to understanding habit formation, compulsive behavior, and dystonia and for generating advanced methodologies to study basal ganglia physiology. Calakos is a physician-scientist whose clinical subspecialty is in Parkinson’s disease and movement disorders.
Given by Lincoln Financial Group

The Jefferson-Pilot Corporation, a North Carolina-based life insurance, annuity, employee benefits, and broadcast company, established this professorship in 1987 at the urging of Joseph M. Bryan, an executive committed to curing Alzheimer’s disease. The company merged with Lincoln National Corporation in 2006, creating the Lincoln Financial Group, one of the largest financial services organizations in the U.S. This professorship was renamed in recognition of the merger.

Albert R. La Spada, MD, PhD

Lincoln Financial Group Professor in Neurobiology

Additional Appointments and Affiliations

• Professor of Neurology
• Professor in Neurobiology
• Professor in Cell Biology
• Affiliate, Regeneration Next Initiative

Education and Training

• Fellow, Medical Genetics and Pharmacology, University of Washington School of Medicine
• Resident, Clinical Pathology, University of Washington School of Medicine
• MD, University of Pennsylvania School of Medicine
• PhD, University of Pennsylvania School of Medicine

Selected Awards and Honors

• Paul Beeson Physician Faculty Scholar, American Federation for Aging Research
• Inductee, American Society for Clinical Investigation
• Lieberman Award, Hereditary Disease Foundation
• Distinguished Research Award, 5th International Molecular Mechanisms of Neurodegeneration Meeting
• Discover magazine: Top 100 Scientific Advances for 2012
• Inductee, Association of American Physicians
• Gund-Harrington Scholar Award, Harrington Discovery Institute
• Member, Chan-Zuckberberg Initiative Neurodegeneration Challenge Network

Areas of Interest

La Spada’s lab applies the tools of genetics, cell biology, and neuroscience to understand neurodegenerative disorders including Alzheimer’s disease, Parkinson’s disease (PD), amyotrophic lateral sclerosis (ALS), Huntington’s disease (HD), and cerebellar ataxias. The goal is to delineate molecular and cellular pathways by which neurons become dysfunctional and use this knowledge to devise rational therapies for these diseases. A key question in the field is the selective vulnerability of different neuronal populations in the various diseases. Inherited disorders such as HD are characterized by widespread expression of a mutant gene product throughout the central nervous system, but display circumscribed patterns of neuron dysfunction and demise. This is also apparent in genetic examples of common neurodegenerative diseases. The La Spada lab studies the molecular basis of three CAG/polyglutamine repeat diseases: HD, X-linked spinal and bulbar muscular atrophy, and spinocerebellar ataxia type 7, as well as ALS and PD. His group is developing therapies to treat these disorders by countering the effects of aging on pathways crucial for normal neural function.
GIVEN BY FRIENDS OF ROBERT MACHEMER

Known as the father of vitreoretinal surgery, Robert Machemer, MD, chaired the Department of Ophthalmology from 1978 to 1991, helping Duke build an international reputation in ophthalmology. He developed many techniques and surgical instruments now commonly used to restore sight to people with vitreoretinal diseases, diabetic retinopathy, and retinal detachments. This endowment was established by patients, friends, and colleagues in his honor.

SCOTT W. COUSINS, MD
Robert Machemer, MD, Professor of Ophthalmology

Additional Appointments and Affiliations
- Professor of Ophthalmology
- Professor in Immunology
- Vice Chair, Research, Department of Ophthalmology

Education and Training
- Postdoctoral Fellow, Microbiology and Immunology, University of Miami
- Research Fellow, Ophthalmology, University of Miami
- Instructor and Chief Resident, Ophthalmology, Washington University
- Clinical Fellow, Ophthalmology, University of Miami
- Resident, Ophthalmology, Washington University
- Intern, Internal Medicine, Case Western Reserve University
- MD, Case Western Reserve University

Selected Awards and Honors
- Clinician-Scientist Award, Alcon Research Foundation
- Invited Member, National Institutes of Health National Advisory Eye Council
- Member, American Academy of Ophthalmology
- Member, American Society of Retina Specialists
- Member, American Association of Immunologists
- Member, American Medical Association

Areas of Interest
Cousins oversees all basic science research and the Ophthalmology Site-Based Research Group, which administers clinical research for Duke Eye Center. A retina-trained ophthalmologist, he specializes in diagnosis and treatment of macular diseases, especially age-related macular degeneration, diabetic retinopathy, and retinal vascular diseases.

GIVEN BY FRIENDS OF ROBERT MACHEMER

Robert Machemer, known as the father of vitreoretinal surgery, was chair of the Department of Ophthalmology from 1978 to 1991, helping Duke build an international reputation in ophthalmology. He developed many techniques and surgical instruments now commonly used to restore sight to people with vitreoretinal diseases, diabetic retinopathy, and retinal detachments. This endowment was established by patients, friends, and colleagues. Machemer died in 2009.

GLEN J. JAFFE, MD
Robert Machemer, MD, Professor of Ophthalmology

Additional Appointments and Affiliations
- Professor of Ophthalmology
- Chief, Division of Retinal Ophthalmology, Vitreoretinal Diseases & Surgery

Education and Training
- Resident, University of California, San Francisco
- Resident, Medical College of Wisconsin
- Intern, Mount Zion Medical Center University of California
- MD, University of California, San Francisco

Selected Awards and Honors
- Young Investigator Award, Macula Society
- Golden Apple Teaching Award, Duke University School of Medicine
- Senior Honor Award, American Academy of Ophthalmology
- Senior Honor Award, American Society of Retina Specialists
- Lew. R. Wasserman Merit Award, Research to Prevent Blindness
- Editorial Boards: Retina, Current Opinions in Ophthalmology, and Ocular Surgery News

Areas of Interest
In his clinical practice, Jaffe treats patients with a variety of medical and surgical vitreoretinal and uveitis diseases. His clinical research interests include use of retinal imaging in clinical retinal treatment trials, and novel medical and surgical therapies for uveitis and other posterior segment disorders. Jaffe has been a pioneer in the development of sustained drug delivery systems to treat ocular disease and has participated in numerous clinical trials of new therapies for uveitis and vitreoretinal diseases. He directs a basic research program to investigate mechanisms responsible for macular degeneration.
Florence McAlister Professor of Medicine

GIVEN BY AMELIE MCALISTER UPHUR
Amelie M. Upshur was the daughter of William Henry McAlister, secretary and director of the American Tobacco Company. She established this professorship in 1936 as a memorial to her sister, Florence. Through her estate, she also supported the McAlister Auditorium at Tulane University in memory of her mother, and buildings at several colleges in honor of her father and other family members. The Florence McAlister Professorship was first held by Frederic M. Hanes, MD, a member of the original Duke medical faculty, and later by Eugene A. Stead Jr., MD, chair of the Department of Medicine from 1947 to 1967.

ANNA MAE DIEHL, MD
Florence McAlister Professor of Medicine

Additional Appointments and Affiliations
- Professor of Medicine, Gastroenterology
- Professor in Molecular Genetics and Microbiology
- Member, Duke Cancer Institute

Education and Training
- Fellow, Gastroenterology, Johns Hopkins University
- Resident, Johns Hopkins University
- MD, Georgetown University

Selected Awards and Honors
- Member, American Society of Clinical Investigation
- Member, American Association of Physicians
- Fellow, American Association for the Study of Liver Diseases (AASLD)
- Distinguished Achievement Award, AASLD
- Outstanding Women in Gastroenterology, American Gastroenterological Association
- Research Mentoring Award, Duke University
- Distinguished Faculty Award, Duke University

Areas of Interest
Diehl has a longstanding interest in liver injury and repair. Her team conducts studies on cultured cells, animal models of acute and chronic liver damage, and samples from patients with various types of liver disease. Having established one of the world’s largest biorepositories of carefully phenotyped human liver samples, they use this unique resource to advance personalized treatment of liver disease patients. They also conduct clinical trials in patients with chronic liver disease.
ANTHONY R. MEANS, PHD
Anthony Means, PhD, Nanaline H. Duke Professor Emeritus of Pharmacology and Cancer Biology, was recruited to Duke in 1991 to lead the Department of Pharmacology and Cancer Biology, which he chaired for more than 10 years. He is recognized for his innovative, thoughtful, and effective leadership on countless initiatives that have significantly influenced science as well as the professional development of generations of scientists in the discipline of endocrinology. Means is a highly respected and beloved mentor to more than 200 scientists.

ANN MARIE PENDERGAST, PHD
Ann Marie Pendergast

Additional Appointments and Affiliations
- Professor of Pharmacology and Cancer Biology
- Member, Duke Cancer Institute

Education and Training
- Postdoctoral Fellow, UCLA
- PhD, University of California, Riverside

Selected Awards and Honors
- Fellow, American Association for the Advancement of Science
- Special Fellowship, Leukemia Society of America
- Whitehead Scholar, Duke University School of Medicine
- Scholar, Leukemia Society of America
- Gertrude Elion Cancer Research Award, American Association for Cancer Research
- Frank Rose Memorial Lecture Award, British and Irish Associations for Cancer Research
- Stohlman Scholar Award, Leukemia Society of America

Areas of Interest
Pendergast’s research seeks to define pathways that integrate activation of diverse growth factor, chemokine, and adhesion receptors to the regulation of morphogenesis, cell polarity, adhesion, barrier function, and migration during cancer and response to injury. Pendergast has a longstanding research interest in the role of protein tyrosine phosphorylation in normal development and disease. Her current research focuses on dissecting molecular mechanisms that promote metastasis in breast and lung cancer, and dissecting the role of Abl kinases in the lung epithelium during injury and regeneration, using mouse models.

BEVERLY C. MORGAN, MD
Beverly C. Morgan, MD, was a pioneer in the field of pediatric cardiology. After earning a medical degree from Duke in 1955, she was an intern and assistant resident in pediatrics at Stanford University Hospital. She completed a clinical fellowship in pediatrics and was a trainee in pediatric cardiology at Babies Hospital and at Columbia Presbyterian Medical Center in New York. She also completed a research fellowship at Columbia’s Pediatric College of Physicians and Surgeons, where she subsequently was an instructor. Morgan then directed the Heart Station at Robert B. Green Memorial Hospital in San Antonio, Texas, and was a lecturer in pediatrics at the University of Texas. She later accepted a research fellowship in pediatric cardiology at the University of Washington School of Medicine, where she was eventually named a professor of pediatrics and then department chair. She left Seattle to become a professor and chair of pediatrics at the University of California, Irvine, a position she held for eight years.

JENNIFER S. LI, MD
Jennifer S. Li

Additional Appointments and Affiliations
- Chief, Division of Pediatric Cardiology
- Professor of Pediatrics
- Professor in Medicine
- Member, Duke Clinical Research Institute

Education and Training
- MD, Duke University School of Medicine

Areas of Interest
Li’s research interests are in pediatric hypertension and hyperlipidemia, clinical trials in children with heart disease, and thrombosis in patients with congenital heart disease. She has also investigated enzyme replacement in Pompe disease and infective endocarditis.
Guy L. Odom, MD, was a James B. Duke Professor of Neurosurgery and chief of the Division of Neurosurgery. Earlier, he established a research and teaching laboratory in neuropathology and a brain tumor clinic. Odom served as president of the Society of Neurological Surgeons and the American Academy of Neurological Surgeons. Former Duke neurosurgery residents, colleagues, and friends established this endowment; upon Odom’s retirement, Duke funded it to the level of a professorship to support a clinical neurosurgeon who demonstrates the compassion, judgment, and skill that characterized Odom’s professional life.

ALLAN H. FRIEDMAN, MD
Guy L. Odom Professor of Neurological Surgery

Additional Appointments and Affiliations
- Professor of Neurosurgery
- Member, Duke Cancer Institute
- Deputy Director, Preston Robert Tisch Brain Tumor Center

Education and Training
- Vascular Fellow, University of Western Ontario
- Neurosurgical Chief Resident, Duke University School of Medicine
- Neurosurgical Resident, Duke University School of Medicine
- General Surgical Resident, Duke University School of Medicine
- MD, University of Illinois

Selected Awards and Honors
- James Scholar of Medicine, University of Illinois
- David Mortimer Olkon Award, University of Illinois
- Master Clinician/Teacher Award, Duke University

Areas of Interest
Friedman conducts collaborative research in the areas of primary malignant brain tumors, epilepsy, and subarachnoid hemorrhage. He has helped initiate clinical and laboratory trials to identify better treatment for primary malignant brain tumors, a condition currently associated with life expectancy of less than one year. Friedman is responsible for more than 90 percent of tumor resections and biopsies conducted at Duke. He also researches the origins of seizures and genetic causes of intracranial aneurysms.

Edward S. Orgain, MD, joined Duke University School of Medicine as an instructor in medicine and physiology after training at Massachusetts General Hospital, where he published one of the first scientific papers about atrial fibrillation. He became founding director of the Cardiovascular Diseases Service and started the Cardiovascular Diseases Fellowship Program. Orgain developed Duke’s first cardiovascular diagnostic unit and joined the faculty of the Division of Cardiology upon its establishment. This endowment was established by his friends, colleagues, students, and patients.

HOWARD A. ROCKMAN, MD
Edward S. Orgain Professor of Cardiology

Additional Appointments and Affiliations
- Professor of Medicine
- Professor in Molecular Genetics and Microbiology
- Professor in Cell Biology

Education and Training
- Fellow, Cardiology, University of California, San Diego
- Resident, Montreal General Hospital
- MD, McGill University

Selected Awards and Honors
- Kaiser Permanente Award for Excellence in Clinical Teaching, University of California, San Diego
- Member, American Society for Clinical Investigation
- Member, Association of American Physicians
- Master Clinician/Teacher Award, Duke University School of Medicine
- Research Mentoring Award, Duke University School of Medicine
- Distinguished Scientist Award, American Heart Association
- Distinguished Faculty Award, Duke University Alumni Association

Areas of Interest
Rockman’s laboratory is focused on understanding molecular mechanisms of hypertrophy and heart failure. His laboratory combines molecular techniques to generate transgenic and gene-targeted mouse models with physiologic measures of in vivo cardiac function. His work has advanced understanding of G protein-coupled receptor signaling, which could lead to development of novel drug treatments for heart failure.
GIVEN BY LASZLO ORMANDY
Laszlo Ormandy, MD, completed orthopaedic surgery training at Duke in 1942 with then-chief of the Division of Orthopaedic Surgery Lenox Baker, MD. He practiced surgery in the Washington, DC, area for many years and had fond memories of his time at Duke. He established this professorship through his estate in 1991.

STEVEN ZACHARY GEORGE, PHD
Laszlo Ormandy Professor in Orthopaedic Surgery

Additional Appointments and Affiliations
- Member, Duke Clinical Research Institute

Education and Training
- PhD, University of Pittsburgh
- BS, Physical Therapy, West Virginia University

Selected Awards and Honors
- Helen J. Hislop Award for Outstanding Contributions to Professional Literature, American Physical Therapy Association
- Catherine Worthingham Fellow, American Physical Therapy Association
- Award for Scholarly Impact on Practice, Florida Physical Therapy Association
- John HP Maley Lecture Award, American Physical Therapy Association
- Jules M. Rothstein Golden Pen Award for Scientific Writing, American Physical Therapy Association
- J. Brooks Brown Research Award, Brooks Rehabilitation
- Ulf Lindblom Young Investigator Award for Clinical Sciences, International Association for the Study of Pain
- John C. Liebeskind Early Career Scholar Award, American Pain Society
- Eugene Michels New Investigator Award, American Physical Therapy Association

Areas of Interest
George’s primary interest is research involving biopsychosocial models for the prevention and treatment of chronic musculoskeletal pain disorders. His long term goals are to improve accuracy for predicting who is going to develop chronic pain and identify non-pharmacological treatment options that limit the development of chronic pain conditions.

CINDY L. AMUNDSSEN, MD
Roy T. Parker, MD, Professor of Obstetrics and Gynecology

Additional Appointments and Affiliations
- Professor of Obstetrics and Gynecology, Urogynecology
- Associate Professor of Surgery, Division of Urology
- Program Director, Female Pelvic Medicine and Reconstructive Surgery Fellowship
- Program Director, Benign Urology Research Scholars Training Program, NIDDK K12

Education and Training
- Female Urology Fellow, Surgery, University of Texas Health Science Center San Antonio
- Resident, Obstetrics and Gynecology, University of Texas Health Science Center San Antonio
- MD, University of Tennessee

Selected Awards and Honors
- Best Clinical Paper at Annual Meeting, Society for Urodynamics and Female Urology
- Prize-winning Essay Paper, Society for Urodynamics and Female Urology
- Best Clinical/Nonsurgical Paper, American Urogynecologic Society
- Roy M. Pitkin Award, Obstetrics and Gynecology Journal
- Rodney Appell Contience Care Champion, National Association for Continence
- Best Overall Paper, American Urogynecologic Society

Areas of Interest
Amundsen’s interests include application of nerve stimulation (InterStim therapy) for control of continence; evaluation of Botox therapy for urinary urge incontinence; minimally invasive pelvic organ prolapse surgery; and treatment for stress urinary incontinence with minimally invasive techniques.
Leonard R. Prosnitz, MD, was chair of the Department of Radiation Oncology at Duke from 1983 to 1995. He pioneered demonstration of the effectiveness of lumpectomy and radiation, rather than mastectomy, in treating early-stage breast cancer, and of the combination of radiation and chemotherapy for malignant lymphomas and other cancers. Prosnitz was a leader in establishing Durham’s Caring House, which offers lodging and support services for adults undergoing cancer treatment at Duke. This endowment was established in 1996 by his patients, friends, and colleagues. Dr. Prosnitz is professor emeritus of radiation oncology.

DAVID M. BRIZEL, MD
Leonard Prosnitz Professor in Radiation Oncology

Education and Training
- Resident/Fellow, Harvard Joint Center for Radiation Therapy
- MD, Northwestern University

Selected Awards and Honors
- R. Wayne Rundles Award for Excellence in Cancer Research, Duke Cancer Institute
- Fellow, American Society for Radiation Oncology
- Strength, Hope, and Caring Award, Duke University Hospital
- Distinguished Faculty Award, Duke Medical Alumni Association

Areas of Interest
Brizel has conducted research on head and neck cancer for three decades. He led a phase 3 trial that was one of the first to demonstrate that radiotherapy and concurrent chemotherapy (CRT) was more efficacious than radiotherapy alone for treating locally advanced head and neck cancer; CRT has since been established as the nonsurgical standard of care for these diseases. Brizel’s recent research focuses on developing functional metabolic imaging. He also leads a clinical trial of a drug developed at Duke that is designed to protect normal tissues in the head and neck from side effects of CRT.

G. ALLAN JOHNSON, PHD
Charles E. Putman University Professor of Radiology

Education and Training
- PhD, Physics, Duke University

Selected Awards and Honors
- Editorial Board, Magnetic Resonance in Medicine
- Chairman, American College of Radiologists, Committee on Physics & Engineering
- Editor, Molecular Imaging and Biology
- Senior Fellow, International Society of Magnetic Resonance in Medicine
- INCF Waxholm Space Task Force
- Distinguished Investigator Award, Academy of Radiology

Areas of Interest
Johnson joined the Duke Department of Radiology in 1974 and worked with the first computed tomography (CT) system at Duke (the second such system in the country). As director of diagnostic physics for Duke Medical Center, he led efforts to translate CT and magnetic resonance (MR) technology into clinical application. In 1986 he established the Duke Center for In Vivo Microscopy. Over the last 15 years, Johnson’s interest has centered on MR histology of the rodent brain and developing brain atlases to benefit neuroscience researchers.
We felt that endowing a professorship was the best way to keep Jimmy’s memory alive and at the same time recognize the quality of care he received at Duke."

— ANNE POWELL

"Henry was at a point where he was qualified to become a full professor. We wanted to help make that happen so he wouldn’t go anywhere else. We felt that endowing a professorship was the best way to keep Jimmy’s memory alive and at the same time recognize the quality of care he received at Duke."

James Powell felt strongly that he wanted to ensure that Duke is the best it can be. “As a graduate of Duke University Medical School, I am interested in the school retaining its status as one of the finest in the country. Many of the achievements of world-class leaders in medicine like Henry would not be possible without endowed professorship funds,” he says.

Jimmy was the Powells’ first son together. “We were blessed to have three other children, one of which was on the way at the time of diagnosis,” Anne Powell says. “Even though his siblings did not know Jimmy, I think that their lives have been touched by his presence.” All of her children are involved in health care. Helen is a medical student, Ross plans to attend medical school, and John Banks works for a health care company in New York City.

The Powells serve on the Duke Cancer Institute Board of Advisors and are founding members of the advisory board of the Preston Robert Tisch Brain Tumor Center. Anne Powell is still an active member. “The board meetings are life-changing,” she says. “It’s truly like a family. It was 30 years ago that Jimmy died, but I’ve stayed connected with our group, and I value this association.”
GIVEN BY JAMES B. POWELL SR., AND ANNE POWELL

HENRY S. FRIEDMAN, MD
James B. Powell Jr. Professor of Pediatric Oncology

Additional Appointments and Affiliations
- Professor of Neurosurgery
- Assistant Professor in Pathology
- Associate Professor of Medicine
- Professor of Pediatrics
- Member, Duke Cancer Institute
- Co-Deputy Director, Preston Robert Tisch Brain Tumor Center
- Chief, Division of Medical Neuro-Oncology, Department of Neurosurgery

Education and Training
- MD, State University of New York Upstate Medical University

Selected Awards and Honors
- Visionary Award, Tug McGraw Foundation
- Gary Lichtenstein Humanitarian Award, Voices Against Brain Cancer Foundation
- Healthnetwork Service Excellence Award, Healthnetwork Foundation
- Distinguished Faculty Award, Duke University

Areas of Interest
Friedman is an internationally renowned academic adult and pediatric neuro-oncologist. His laboratory pursues comprehensive analysis of the biology and therapy of adult and childhood central nervous system (CNS) malignancies, particularly high-grade medulloblastoma, glioma, and ependymoma. The author of more than 500 peer-reviewed articles, reviews, and book chapters, Friedman has presented extensively at both international and national meetings. He is a committed educator, the senior editor of CNS Oncology, and a reviewer for more than 25 academic journals. Friedman also serves on the advisory board of a number of organizations, including Voices Against Brain Cancer and the National Children’s Cancer Society.

EPISTYMOUS

Robert J. Reeves, MD, received his medical degree from Baylor University. During his internship there, he decided to pursue a career in radiology. He was a resident in radiology at Massachusetts General Hospital before joining Columbia-Presbyterian Medical Center. When Duke established its School of Medicine, it chose Reeves as first chair of the Department of Radiology. Reeves was known for his talents as an educator and administrator. Starting with modest departmental facilities and one resident, he developed an efficient departmental team and an outstanding resident-training program.

ERIK K. PAULSON, MD
Robert J. Reeves Professor of Radiology

Additional Appointments and Affiliations
- Chairman, Department of Radiology
- Professor of Radiology

Education and Training
- Fellow, Duke University School Medicine
- Resident, University of Utah
- Intern, Duke University School Medicine
- MD, Duke University School Medicine

Selected Awards and Honors
- Awards of Excellence: Radiological Society of North America; American Roentgen Ray Society; Society of Computed Body Tomography and Magnetic Resonance; Society of Gastrointestinal Radiologists
- Member, Board of the American Roentgen Ray Society
- Past President, Society of Computed Body Tomography and Magnetic Resonance

Areas of Interest
Paulson has built an academic career around clinically driven research, particularly in cross-sectional imaging of the abdomen. His more than 200 peer-reviewed publications reflect sustained focus within three major areas of interest: hepatic cross-sectional imaging, computed tomography (CT) technology assessment, and image-guided intervention. His recent research focuses on clinical implementation of dual-energy CT and radiation-dose reduction in CT. Paulson’s work reflects collaboration within the Department of Radiology and with colleagues from the departments of medicine, pathology, and surgery.
Jerry Reves, MD, Professor of Cardiac Anesthesiology

GIVEN BY JOSEPH G. AND VIRGINIA REVES
Jerry G. Reves, MD, is recognized as a pioneer in modern anesthesiology. While associate professor of anesthesiology at the University of Alabama, he was the first physician to use Versed, the most common anesthetic used worldwide today, on a patient during surgery. Reves came to Duke in 1984. In 1985, he designed the anesthesia protocol for Duke’s first heart transplant. He co-founded the Duke Heart Center in 1987 and served as its director for 10 years. He was vice president for medical affairs and dean of the College of Medicine at the Medical University of South Carolina from 2001 to 2010. He and his wife, Virginia, established this endowment in 2006 to fund a professor in cardiac anesthesiology, combining an endowment they had previously established with planned gifts from Margaret Cathcart and gifts from other donors.

JOSEPH P. MATHEW, MD
Jerry Reves, MD, Professor of Cardiac Anesthesiology

Additional Appointments and Affiliations
- Professor of Anesthesiology
- Chair, Department of Anesthesiology

Education and Training
- MBA, University of Massachusetts at Amherst
- MHS, Duke University School of Medicine
- Fellow, Cardiovascular, Anesthesiology, Yale University
- Resident, Anesthesiology, Yale University
- MD, University of Texas Southwestern Medical School

Selected Awards and Honors
- Member, Foundation for Anesthesia Education and Research
- Academy of Research Mentors in Anesthesiology

Areas of Interest
Mathew’s areas of interest include the relationship between white-matter patency, functional connectivity, and neurocognitive function after cardiac surgery; the relationship between global and regional cortical beta-amyloid deposition and postoperative cognitive decline; the effect of lidocaine infusion on neurocognitive function after cardiac surgery; the association between genotype and outcome after cardiac surgery; and atrial fibrillation after cardiopulmonary bypass.

R.J. Reynolds Professor of Medicine

GIVEN BY THE R.J. REYNOLDS FOUNDATION
The R. J. Reynolds Tobacco Company was founded in 1875 in the town of Winston, North Carolina, now a part of the city of Winston-Salem. Throughout its history, R.J. Reynolds has used its resources to benefit people and programs across North Carolina. This endowment was the first of five that the foundation established at Duke.

MARY E. KLOTMAN, MD
R.J. Reynolds Professor of Medicine

Additional Appointments and Affiliations
- Dean, Duke University School of Medicine
- Professor of Medicine
- Professor in Molecular Genetics and Microbiology
- Professor in Pathology
- Member, Duke Human Vaccine Institute

Education and Training
- Fellow, Infectious Diseases, Duke University School of Medicine
- Resident, Duke University School of Medicine
- MD, Duke University School of Medicine

Selected Awards and Honors
- Member, Association of American Physicians
- Physician-in-Chief Pro Tempore, Brigham and Women’s Hospital
- Tinsley Randolph Harrison Society Invited Professor, Vanderbilt University
- Member, National Academy of Medicine
- Distinguished Alumni Award, Duke University School of Medicine
- Bullfinch Visiting Professor, Massachusetts General Hospital

Areas of Interest
An accomplished clinician and scientist, Klotman focuses her research on the molecular pathogenesis of HIV-1 infection. Among many important contributions to this field, she and her team demonstrated that HIV resides in and evolves separately in kidney cells, a critical step in HIV-associated kidney disease. Her research group has also determined the role of soluble host factors involved in an innate immune response to HIV in an effort to improve prevention strategies, including topical microbicides that could be used to block sexual transmission of HIV.
GIVEN BY FRIENDS OF REED AND MARTHA RICE
Reed P. Rice, MD, joined the Duke faculty in 1965 and was director of the Division of Diagnostic Radiology from 1974 to 1994. After his death in 1994, former Duke radiology residents, colleagues, and friends established this endowment to honor him and his wife, Martha, and to support a scholar in the field of radiology who demonstrates the qualities and skill that characterized Reed Rice’s professional life. Mrs. Rice died in 2015.

RENDON C. NELSON, MD
Reed and Martha Rice Professor of Radiology

Additional Appointments and Affiliations
• Professor of Mechanical Engineering and Materials Science
• Member, Duke Cancer Institute

Education and Training
• Fellow, Abdominal Imaging, Emory University
• Resident, Diagnostic Radiology, Loma Linda University
• MD, Loma Linda University

Selected Awards and Honors
• Fellow, American College of Radiology
• J. L. Clements Jr. and Brit J. Gay Jr. Teaching Award, Emory University
• William J. Barry Jr. Memorial Faculty Teaching Award, Duke University
• Cum Laude Research Award, Society of Computed Body Tomography and Magnetic Resonance
• Distinguished Service Award, American Board of Radiology

Areas of Interest
Nelson’s clinical and research interests are in diagnostic imaging of hepatobiliary and pancreatic processes and diseases. Specific interests include the detection and characterization of focal and diffuse processes by ultrasound, computerized tomography (CT), and magnetic resonance imaging (MRI). He also has expertise in radiation-dose and image-quality optimization with CT, dual-energy CT, and contrast-media techniques for CT and MRI.

GIVEN BY FRIENDS OF DR. CARY N. ROBERTSON AND DUKE UNIVERSITY
Called a “surgeon’s surgeon” by his peers, Cary N. Robertson, MD, is a urologic oncologist and associate professor who specializes in surgical management of complex genitourinary malignancies. This professorship was established in 2010 by patients, friends, and colleagues in appreciation of Robertson’s compassionate patient care, clinical excellence, and dedication to education.

BRANT A. INMAN, MD
Cary N. Robertson, MD, Associate Professor

Additional Appointments and Affiliations
• Associate Professor of Surgery
• Member, Duke Cancer Institute

Education and Training
• Fellow, Urologic Oncology, Mayo Clinic
• Resident, Urology, Université Laval
• MS, Mayo Medical School
• MD, University of Alberta

Selected Awards and Honors
• Leadership program (first-place project), American Urological Association
• Platinum Scalpel Award for Excellence in Teaching, Division of Urology, Duke University
• International exchange scholar, European Association of Urology and American Urological Association
• Gerald P. Murphy Scholar, American Urological Association

Areas of Interest
Inman’s clinical expertise is in surgical treatment of genitourinary cancers, with emphasis on bladder cancer and reconstruction of the urinary tract after bladder removal. Research in Inman’s laboratory focuses on novel therapies and diagnostic tests for genitourinary cancer, with a special interest in immunotherapy and heat-targeted therapies. Inman collaborates with North Carolina State University on projects related to the comparative oncology of human and canine bladder cancer.
GIVEN BY HELENA RUBINSTEIN FOUNDATION

A native of Poland, Helena Rubinstein immigrated to Melbourne, Australia, in 1889 at the age of 18. Two years later, she began a cosmetics business with a single product: lanolin. She expanded the business from Melbourne to London in 1902, to Paris in 1906, and to New York in 1912, earning a reputation as one of the world’s most successful businesswomen. She established the Helena Rubinstein Foundation in 1953 and funded it through her estate, following her death in 1965. The foundation supported programs in education, community services, the arts, and health; it closed in 2011. This endowment supports a professor in the Department of Ophthalmology.

VADIM Y. ARSHAVSKY, PHD
Helena Rubinstein Foundation Professor of Ophthalmology

Additional Appointments and Affiliations
- Professor in Pharmacology and Cancer Biology
- Faculty Network Member, Duke Institute for Brain Sciences
- Scientific Director, Ophthalmology

Education and Training
- Postdoctoral training, University of Wisconsin—Madison
- PhD, Lomonosov Moscow State University

Selected Awards and Honors
- Senior Investigator Award, Research to Prevent Blindness
- Alcon Award, Alcon Research Institute
- Proctor Medal, Association for Research in Vision and Ophthalmology
- Nelson Trust Award for Retinitis Pigmentosa, Research to Prevent Blindness

Areas of Interest
Arshavsky’s research is devoted to understanding the molecular and cellular mechanisms of vision. Most of his work is centered on the vertebrate photoreceptor, a sensory neuron responsible for light detection in the eye. Current projects in his laboratory address cell-biological processes responsible for building the light-sensitive organelle of photoreceptor cells and pathobiological mechanisms leading to loss of these cells in inherited blinding diseases.

GIVEN BY FRIENDS OF DAVID C. SABISTON JR.

David C. Sabiston Jr., MD, was a James B. Duke Professor of Surgery and chair of the Department of Surgery. He attended the University of North Carolina at Chapel Hill and Johns Hopkins University School of Medicine. After serving in the U.S. Army at Walter Reed Army Research Center, Sabiston returned to Johns Hopkins as a Howard Hughes Medical Institute Investigator, attaining the rank of professor before being recruited to Duke. He brought international prominence to Duke’s surgery department and became legendary as a tough but beloved mentor. When he retired, former Duke surgical residents, surgery faculty members, and friends established this professorship in his honor.

ALLAN D. KIRK, MD, PHD
David C. Sabiston Jr. Professor of Surgery

Additional Appointments and Affiliations
- Professor of Surgery, Abdominal Transplant Surgery
- Chair, Surgery, Clinical Science Departments
- Professor in Pediatrics
- Professor in Immunology
- Member, Duke Cancer Institute

Education and Training
- Fellow, Multi-Organ Transplantation, University of Wisconsin—Madison
- Research Fellow, Surgery, Duke University
- Chief Resident, Surgery, Duke University
- Senior Resident, Surgery, Duke University
- Intern and Junior Resident, Surgery, Duke University
- PhD, Duke University School of Medicine
- MD, Duke University School of Medicine

Selected Awards and Honors
- Fellow, American College of Surgeons
- Member, American Society of Clinical Investigation
- Member, American Surgical Association
- Member, Association of American Physicians
- Member, National Academy of Medicine

Areas of Interest
Kirk is an internationally recognized expert in organ transplantation. Among other accomplishments, he assembled the team that completed the first hand transplant carried out in North Carolina. Kirk pioneered the use of costimulation pathway blockade to prevent organ rejection in transplant patients.
GIVEN BY JAMES H. SEMANS AND THE MARY DUKE BIDDLE FOUNDATION
James H. Semans, MD, was a Duke surgeon and urologist, and a pioneer in rehabilitative and urinary surgery. He and his wife, Mary Duke Biddle Trent Semans, were involved in numerous charitable causes. James Seman served for 48 years on the Mary Duke Biddle Foundation, a trust established in 1956 to support education, religion, music, and the arts. At Duke, James and Mary Semans were instrumental in establishing the Health Arts Network and the Nasher Museum of Art. This endowment supports a faculty member in the field of urologic surgery.

JUDD W. MOUL, MD
James H. Semans, MD, Professor of Surgery

Additional Appointments and Affiliations
- Professor of Surgery
- Professor in Anesthesiology
- Member, Duke Cancer Institute

Education and Training
- Fellow, Urologic Oncology, Duke University
- Resident, Urology, Walter Reed Army Medical Center
- Resident, Surgery, Walter Reed Army Medical Center
- MD, Thomas Jefferson University

Selected Awards and Honors
- Gold Cystoscope Award, American Urological Association
- Bigher Foundation Award for Investigation of Stroke
- Fellow, American Association of Science
- John Mulliken Award for Research, International Society for the Study of Vascular Anomalies

Areas of Interest
Moul joined the Duke faculty in 2004 after a career in the U.S. Army Medical Corps, primarily at Walter Reed Army Medical Center. A retired colonel, he is a noted researcher and clinician in the area of prostate cancer, as well as a urologic oncologist. He has performed more than 1,500 radical prostatectomies since joining Duke and is committed to outcomes research in this and other areas of prostate cancer. He served as editor of *Prostate Cancer and Prostatic Disease* for more than a decade.

Dorothy J. Shaad/Angus M. McBryde Sr. Professor of Pediatrics

GIVEN BY DOROTHY J. SHAAD AND THE FAMILY OF ANGUS M. McBRYDE SR.
Dorothy J. Shaad, MD, was a National Research Council Fellow at Columbia Presbyterian Medical Center, a research assistant at Harvard University’s Howe Laboratory, and a technician at the Manhattan Eye and Ear Hospital. She completed a residency in pediatrics at Duke in 1945. Angus M. McBryde Sr., MD, served on the Duke faculty from 1931 to 1959, founding what is now known as the Division of Neonatology. This endowment was created through gifts from McBryde’s family and from planned and estate gifts from Shaad to honor their shared commitment to pediatric medicine and mentoring young physician-scientists.

RONALD N. GOLDBERG, MD
Dorothy J. Shaad/Angus M. McBryde Sr. Professor of Pediatrics

Additional Appointments and Affiliations
- Professor of Pediatrics
- Professor of Obstetrics and Gynecology
- Professor in the School of Nursing
- Chief, Division of Neonatology

Education and Training
- Fellow, Neonatology, University of Southern California
- Fellow, Neonatal Respiratory Diseases Division, University of Southern California
- Resident, Pediatrics, University of Southern California
- Intern, Pediatrics, University of Southern California
- MD, UCLA

Selected Awards and Honors
- Leonardo Palumbo Jr., MD Faculty Achievement Award, Duke University School of Medicine
- Michael M. Frank, MD, Research Prize, Duke Children’s Department of Pediatrics
- Faculty Mentor Award, Duke Children’s Department of Pediatrics

Areas of Interest
Goldberg’s research focuses on extremely low-birth-weight infants and includes work on perinatal asphyxia and neuroprotection, blood transfusion, and persistent pulmonary hypertension. He leads Duke’s Neonatal-Perinatal Research Institute and has been site Principal Investigator for Duke in the National Institute of Child Health and Human Development’s Neonatal Research Network.
GIVEN BY PAUL H. SHERMAN, MD

Paul H. Sherman, MD, Associate Professor of Surgery

Sherman attended Duke University and earned a medical degree from Duke University School of Medicine in 1946, through the World War II accelerated degree program. He was a prominent cardiothoracic surgeon who helped establish Florida Hospital’s reputation as a leader in cardiothoracic surgery, including performing the hospital’s first open-heart surgery in 1968. The hospital’s outpatient surgical center is named in his honor. While on faculty at UCLA and the University of Tennessee, Sherman helped develop the heart-lung bypass machine. Sherman established this endowment through his estate.

JONATHAN C. ROUTH, MD

Paul H. Sherman, MD, Associate Professor of Surgery

Additional Appointments and Affiliations
- Associate Professor of Surgery
- Associate Professor in Pediatrics
- Member, Duke Cancer Institute
- Member, Duke Clinical Research Institute

Education and Training
- Fellow, Pediatric Urology, Boston Children’s Hospital
- Fellow, Pediatric Health Services Research, Harvard Medical School
- Resident, Urology, Mayo School of Health Sciences
- Intern, General Surgery, Mayo School of Health Sciences
- MPH, Harvard School of Public Health
- MD, University of North Carolina at Chapel Hill

Selected Awards and Honors
- Chancellor’s Leadership Fellow, Duke University
- Chancellor’s Leadership Fellow, Duke Clinical Leadership Program
- Member, Sigma Xi Research Honor Society

Areas of Interest
Routh has played a leading role in developing Duke’s multidisciplinary programs in robotic and minimally invasive surgery, gender care/disorders of sex development, pediatric oncology, and renal transplant. His goal is to use rigorous research methods and analytic tools to ensure that every child with a urologic problem receives the best possible treatment, delivered the best possible way, at the best possible time.

GIVEN BY DUKE UNIVERSITY

William and Jane Shingleton Professor of Pharmacology and Cancer Biology

William W. Shingleton, MD, was a distinguished surgeon and founding director of the Duke Comprehensive Cancer Center, now Duke Cancer Institute. A signer of the 1971 National Cancer Act to appropriate federal funds to build 15 cancer centers for research, education, and care nationwide, Shingleton was also instrumental in developing and expanding Duke’s program into a nationally recognized cancer center. In 1987, he stepped down from the directorship, and Duke University established this professorship to honor his service. He continued to work on behalf of cancer patients as a clinician, researcher, and administrator for many years. Shingleton died in 2005, and his wife, Jane, died in 2015.

MICHAEL B. KASTAN, MD, PHD

Michael B. Kastan

Areas of Interest
Kastan’s research focuses on molecular mechanisms involved in cellular responses to DNA damage and other stresses. Such responses are important determinants of cell viability and mutagenesis, and influence development of a variety of human diseases. Findings from the Kastan Lab are leading researchers to develop small molecules with potential to protect normal tissues from radiation, chemotherapy, or hypoxia-reperfusion injury.
J. Buren Sidbury, MD, was widely recognized as a pioneer in the field of pediatrics. A 1908 graduate of Trinity College and a member of the Duke University Board of Trustees, he founded the Babies Hospital in Wrightsville Beach, North Carolina, in 1920. Sidbury established this professorship in 1965. He died in 1967.

REBECCA H. BUCKLEY, MD
James Buren Sidbury Professor of Pediatrics

Additional Appointments and Affiliations
- Professor of Pediatrics
- Professor in Immunology
- Member, Duke Cancer Institute

Education and Training
- MD, University of North Carolina at Chapel Hill

Selected Awards and Honors
- Member, National Academy of Sciences
- Member, National Academy of Medicine
- John Howland Award, American Pediatric Society

Areas of Interest
Buckley’s research focuses on human T, B, and NK cell development, and aberrations in their development and regulation. A unique resource available at Duke for her studies is data on the largest population in the United States of patients with genetically determined immunodeficiency diseases. This includes the world’s largest population of chimeras (individuals whose bodies contain living parts from another person) with long-term severe combined immunodeficiency disease treated at a single center. Some of these patients have been studied at Duke for more than 35 years.

Jonathan Spicehandler, MD, Professor of Neuro-Oncology

GIVEN BY J. BUREN SIDBURY

Jonathan Spicehandler, MD, was an infectious disease specialist who led research and development for the drugmaker Schering-Plough. He helped develop some of the company’s most significant pharmaceutical products, including interferon, an anticancer and antiviral therapy; Claritin; and the cholesterol-lowering medications Zetia and Vytorin. Shortly after being diagnosed with a brain tumor, Spicehandler organized a golf tournament to benefit brain tumor research at Duke. He was a patient at the Preston Robert Tisch Brain Tumor Center at Duke before losing his battle with cancer in 2006. His personal pledge, coupled with proceeds from the golf tournament, established this professorship.

MICHAEL R. ZALUTSKY, PHD
Jonathan Spicehandler, MD, Professor of Neuro-Oncology

Additional Appointments and Affiliations
- Professor of Radiology
- Professor in Biomedical Engineering
- Professor in Radiation Oncology
- Professor in Pathology
- Member, Duke Cancer Institute

Education and Training
- MA, Washington University
- PhD, Washington University

Selected Awards and Honors
- Berson-Yalow Award, Society of Nuclear Medicine
- Paul C. Aebersold Award for Outstanding Achievement in Basic Science Applied to Nuclear Medicine, Society of Nuclear Medicine
- MERIT Award, National Cancer Institute
- Distinguished Investigator, Academy of Radiology Research

Areas of Interest
Zalutsky’s laboratory develops novel radiochemistry strategies as the foundation for developing more specific and more potent labeled compounds for diagnosis and treatment of cancer and other diseases. The scope of this research, which begins with chemical investigations, includes evaluation of molecular-recognition properties of the labeled molecule, its cytotoxic potential, and pharmacokinetics and metabolism. With clinical colleagues, Zalutsky’s laboratory has played a key role in evaluating promising labeled compounds as molecularly targeted radiodiagnostics and radiotherapeutics.
Richard Sean Stack, MD, spent his entire academic medical career at Duke. He founded the Interventional Cardiology Program and led it from 1983 to 2002. After retiring from academia, he founded and served as a managing partner of Synecor LLC, a business generator and financial incubator for new medical device companies; it has since launched four medical-device companies. Stack is internationally recognized as a thought leader in the field of medical technology and has more than 100 worldwide patents issued or pending. His numerous awards include the 1995 International Award for Best Interventional Cardiology Experimental Research from Thoraxcentre. This endowment was established in 2004 by the Guidant Foundation in honor of Dr. Stark to support a faculty member conducting interdisciplinary research who incorporates genetic and genomic approaches to preventing and treating disease.

**MANESH RAMAN PATEL, MD**

Richard Sean Stack/Guidant Foundation Professor of Cardiology

### Additional Appointments and Affiliations
- Chief, Division of Clinical Pharmacology, Medicine, Cardiology
- Chief, Division of Cardiology
- Member, Duke Clinical Research Institute
- Core Faculty, Innovation & Entrepreneurship

### Education and Training
- Fellow in Cardiology, Duke University School of Medicine
- Medical Resident, Duke University School of Medicine
- MD, Emory University

### Selected Awards and Honors
- Chair, American College of Cardiology Task Force for Appropriate Use Criteria for Cardiovascular Procedures
- Chair, American Heart Association Diagnostic and Interventional Cath Committee
- Highly Cited Researcher, Top 1%, Clinical Medicine
- Duke Cardiology Fellowship Mentor Award
- Robert M. Califf Faculty Clinical Research Award
- Member, American Society For Clinical Investigation

**Areas of Interest**

Patel’s research interests include evaluating novel therapeutics including devices and diagnostic technologies for patients with coronary and peripheral vascular disease. He has been integrally involved in conducting clinical trials and outcomes assessments of technologies and therapeutics aimed at patients with cardiovascular disease with a focus on atherothrombosis and the care processes around diagnostic and interventional cardiovascular care. Currently, Patel is leading an effort to redesign the delivery of cardiac care to patients in the health system with a specific aim of studying, measuring, and providing individualized, patient centered, innovative, and efficient care.
Given by Duke University

This endowment, established to honor David and Sarah Stedman, supports the director of Duke’s Sarah W. Stedman Nutrition and Metabolism Center. David Stedman is a 1942 graduate of Trinity College. The Stedmans provided funds for construction of the Stedman Nutrition Center and a research laboratory for nutritional studies. They also provided programmatic support at the Stedman Center’s interdisciplinary basic and clinical research program.

Christopher B. Newgard, PhD
W. David and Sarah W. Stedman Professor of Nutrition

Additional Appointments and Affiliations
- Professor of Pharmacology and Cancer Biology
- Professor of Medicine
- Member, Duke Cancer Institute
- Affiliate, Duke Global Health Institute
- Director, Sarah W. Stedman Nutrition and Metabolism Center
- Founding Director, Duke Molecular Physiology Institute

Education and Training
- PhD, University of Texas Southwestern Medical Center at Dallas

Selected Awards and Honors
- Kayla Grodsky Award for Outstanding Basic Science Research, Juvenile Diabetes Research Foundation
- Outstanding Scientific Achievement (Lilly) Award, American Diabetes Association
- MERIT Award, National Institutes of Health
- Solomon Berson Prize, American Physiological Society
- Freedom to Discover Award in Metabolic Research, Bristol-Myers Squibb
- Donald Steiner Award for Outstanding Achievement in Diabetes Research, University of Chicago
- Distinguished Faculty Award, Duke Medical Alumni Association

Areas of Interest
Newgard’s laboratory uses an interdisciplinary research approach to increase understanding of cardiometabolic disease mechanisms. His work involves gene discovery, metabolic engineering, and comprehensive tools of metabolic analysis (“metabolomics”). Newgard has authored more than 320 peer-reviewed and review articles.

Given by the F. Bayard Carter Society of Obstetrics and Gynecology

In 1951, 15 former residents of Duke’s Department of Obstetrics and Gynecology organized the F. Bayard Carter Society to honor the first chair of the Department of Obstetrics and Gynecology. Today the Society consists of trainees, fellows, and faculty at Duke, and seeks to promote scientific knowledge in the field. The Society has established several endowments including this professorship to honor Walter L. Thomas, a physician and professor of obstetrics and gynecology at Duke from 1937 until the mid-1960s.

Evan R. Myers, MD
Walter L. Thomas Professor of Obstetrics and Gynecology

Additional Appointments and Affiliations
- Professor of Obstetrics and Gynecology
- Member, Duke Clinical Research Institute
- Member, Duke Cancer Institute

Education and Training
- Resident, Obstetrics and Gynecology, Duke University
- Robert Wood Johnson Clinical Scholar, University of North Carolina at Chapel Hill
- MPH, University of North Carolina at Chapel Hill
- MD, University of Pennsylvania

Areas of Interest
Myers’ research interests are in application of quantitative methods, especially mathematical modeling and decision analysis, to problems in women’s health. Recent and current activities include integration of simulation modeling and systematic reviews to inform decisions surrounding prevention and control of cervical, ovarian, and breast cancer; screening for postpartum depression; and management of uterine fibroids. Myers is the Principal Investigator for COMPARE-UF, a national prospective registry that collects evidence on the comparative effectiveness of treatments for uterine fibroids. Research for the registry is conducted through the Department of Obstetrics and Gynecology, the Duke Clinical Research Institute, and Duke Cancer Institute.
Josiah Charles Trent Professor of the History of Medicine

GIVEN BY MARY DUKE BIDDLE TRENT SEMANS AND JAMES H. SEMANS

This professorship was established by Mary Duke Biddle Trent Semans, trustee emerita of Duke University, and her husband, James H. Semans, MD, professor emeritus of urology, in loving memory of Josiah Charles Trent, MD. Trent was Mary Seman’s first husband. An associate professor of surgery and chief of the Division of Thoracic Surgery, he was also an authority on medical history and a writer who strove to humanize his profession and to narrow the gap between medicine and literature. The endowment has been supplemented over the years by gifts from the Mary Duke Biddle Foundation and the Josiah Charles Trent Memorial Foundation.

MARGARET E. HUMPHREYS, MD, PHD
Josiah Charles Trent Professor of the History of Medicine

Additional Appointments and Affiliations
- Professor of History
- Professor of Medicine
- Affiliate, Duke Global Health Institute
- Associate Chair, Department of History

Education and Training
- PhD, Harvard University
- MD, Harvard University

Selected Awards and Honors
- George Rosen Prize, American Association for the History of Medicine
- President, American Association for the History of Medicine
- Resident Scholar, National Humanities Center
- Charles A. Ryskamp Research Fellow, American Council of Learned Societies
- Fellow, National Humanities Center
- Frederick Burkhardt Residential Fellow, American Council of Learned Societies

Areas of Interest
A specialist in the history of science and medicine, Humphreys has focused her research and publication primarily on infectious disease in the United States and the American South, as well as the history of medicine during the American Civil War. She has also published on the history of diabetes, public health ethics, and colonial medicine.

DUKE HEALTH NAMED PROFESSORSHIPS DUKE UNIVERSITY SCHOOL OF MEDICINE

Josiah Charles Trent Scholar of Medical Humanities

Margaret E. Humphreys

Farr A. Curlin

Josiah Charles Trent Scholar of Medical Humanities

GIVEN BY MARY DUKE BIDDLE TRENT SEMANS AND JAMES H. SEMANS, MD

This professorship was established in 2005 by Mary Duke Biddle Trent Semans, trustee emerita of Duke University, and her husband, James H. Semans, MD, professor emeritus of urology, in loving memory of Josiah Charles Trent, MD. Trent, who died in 1948, was Mary Seman’s first husband. An associate professor of surgery and chief of the Division of Thoracic Surgery, he was an authority on medical history and a writer who strove to humanize his profession and to narrow the gap between medicine and literature. The endowment has been supplemented over the years by gifts from the Mary Duke Biddle Foundation and the Josiah Charles Trent Memorial Foundation.

FARR A. CURLIN, MD
Josiah Charles Trent Scholar of Medical Humanities

Additional Appointments and Affiliations
- Professor of Medicine
- Professor of Medical Humanities, Duke Divinity School
- Senior Fellow, Kenan Institute for Ethics at Duke University
- Director, Arete Initiative, Kenan Institute for Ethics at Duke University
- Co-Director, Theology, Medicine, and Culture Initiative, Duke Divinity School

Education and Training
- MD, University of North Carolina at Chapel Hill

Selected Awards and Honors
- Paul Ramsey Award for Excellence in Bioethics, Center for Bioethics and Culture
- David B. Larson Fellowship in Health and Spirituality, Library of Congress
- Faculty Scholar in Bioethics, The Greenwall Foundation
- Fellow, Center for Bioethics & Human Dignity

Areas of Interest
Farr practices palliative medicine and works with colleagues across Duke to develop opportunities for scholarship and education at the intersection of theology, medicine, and culture. His interests include: moral and spiritual dimensions of medical practice, particularly the doctor-patient relationship; moral and professional formation of physicians; and practices of care for patients at the end of life.
GIVEN BY FRIENDS OF JAMES R. URBANIAK AND DUKE UNIVERSITY

James R. Urbaniak, MD, has spent his entire career at Duke University, earning his medical degree, completing his residency, and serving on the faculty. A world-renowned hand and microvascular surgeon, he was chief of the Division of Orthopaedic Surgery from 1985 to 2002 and is currently the Virginia Flowers Baker Professor in Orthopaedic Surgery. He received the Duke Medical Alumni Association Distinguished Faculty Award and the William G. Anlyan, MD, Lifetime Achievement Award. His friends, family, and colleagues, together with Duke University, established this professorship in his honor in 2006.

BENJAMIN A. ALMAN, MD

James R. Urbaniak Professor of Orthopaedic Surgery

Additional Appointments and Affiliations
- Professor of Orthopaedic Surgery
- Chair, Department of Orthopaedic Surgery
- Professor in Cell Biology
- Professor in Pediatrics
- Professor in the Department of Pathology
- Member, Duke Cancer Institute
- Co-Director, Regeneration Next Initiative

Education and Training
- Fellow, Hospital for Sick Children, Toronto
- Resident, Sidney Kimmel Medical College, Tufts Medical Center
- Intern, Pennsylvania Hospital, University of Pennsylvania Health System
- MD, Jefferson Medical College of Thomas Jefferson University

Selected Awards and Honors
- J. Édouard Sampson Award, Canadian Orthopaedic Foundation
- Arthur H. Heune Memorial Award, Pediatric Orthopaedic Society of North America

Areas of Interest
Alman is an orthopaedic clinician-scientist whose long-term goal is to identify improved therapeutic approaches to orthopaedic pathologic disorders. Using genetically modified mice to model human disease, Alman has identified new drug therapies for musculoskeletal tumors and for improved outcomes of related processes in cartilage, skin, and bone. His group was the first to show that mesenchymal tumors contain a subpopulation of cells with tumor-propagating characteristics, which can be targeted to treat sarcomas.
Joseph A.C. Wadsworth, MD, was a 1939 graduate of Duke University School of Medicine and the first chair of Duke’s Department of Ophthalmology. Wadsworth spearheaded the development of Duke Eye Center into a leading research and treatment center, and one of its clinical facilities is named in his honor. A grant from the Brown Foundation and other donors established this endowment.

FELIPE A. MEDEIROS, MD, PhD
Joseph A.C. Wadsworth Professor of Ophthalmology

Additional Appointments and Affiliations
• Professor of Ophthalmology

Education and Training
• Fellow, Glaucoma, University of California at San Diego School of Medicine
• Resident, Ophthalmology, University of Sao Paulo Medical School
• PhD, University of Sao Paulo
• MD, University of Sao Paulo Medical School

Selected Awards and Honors
• Cogan Award, the Association for Research in Vision and Ophthalmology
• American Academy of Ophthalmology Senior Achievement Award
• The Ronald Lowe Medal
• Kourosh Alexander Dastgheib Pioneer Award in Ocular Innovation
• The World Glaucoma Association Research Award
• Arno Habicht Award for Research Sciences
• ARVO Foundation/Merck Innovative Ophthalmology Research Award
• American Glaucoma Society Mid-Career and Clinician-Scientist Award

Areas of Interest
Medeiros is a world-renowned clinician-scientist whose work has focused on the development of innovative imaging and functional methods to improve early diagnosis and detection of progression of glaucoma, the leading cause of irreversible blindness in the world. His work has been the first to use virtual reality to predict clinically relevant functional outcomes in ophthalmology and to develop innovative brain-computer interfaces for objective and portable assessment of visual function.
GIVEN BY FRIENDS OF DUKE’S DEPARTMENT OF OPHTHALMOLOGY

Joseph Wadsworth, MD, was a 1939 graduate of Duke University School of Medicine and the first chair of Duke’s Department of Ophthalmology. Wadsworth spearheaded the development of Duke Eye Center into a leading research and treatment center; one of its clinical facilities is named in his honor. A grant from the Brown Foundation and other donors established this endowment. Contributors included alumnus James Hornaday and his wife, Virginia; Wadsworth himself; and many patients, alumni, faculty, and staff of the Department of Ophthalmology.

W. DANIEL STAMER, PHD
Joseph A.C. Wadsworth Professor of Ophthalmology

Additional Appointments and Affiliations
- Professor of Ophthalmology

Education and Training
- Postdoctoral Fellow, Ophthalmology, Duke University School of Medicine
- Postdoctoral Fellow, Physiology and Pharmacology/Toxicology, University of Arizona
- Graduate Research Assistant, Pharmacology and Toxicology, University of Arizona
- PhD, University of Arizona

Selected Awards and Honors
- National Research Service Award, National Eye Institute
- Career Development Award, Research to Prevent Blindness
- Furrow Award for Excellence in Graduate Teaching, University of Arizona College of Medicine
- Rudin Glaucoma Prize, New York Academy of Medicine
- Senior Scientific Investigator Award, Research to Prevent Blindness

Areas of Interest
Stamer’s laboratory studies glaucoma. A primary goal is to better understand molecular and cellular mechanisms that regulate the flow of aqueous humor into and out of the eye. His work aims to identify and validate novel drug targets, leading to new therapeutics that target and modify diseased tissue responsible for elevated intraocular pressure in glaucoma.

GIVEN BY DUKE UNIVERSITY

Joseph Wadsworth, MD, was a 1939 graduate of Duke University School of Medicine and the first chair of Duke’s Department of Ophthalmology. Duke recruited him to this position from Columbia University, where he completed a residency and later served on the faculty. Wadsworth spearheaded the development of Duke Eye Center into a leading research and treatment center; its clinical facility is named in his honor. Duke established this endowment to support a distinguished clinician in the field of ophthalmology.

CYNTHIA A. TOTH, MD
Joseph A.C. Wadsworth Professor of Ophthalmology

Additional Appointments and Affiliations
- Professor of Ophthalmology, Vitreoretinal Diseases & Surgery
- Professor of Biomedical Engineering, Pratt School of Engineering

Education and Training
- Retinal Fellow, University of California, Davis School of Medicine
- Resident, Ophthalmology, Geisinger Medical Center
- MD, Drexel University

Selected Awards and Honors
- Research Award of Merit, Retinal Research Foundation and the Retina Society

Areas of Interest
Toth specializes in evaluation and surgical treatment of vitreoretinal diseases in infants, children, and adults. Her clinical interests and skills include surgical treatment of macular diseases, retinal detachment, proliferative diabetic retinopathy, proliferative vitreoretinopathy, and retinopathy of prematurity. A world expert in retinal imaging with optical coherence tomography (OCT) imaging, she pioneered both the first use of a research hand-held spectral-domain OCT system for infant examination and the first intraoperative OCT-guided ophthalmic surgical system. Toth is also professor in the Department of Biomedical Engineering in the Pratt School of Engineering, where her primary research interests are in translational research and early-application clinical trials, with a focus on novel retinal imaging with spectral-domain and swept-source optical coherence tomography.
GIVEN BY THE BURROUGHS WELLCOME FUND

The Burroughs Wellcome Fund established this endowment to honor the late R. Wayne Rundles, MD, a Duke University School of Medicine alumnus and former chief of the Division of Hematology and Oncology. Rundles collaborated with 1988 Nobel Prize winners and Burroughs Wellcome scientists Gertrude Elion, PhD (Hon.), and George Hitchings, PhD, in clinical investigations of compounds now routinely used in cancer chemotherapy.

MARILYN J. TELEN, MD
Wellcome Clinical Professor of Medicine

Additional Appointments and Affiliations
- Professor of Medicine
- Associate Professor in Pathology
- Director, Duke Comprehensive Sickle Cell Center
- Member, Duke Cancer Institute

Education and Training
- Fellow, Hematology and Immunohematology, Duke University School of Medicine
- Resident, Internal Medicine, State University of New York at Buffalo
- MD, New York University

Selected Awards and Honors
- Traditional Fulbright Scholarship, Council for International Exchange of Scholars
- Fellow, American Association for the Advancement of Science
- Almita S. R. Woods Award, State of North Carolina Department of Health and Human Services
- Distinguished Faculty Award, Duke Medical Alumni Association
- Petteway-Shepherd Award, North Carolina Association of Blood Bankers
- Research Mentoring Award for Translational Research, Duke University

Areas of Interest
Telen is recognized as an expert in the biochemistry and molecular genetics of blood group antigens and the pathophysiological mechanisms of vaso-occlusion in sickle cell disease. She is also involved in large multicenter studies looking for genetic polymorphisms that affect clinical outcomes in sickle cell disease, as well as several studies investigating new therapeutic approaches for sickle cell disease.
Robert H. Wilkins and Gloria Wilkins Professor of Neurosurgery

GIVEN BY MICHAEL I. WILKINS AND SHEILA M. DUIGNAN

Robert H. Wilkins, MD, completed an internship and neurosurgical residency at Duke, and was chief of the Division of Neurosurgery from 1976 to 1996. He was founding editor of the journal *Neurosurgery* and served on numerous national professional boards. Mike Wilkins, the son of Robert and Gloria Wilkins, is co-founder and manager of Kingsford Capital Management LLC. He and his wife, Sheila Duignan, established this endowment to honor his parents.

JOHN H. SAMPSON, MD, PHD
Robert H. Wilkins and Gloria Wilkins Professor of Neurosurgery

**Additional Appointments and Affiliations**
- Professor of Neurosurgery
- Professor of Biomedical Engineering
- Professor of Immunology
- Professor of Pathology
- Professor of Radiation Oncology
- Executive Committee Member and Neuro-Oncology Program Co-Leader, Duke Cancer Institute
- Associate Deputy Director, Preston Robert Tisch Brain Tumor Center
- President, Duke Private Diagnostic Clinic

**Education and Training**
- Fellow, Duke University School of Medicine
- Resident, Duke University School of Medicine
- MBA, Duke University
- MHSc, Duke University
- PhD, Duke University School of Medicine

**Selected Awards and Honors**
- Member, National Academy of Medicine
- Member, American Society for Clinical Investigation
- Tuig McGraw Researcher of the Year Award
- Mahaley Clinical Research Award, National Brain Tumor Society

**Areas of Interest**
Sampson is a leader in surgical resection and experimental treatment of complex brain tumors. His clinical practice focuses on treating patients with benign and malignant brain tumors. His research investigates immunotherapy and new modalities of precision drug delivery to brain tumors. Sampson’s research led to development of a vaccine against a common mutation in brain tumors that was shown to extend survival in patients with glioblastoma multiforme.

James B. Wyngaarden Professor of Medicine

GIVEN BY FRIENDS OF JAMES B. WYNGAARDEN

James Wyngaarden, MD, was an associate professor of medicine at Duke with a joint appointment in biochemistry from 1956 to 1967. In 1967, he was named chair of the Department of Medicine and the first Frederic M. Hanes Professor of Medicine. He served as director of the National Institutes of Health (NIH) from 1982 to 1989, more than doubling federal funding for the NIH during his tenure. Among other honors, he is a member of the National Academy of Sciences and the American Academy of Arts and Sciences, and a recipient of the Duke Medical Alumni Association Distinguished Faculty Award and William G. Anlyan Lifetime Achievement Award. His friends established this endowment in his honor.

KEITH M. SULLIVAN, MD
James B. Wyngaarden Professor of Medicine

**Additional Appointments and Affiliations**
- Professor of Medicine
- Member, Duke Cancer Institute

**Education and Training**
- MD, Indiana University at Indianapolis

**Selected Awards and Honors**
- Fellow, American Association for the Advancement of Science
- Member, Association of American Physicians

**Areas of Interest**
While at the Fred Hutchinson Cancer Research Center, Sullivan helped develop a systematic approach for diagnosis and treatment of chronic graft-versus-host disease, the major cause of late morbidity and non-relapse mortality following allogeneic stem cell transplantation (SCT). This work led to recognition of the need for systematic long-term follow-up for blood and marrow transplant recipients to treat evaluate and treat complications of high-dose chemoradiotherapy and SCT. Since Sullivan’s arrival at Duke, more than 30 centers nationwide began participating in Duke-led phase 2 and 3 trials to test the toxicity, efficacy, and quality of life following SCT for autoimmune diseases.
Duke University School of Nursing’s reach extends far beyond our campus, hospitals, and clinics into the community and, indeed, out to the wide world beyond. The School of Nursing, through its graduates, research programs, community and population health initiatives, and patient care projects transforms lives across the globe.

The endowed professors you find in these pages are making a lasting difference at the School of Nursing and in the world, from conducting cutting edge research and testing interventions in order to improve the health of those with chronic illness, to evaluating innovative models for clinical care. This important work would not be possible without our extraordinary faculty, or without the support of our most generous and dedicated philanthropic partners who enable us to attract and recognize the most accomplished of them.

As we transform the future of nursing and advance health for individuals, families, and communities, we must continue to recruit the very best nursing educators and researchers. Endowed professorships are among the most critical tools we have in that effort. They are essential to our goals of preparing the nursing leaders who will meet the health care challenges of tomorrow, and of leading and accelerating nursing science and its translation to clinical care. We are forever grateful to those generous donors who make what we do possible.

Marion E. Broome, PhD, RN, FAAN
Dean and Ruby Wilson Professor of Nursing, Duke University School of Nursing
Vice Chancellor for Nursing Affairs, Duke University
Associate Vice President for Academic Affairs for Nursing, Duke University Health System
Bessie Baker
Professor of Nursing

GIVEN BY DUKE UNIVERSITY
Bessie Baker, RN, served as the Duke University School of Nursing’s first dean from 1930 through 1938. She was a graduate of the Johns Hopkins School of Nursing and Columbia University. Before her appointment at Duke, she served as assistant director of Hopkins’s nursing school, as director of nursing at Charles T. Miller Hospital in St. Paul, Minnesota, and as assistant professor of nursing at the University of Minnesota. Baker’s dynamic personality and forceful character helped to ensure the success of the school from its earliest days. She made plans for the school, recruited its first students, and served as a liaison between Duke University Hospital and Duke University. Duke University established this professorship in her honor in 2004.

Marilyn J. Hockenberry, PhD, RN
Bessie Baker Professor of Nursing

Additional Appointments and Affiliations
- Professor in the School of Nursing
- Associate Dean for Research Affairs, School of Nursing
- Professor in Pediatrics
- Chair, Institutional Review Board

Education and Training
- PhD, Medical College of Georgia School of Medicine

Selected Awards and Honors
- Fellow, American Academy of Nursing
- International Nurse Researcher Hall of Fame Award, Sigma Theta Tau International
- Member, Children’s Oncology Group Scientific Council
- Distinguished Nurse Researcher Award, Association of Pediatric Hematology/Oncology
- Nursing Writing Award, Journal of Pediatric Oncology

Areas of Interest
Hockenberry’s research focuses on treatment-related side effects experienced by children who have cancer. She has secured numerous research grant awards. Her latest National Institutes of Health-funded research grant evaluates phenotypic and genotypic characteristics and their associations with symptom clusters experienced during treatment for childhood leukemia.

Laurel Chadwick
Professor of Nursing

GIVEN BY HARRY R. AND LAUREL CHADWICK
Laurel Rosenbaum Chadwick earned her BSNEd from Duke University School of Nursing in 1953. While at Duke she met and married the late Harry R. Chadwick ‘51, LL.B’53. After World War II, the Chadwicks moved to Florida, where she taught both clinical and theoretical courses at St. Petersburg College of Nursing. Her experiences in Florida caused her to become a longtime advocate for the rights of nursing home patients. The Chadwicks were fundamental in changing the standard of care in nursing homes throughout Florida and the U.S. They established this professorship in 2004.

Paula Tanabe
Laurel Chadwick Professor of Nursing

Additional Appointments and Affiliations
- Professor, Duke University School of Nursing
- Associate Dean for Research
- Professor of Medicine, Hematology
- Assistant Professor in Surgery, Emergency Medicine

Education and Training
- MSN, Loyola University at Chicago
- PhD, University of Illinois

Selected Awards and Honors
- Inductee, Sigma Theta Tau International Honor Society of Nursing
- Fellow, American Academy of Nursing
- Fellow, Academy of Emergency Nursing

Areas of Interest
Tanabe’s passion is improving the lives of individuals with sickle cell disease and advocating for improvements in health care to support their quality of life. Her research at the School of Nursing is in emergency medicine and health services and includes studies of pain management practices in the emergency department (ED) with a strong emphasis on improving the care of persons in the ED with sickle cell disease. Tanabe has received over $7 million in funding from the National Institutes of Health, and the Agency for Healthcare Research and Quality. She conducts clinical trials and dissemination and implementation research. She has influenced the emergency care of individuals with sickle cell disease nationally and is a known expert in this area.
GIVEN BY FRIENDS OF DUKE UNIVERSITY SCHOOL OF NURSING

Mary Champagne served as dean of Duke University School of Nursing from 1991 to 2004. After receiving her BSN from San José State College, Champagne volunteered with the Peace Corps in Afghanistan, where she directed the Lashkar Gah School of Nursing. She earned her MSN and PhD from the University of Texas at Austin. During her tenure at Duke, she implemented programs to improve health care in rural North Carolina, dramatically expanded the school’s master of science in nursing program, reinstated and revamped the school’s bachelor of science in nursing program, and worked with faculty to develop new research projects and establish a PhD in nursing program.

EUN-OK IM, PHD, RN
Mary T. Champagne Professor of Nursing

Additional Appointments and Affiliations
- Professor in the School of Nursing

Education and Training
- Postdoctoral training, University of California, San Francisco
- MSN, University of California, San Francisco
- MPH, Seoul National University
- PhD, University of California, San Francisco

Selected Awards and Honors
- International Nurse Researcher Hall of Fame Award, Sigma Theta Tau International
- Centennial Alumni Recognition Award, College of Nursing at Seoul National University
- Fellow, American Academy of Nursing

Areas of Interest
Im’s focus is feminist-driven Internet research on gender and ethnic differences in midlife women’s experiences of health and illness. Her doctoral and postdoctoral study centered on international women’s health research. Her work then extended to oncology. In the 1990s she developed Internet research methodology as an area of expertise and, as Principal Investigator for National Institutes of Health-funded research, integrated it into research on gender and ethnic differences in cancer pain, menopausal symptoms, and physical activity.
Elizabeth C. Clipp
Termed Chair of Nursing

**EPONYMOUS**

Elizabeth “Jody” Clipp, PhD, RN, was a former School of Nursing faculty member who served as associate dean for research and co-developer of the school’s PhD program. She was an outstanding scientist in aging and trajectory science, and critically important to launching the school’s national reputation.

**RYAN J. SHAW, PhD, RN**
Elizabeth C. Clipp Termed Chair of Nursing

**Additional Appointments and Affiliations**
- Faculty Advisor, Duke Mobile App Gateway
- Associate Professor in the School of Nursing
- Faculty Director, Duke Health Innovation Lab
- Affiliate, Duke Center for Applied Genomics & Precision Medicine
- Affiliate, Duke Initiative for Science & Society

**Education and Training**
- PhD, Duke University School of Nursing

**Selected Awards and Honors**
- Emerging Nurse Researcher Award for North America, Sigma Theta Tau International
- Early Career Scientist Award, Duke University School of Nursing
- BAYADA Award for Technological Innovation in Health Professional Education and Practice, Drexel University College of Nursing and Health Professions
- Distinguished Dissertation Award, Duke University School of Nursing

**Areas of Interest**
Shaw’s areas of interest include health informatics, digital health technologies, and data science. He works with scientists and clinicians to advance the field of precision health through the use of mobile and sensing technologies. These technologies afford researchers, clinicians, and patients real-time information about individuals’ environment, and biophysical and behavioral health. The goal is to identify and optimize novel methods of collecting, visualizing, and disseminating health care data to better inform the understanding of human disease and to improve patient and clinical decision-making.

**ANN HENSHAW GARDINER**
Professor of Nursing

**GIVEN BY DUKE UNIVERSITY**

One of the five distinguished professorships established in 2004 by the Duke University School of Nursing, this endowment was created to honor Ann H. Gardiner, RN, the school’s first faculty member. Gardiner worked closely with Bessie Baker, the school’s founding dean, to develop and implement the nursing curriculum. A graduate of Massachusetts General Hospital School of Nursing and Columbia University, she served on the faculty from 1930 to 1941.

**XIAO HU, PHD**
Ann Henshaw Gardiner Professor of Nursing

**Additional Appointments and Affiliations**
- Professor, Duke University School of Nursing
- Professor of Biomedical Engineering, Pratt School of Engineering
- Professor of Electrical and Computer Engineering, Pratt School of Engineering
- Professor of Neurology, Duke University School of Medicine
- Professor of Biostatistics and Bioinformatics, Duke University School of Medicine
- Associate Professor of Surgery, Duke University School of Medicine

**Education and Training**
- PhD, University of California, Los Angeles

**Selected Awards and Honors**
- SMART Award, Cerebral Autoregulation Research Network
- Winner, NASA Innocentive Challenge on Noninvasive Intracranial Pressure
- Venture Competition Grand Prize, UCLA Business of Science Center
- Editor-in-Chief, Physiological Measurement

**Areas of Interest**
Core areas of expertise of Hu and his lab include biomedical signal processing, machine learning, mathematical modeling of physiological systems, and software development. The lab is pursuing projects that utilize this collection of expertise to develop and translate advance algorithms for processing heterogeneous clinical and physiological data into useful predictive and clinical decision support tools. Some specific clinical interests include multimodality brain monitoring of patients after acute neurological injuries, electroneuropysiology of movement disorders, epilepsy, and cardiac arrhythmia, and precision patient monitoring in both acute care and ambulatory care settings.
Elizabeth P. Hanes
Professor of Nursing

GIVEN BY ELIZABETH P. HANES
Elizabeth P. Hanes was the wife of Frederic M. Hanes, MD, a member of the original Duke University School of Medicine faculty and the chair of the Department of Medicine from 1933 until his death in 1946. Born Elizabeth Peck, she married Frederic Hanes in 1913. The couple had no children, and both of their residual estates were bequeathed to Duke University. This endowment was established in 1952 with the unexpended portion of a gift from Elizabeth Hanes for construction of a dormitory and teaching facility for nursing students. The Elizabeth P. Hanes House, as it is still known, currently houses the Department of Community and Family Medicine, the Duke Area Health Education Center, and other medical center offices. Elizabeth Hanes died in 1958.

BARBARA S. TURNER, PhD, RN
Elizabeth P. Hanes Professor of Nursing

Additional Appointments and Affiliations
- Professor, School of Nursing
- Chair, Division of Women and Children

Education and Training
- PhD, University of California, San Francisco

Selected Awards and Honors
- Section Editor, Heart & Lung
- Member, Sigma Theta Tau International
- Fellow, American Academy of Nursing

Areas of Interest
After her retirement from the U.S. Army Nurse Corps at the rank of colonel, Turner established the Center for Nursing Research at Duke and served as associate dean for research for 13 years. She was the inaugural director of the Doctor of Nursing Practice (DNP) program for nine years. Turner’s research interests focus on the effect of nursing interventions on critically ill newborns, including administration of exogenous surfactant, endotracheal suctioning, high-frequency ventilators, and airway management.

BARBARA S. TURNER, PhD, RN
Elizabeth P. Hanes Professor of Nursing

Thelma M. Ingles
Professor of Nursing

Thelma Ingles, a professor and chair of the Department of Medical-Surgical Nursing from 1949 to 1962, was crucial in establishing the national and international reputation of Duke’s nursing education programs. Her work with Eugene Stead, MD, chairman of the Department of Medicine, pioneered the expansion of nursing roles in patient clinical care. The two developed the master’s clinical nursing specialist program in 1958, a forerunner of today’s Clinical Nurse Specialist and Nurse Practitioner programs.

MARILYN H. OERMANN, PHD, RN
Thelma M. Ingles Professor of Nursing

Additional Appointments and Affiliations
- Professor in the School of Nursing
- Director, Evaluation and Educational Research

Education and Training
- MN, University of Pittsburgh
- PhD, University of Pittsburgh

Selected Awards and Honors
- Fellow, Academy of Nursing Education
- Fellow, American Academy of Nursing
- Excellence in Nursing Education Research Award, National League for Nursing
- Elizabeth Russell Belford Award for Excellence in Education, Sigma Theta Tau International
- Distinguished Contributions to Nursing Science Award, Duke University School of Nursing
- Scholarship of Teaching and Learning Excellence Award, American Association of Colleges of Nursing
- Margaret Comerford Freda Award for Editorial Leadership in Nursing Publication, International Academy of Nursing Editors

Areas of Interest
Oermann focuses on nursing education, with an emphasis on teaching and evaluation. With funding from the National League for Nursing and Laerdal Medical, she is completing a multisite study on maintaining competence in cardiopulmonary resuscitation among nursing students. Oermann is editor-in-chief of Nurse Educator and the Journal of Nursing Care Quality, past editor of Nurse Author & Editor and the Annual Review of Nursing Education, and a widely published author.

Thelma M. Ingles
Professor of Nursing

EPONYMOUS
Thelma Ingles, a professor and chair of the Department of Medical-Surgical Nursing from 1949 to 1962, was crucial in establishing the national and international reputation of Duke’s nursing education programs. Her work with Eugene Stead, MD, chairman of the Department of Medicine, pioneered the expansion of nursing roles in patient clinical care. The two developed the master’s clinical nursing specialist program in 1958, a forerunner of today’s Clinical Nurse Specialist and Nurse Practitioner programs.

MARILYN H. OERMANN, PHD, RN
Thelma M. Ingles Professor of Nursing

Additional Appointments and Affiliations
- Professor in the School of Nursing
- Director, Evaluation and Educational Research

Education and Training
- MN, University of Pittsburgh
- PhD, University of Pittsburgh

Selected Awards and Honors
- Fellow, Academy of Nursing Education
- Fellow, American Academy of Nursing
- Excellence in Nursing Education Research Award, National League for Nursing
- Elizabeth Russell Belford Award for Excellence in Education, Sigma Theta Tau International
- Distinguished Contributions to Nursing Science Award, Duke University School of Nursing
- Scholarship of Teaching and Learning Excellence Award, American Association of Colleges of Nursing
- Margaret Comerford Freda Award for Editorial Leadership in Nursing Publication, International Academy of Nursing Editors

Areas of Interest
Oermann focuses on nursing education, with an emphasis on teaching and evaluation. With funding from the National League for Nursing and Laerdal Medical, she is completing a multisite study on maintaining competence in cardiopulmonary resuscitation among nursing students. Oermann is editor-in-chief of Nurse Educator and the Journal of Nursing Care Quality, past editor of Nurse Author & Editor and the Annual Review of Nursing Education, and a widely published author.
Dorothy L. Powell
Termed Chair
of Nursing

EPONYMOUS

Duke University School of Nursing named this professorship in honor of professor emerita Dorothy L. Powell, the school’s first Associate Dean for Global and Community Health. Her efforts began a global program of education and scholarship, and invested in programs that expanded the diversity of the student body and deepened the commitment of the faculty, staff, and students to diversity. Powell’s early work to develop summer pipeline programs for promising students from diverse backgrounds ultimately led to the development of the school’s Health Equity Academy.

ROSAS GONZALEZ-GUARDA, PhD, RN

Dorothy L. Powell Termed Chair of Nursing

Additional Appointments and Affiliations

- Faculty Lead for the Population Health Research Area of Excellence, Center for Nursing Research
- Co-Director of the Community Engagement Core, Duke’s Clinical Translational Science Institute

Education and Training

- MSN, Johns Hopkins University
- MPH, Johns Hopkins University
- PhD, University of Miami

Selected Awards and Honors

- Fellow, American Academy of Nursing
- Nurse of the Year, Community/Behavioral Health/Ambulatory Care Category, March of Dimes
- Florida Nurse.com Nursing Excellence Regional Winner, Advancing and Leading the Profession Category, Gannet Healthcare Group
- Nurse Faculty Scholars Program Scholar, Robert Wood Johnson Foundation
- Outstanding Recent Graduate Award, Johns Hopkins University

Areas of Interest

Gonzalez-Guarda’s research focuses on describing the intersection of intimate partner violence, substance abuse, HIV, and mental health among Latinos in the U.S. and the development of culturally tailored interventions to address these. She uses a syndemic orientation, mixed methods, and community-engaged strategies to address these areas of interest.

Ruby Wilson Professor of Nursing

EPONYMOUS

Ruby L. Wilson began her career as an instructor in advanced medical-surgical nursing in the Duke University School of Nursing’s new bachelor of science in Nursing program. She was the first clinical nurse specialist at Duke University Hospital, providing care for dialysis and kidney-transplant patients. She helped develop an advanced medical-surgical nursing course and the first master’s program in clinical nursing, which became a national model. In 1971 Wilson was appointed dean of the School of Nursing, a position she held until 1984. She was the first woman honored with the Duke University Medal for Distinguished Meritorious Service, received the Duke University School of Nursing Lifetime Achievement Award, and was named a Living Legend by the American Academy of Nursing.

MARION E. BROOME, PhD, RN

Ruby Wilson Professor of Nursing

Additional Appointments and Affiliations

- Dean, Duke University School of Nursing
- Professor in the School of Nursing
- Professor of Pediatrics

Education and Training

- MN, University of South Carolina
- PhD, University of Georgia

Selected Awards and Honors

- Editor-in-chief, Nursing Outlook
- Fellow, American Academy of Nursing
- Researcher Hall of Fame, Sigma Theta Tau International
- Award for Outstanding Leadership in Nursing Education, National League of Nursing

Areas of Interest

Broome is widely regarded as an expert, scholar, and leader in pediatric nursing research and practice. She has received significant funding from the American Cancer Society, the National Institutes of Health, and private foundations to develop and test interventions to assist children to cope with acute and chronic pain. She is also a leader in studying ethics related to informed consent and assent for children in research, research misconduct in clinical trials, and, most recently, ethical dilemmas in publishing.
EMERITI PROFESSORS

WINNIEFRED ADDISON, MD, PhD
Walter L. Thomas Professor Emeritus of Obstetrics and Gynecology

FRANCIS ALI-OSMAN, DSC
Margaret Harris and David Silverman Professor Emeritus of Neuro-Oncology Research

RUTH A. ANDERSON, PhD
Virginia Stone Chair Emerita in Nursing

DANIEL BLAZER, MD, PhD
J. P. Gibbons Professor Emeritus of Psychiatry

JACOB BLUM, PhD
James B. Duke Professor Emeritus of Medicine

HAYWOOD BROWN, MD
F. Bayard Carter Professor Emeritus of Obstetrics and Gynecology

MARY T. CHAMPAGNE, PhD
Laurel Chadwick Professor Emerita of Nursing; Dean Emerita of the School of Nursing

LINDA L. DAVIS, PhD
Ann Henshaw Gardiner Professor Emerita of Nursing

DAVID FITZPATRICK, PhD
James B. Duke Professor Emeritus of Medicine

CATHERINE L. GILLISS, PhD
Helene Fuld Health Trust Professor Emerita of Nursing; Former Dean of the School of Nursing

GORDON HAMMES, PhD
University Distinguished Service Professor Emeritus of Biochemistry

CHARLES HAMMOND, MD
E. C. Hamblen Professor Emeritus of Reproductive Biology and Family Planning

DIANE HATCHELL, PhD
Joseph A. C. Wadsworth Research Professor Emerita of Ophthalmology

DIANE L. HOLDITCH-DAVIS, PhD
Marcus E. Hobbs Professor Emerita of Nursing

ROBERT JENNINGS, MD
James B. Duke Professor Emeritus of Medicine

ROBERT JONES, MD
Mary and Daryl Hart Professor Emeritus of Surgery

SAMUEL KATZ, MD
Wilbur C. Davison Professor Emeritus of Pediatrics

BROOKS McCUEN, MD
Robert Machemer Professor Emeritus of Ophthalmology

ANTHONY MEANS, PhD
Nanarine H. Duke Professor Emeritus of Pharmacology

MARK F. NEWMAN, MD
Merel H. Harmel Professor Emeritus of Anesthesiology

K. V. RAJAGOPALAN, PhD
Professor Emeritus of Biochemistry

WENDELL ROSSE, MD
Florence McAllister Professor Emeritus of Medicine

MADISON SPACH, MD
James B. Duke Professor Emeritus of Medicine

PROFESSORSHIPS TO BE APPOINTED

ANESTHESIOLOGY
Distinguished Professor of Anesthesiology
Mark F. Newman, MD Professor

CARDIOLOGY
Duke Health Cardiology Professor
John Bush Simpson Assistant Professor of Cardiology

COMMUNITY AND FAMILY MEDICINE
Leonard J. and Margaret F. Goldwater Professor of Occupational Medicine

MEDICINE
Eugene Anston Stead Jr, MD and E. Harvey Estes Jr, MD Associate/Assistant Professor

NEUROSURGERY
The Cless Family Neuro-Oncology Professor
Rory David Deutsch Professor of Neuro-Oncology
Allan Friedman, MD, Professor in Neurosurgery
Margaret Harris and David Silverman Professor of Neuro-Oncology Research

NURSING
Helene Fuld Health Trust Professor of Nursing

OBSTETRICS AND GYNECOLOGY
Haywood Brown, MD Professor in Women’s Health
E. Fulton Brylawski Associate Professor in Women’s Health
F. Bayard Carter Chair of Obstetrics and Gynecology

OPHTHALMOLOGY
George and Geneva Boguslavsky Professor in Eye Research

ORTHOPAEDICS
Laszlo Ormandy Professor in Orthopaedic Surgery

PATHOLOGY
Rollie Assistant/Associate Professor of Correlative Pathology
Fred and Janet Sanfilippo Professor

PEDIATRICS
Jean and George W. Brumley Jr., MD, Professor of Developmental Biology
The Chen Family Associate/Associate Professor in Pediatric Genetics and Genomics

PSYCHIATRY
J. P. Gibbons Professor of Psychiatry
The Gorrell Family Endowed Chair in Children’s Psychiatry

PULMONOLOGY
Herbert A. Saltzman Pulmonary Research Professor

RADIATION ONCOLOGY
Mark W. Dewhirst Radiation Oncology Professor
Gustavo S. Montana Professor of Radiation Oncology

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W. Allen Addison, MD Professor

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M. Bruce Shields, MD Professor of Glaucoma Research and Treatment

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20-0154-STW

The named professorship appointments listed here are as of July 1, 2020.