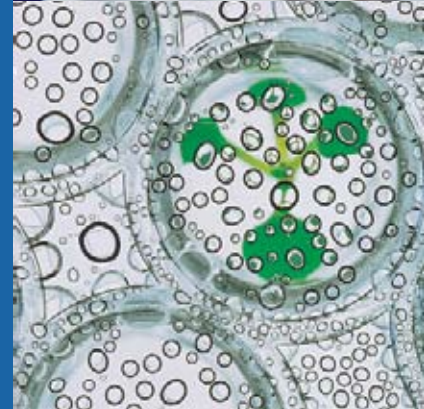

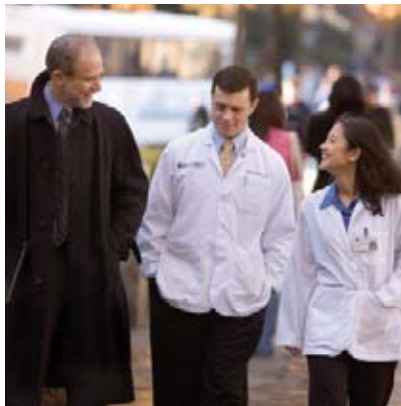


# Endowed Professorships





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Environmental savings realized by using this paper:  
Lbs of Paper used **3,290** | Trees Saved **10** | Water saved in gallons **3,543**  
Landfill waste reduced in Lbs **586** | Greenhouse gas reduced in Lbs of  
CO2 **3,545** | Energy consumption reduced in million BTUs **6.7**



## Endowed Professorships



**Duke**Medicine





Endowed professorships are the most prestigious faculty appointments at Duke University Medical Center. Because they recognize both exceptional achievement and the potential for future achievement, they are awarded to our most distinguished physician- and nurse-scientists, as well as to junior faculty members who have demonstrated extraordinary scholarship in advancing medical science.

While our endowed professorships honor and celebrate the accomplishments of Duke's most stellar medical and nursing faculty, they also have much to tell us about the history of Duke University Medical Center and the individuals—both within the institution and in the larger community—who built it.

Beginning with Duke University's visionary founding benefactor, North Carolina industrialist James Buchanan Duke, many individuals and families have generously invested their resources at Duke for the benefit of future generations. Some are motivated to join with colleagues to honor a great mentor. Others are inspired by gratitude for the medical care they or a loved one received here. Still others invest where they see potential to cure a specific disease or advance a field of biomedical science.

Those who establish endowed professorships with Duke Medicine enter into a permanent partnership with the institution. We are deeply grateful for this legacy of support, and as you will read in these pages, Duke is making the most of every

endowment through its products—research that leads to discovery; education for tomorrow's physicians, nurses, and scientists; and innovative health care for people the world over.

Sincerely,

**Victor J. Dzau, M.D.**

James B. Duke Professor of Medicine  
Chancellor for Health Affairs, Duke University  
President and Chief Executive Officer, Duke University Health System

**R. Sanders Williams, M.D.**

Richard and Pat Johnson Distinguished University  
Professor of Cardiovascular Genomics  
Senior Vice Chancellor for Academic Affairs, Duke University Medical Center

**Nancy C. Andrews, M.D., Ph.D.**

Dean, Duke University School of Medicine  
Vice Chancellor for Academic Affairs

**Catherine Lynch Gilliss, D.N.Sc., R.N., F.A.A.N.**

Dean, Duke University School of Nursing  
Vice Chancellor for Nursing Affairs



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## Introduction

Endowed professorships in the Duke University School of Medicine and School of Nursing are permanent named memorials established with the express purpose of supporting scientific discovery and teaching.

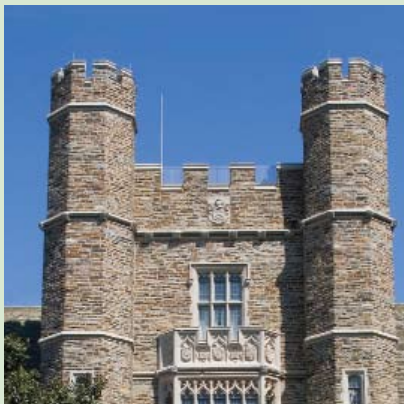
The most coveted positions in academia, endowed professorships enable Duke to attract, retain, and recognize the most accomplished scientists and educators. They allow these distinguished individuals to pursue advanced research while continuing to serve students, patients, and the global community.

This publication was created to honor the Duke Medicine faculty members who hold endowed professorships as of July 1, 2008, and the generous benefactors who established these funds.

On behalf of Duke University and the schools of medicine and nursing, we express our heartfelt thanks.



# Endowed Professorships in the School of Medicine





## Francis Ali-Osman, D.Sc.

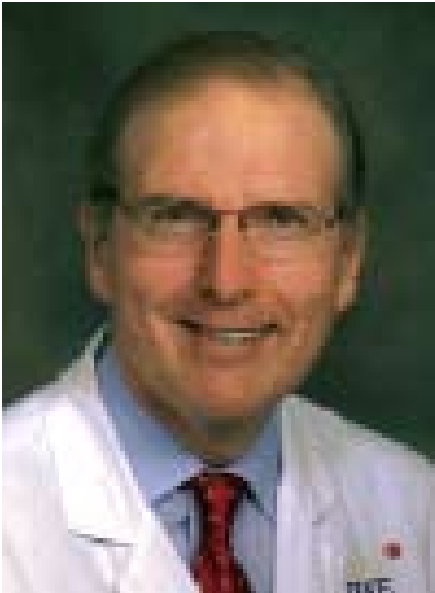
Margaret Harris and David Silverman Professor of Neuro-Oncology Research

Francis Ali-Osman, D.Sc., is the Margaret Harris and David Silverman Professor of Neuro-Oncology Research and associate director for translational research at the Duke Comprehensive Cancer Center, where he also leads the Experimental Therapeutics Program. A professor of surgery and pathology, Dr. Ali-Osman is a world leader in the field of cellular and molecular therapeutics, pharmacology, and pharmacogenomics of cancer and is an active member of Duke's medical research team. The primary focus of his research is the cellular and molecular processes underlying malignancy and the therapeutic response in human cancers, particularly those of the central nervous system. This work aids the development of targeted "smart" therapies and therapeutic strategies. Dr. Ali-Osman earned undergraduate degrees from The University of Science and Technology in Ghana and the Free University of Berlin, Germany, where in 1982, he also earned a doctoral degree.

### **Margaret Harris and David Silverman Professor of Neuro-Oncology Research**

This professorship was established by two Charlotte, North Carolina, couples—William and Gigi Harris and Marc and Mattye Silverman—in memory of their children, Margaret Harris and David Silverman, both of whom died from brain tumors in 1995. The following year, the Harrises and Silvermans organized the Charlotte Hopebuilders 5K, an annual walk/run that raises funds for brain tumor research.





## Page A. W. Anderson, M.D.

Beverly C. Morgan, M.D., Professor of Pediatric Cardiology

Page A. W. Anderson, M.D., is the Beverly C. Morgan, M.D., Professor of Pediatric Cardiology and vice chair for research in the Department of Pediatrics. Dr. Anderson has a broad-based research program that incorporates basic and clinical research in the study of the pathobiology of heart disease, the mechanisms through which cardiopulmonary bypass causes multi-organ damage, thin filament regulation of cardiac function, and stem cell differentiation into the cardiac myocyte. Currently, he and his associates are testing the role of calcium signaling in the mechanisms that underlie stem cell differentiation into cardiac myocytes. Following an internship in internal medicine, Dr. Anderson served in the United States Army for three years in Korea, the United States, and Vietnam as a battalion surgeon and brigade surgeon in the 199th Lt. Infantry Brigade in 1967 and 1968. He completed training in pediatrics at the Children's Hospital of Los Angeles and in pediatric cardiology at Duke.

## Beverly C. Morgan, M.D., Professor of Pediatric Cardiology

Beverly C. Morgan, M.D., of Newport Beach, California, established this endowment in 1992 to fund a professorship in pediatric cardiology. Dr. Morgan, who earned a medical degree from Duke in 1955, is a professor emerita in the Division of Pediatric Cardiology at the University of California, Irvine. She received a Research Career Development Award from the National Institutes of Health and in 1974 was awarded a Distinguished Alumnus Award from the Duke Medical Alumni Association.



## George Augustine, Ph.D.

George Barth Geller Professor of Research in Neurobiology

George Augustine, Ph.D., has served as a George Barth Geller Professor of Research in Neurobiology since 1998. He joined Duke's Department of Neurobiology in 1991. Dr. Augustine's research focuses on synaptic transmission, the mechanism that enables brain cells to communicate with each other. He and his colleagues have identified the roles of many proteins involved in neurotransmitter release and of calcium ions and other chemical signals in transducing brief neuronal activity into long-lasting change in brain function. His group also develops new optical techniques for studying brain function and circuitry. In addition to being honored with the prestigious Max Planck Research Prize, Dr. Augustine has been a Stephen Kuffler Fellow, a fellow of the Japanese Society for the Promotion of Science, an Alexander von Humboldt Fellow, a Muscular Dystrophy Association Fellow, and a National Science Foundation Fellow. Dr. Augustine earned both a B.S. in zoology and a Ph.D. in neurobiology from the University of Maryland, College Park. After a postdoctoral fellowship at the University of California, Los Angeles, he held a faculty position in the University of Southern California's Department of Biological Sciences before serving as a visiting investigator in the Max Planck Institute's Department of Membrane Biophysics.

### George Barth Geller Professor of Research in Neurobiology

This is one of a series of endowments established in the late 1980s by George Barth Geller, M.D., a general surgeon who practiced in New York and Florida. Dr. Geller had no connection to Duke University and never visited Durham. He was introduced to Duke by Fenner Douglass, a Duke professor of music and university organist, and his brother, John Douglass, an attorney. When Dr. Geller died in 1992, an additional bequest helped to further support these endowments.





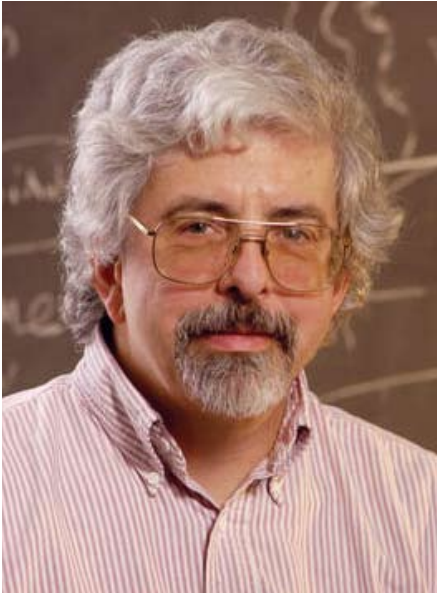
## Lorena S. Beese, Ph.D.

James B. Duke Professor of Biochemistry

Lorena S. Beese, Ph.D., is a James B. Duke Professor in the Department of Biochemistry, director of the Center for Structural Biology, and co-director of the Structural and Chemical Biology Program in the Duke Comprehensive Cancer Center. She joined the Duke faculty in 1992. Her research interests include the study of molecular mechanisms that underlie DNA replication and repair, as well as the structure and mechanism of protein prenyltransferases, enzymes that catalyze essential post-translational modifications to cell-signaling molecules. Both biological systems play fundamental roles in human carcinogenesis. Dr. Beese's honors include a Searle Scholar Award, a MERIT Award from the National Institutes of Health, and an Outstanding Science Award from the Southeast Regional Collaborative Access Team (SER-CAT). She earned a B.A. degree in mathematics and biology from Oberlin College and a Ph.D. in biophysics from Brandeis University. She completed postdoctoral training at Yale University in the Department of Molecular Biophysics and Biochemistry under the direction of Dr. Thomas A. Steitz.

### James B. Duke Professor of Biochemistry

The James B. Duke Professorships were created in 1953 by a special grant from The Duke Endowment to honor well-established members of the Duke academic community, regardless of field, who have achieved distinction as creative scholars. The professorships honor the late James B. Duke, industrialist and philanthropist, who was the principal benefactor of Duke University.



## Vann Bennett, M.D., Ph.D.

James B. Duke Professor of Cell Biology

Vann Bennett, M.D., Ph.D., is a James B. Duke Professor of Cell Biology. Since 1987 he has served on the Duke faculty as a professor of biochemistry and an investigator for the Howard Hughes Medical Institute. He became a professor in the Department of Cell Biology in 1994 and in 2002 was appointed vice chair of the department. His research focuses on cellular mechanisms for targeting ion channels and other signaling molecules to sites of physiological action. Best known for the discovery of ankyrins and their role in organizing membrane-spanning proteins, he led a research team that demonstrated that a mutation of ankyrin-B causes a fatal form of inherited cardiac arrhythmia that usually strikes young, seemingly healthy people. Before coming to Duke, Dr. Bennett was a professor in the Department of Cell Biology and Anatomy at the Johns Hopkins University School of Medicine. Dr. Bennett earned an undergraduate degree in chemistry and biology from Stanford University in 1970. In 1975 he completed a Ph.D. at Johns Hopkins, where he also received a medical degree in 1976. He later completed postdoctoral fellowships at Johns Hopkins and Harvard University.

### James B. Duke Professor of Cell Biology

The James B. Duke Professorships were created in 1953 by a special grant from The Duke Endowment to honor well-established members of the Duke academic community, regardless of field, who have achieved distinction as creative scholars. The professorships honor the late James B. Duke, industrialist and philanthropist, who was the principal benefactor of Duke University.





## Andrew Berchuck, M.D.

F. Bayard Carter Professor of Obstetrics and Gynecology

Andrew Berchuck, M.D., is the F. Bayard Carter Professor of Obstetrics and Gynecology. A Duke faculty member for 20 years, he is director of the Duke Division of Gynecologic Oncology and co-director of the Duke Comprehensive Cancer Center breast and ovarian cancer program. Dr. Berchuck was 2007-2008 president of the Society of Gynecologic Oncologists and heads the scientific advisory committee of the Ovarian Cancer Research Fund, the largest ovarian cancer foundation in the United States. He attended medical school and received obstetrics and gynecology training at Case Western Reserve University, completing research and clinical training in gynecologic oncology at University of Texas Southwestern Medical Center and Memorial Sloan-Kettering Cancer Center.

### **F. Bayard Carter Professor of Obstetrics and Gynecology**

In 1964 a group of former Duke obstetrics and gynecology residents who called themselves the Nick Carter Travel Club established an endowment in honor of their mentor, F. Bayard "Nick" Carter, M.D., upon his retirement. Dr. Carter served as chair of the Duke Department of Obstetrics and Gynecology from 1931 to 1964. The endowment was funded to the level of a professorship when he officially retired in 1969. Dr. Carter continued in private practice in Durham and died in 1976.



## Darell Bigner, M.D., Ph.D.

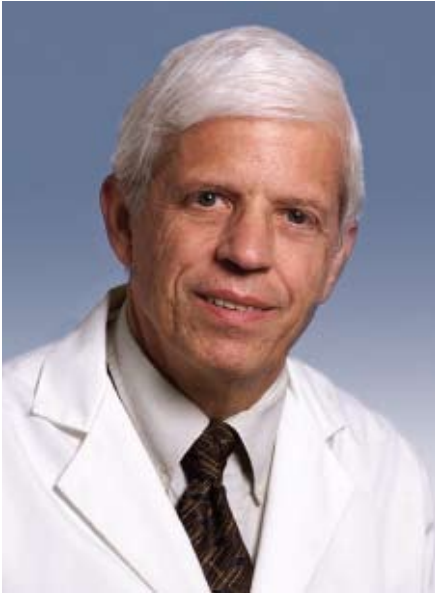
Edwin L. Jones, Jr., and Lucille Finch Jones Cancer Research Professor of Pathology

Darell Bigner, M.D., Ph.D., is the Edwin L. Jones, Jr., and Lucille Finch Jones Cancer Research Professor of Pathology. The director of Duke's Preston Robert Tisch Brain Tumor Center and the Pediatric Brain Tumor Foundation Institute, Dr. Bigner also serves as vice chair of investigative pathology, director of Duke's Preuss Laboratory for Brain Tumor Research, and co-director of the Duke Comprehensive Cancer Center's Neuro-Oncology Program. He is the founding editor-in-chief of *Neuro-Oncology* and chairman of the Scientific Review Board of the National Cancer Center and the Pediatric Brain Tumor Foundation. Under Dr. Bigner's direction, the Preuss Laboratory studies the basic mechanisms of neoplastic transformation and altered growth control in malignant brain tumors and tumors that metastasize to the brain and spinal cord. Monoclonal antibodies and tumor vaccines developed in this laboratory have been shown in clinical trials to significantly increase survival rates for patients with malignant brain tumors. Dr. Bigner has been awarded his third consecutive MERIT Award by the National Cancer Institute (NCI). He is also principal investigator of a National Institute of Neurological Disorders and Stroke Specialized Research Center Grant on Primary and Metastatic Tumors of the Central Nervous System, the Duke NCI SPORE on Brain Cancer, and numerous foundation grants. Except for spending 1968 to 1970 at the National Institutes of Health, Dr. Bigner has spent his entire career at Duke after earning medical and doctoral degrees here.

### Edwin L. Jones, Jr., and Lucille Finch Jones Cancer Research Professor of Pathology

Edwin L. Jones, Jr., and his wife, Lucille, of Charlotte, North Carolina, established this endowment in 1979 to fund a professorship in cancer research. Mr. Jones, who graduated from the Duke University School of Engineering in 1948, served as a member of the Duke University Board of Trustees for many years. The Jones family has supported Duke University for decades. Gifts from the five children of Mr. and Mrs. Jones; his mother, Mrs. Anabel L. Jones; and the J.A. Jones Construction Company of Charlotte made possible the Edwin L. Jones, Sr., Cancer Research Building. Other Jones family gifts to Duke have supported the School of Engineering, the Divinity School, athletic scholarships, and many areas of the Duke Comprehensive Cancer Center.





## Daniel Blazer, M.D., M.P.H., Ph.D.

J.P. Gibbons Professor of Psychiatry and Behavioral Sciences

Daniel Blazer, M.D., M.P.H., Ph.D., is the J.P. Gibbons Professor of Psychiatry and Behavioral Sciences. He also holds appointments as professor in the Department of Community Medicine and as adjunct professor of epidemiology at the University of North Carolina at Chapel Hill's School of Public Health. Dr. Blazer's primary research has focused on the epidemiology of psychiatric and physical disorders and substance use among community-dwelling elders. Dr. Blazer serves as past president of the American Geriatrics Society and the American Association of Geriatric Psychiatry. He is a member of the Institute of Medicine of the National Academy of Sciences. He is the recipient of the Milo Leavitt Award from the American Geriatrics Society for Life Contributors to Education in Geriatric Medicine; the Pioneer Award in Geriatric Psychiatry; the Rema LaPouse Award from the American Public Health Association; and the Jack Weinberg Award (geriatric psychiatry) and the Oscar Pfister Award (psychiatry and religion) from the American Psychiatric Association. In 2005 he received the Distinguished Faculty Award from the Duke Medical Alumni Association. Dr. Blazer earned an undergraduate degree from Vanderbilt University, an M.D. from the University of Tennessee, and an M.P.H. and Ph.D. from the University of North Carolina, Chapel Hill. He completed a residency in psychiatry at Duke and a fellowship in consultation liaison psychiatry from Montefiore Hospital and Medical Center in New York.

### **J.P. Gibbons Professor of Psychiatry and Behavioral Sciences**

This professorship was established in 1963 by the late John P. Gibbons, Jr., and his wife, Dorothy, of Efland, North Carolina. That year, Mr. Gibbons, a 1929 graduate of Duke University's Trinity College, and his daughter attended a lecture at Duke University Medical Center on mental health issues. The lecture inspired Mr. Gibbons to establish a professorship to support research in Duke's Department of Psychiatry.



## Keith Brodie, M.D.

James B. Duke Professor of Psychiatry

Keith Brodie, M.D., is the James B. Duke Professor of Psychiatry and Duke University president, emeritus. He came to Duke in 1974 as a professor and chairman of the Department of Psychiatry and director of psychiatric services at Duke University Medical Center. Dr. Brodie's tenure as president was from 1985 to 1993, and he also held professorships in the Law School and the Department of Psychology. Before coming to Duke, he worked in hospitals in New Orleans and New York City and was appointed clinical associate with the National Institute of Mental Health in 1968. In 1970 he joined the medical faculty of Stanford University. Dr. Brodie served as chair of the Institute of Medicine's Committee on Substance Abuse and Mental Health Issues in AIDS Research and served as co-author of the Committee's report, *AIDS and Behavior: An Integrated Approach*. In 1994 the American College of Physicians honored him with the William C. Menninger Award. He is past president of the American Psychiatric Association and a member of the Institute of Medicine of the National Academy of Sciences. He co-authored with Lawrence Kolb *Modern Clinical Psychiatry*, which was published in four languages. His memoir on the Duke presidency, *Keeping an Open Door*, co-authored with Leslie Banner, was published in 1996. His book, *The Research University Presidency in the Late Twentieth Century*, also co-authored with Leslie Banner, was published in 2005. Dr. Brodie earned a bachelor's degree from Princeton University and a medical degree from Columbia University.

### James B. Duke Professor of Psychiatry

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## Haywood Brown, M.D.

Roy T. Parker, M.D., Professor of Obstetrics and Gynecology

Haywood Brown, M.D., is the Roy T. Parker, M.D., Professor and chair of the Department of Obstetrics and Gynecology. Before joining the Duke faculty in 2002, Dr. Brown served on the faculty at Louisiana State University School of Medicine in New Orleans and at Indiana University School of Medicine, where he rose to the rank of professor of obstetrics and gynecology. Dr. Brown is committed to the care of women at high risk for adverse pregnancy outcomes, particularly the disadvantaged, and his research focus is in perinatal health disparities. Nationally recognized for his contributions to medical education, he has received numerous teaching awards. He has served on the U.S. Food and Drug Administration's Advisory Committee for Reproductive Health Drugs, the NIH's District of Columbia Initiative on Infant Mortality, and as co-chair of the Health Resources and Services Administration Perinatal and Patient Safety Collaborative. Dr. Brown is active with the American College of Obstetricians and Gynecologists. He has served as a director for the American Board of Obstetrics and Gynecology, a member of the board of directors and president of the Society for Maternal Fetal Medicine, and chair of the Obstetrics and Gynecology Section of the National Medical Association. He is a member of the Division of Maternal Fetal Medicine of the American Board of Obstetrics and Gynecology and past chair of the Council on Resident Education in Obstetrics and Gynecology. Dr. Brown earned a medical degree from Wake Forest University School of Medicine. He completed a residency in obstetrics and gynecology at the University of Tennessee Center for the Health Sciences in Knoxville, followed by subspecialty fellowship training in maternal fetal medicine at Emory University School of Medicine.

### Roy T. Parker, M.D., Professor of Obstetrics and Gynecology

This professorship was established in 1982 by friends and colleagues to honor Roy T. Parker, M.D. Named the F. Bayard Carter Professor in 1970, Dr. Parker served Duke University as professor from 1953 to 1980 and chairman of the Department of Obstetrics and Gynecology from 1964 to 1980. Dr. Parker belonged to many professional societies and served as president of the Association of Professors of Obstetrics and Gynecology, The F. Bayard Carter Society, and The American College of Obstetrics and Gynecology. He also was an ad eundum member of the Royal College of Obstetrics and Gynecology.



## Rebecca Buckley, M.D.

J. Buren Sidbury Professor of Pediatrics

Rebecca Buckley, M.D., is the J. Buren Sidbury Professor of Pediatrics and a professor of immunology. During nearly a half-century at Duke, she has made major contributions to the treatment of children with allergic and immunologic diseases. By using bone marrow transplantation during the first three months of life, Dr. Buckley is able to cure 96 percent of babies born with the syndrome of severe combined immunodeficiency (SCID), a group of fatal genetic diseases. She has received numerous awards and honors for research and teaching, including election to Alpha Omega Alpha, the National Institutes of Health MERIT Research Award, and the Immune Deficiency Foundation's Lifetime Achievement Award. She is an honorary fellow of the American Academy of Allergy, Asthma, and Immunology and a fellow of the American Association for the Advancement of Science. Dr. Buckley was elected to the Institute of Medicine of the National Academies of Science in 2003 and received the William G. Anlyan Lifetime Achievement Award from the Duke Medical Alumni Association in 2006. She has held many positions of international leadership in her field, including the presidency of the American Academy of Allergy, Asthma, and Immunology and the American Pediatric Society. A native of Hamlet, N.C., she graduated from Duke University in 1954 and from the University of North Carolina School of Medicine in 1958. She then returned to Duke for training in pediatrics and allergy-immunology.

### J. Buren Sidbury Professor of Pediatrics

This professorship was established in 1965 by the late J. Buren Sidbury, M.D., a 1908 graduate of Duke University's Trinity College and former Duke University Trustee. Dr. Sidbury was widely recognized as a pioneer in the field of pediatrics and founded the Babies Hospital in Wrightsville Beach, North Carolina, in 1920.





## Robert Califf, M.D.

Donald F. Fortin, M.D., Professor of Cardiology

Robert Califf, M.D., is the Donald F. Fortin, M.D., Professor of Cardiology, vice chancellor for clinical research, and director of the Duke Translational Medicine Institute. A professor of medicine in the Division of Cardiology, Dr. Califf remains a practicing cardiologist. He has led some of the best-known clinical trials and health-outcomes studies in cardiovascular medicine. Currently the seventh most frequently cited author in medicine, he is considered a leader in the fields of quality of care, technology development, and health policy. Dr. Califf has served on many health policy development committees, including the U.S. Food and Drug Administration's Science Board and Cardio-Renal Panel, as well as the Institute of Medicine's Committee on Identifying and Preventing Medication Errors and Forum on Drug Discovery and Translation. He also was the founding director of the Coordinating Center for the Centers for Education and Research in Therapeutics, a public-private partnership focused on the safety of medical products. After serving for 10 years as the Duke Clinical Research Institute's founding director, Dr. Califf founded the Duke Translational Medicine Institute, which encompasses the spectrum of translational research at Duke. In 2006 he received the Distinguished Faculty Award from the Duke Medical Alumni Association. He graduated from Duke University's Trinity College summa cum laude and Phi Beta Kappa and Duke University School of Medicine Alpha Omega Alpha.

### **Donald F. Fortin, M.D., Professor of Cardiology**

Summit Medical Systems, Inc., of Minneapolis, Minnesota, established both this professorship and a fellowship in medical information technology. The professorship honors Donald F. Fortin, M.D., a former Duke assistant professor of cardiology and vice president of Summit Medical Systems. He completed training in cardiology at Duke from 1988 to 1991.



## Marc Caron, Ph.D.

James B. Duke Professor of Cell Biology

Marc Caron, Ph.D., is a James B. Duke Professor of Cell Biology as well as professor and research professor in the Departments of Neurobiology and Medicine. Prior to joining Duke, Dr. Caron was an assistant professor in the Department of Physiology at Laval University in Quebec. He is a recipient of the Bristol-Myers Squibb Unrestricted Neuroscience Grant, the DuPont Prize for receptor research, and, for seven years, the Javits Neuroscience Investigator Award. Dr. Caron lectures internationally and holds numerous patents. His research interests include hormones, neurotransmitters, neurotransmitter transporters and receptors, G protein-coupled receptors, adrenergic and dopamine receptors, their mechanisms of signaling desensitization, and the neurobiological mechanisms underlying central nervous system disorders such as schizophrenia, Parkinson's disease, attention deficit hyperactivity disorder, and mood disorders. Dr. Caron earned an undergraduate degree from Laval University and a Ph.D. from the University of Miami.

### James B. Duke Professor of Cell Biology

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## Patrick J. Casey, Ph.D.

James B. Duke Professor of Pharmacology and Cancer Biology

Patrick J. Casey, Ph.D., is the James B. Duke Professor of Pharmacology and Cancer Biology, senior vice dean for research at the Duke-National University of Singapore Graduate Medical School, and the founding director of the Duke Center for Chemical Biology, a group of Duke scientists dedicated to research and training in the application of chemical and physical principles to biology, disease, and medical therapies. Dr. Casey joined Duke in 1990 as an assistant professor of molecular cancer biology and biochemistry and was named a James B. Duke Professor in 2002. His research interests focus on lipid modifications of proteins and the delineation of novel signaling processes of heterotrimeric G proteins. His work has led to the development of new cancer therapies. Dr. Casey has been honored with the March of Dimes Basil O'Connor Scholar Award, the American Heart Association's Established Investigator Award, and the Amgen Award from the American Society of Biochemistry and Molecular Biology. He earned a Ph.D. in biochemistry from Brandeis University and completed a postdoctoral fellowship in the Department of Pharmacology at the University of Texas Southwestern Medical Center.

### **James B. Duke Professor of Pharmacology and Cancer Biology**

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## Thomas Coffman, M.D.

James R. Clapp Professor of Medicine

Thomas Coffman, M.D., is the James R. Clapp Professor of Medicine, a professor of cell biology and immunology, and chief of the Division of Nephrology. A national leader in the field of nephrology, Dr. Coffman has served on several National Institutes of Health review panels and advisory boards and serves on the editorial boards of the *American Journal of Physiology*, *Physiological Reviews*, and *Cell Metabolism*. A member of the Nephrology Subspecialty Board of the American Board of Internal Medicine, the American Society for Clinical Investigation, and the American Association of Physicians, he is currently president-elect of the American Society of Nephrology. Dr. Coffman's research interests include the renin-angiotensin and prostanoid systems and their role in regulating blood pressure, kidney function, and renal inflammation. His work is supported by grants from the NIH and the Department of Veterans Affairs. Dr. Coffman graduated cum laude from the University of Pennsylvania and earned an M.D. from the Ohio State University School of Medicine. He completed internal medicine and nephrology training at Duke.

### James R. Clapp Professor of Medicine

This professorship was established in 2001 by grateful patients, friends, and colleagues to honor James R. Clapp, Jr., M.D., upon his retirement from Duke University Medical Center. A 1954 graduate of Duke University's Trinity College, Dr. Clapp joined the faculty in the Division of Nephrology in 1963. In 1991, when the Duke Center for Living opened, he became the director of its Andrew G. Wallace, M.D., Clinic. He went on to serve as the founding director of the Center's Executive Health Program.





## Harvey Jay Cohen, M.D.

Walter Kempner Professor of Medicine

Harvey Jay Cohen, M.D., is the Walter Kempner Professor of Medicine, chair of the Department of Medicine, and director of the Center for the Study of Aging and Human Development. In the 1970s he helped initiate the Geriatric Fellowship Program at Duke and subsequently helped formulate and become chief of the interdepartmental Division of Geriatrics. In 1982 Dr. Cohen assumed the role of director of the Center for the Study of Aging and Human Development—and led the effort to establish the Geriatric Research, Education, and Clinical Center at the Veterans Affairs Medical Center in Durham, of which he became director. Under his leadership the Duke geriatrics program has consistently been ranked among the country's top five. Dr. Cohen has been the principal investigator of the Claude Pepper Older Americans Independence Center at Duke since its inception in 1992. That same year he received the Distinguished Teaching Award from the Duke Medical Alumni Association. Dr. Cohen is a fellow of the Gerontological Society of America (GSA), has served as the society's president, and has been honored with its Freeman and Kent Awards. He has served the American Geriatrics Society (AGS) as a board member, president, and chairman of the board. In 2005 he received the AGS's Dennis W. Jahnigen Memorial Award. Dr. Cohen has been a pioneer in the establishment of programs to train physician-scientists in geriatric medicine and in the establishment of geriatric oncology programs, and is recognized as one of the leading U.S. academic clinical investigators in geriatrics. He was elected to the American Association of Physicians—one of few geriatricians so honored—and served as chairman of the National Institute on Aging Board of Scientific Counselors from 1999 to 2003. A past president of the International Society of Geriatric Oncology, Dr. Cohen serves on the advisory and review panels for foundations that include the John A. Hartford Foundation, the Donald W. Reynolds Foundation, and the American Federation for Aging Research and is a senior fellow of the Brookdale Foundation. Dr. Cohen received an undergraduate degree from Brooklyn College and his medical degree from State University of New York Downstate Medical College. He trained in internal medicine and in hematology/oncology at Duke.

### Walter Kempner Professor of Medicine

Upon his retirement in 1972, friends and colleagues of Walter Kempner, M.D., established this professorship to recognize his nearly four decades of service to Duke University Medical Center and his patients from around the world. Dr. Kempner was internationally recognized for creating the Rice Diet, an innovative approach to the management of obesity-related problems like kidney disease, heart disease, hypertension, and diabetes through a prescribed low-protein, -fat, and -salt diet of rice and fruit.



## Michael Colvin, M.D.

William W. Shingleton, M.D., Professor of Cancer Research

Michael Colvin, M.D., is the William W. Shingleton, M.D., Professor of Cancer Research and director emeritus of the Duke Comprehensive Cancer Center (1995 to 2002). He also holds an appointment in the Department of Pharmacology and Cancer Biology. Dr. Colvin joined Duke's faculty in 1995 from The Johns Hopkins Oncology Center, where he was chief of the Division of Pharmacology and Experimental Therapeutics. His current research interests include the mechanism of action and cellular resistance to alkylating agents, preclinical and clinical pharmacology of anti-tumor agents, pharmacology of bone-marrow and stem-cell transplantation, and the development of new agents for the treatment of brain tumors and other malignancies. A recipient of the 2003 R. Wayne Rundles, M.D., Award for Excellence in Cancer Research, Dr. Colvin is a widely published researcher and has been a visiting professor at the Toronto Cancer Institute and Memorial Sloan-Kettering. He graduated Phi Beta Kappa from Indiana University in 1957 and from Washington University School of Medicine in 1961, Alpha Omega Alpha.

## William W. Shingleton, M.D., Professor of Cancer Research

This professorship was established in 1987 by friends and colleagues of William W. Shingleton, M.D., director emeritus of the Duke Comprehensive Cancer Center, for his 40-plus years of service to Duke University Medical Center and service to the Cancer Center since its inception in 1972. Dr. Shingleton was internationally recognized as a cancer researcher and cancer center administrator. Under his leadership, Duke's Cancer Center—one of the first of a national network of comprehensive cancer centers created by an act of Congress—grew from 50 to more than 200 physicians and scientists in 16 medical departments. A surgeon and former Edwin L. Jones, Jr., and Lucille Finch Jones Cancer Research Professor, Dr. Shingleton was appointed by Presidents Nixon and Ford to two terms on the National Cancer Advisory Board and was active in many state, national, and international professional organizations. He received the Duke Medical Alumni Association's Humanitarian Award in 1997. Upon his retirement, a cancer research endowment was also established in his honor.





## G. Ralph Corey, M.D.

Gary Hock Professor of Global Health

G. Ralph Corey, M.D., is the Gary Hock Professor of Global Health, the director of the Hubert-Yeargan Center for Global Health, and a professor of medicine in the Division of Infectious Diseases. After serving as program director for the Internal Medicine Residency Training Program for 18 years, Dr. Corey joined the Duke Clinical Research Institute as a principal investigator, conducting international trials for bloodstream infections, hospital-acquired pneumonia, and skin and soft-tissue infections. He initiated the *Staphylococcus aureus* Bacteremia Group, which has collected data on more than 2,000 patients over 15 years. Dr. Corey co-founded the International Collaboration on Endocarditis, which has collected data on more than 4,000 patients in 30 countries over the past six years, and assisted in developing the Duke endocarditis database. In 1985 he launched the Duke International Health Program, which has sent more than 250 residents for training in Brazil, China, Pakistan, Thailand, Kenya, Tanzania, and Australia. Dr. Corey has been honored with awards that include the Golden Apple Award, the Eugene A. Stead, M.D., Teaching Award, and the Distinguished Faculty Award from the Medical Alumni Association. Dr. Corey's commitment to global health—and the generosity of the Hubert and Yeargan families—led to the creation of the Hubert-Yeargan Center in 2005. Dr. Corey earned an undergraduate degree in physics from Duke University, a medical degree from Baylor College of Medicine, and completed an internship, residency, chief residency, and fellowship at Duke.

### Gary Hock Professor of Global Health

Durham real estate developer Gary Hock established this professorship in 2005 to support the study of HIV/AIDS and other infectious diseases. He was inspired after seeing firsthand the damage done by uncontrolled infectious diseases during his many travels to developing countries. In addition to expanding medical students' knowledge of global health, it is Mr. Hock's hope that this professorship will one day help bring an end to infectious diseases, particularly HIV. This gift is one of several Mr. Hock has made to Duke Medicine. In 2004 he purchased \$3.5 million worth of high-end medical research equipment for use by Duke's physician-scientists. He also was a principal contributor to the Duke HomeCare and Hospice Center's building fund.



## Scott Cousins, M.D.

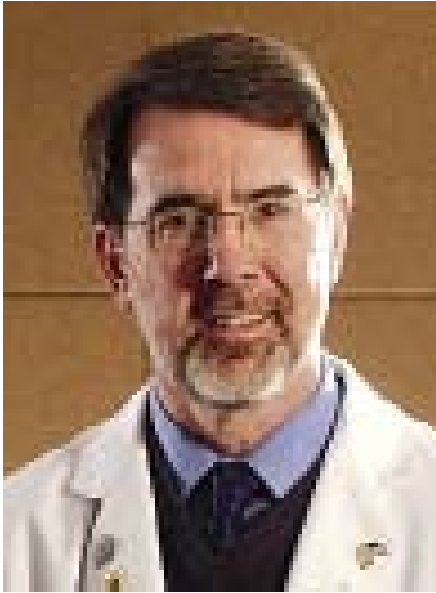
Robert Machemer, M.D., Professor of Ophthalmology

Scott Cousins, M.D., is a Robert Machemer, M.D., Professor of Ophthalmology and director of the Duke Center for Macular Diseases. He also holds an appointment in the Department of Immunology. A retina-trained ophthalmologist, Dr. Cousins specializes in the diagnosis, treatment, and research of macular diseases. His clinical practice focuses on age-related macular degeneration, diabetic retinopathy, and retinal vascular diseases. He is involved in clinical trials, the development of innovative therapies for macular diseases, and research of wet and dry macular degeneration. Dr. Cousins also is developing blood tests and new imaging technologies to identify patients at high risk for complications of macular degeneration. He is a member of professional societies that include the American Academy of Ophthalmology, the American Medical Association, and the American Association of Immunologists. His honors and awards include the 2006 Alcon Research Foundation Clinical Scientist Award and the 2003 Lew R. Wasserman Merit Award from Research to Prevent Blindness. Prior to coming to Duke, he served as a professor of ophthalmology and director/co-director of research at the University of Miami's Bascom Palmer Eye Institute. Dr. Cousins earned a medical degree at Case Western Reserve University, received residency training at Washington University School of Medicine, and completed a clinical fellowship in vitreoretinal diseases at the Bascom Palmer Eye Institute.

## Robert Machemer, M.D., Professor of Ophthalmology

In 1992 patients, colleagues, and friends of Robert Machemer, M.D., united to establish this endowment in his honor. Known as the father of vitreoretinal surgery, Dr. Machemer chaired Duke's Department of Ophthalmology from 1978 to 1991 and helped Duke build an international reputation in ophthalmology. He developed many of the techniques and surgical instruments now commonly used to restore sight to people with vitreoretinal diseases, diabetic retinopathy, and retinal detachments. Dr. Machemer retired in 1998.





## Jeffrey Crawford, M.D.

George Barth Geller Professor for Research in Cancer

Jeffrey Crawford, M.D., is the George Barth Geller Professor for Research in Cancer, and chief of medical oncology in the Department of Medicine at Duke. Dr. Crawford has led many clinical trials of cancer drugs—several of which led to FDA approval—with a focus on new agents in lung cancer and hematopoietic growth factors. He serves on the editorial boards of several cancer journals. Duke has honored Dr. Crawford with the Joseph Greenfield Research Faculty Award, the Wayne Rundles Award for Excellence in Clinical Research, and the Wendell Rosse Teaching Award. An active member of the American Society of Clinical Oncology, Dr. Crawford has served on the fellowship training committee and lung cancer scientific committee and chaired the continuing medical education committee. He currently holds several positions with the National Comprehensive Cancer Network, including chair of the Myeloid Growth Factor Committee and member of the Clinical Trials Network Investigator Steering Committee. He also chairs the myelosuppression committee for the Multinational Association of Supportive Care. Dr. Crawford is the principal investigator for the T32 Oncology Training Grant at Duke. He has served as principal investigator for Cancer and Leukemia Group B clinical trials for more than a decade and is vice chair of the CALGB respiratory committee. Dr. Crawford earned his bachelor's degree at Ohio Wesleyan University and his medical degree at Ohio State University. He completed an internship, a hematology/oncology fellowship, a residency, and a geriatric medicine fellowship at Duke.

### George Barth Geller Professor for Research in Cancer

This is one of a series of endowments established in the late 1980s by George Barth Geller, M.D., a general surgeon who practiced in New York and Florida. Dr. Geller had no connection to Duke University and never visited Durham. He was introduced to Duke by Fenner Douglass, a Duke professor of music and university organist, and his brother, John Douglass, an attorney. When Dr. Geller died in 1992, an additional bequest helped to further support these endowments.



## Bryan R. Cullen, Ph.D.

James B. Duke Professor of Molecular Genetics and Microbiology

Bryan R. Cullen, Ph.D., is a James B. Duke Professor of Molecular Genetics and Microbiology and director of the Duke Center for Virology. He also serves as a research professor in medicine, the scientific co-director of the Durham Veterans Affairs Research Center on AIDS and HIV Infection, and a director of programs within the Duke Center for AIDS Research and the Duke Comprehensive Cancer Center. His research, which focuses on understanding the molecular biology of pathogenic human viruses, has been widely published, and he is one of the world's most frequently cited scientists. In 2002 Dr. Cullen was appointed visiting professor at London's Imperial College of Science, Technology, and Medicine, and in 2006 he was awarded a distinguished fellowship by the Institute of Advanced Studies at Durham University in England. Prior to joining the Duke faculty in 1987, he earned a master's degree in virology from the Queen Elizabeth Medical School at the University of Birmingham and a Ph.D. in microbiology from the University of Medicine and Dentistry of New Jersey.

### **James B. Duke Professor of Molecular Genetics and Microbiology**

The James B. Duke Professorships were created in 1953 by a special grant from The Duke Endowment to honor well-established members of the Duke academic community, regardless of field, who have achieved distinction as creative scholars. The professorships honor the late James B. Duke, industrialist and philanthropist, who was the principal benefactor of Duke University.





## Mark W. Dewhirst, D.V.M., Ph.D.

Gustavo Montana Professor of Radiation Oncology

Mark W. Dewhirst, D.V.M., Ph.D., is the Gustavo Montana Professor of Radiation Oncology and director of the Radiation Oncology Program of the Duke Comprehensive Cancer Center. He also holds appointments in the Departments of Pathology and Biomedical Engineering at Duke and in the Department of Anatomy, Pathology, and Radiology at the School of Veterinary Medicine at North Carolina State University. Dr. Dewhirst joined the Duke faculty in 1984. In addition to directing a grant to study the use of hyperthermia in cancer treatment, Dr. Dewhirst has research interests in tumor hypoxia, angiogenesis, and drug transport, with an emphasis on translational research. His current work examining the potential role of hyperthermia to augment selective drug delivery to tumors is an example. His work with engineering faculty to develop a novel temperature-sensitive liposome is now in human clinical trials. Dr. Dewhirst has pioneered new methods for improving tumor oxygenation and has worked with clinical faculty to test these concepts in patients as a means to improve radiation and chemotherapy response. A recipient of the 2001 Wayne Rundles Award, Dr. Dewhirst has been a visiting professor at institutions that include Vanderbilt University, the National Cancer Institute, St. Jude's Children's Research Hospital, the University of Louvain, Memorial Sloan-Kettering Cancer Center, and the University of Pennsylvania. He has received prestigious lectureships such as the A.C. Burton Lecture (University of Western Ontario) and the Bruce Cain Lecture (New Zealand Cancer Society). Dr. Dewhirst serves on the editorial boards of several journals and is editor-in-chief of the *International Journal of Hyperthermia*. He earned a degree in chemistry from the University of Arizona and D.V.M. and Ph.D. degrees from Colorado State University.

### **Gustavo Montana Professor of Radiation Oncology**

Duke University established this professorship to honor Gustavo Montana, M.D., upon his retirement in 2001. Dr. Montana was a professor in the Department of Radiation Oncology and chief of oncology at the Durham Veterans Affairs Medical Center. Active in the multi-modality therapy of patients with lung malignancies, Dr. Montana also studied patterns of patient care and the impact of age on patient outcomes at the Durham VA Thoracic Oncology Clinic.



## Anna Mae Diehl, M.D.

Florence McAlister Professor of Medicine

Anna Mae Diehl, M.D., is the Florence McAlister Professor of Medicine, chief of the Division of Gastroenterology, director of the Duke Liver Center, and professor of medicine in the Division of Gastroenterology. She came to Duke from Johns Hopkins University, where she served as the Paulson Professor of Medicine and director of hepatology in the Division of Gastroenterology. A member of the American Society for Clinical Investigation and the Association of American Physicians, Dr. Diehl has won numerous awards, including the American Association for the Study of Liver Disease's Leon Schiff Prize for Excellence in Clinical Research, the Hans Popper Award from the International Association for the Study of Liver Diseases for Excellence in Basic Research, and the Sheila Sherlock Award for Overall Excellence in Hepatology from the British Gastroenterology Society. Her basic research focuses on mechanisms of liver repair and complements her clinical care and study of patients with various acute and chronic liver diseases. Dr. Diehl graduated Phi Beta Kappa from Georgetown University in 1974 and summa cum laude, Alpha Omega Alpha from Georgetown University School of Medicine in 1978, winning the Janet M. Glasgow Award for women who graduate first in their medical school class and the Kober Award for Overall Academic Excellence. She completed clinical training in internal medicine and gastroenterology at the Johns Hopkins University School of Medicine.

### **Florence McAlister Professor of Medicine**

This professorship was established in 1936 by the late Amelie McAlister Upshur from New York, New York, as a memorial to her late sister Florence McAlister. Mrs. Upshur also bequeathed the McAlister Auditorium at Tulane University in memory of her mother, Mrs. Armantine Reynaud McAlister, as well as the McAlister Building at Greer School in New York in honor of her father William Henry McAlister Upshur. Dr. Frederick Hanes, a member of the original faculty of Duke University School of Medicine, professor of neurology, and Department of Medicine chair, served as the first Florence McAlister Professor of Medicine from 1930 to 1946, followed by Eugene A. Stead, Jr., M.D., who served as chair of medicine from 1947 to 1967.





## Pamela S. Douglas, M.D.

Ursula Geller Professor for Research in Cardiovascular Diseases

Pamela S. Douglas, M.D., is the Ursula Geller Professor for Research in Cardiovascular Diseases in the Department of Medicine and former chief of the cardiovascular division at Duke. She is internationally known for her scientific work in noninvasive diagnostic testing, ventricular function and exercise, and heart disease in women. Her pioneering work using echocardiography to define phenotype in mice won national research awards and has been adopted worldwide as a core component of cardiovascular translational research. Dr. Douglas has helped set the nation's research and clinical agendas in women's health, contributing to ongoing advances in women's cardiovascular medicine. She has also advanced the understanding of the athlete's heart and was nominated for the 2000 International Olympic Committee Prize in Exercise Science. Most recently, she had an international leadership role in defining quality of care in cardiovascular diagnostic testing. Dr. Douglas is a past president of both the American College of Cardiology and the American Society of Echocardiography. She has served on the faculties of the University of Pennsylvania, Harvard Medical School, and the University of Wisconsin, where she led the Section of Cardiovascular Medicine and was the first holder of the Dr. Herman and Ailene Tuchman Professorship in Cardiovascular Medicine. She graduated from Princeton University and the Medical College of Virginia and completed internal medicine and cardiology training at the Hospital of the University of Pennsylvania.

### Ursula Geller Professor for Research in Cardiovascular Diseases

One of a series of endowments established in the late 1980s by Dr. George Barth Geller, a general surgeon who practiced in New York and Florida, this professorship was established in honor of Dr. Geller's wife, Ursula. Dr. Geller had no connection to Duke University and never visited Durham. He was introduced to Duke by Mr. Fenner Douglass, a Duke professor of music and university organizer, and his brother, Mr. John Douglass, an attorney. When Dr. Geller died in 1992, an additional bequest helped to further support these endowments.



## Victor J. Dzau, M.D.

James B. Duke Professor of Medicine

Victor J. Dzau, M.D., is a James B. Duke Professor of Medicine, director of the Mandel Center for Hypertension and Atherosclerosis Research, chancellor for health affairs at Duke University, and president and CEO of the Duke University Health System. Widely regarded as the founder of vascular medicine, Dr. Dzau pioneered gene therapy for vascular disease and was the first to introduce DNA decoy molecules to block transcriptions as gene therapy *in vivo*. His academic interests are in translational research and global health, and his laboratory has studied the molecular and genetic mechanisms of cardiovascular disease and applied genomic and gene-transfer technologies to develop novel therapeutic approaches. His work on the renin angiotensin system (RAS) paved the way for the understanding of RAS in cardiovascular disease and the development of RAS inhibitors as therapeutics. Dr. Dzau's many honors include the Ellis Island Medal of Honor, the Max Delbrück Medal, the Swedish Royal College of Medicine's Gustav Nylin Medal, and the International Institute of Boston's Golden Door Award. He has been elected to the National Academy of Sciences Institute of Medicine and the European Academy of Sciences and Arts, and named an American Heart Association Distinguished Scientist. Dr. Dzau has served as Stanford University's Department of Medicine chair and Arthur Bloomfield Professor—and as the Hersey Professor of the Theory and Practice of Medicine and Department of Medicine chair, Harvard Medical School at Brigham and Women's Hospital, and physician-in-chief and director of research at Brigham and Women's Hospital. He earned an M.D. from McGill University and received postgraduate training at Harvard Medical School.

### James B. Duke Professor of Medicine

The James B. Duke Professorships were created in 1953 by a special grant from The Duke Endowment to honor well-established members of the Duke academic community, regardless of field, who have achieved distinction as creative scholars. The professorships honor the late James B. Duke, industrialist and philanthropist, who was the principal benefactor of Duke University.





## David L. Epstein, M.D., M.M.M.

Joseph A.C. Wadsworth Clinical Professor of Ophthalmology

David L. Epstein, M.D., M.M.M., is the Joseph A.C. Wadsworth Clinical Professor of Ophthalmology, chair of the Department of Ophthalmology, and director of the Duke Eye Center. His research on glaucoma and the role of aqueous humor outflow has been continuously funded by the National Eye Institute for more than two decades. Dr. Epstein has developed novel drugs to regulate outflow that have the potential to control or cure glaucoma. Under his direction, the Duke Eye Center has become one of the country's premier centers for eye-related research, treatment, and education. Dr. Epstein earned an M.D. from the Johns Hopkins University School of Medicine and holds a master's degree of medical management in health systems management from Tulane University School of Public Health and Tropical Medicine.

### **Joseph A.C. Wadsworth Clinical Professor of Ophthalmology**

This is one of two professorships in ophthalmology established in 1980 by the late James M. Hornaday and his wife, Virginia. Mr. Hornaday, a 1920 graduate of Duke University's Trinity College, was the owner of Guilford Mills of Greensboro, North Carolina. The professorships honor the late Joseph A.C. Wadsworth, M.D., a 1939 graduate of Duke University School of Medicine and the first chairman of the Duke Department of Ophthalmology.



## Harold Erickson, Ph.D.

James B. Duke Professor of Cell Biology

Harold Erickson, Ph.D., is the James B. Duke Professor of Cell Biology. A member of the Duke faculty since 1971, he began his career working with Nobel Prize winner Aaron Klug at the Medical Research Council Laboratory in Cambridge, England, developing techniques for computer reconstruction of electron microscope images. Dr. Erickson's initial research at Duke focused on the cytoskeleton—in particular, the assembly of microtubules—and he extended his interest in protein assembly to the extracellular matrix. His laboratory was one of the first to develop modern techniques for electron microscopy of single-protein molecules using rotary shadowing. His current research on the cytoskeleton has moved from eukaryotic cells to bacteria, with a focus on FtsZ and bacterial cell division. His lab is also studying the assembly and elastic properties of the fibronectin extracellular matrix, which is important in embryonic development, wound healing, and cancer. Dr. Erickson teaches histology to first-year medical students and a variety of topics in biochemistry to graduate students. He holds a Ph.D. in biophysics from Johns Hopkins University.

### James B. Duke Professor of Cell Biology

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## Ramon Esclamado, M.D.

Richard Hall Chaney, Sr., Professor of Otolaryngology

Ramon Esclamado, M.D., is the Richard Hall Chaney, Sr., Professor of Otolaryngology and chief of the Division of Otolaryngology-Head and Neck Surgery in the Department of Surgery. Dr. Esclamado is recognized for his research and clinical contributions in the field of microvascular reconstruction of head and neck cancer defects, and clinical expertise in the multidisciplinary management of head and neck tumor patients. He also has a strong commitment to resident education. Prior to joining the Duke faculty in 2006, he served as vice chair of the Cleveland Clinic Foundation's Head and Neck Institute and director of the Section of Head and Neck Surgery, where he rose to the rank of professor of surgery. Dr. Esclamado formerly served as director of the Division of Head and Neck Surgery in the University of Michigan's Department of Otolaryngology—and led the Head and Neck Oncology Program of the university's Comprehensive Cancer Center. He has served on a variety of committees of the American Academy of Otolaryngology Head and Neck Surgery, on the editorial board of *Head and Neck*, and on the Council for the American Head and Neck Society. Dr. Esclamado earned a medical degree from the University of California, Davis, and a master's degree in experimental pathology from the University of Washington, where he also completed a residency in otolaryngology.

### Richard Hall Chaney, Sr., Professor of Otolaryngology

This professorship was established in 1996 by Mr. Richard Hall Chaney, Sr., co-founder and chief executive officer of Chaney Enterprises, Ltd., and his wife Mary Mac Chaney. Mr. Chaney was a cancer patient committed to helping find a cure for throat cancer. His experience led him to create this professorship in honor of his physician, William J. Richtsmeier, M.D., Ph.D. It benefits Duke's Division of Otolaryngology-Head and Neck Surgery and is intended to help Duke physician-scientists find a cure for a devastating disease that has plagued the Chaney family and many others.



## Michael Frank, M.D.

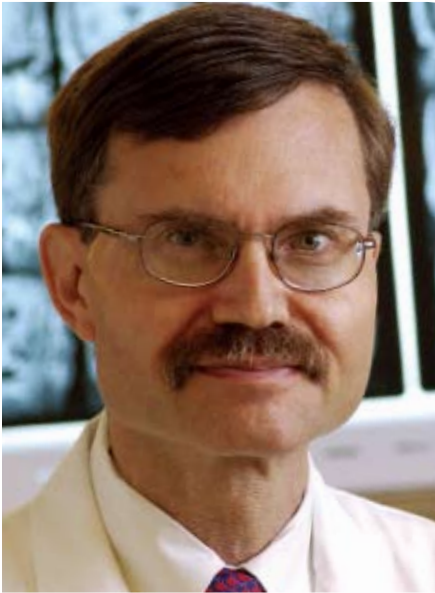
Samuel L. Katz Professor of Pediatrics

Michael Frank, M.D., is the Samuel L. Katz Professor of Pediatrics, chairman emeritus of the Department of Pediatrics, and professor of immunology. Dr. Frank is an internationally recognized expert on the role of complement in innate immunity and on the biological and medical consequences of complement activation. His studies on autoimmune hemolytic anemia provided breakthrough insights on the role of antibody and complement in clearing red blood cells from circulation. Dr. Frank conducted landmark studies on the inhibitor of C1's role in hereditary angioedema, developed the first therapy for this disease, and carried out critical controlled clinical trials that led to patient cures. He also conducted landmark studies of the role of complement in protection from infectious diseases. A Ford Foundation Scholar at the University of Wisconsin, he attended Harvard Medical School and was a house officer on the Harvard Service at Boston City Hospital. He also was a pediatric resident at Johns Hopkins Hospital, an allergy-immunology fellow, and a National Institutes of Health (NIH) clinical associate. After immunology training at the National Institute for Medical Research in London, Dr. Frank returned to the NIH as a senior staff member and joined the National Institute of Allergy and Infectious Diseases (NIAID) as chief of the Humoral Immunity Section. From 1977 to 1990 he served as NIAID's clinical director and chief of the Laboratory of Clinical Investigation.

### Samuel L. Katz Professor of Pediatrics

This professorship was established in 1988 to honor Samuel L. Katz, M.D., for his outstanding leadership in the children's health care program at Duke University Medical Center during his 20 years as chairman of the Department of Pediatrics. Dr. Katz is widely recognized for his many contributions to children's health, including his role in developing the measles vaccine in use today. While a staff member at Boston Children's Hospital, Dr. Katz worked in the laboratory of Nobel Laureate John Enders to develop the attenuated measles virus vaccine. Since its discovery, the vaccine has been credited with saving millions of lives.





## Allan H. Friedman, M.D.

Guy L. Odom, M.D., Professor of Neurological Surgery

Allan H. Friedman, M.D., is the Guy L. Odom, M.D., Professor of Neurological Surgery, co-director of The Preston Robert Tisch Brain Tumor Center, and associate chief of the Preuss Laboratory for Brain Tumor Research, a position he has held since 1996. As director of the Neurosurgical Residency Training Program, he also is active in surgical education at Duke. Dr. Friedman is director of the Research Update in Neuroscience for Neurosurgeons, an annual course sponsored by the Society of Neurological Surgeons. One of the world's foremost neurosurgeons, Dr. Friedman performs more than 90 percent of all tumor resections and biopsies at Duke. His clinical interests are cerebrovascular disease, brain tumors, and peripheral nerve surgery. Vice president of the Society of Neurological Surgeons and president of the Neurosurgical Society of America, Dr. Friedman is a fellow of the American College of Surgeons. He earned a medical degree with honors from Illinois Medical School, where he was a James Scholar of Medicine.

## Guy L. Odom, M.D., Professor of Neurological Surgery

In 1977 former Duke neurosurgery residents, colleagues, and friends established this endowment to honor Guy L. Odom, M.D., a James B. Duke Professor of Neurosurgery. Dr. Odom joined the Duke faculty in 1943 and served as chief of the Division of Neurosurgery from 1960 to 1976. Upon his retirement in 1981, the endowment was funded to the level of a professorship. It is intended to support a clinical neurosurgeon who demonstrates the compassion, judgement, and skill that characterized Dr. Odom's professional life.



## Henry Friedman, M.D.

James B. Powell, Jr., Professor of Pediatric Oncology

Henry Friedman, M.D., is the James B. Powell, Jr., Professor of Pediatric Oncology and deputy director of The Preston Robert Tisch Brain Tumor Center. He also serves as a professor of pediatrics, associate professor of medicine, and assistant professor of pathology. Since the early 1990s he has been the associate chief of the Preuss Laboratory for Brain Tumor Research. Dr. Friedman's clinical interests include adults and children with primary and secondary brain and spinal-cord tumors and the laboratory and clinical design of novel therapies that utilize alkylating agents, monoclonal antibodies, and gene therapy. Patients come to Duke from around the world seeking help from the many innovative treatments he has pioneered. Dr. Friedman came to Duke in 1981 as a senior research fellow in pediatric hematology-oncology. He holds a medical degree from the State University of New York, Syracuse, where he also received training in pediatrics, followed by training in pediatric hematology-oncology at SUNY Upstate Medical Center.

## James B. Powell, Jr., Professor of Pediatric Oncology

James B. Powell, Sr., M.D., and his wife, Ann, of Burlington, North Carolina, established this professorship in 1991 in loving memory of their son, James B. Powell, Jr., who died in 1987 from a brain tumor. It is the Powells' hope that this professorship will make significant contributions to curing brain tumors and other childhood cancers. Dr. Powell is a 1964 graduate of Duke University School of Medicine.





## Ronald N. Goldberg, M.D.

Dorothy J. Shaad-Angus M. McBryde, Sr., Professor of Pediatrics

Ronald N. Goldberg, M.D., is the Dorothy J. Shaad-Angus M. McBryde, Sr., Professor of Pediatrics, chief of Neonatal-Perinatal Medicine, and founder and director of Duke's Jean and George Brumley, Jr., Neonatal-Perinatal Research Institute. He also holds professorships in obstetrics and gynecology and in the Duke University School of Nursing. Dr. Goldberg joined Duke in 1996 as chief of neonatal-perinatal medicine and director of the Newborn Intensive Care Unit. The following year, he established the multidisciplinary Neonatal-Perinatal Research Institute (NPRI), which unites foremost investigators from a spectrum of diverse fields. Under Dr. Goldberg's leadership, Duke's neonatology service remains at the forefront of innovative translational medical research. The current chair for the Genomic Committee in the National Institute of Child and Human Development (NICHD) Neonatal Research Network, he is an active investigator for both NICHD and National Institutes of Health research and training grants. His collaborative research of inhaled ethyl nitrate as a therapy for persistent pulmonary hypertension led to his division being honored with the Duke University School of Medicine's first Translational Medicine Award. Dr. Goldberg previously was director of the Neonatal Intensive Care Unit at the University of Miami's Jackson Memorial Hospital, where he also served as a professor of pediatrics and obstetrics. After earning an M.D. from the University of California, Los Angeles, School of Medicine, he completed a pediatric residency and neonatology fellowship at the University of Southern California, Los Angeles County Hospital.

### **Dorothy J. Shaad-Angus M. McBryde, Sr., Professor of Pediatrics**

This professorship was established in 2002 by the late Dorothy J. Shaad, M.D., through her estate, charitable remainder annuity trust, and unitrust, and the family of the late Angus M. McBryde, Sr., M.D. Dr. Shaad completed her residency in pediatrics in 1945. She dedicated her life to medicine and to improving the lives of others. Dr. McBryde founded the Division of Neonatal-Perinatal Medicine and devoted his career to the training of young physician-scientists. He served on the faculty of Duke University School of Medicine from 1931 to 1959. This professorship honors Dr. Shaad and Dr. McBryde in a way that reflects their shared personal commitment to pediatric medicine and to mentoring young physician-scientists.



## Joseph C. Greenfield, Jr., M.D.

James B. Duke Professor of Medicine

Joseph C. Greenfield, Jr., M.D., is a James B. Duke Professor of Medicine and director of the Heart Station at the Durham Veterans Affairs Medical Center. Dr. Greenfield has spent most his career at Duke, serving as chairman of Duke's Department of Medicine from 1983 to 1995, chief of the Division of Cardiology from 1981 to 1989, and director of the Duke Medical Center Heart Station for 30 years. His research interests involve defining the factors that regulate coronary blood flow, as well as the development of the electrocardiogram to enhance clinical care. Dr. Greenfield's many honors include the Eugene A. Stead, M.D., Award for Excellence in Teaching, which he received twice; the Medical Alumni Association's Distinguished Faculty Award; the American College of Cardiology's Distinguished Scientist Award; a MERIT Award from the National Heart, Lung, and Blood Institute; and the Paul Dudley White Award from the Association of Military Surgeons of the United States. Dr. Greenfield earned a bachelor's degree and an M.D. from Emory University. He completed residency training at Duke, spent three years at the National Heart Institute, and returned to Duke in 1962.

### James B. Duke Professor of Medicine

The James B. Duke Professorships were created in 1953 by a special grant from The Duke Endowment to honor well-established members of the Duke academic community, regardless of field, who have achieved distinction as creative scholars. The professorships honor the late James B. Duke, industrialist and philanthropist, who was the principal benefactor of Duke University.





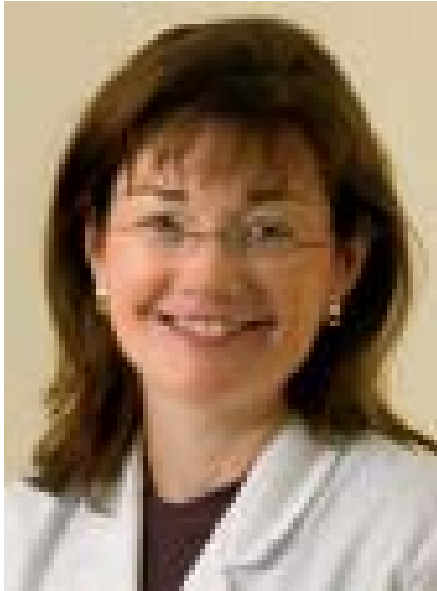
## Farshid Guilak, Ph.D.

Laszlo Ormandy Professor of Orthopedic Surgery

Farshid Guilak, Ph.D., is the Laszlo Ormandy Professor of Orthopedic Surgery, director of orthopedic research, and director of the Center for Regenerative Medicine at Duke. He holds appointments in the Departments of Surgery, Biomedical Engineering, and Mechanical Engineering and Materials Science. Dr. Guilak's research focuses on the study of osteoarthritis, a painful and debilitating disease of the synovial joints. His laboratory has used a multidisciplinary approach to investigate the role of biomechanical factors in the disease's onset and progression—from the cellular and molecular level to that of the whole body. His work has uncovered many of the mechanisms by which biomechanical and biochemical factors interact in controlling the health of joints of the body. His laboratory is also recognized for the discovery of adult stem cells in normal body fat, as well as the use of these stem cells for the regeneration of articular cartilage as a therapy for arthritis. Dr. Guilak is the editor-in-chief of the *Journal of Biomechanics* and serves on the editorial boards of several journals. He has won numerous national and international awards for his research and mentorship, and was recently voted as the university's most outstanding postdoctoral mentor by the Duke University Postdoctoral Association. He also was named an inaugural DukeMed Scholar. Dr. Guilak earned a Ph.D. in mechanical engineering from Columbia University in 1992 and came to Duke University in 1994.

### Laszlo Ormandy Professor of Orthopedic Surgery

This professorship was established in 1991 by the late Laszlo Ormandy, M.D. Dr. Ormandy, who completed orthopedic surgery training at Duke in 1942 with chief Dr. Lenox Baker, had fond memories of Duke, Dr. Baker, and the Division of Orthopedic Surgery. He practiced orthopedic surgery in the Washington, D.C., area for many years.



## Carol A. Hahn, M.D.

Butler-Harris Assistant Professor of Radiation Oncology

Carol A. Hahn, M.D., is the Butler-Harris Assistant Professor of Radiation Oncology and medical director of radiation oncology at Duke Raleigh Hospital. She joined the Duke faculty in 1995 and was named medical director of Durham Regional Hospital's newly established Division of Radiation Oncology two years later. Dr. Hahn has published studies analyzing breast-conservation rates for breast cancer patients in community hospitals that have better access to radiation oncology facilities; helped develop prostate brachytherapy for prostate cancer patients at Duke; and studied the impact of brachytherapy on the usage of non-surgical options for treating prostate cancer. Her other research interests include neurocognitive function, anxiety, depression, and quality of life in cancer patients. She has worked with neuropsychology colleagues to evaluate tumor and treatment factors that influence neurocognitive function, anxiety, and depression in brain-tumor patients—work that has led to a number of innovative ongoing studies: assessing radiotherapy's impact on regional brain metabolism and neurocognitive function, utilizing 3-D radiotherapy treatment planning tools, and functional imaging with PET and MR spectroscopy. Dr. Hahn also has investigated educational tools to improve patient understanding of complex oncologic treatments and to decrease patient anxiety. She is currently completing a large randomized trial on video patient education that was conducted at multiple Duke clinical sites. Dr. Hahn earned a biology degree magna cum laude and an M.D. cum laude from Georgetown University and completed residency training at Massachusetts General Hospital.

### **Butler-Harris Assistant Professor of Radiation Oncology**

This assistant professorship was established in 1997 by the Department of Radiation Oncology under the direction of Chairman Edward C. Halperin, M.D. It honors two individuals: Alisa Butler, a Duke radiation therapist who died in an automobile accident, and Lucille Harris, a Duke licensed practical nurse who died while participating in a cardiac catheterization study. Created with the intent of encouraging and supporting women and underrepresented minorities in radiation oncology, this professorship can be held only by a member of one or both of these groups.





## Russell Hall III, M.D.

J. Lamar Callaway Professor of Dermatology

Russell Hall III, M.D., is the J. Lamar Callaway Professor of Dermatology, chief of the Division of Dermatology, and professor in the Department of Immunology. Dr. Hall is deputy editor of *The Journal of Investigative Dermatology* and the author of hundreds of peer-reviewed articles. His research and clinical interests include immunologically mediated skin diseases, blistering skin diseases, and immuno-fluorescence testing. Prior to coming to Duke in 1984, Dr. Hall was a clinical associate in the Dermatology Branch of the National Cancer Institute and was named an Expert in 1982. He earned an undergraduate degree cum laude from Westminster College and holds an M.D. from the University of Missouri School of Medicine. He completed an internship in medicine at St. Louis University and residency training at the University of Missouri.

### J. Lamar Callaway Professor of Dermatology

This professorship was established in 1977 by former dermatology residents, colleagues, and friends of J. Lamar Callaway, M.D., a James B. Duke Professor who established the Division of Dermatology in 1939 and served as its chief until 1975. Under Dr. Callaway's leadership, the division became internationally prominent and trained many academic and clinical leaders in the field of dermatology.



## Gordon G. Hammes, Ph.D.

Duke University Distinguished Service Professor of Biochemistry, Emeritus

Gordon Hammes, Ph.D., is the Duke University Distinguished Service Professor of Biochemistry, emeritus. Dr. Hammes served as vice chancellor for Medical Center academic affairs from 1991 to 1998, after joining Duke from the University of California, Santa Barbara, where he held the same position. He also served as chair of Cornell University's Department of Chemistry and director of Cornell's Center for Biotechnology. Dr. Hammes has received several national awards and is a member of the National Academy of Sciences and the American Academy of Arts and Sciences. The author of the recently published *Physical Chemistry for the Biological Sciences*, his major research interests are related to biophysical chemistry—particularly enzyme kinetics and mechanisms, biochemical control mechanisms, multi-enzyme complexes, enzyme-coupled ion transport, protein folding, and single-molecule fluorescence microscopy. After earning a Ph.D. from the University of Wisconsin, Madison, Dr. Hammes completed a National Science Foundation postdoctoral fellowship at the Max Planck Institute, where he studied with Nobel Prize winner Manfred Eigen.

### Duke University Distinguished Service Professor of Biochemistry

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





## Charles Hammond, M.D.

Edwin Charles Hamblen Professor of Reproductive Biology

Charles Hammond, M.D., is the Edwin Charles Hamblen Professor of Reproductive Biology and chairman, emeritus (1980 to 2002) of the Department of Obstetrics and Gynecology. Dr. Hammond has served as president of the American College of Obstetricians and Gynecologists, the American Society of Reproductive Medicine, the American Gynecological and Obstetrical Society, and the American Gynecologic Club. A past director of the American Board of Obstetrics and Gynecology and a former member of the Residency Review Committee for Obstetrics and Gynecology, he serves on the editorial boards of five major journals. Dr. Hammond has been recognized with an honorary membership in the Royal College of Obstetricians and Gynecologists and election to the Institute of Medicine of the National Academy of Science. He received the Distinguished Teaching Award from the Duke Medical Alumni Association in 1993. He is a widely published author on educational programs in obstetrics and gynecology, medical education and administration, and scientific research on trophoblastic malignancy, menopause and reproductive endocrinology, and infertility. Dr. Hammond earned a medical degree and completed residency training at Duke and joined the faculty in 1968.

### Edwin Charles Hamblen Professor of Reproductive Biology

In 1968 an anonymous donor created this endowment to advance service, teaching, and research into the many global problems related to population growth. The professorship was named to honor the late E.C. Hamblen, M.D., founder and former chief of Duke's Division of Endocrinology and an associate professor of obstetrics and gynecology. Under Dr. Hamblen's leadership, Duke University Medical Center expanded its programs in family planning, reproductive medicine research, and teaching.



## Barton Haynes, M.D.

Frederic M. Hanes, M.D., Professor of Medicine

Barton Haynes, M.D., is the Frederic M. Hanes, M.D., Professor of Medicine, professor of immunology, and director of the Duke University Human Vaccine Institute. He discovered functional molecules associated with human lymphocyte development and defined the maturation pathways of the human thymus in which T lymphocytes arise. Haynes developed techniques that led to curative thymic transplantation for children born without a thymus, DiGeorge Syndrome. From 1995 to 2002, Haynes served as chair of Duke's Department of Medicine, after heading the Division of Rheumatology, Allergy, and Clinical Immunology. From 2002 to 2005 he founded and led the Southeastern Regional Center of Excellence in Biodefense and Emerging infections—a consortium of 21 universities funded by the NIH to perform translational research on emerging infectious diseases. Since 2005, he has served as the principal investigator for the Center for HIV/AIDS Vaccine Immunology (CHAVI), a center grant from the National Institute of Allergy and Infectious Diseases (NIAID) that serves as the National Institute of Health's contribution to the Global HIV/AIDS Vaccine Enterprise initiative to accelerate HIV vaccine development. He is a recipient of the Lee Howley, Sr., Prize from the Arthritis Foundation, the Distinguished Investigator Award of the American College of Rheumatology, and the Distinguished Investigator Award of the American Federation for Clinical Research. In 2003 he received the Duke Medical Alumni Association's Distinguished Faculty Award. He is a member of the Institute of Medicine of the National Academy of Sciences and a Fellow of the American Academy of Arts and Sciences. Dr. Haynes holds an undergraduate degree from the University of Tennessee and an M.D. from Baylor College of Medicine. He completed training in internal medicine at Duke and infectious disease and allergy and clinical immunology training at the National Institutes of Health, NIAID.

## Frederic M. Hanes, M.D., Professor of Medicine

This endowment was established in 1951 through a bequest from Frederic M. Hanes, M.D., a founding member of Duke University School of Medicine faculty and chair of the Department of Medicine from 1933 until his death in 1946. The trust was intended to promote the highest level of medical training and research at Duke. Upon her death in 1958, Dr. Hanes's widow, Elizabeth P. Hanes, made a bequest to the trust in memory of her husband. In 1968 a gift from the John Wesley Hanes and Anna Hodgkin Hanes Foundation elevated the trust to the level of a professorship.





## Joseph Heitman, M.D., Ph.D.

James B. Duke Professor of Molecular Genetics and Microbiology

Joseph Heitman, M.D., Ph.D., is a James B. Duke Professor of Molecular Genetics and Microbiology, director of both the Center for Microbial Pathogenesis and the Duke University Program in Genetics and Genomics, and a professor of medicine. He also holds a professorship in the Department of Pharmacology and Cancer Biology. Dr. Heitman's research focuses on how cells sense and respond to nutrients and the environment, the targets and mechanisms of action of immunosuppressive and antimicrobial drugs, the genetic and molecular basis of microbial pathogenesis and development, and the role of sexual reproduction in the evolution of microbial pathogens. Dr. Heitman is a recipient of the Burroughs-Wellcome Scholar Award in Molecular Pathogenic Mycology and the AMGEN and Squibb Awards for significant contributions using molecular biology to understand human disease and infectious diseases. A member of the American Society for Clinical Investigation and a fellow of the Infectious Diseases Society of America, the American Academy of Microbiology, the Association of American Physicians, and the American Association for the Advancement of Science, he also has served as an instructor in residence at the Marine Biological Laboratory Molecular Mycology Course, Woods Hole, Mass., since 1998. Dr. Heitman serves as editor of *Eukaryotic Cell*, *Fungal Genetics and Biology*, *Current Genetics*, and *PLoS Pathogens* and serves on the editorial boards for *PLoS Biology*, *Current Biology*, and *Cell Host & Microbe*. He earned undergraduate and master's degrees with general and special honors from the University of Chicago, and medical and doctoral degrees from the Medical Scientist Training Program at Weill Cornell Medical College and the Rockefeller University. He completed an EMBO fellowship at the Biocenter in Basel, Switzerland.

### James B. Duke Professor of Molecular Genetics and Microbiology

The James B. Duke Professorships were created in 1953 by a special grant from The Duke Endowment to honor well-established members of the Duke academic community, regardless of field, who have achieved distinction as creative scholars. The professorships honor the late James B. Duke, industrialist and philanthropist, who was the principal benefactor of Duke University.



## Homme Hellinga, Ph.D.

James B. Duke Professor of Biochemistry

Homme Hellinga, Ph.D., is a James B. Duke Professor of Biochemistry. He joined the Duke faculty in 1992 as an assistant professor in the Department of Biochemistry. Dr. Hellinga is a leader in the development, experimental validation, and practical application of computational methods for the design of new proteins and biological systems. He is best known for designing novel bacterial receptors that function as chemical sensors for a variety of small molecules with biomedical or defense-related application and incorporation of computationally designed receptors into bacterial systems, enabling them to detect chemical threats and pollutants in their environments. His work has been recognized with the Emil Kaiser Award from the Protein Society, the Feynman Prize for experimental nanotechnology from the Foresight Institute, and a Director's Pioneer Award from the National Institutes of Health. Dr. Hellinga earned an undergraduate degree in molecular biology from Edinburgh University and a Ph.D. at the University of Cambridge MRC Laboratory of Molecular Biology.

### James B. Duke Professor of Biochemistry

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## Robert Hill, Ph.D.

James B. Duke Professor of Biochemistry

Robert Hill, Ph.D., is a James B. Duke Professor of Biochemistry. He joined Duke's Biochemistry Department in 1961 and served as chairman from 1969 to 1993. Dr. Hill has served as the director of the University Program in Cell and Molecular Biology and the Medical Scientist Training Program. His major research interests are the relationship between the structure and function of proteins and the biosynthesis and assembly of complex glycoproteins. He served as president of the American Society of Biochemistry and Molecular Biology after holding several other elected offices. Dr. Hill has also been active in international scientific affairs and served as general secretary of the International Union of Biochemistry from 1983 to 1991. An elected member of the National Academy of Sciences, he also is a fellow of the American Academy of Arts and Sciences and the Institute of Medicine. Dr. Hill earned a B.A., an M.A., and a Ph.D. from the University of Kansas and completed postdoctoral studies at the University of Utah.

### James B. Duke Professor of Biochemistry

The James B. Duke Professorships were created in 1953 by a special grant from The Duke Endowment to honor well-established members of the Duke academic community, regardless of field, who have achieved distinction as creative scholars. The professorships honor the late James B. Duke, industrialist and philanthropist, who was the principal benefactor of Duke University.



## Brigid Hogan, Ph.D., F.R.S.

George Barth Geller Professor of Research in Molecular Biology

Brigid Hogan, Ph.D., F.R.S., is a George Barth Geller Professor of Research in Molecular Biology and chair of the Department of Cell Biology. Dr. Hogan is a member of the National Academy of Sciences (United States); a member of the Institute of Medicine; a fellow of both the Royal Society of London and the American Academy of Arts and Sciences; and an honorary Fellow of Newnham College, Cambridge. Prior to joining Duke, she was an investigator of the Howard Hughes Medical Institute and the Hortense B. Ingram Professor of Molecular Oncology in the Department of Cell Biology at Vanderbilt University Medical Center. She also served as head of the Molecular Embryology Laboratory at the National Institute for Medical Research in London. After completing a Ph.D. in biochemistry at the University of Cambridge, Dr. Hogan held a two-year NATO research fellowship in the Massachusetts Institute of Technology's Department of Biology.

### George Barth Geller Professor of Research in Molecular Biology

This is one of a series of endowments established in the late 1980s by George Barth Geller, M.D., a general surgeon who practiced in New York and Florida. Dr. Geller had no connection to Duke University and never visited Durham. He was introduced to Duke by Fenner Douglass, a Duke professor of music and university organist, and his brother, John Douglass, an attorney. When Dr. Geller died in 1992, an additional bequest helped to further support these endowments.





## Margaret Humphreys, M.D., Ph.D.

Josiah Charles Trent Professor in the History of Medicine

Margaret Humphreys, M.D., Ph.D., is the Josiah Charles Trent Professor in the History of Medicine, an associate professor of medicine, and professor of history. A specialist in the history of science, Dr. Humphreys focuses primarily on tropical and infectious diseases such as yellow fever, typhus, and malaria in her research and publications, although her interests include infectious disease in the American South, war and medicine, differences in rural and urban public health, and the impact of housing, race, and poverty on disease incidence. In 2008 she published a work on the health of black soldiers in the American Civil War and is now writing a more general book on Civil War medicine, which has received a National Library of Medicine publication grant. Her work has also received funding from the Burroughs-Wellcome History of Medicine Fund and the Trent Foundation. In 2004 the American Council of Learned Societies awarded her a Frederick Burkhardt Fellowship for a sabbatical year at the National Humanities Center. Dr. Humphreys earned an undergraduate degree at the University of Notre Dame, a master's degree in the history of science, and a doctoral degree at Harvard University. In 1987 she completed a medical degree at Harvard Medical School, followed by a residency in internal medicine at Brigham and Women's Hospital.

### Josiah Charles Trent Professor in the History of Medicine

This professorship was established in 1974 by Mary Duke Biddle Trent Semans, trustee emerita of Duke University, and her husband, James H. Semans, M.D., professor emeritus of urology, in loving memory of Josiah Charles Trent, M.D. At the time of his death, Dr. Trent was an associate professor of surgery and chief of the Division of Thoracic Surgery. Recognized as both a surgeon and an authority on medical history, Dr. Trent was a writer and collector who strove to humanize his profession and narrow the gap between medicine and literature. The endowment has been supplemented by gifts over the years from the Mary Duke Biddle Foundation and the Josiah Charles Trent Foundation. In addition, Dr. and Mrs. Semans provided gifts in support of the Josiah Charles Trent, M.D., Professorship in the History of Medicine.



## Danny Jacobs, M.D., M.P.H.

David C. Sabiston, Jr., Professor of Surgery

Danny Jacobs, M.D., M.P.H., is the David C. Sabiston, Jr., Professor of Surgery, chair of the Department of Surgery, and surgeon-in-chief at Duke University Hospital. A specialist in gastrointestinal surgery, Dr. Jacobs is a highly regarded teacher and researcher. His research focuses on the effects of critical illness and malnutrition on cellular bioenergetics, organ function, and metabolism. His clinical interest is treating patients with nutritional or metabolic diseases who are candidates for surgery, including patients with intestinal fistulas and morbid obesity. Dr. Jacobs serves on 24 editorial boards, including those of the *New England Journal of Medicine*, *Surgery*, *Archives of Surgery*, *Journal of American College of Surgeons*, *World Journal of Surgery*, and WebMD's *Medscape General Medicine*. He also is a member of societies that include the Institute of Medicine of the National Academy of Sciences; the European Academy of Sciences; the American College of Surgeons; the American Surgical Association; the American Physiological Society; American Surgical Association; Alpha Omega Alpha; and the Society of Critical Care Medicine. On the Harvard University faculty for 14 years, he served as an associate professor of surgery, associate program director of the Brigham and Women's Hospital's (BWH) Clinical Research Center, chief of BWH's metabolic service, and director of the Laboratory for Surgical Metabolism and Nutrition. He joined Duke in 2003 from Creighton University, where he served as chair of the School of Medicine's Department of Surgery and as the Arnold W. Lempka Distinguished Professor of Surgery. Dr. Jacobs earned an undergraduate degree and a master of public health degree from Harvard University and a medical degree from Washington University in St. Louis. He completed a surgical residency and fellowship at the University of Pennsylvania School of Medicine and a surgical research fellowship at Harvard.

### David C. Sabiston, Jr., Professor of Surgery

In 1987, a group of former Duke surgical residents, Department of Surgery faculty members, and friends of David C. Sabiston, Jr., M.D., launched a fund-raising drive to establish an endowed professorship in his honor. A James B. Duke Professor of Surgery, Dr. Sabiston served as chairman of the department from 1964 to 1987. The Sabiston Professorship was fully funded in 1993 through the generosity of 137 individuals, including many members of the Sabiston Surgical Society, a group of former Duke chief residents who served under Dr. Sabiston.





## G. Allan Johnson, Ph.D.

Charles E. Putman, M.D., University Professor of Radiology

G. Allan Johnson, Ph.D., is the inaugural recipient of the Charles E. Putman, M.D., University Professorship of Radiology. Dr. Johnson also holds appointments in the Departments of Physics and Biomedical Engineering and has been the Department of Radiology's director of diagnostic physics since 1979. He serves as director of the Duke Center for In Vivo Microscopy, which he established in 1982. A National Institutes of Health-sponsored National Resource, the center is dedicated to developing novel strategies for small-animal imaging and applying those strategies to important biomedical questions. Dr. Johnson graduated magna cum laude in 1969 from St. Olaf College with majors in physics and mathematics and earned a doctoral degree in physics at Duke University in 1974 while working under Dr. Walter Gordy.

### Charles E. Putman, M.D., University Professor of Radiology

This professorship was established by Duke University to honor Charles E. Putman, M.D., who served the university in many capacities during his 22 years here. Board-certified in both internal medicine and radiology, Dr. Putman joined Duke in 1977 as the chair of radiology and was named James B. Duke Professor of Radiology and professor of medicine in 1983. Between 1985 and 1999 he served as vice chancellor for health affairs, vice provost, dean of the School of Medicine, vice provost for research and development, and vice president for research administration and policy. Dr. Putman was appointed executive vice president for administration in 1990 and in 1995 named senior vice president for research administration and policy, a position he held until his death in 1999.



## Robert H. Jones, M.D.

Mary and Deryl Hart Professor of Surgery

Robert H. Jones, M.D., is the Mary and Deryl Hart Professor of Surgery. Dr. Jones has operated on more than 5,000 patients with cardiovascular disease and has spent decades teaching Duke medical students about topics such as medical ethics and quality healthcare delivery. His research interests continue to focus on the identification and care of patients at high risk for heart attack, heart failure, and cardiac death. As a medical student, he performed the first quantitative dynamic radionuclide cardiovascular study and was later among the first to develop techniques for radionuclide quantitation of left ventricular function. He continued to develop this for use in patients during physiological stress. Dr. Jones currently leads a National Institutes of Health-funded study that randomized 2,136 patients in 26 countries. These patients, who have severe heart disease and are between medical or surgical strategies of treatment, will be followed through 2010 to determine whether adding cardiac surgery to medical treatment prolongs life. Dr. Jones has been elected to many professional leadership positions, including chair of the American College of Cardiology's Board of Governors. He has served as a visiting professor at major medical universities worldwide and as an advisory committee member for cardiac care in the state of New York. He has also led groups that set national guidelines for medical care. Dr. Jones earned a medical degree at Johns Hopkins University in 1964 and completed a surgical residency at Duke Hospital.

### Mary and Deryl Hart Professor of Surgery

The endowment that ultimately became the Mary and Deryl Hart Professorship in Surgery was established in 1976 by Mary and Deryl Hart, M.D., and their friends, colleagues, and students, as well as by grateful patients of Dr. Hart. The founding chairman of Duke's Department of Surgery, Dr. Hart was the third member of the Duke medical faculty. He served as chairman for 30 years and practiced general, thoracic, plastic, and neurological surgery. He served as president of Duke University from 1960 to 1963 before retiring from the university's faculty in 1964. After his death in 1980, The Duke Endowment made a gift to elevate the Hart endowment to a full professorship.





## Jack D. Keene, Ph.D.

James B. Duke Professor of Molecular Genetics and Microbiology

Jack D. Keene, Ph.D., is a James B. Duke Professor of Molecular Genetics and Microbiology and founder of the Duke Center for RNA Biology. Dr. Keene joined the Duke faculty in 1979 and served as chair of the Department of Microbiology from 1992 to 2002. From 1995 to 2003 he was director of basic science for the Duke Comprehensive Cancer Center. His research focuses on the functions of RNA-binding proteins in cells and viruses, and he derived the first genomic sequences of several RNA viruses, including rabies and Ebola, and discovered genetic mutations responsible for the formation of defective interfering RNA viruses. In 1983 Dr. Keene began deriving clones of several human autoimmune genes and lupus antigens—work that led him to the discovery of the RRM family of RNA-binding proteins, the sixth largest family in the human genome. He also unveiled a novel mechanism of mammalian gene expression—the Post-Transcriptional RNA Operon—in which genetic information is organized combinatorially and coordinated at the level of messenger RNA. Dr. Keene holds an undergraduate degree from the University of California, Riverside, and a Ph.D. in microbiology and immunology from the University of Washington, Seattle. He completed postdoctoral studies in molecular virology at the National Institutes of Health.

### **James B. Duke Professor of Molecular Genetics and Microbiology**

The James B. Duke Professorships were created in 1953 by a special grant from The Duke Endowment to honor well-established members of the Duke academic community, regardless of field, who have achieved distinction as creative scholars. The professorships honor the late James B. Duke, industrialist and philanthropist, who was the principal benefactor of Duke University.



## Garnett Kelsoe III, D.Sc.

James B. Duke Professor of Immunology

Garnett Kelsoe III, D.Sc., is the James B. Duke Professor of Immunology, a senior fellow in the Duke Center for the Study of Aging and Human Development, and director of Duke's Bill and Melinda Gates Foundation Center for AIDS Vaccine Discovery. Although based at Duke, Dr. Kelsoe has been an external faculty member of the Santa Fe Institute, a private non-profit research institute in Santa Fe, New Mexico, since 2002. Prior to joining Duke's faculty in 1998, Dr. Kelsoe was a professor in the University of Maryland School of Medicine's Department of Microbiology and Immunology. He has been a recipient of the Nina W. Werblow Lectureship at Cornell University, the Wellcome Visiting Professorship in the Basic Medical Sciences at Iowa College of Medicine, and the Rockefeller Foundation Fellowship at Harvard. He also received a National Institutes of Health predoctoral fellowship at Harvard, where he completed an M.S. in Tropical Public Health and a doctorate of science degree in Tropical Public Health and Microbiology, with a specialty in immunology. Dr. Kelsoe then served as a research fellow for three years at the University of Cologne's Institute of Genetics in the Federal Republic of Germany.

### James B. Duke Professor of Immunology

The James B. Duke Professorships were created in 1953 by a special grant from The Duke Endowment to honor well-established members of the Duke academic community, regardless of field, who have achieved distinction as creative scholars. The professorships honor the late James B. Duke, industrialist and philanthropist, who was the principal benefactor of Duke University.





## Thomas R. Kinney, M.D.

Wilburt C. Davison Professor of Pediatrics

Thomas R. Kinney, M.D., is the Wilburt C. Davison Professor of Pediatrics and associate chair of the Department of Pediatrics. Dr. Kinney joined the Duke faculty in 1978 as an assistant professor of pediatrics, later serving as an associate dean in the School of Medicine and director of the pediatric residency program. A co-founder of Camp Kaleidoscope, a summer camp for Duke pediatric patients, he also was the lead physician on the design and construction team of the McGovern-Davison Children's Health Center. Dr. Kinney has made major contributions to the diagnosis and care of children with sickle cell disease. He and Wendell F. Rosse, M.D., co-directed a National Institutes of Health (NIH) Comprehensive Sickle Cell Center for 15 years, and he served as both co-chair and chair of the NIH-funded Clinical Course of Sickle Cell Disease, a 20-year study to define the natural history of sickle cell disease. Dr. Kinney also was instrumental in establishing newborn screening for sickle cell disease in North Carolina, and co-chaired a federal panel detailing the guidelines for hemoglobinopathy screening programs. He led the first NIH clinical research group that evaluated the toxicity and safety of hydroxyurea treatment in children with sickle cell disease. Dr. Kinney earned undergraduate and medical degrees from Duke University. After completing an internal medicine internship at Duke, he completed residency training in pediatrics and a fellowship in pediatric hematology-oncology at the Children's Hospital of Philadelphia.

### **Wilburt C. Davison Professor of Pediatrics**

This is one of two professorships in pediatrics established in 1972 by the Doris Duke Foundation and The Duke Endowment to honor the late Wilburt Cornell Davison, M.D., the founding dean of Duke University School of Medicine. A pediatrician by training, Dean Davison was recruited by Duke University president William Preston Few to oversee the development of a medical school, nursing school, and hospital. He served as dean from 1927 to 1960 and was chair of the Department of Pediatrics from 1927 to 1954. The professorships were established in honor of Dean Davison's 80th birthday.



## Gordon K. Klintworth, M.D., Ph.D.

Joseph A.C. Wadsworth Research Professor of Ophthalmology

Gordon K. Klintworth, M.D., Ph.D., is the Joseph A.C. Wadsworth Research Professor of Ophthalmology, a professor of pathology, and an internationally renowned expert on ophthalmic pathology and inherited diseases of the cornea. A member of the Duke faculty since 1964, Dr. Klintworth served as Duke Eye Center's director of research from 1979 to 1999. He is a member of the Scientific Advisory Panel of Research to Prevent Blindness and has served on many other national and international committees. He has lectured around the world and received numerous awards, including the Zimmerman Medal and the Ashton Medal—named in honor of the first two pathologists to specialize in ophthalmic pathology. Dr. Klintworth earned his medical degree at the University of the Witwatersrand in Johannesburg, South Africa. He served as an intern in medicine and surgery at the Johannesburg Hospital, where he also completed residency training in psychiatry and neurology/neurosurgery. He earned a Ph.D. in anatomy under the supervision of Phillip V. Tobias, one of South Africa's most acclaimed scientists. Dr. Klintworth completed a fellowship in neuropathology at Duke University School of Medicine and is board-certified in anatomic pathology and neuropathology.

### Joseph A.C. Wadsworth Research Professor of Ophthalmology

This is one of two professorships in ophthalmology established in 1980 by the late James M. Hornaday and his wife, Virginia. Mr. Hornaday, a 1920 graduate of Duke University's Trinity College, was the owner of Guilford Mills of Greensboro, North Carolina. The professorships honor the late Joseph A.C. Wadsworth, M.D., a 1939 graduate of the School of Medicine and the first chairman of the Department of Ophthalmology.





## Sally Kornbluth, Ph.D.

James B. Duke Professor of Pharmacology and Cancer Biology

Sally Kornbluth, Ph.D., is a James B. Duke Professor of Pharmacology and Cancer Biology and vice dean for basic science at Duke University School of Medicine. She joined the Duke faculty in 1994. Dr. Kornbluth's research interests include the study of cell proliferation and programmed cell death, areas of central importance for understanding both carcinogenesis and degenerative disorders. She has published extensively in these areas, studying these problems in a variety of model organisms. Dr. Kornbluth earned a B.A. in political science from Williams College and a B.S. in genetics from Cambridge University, England, where she was a Herchel Smith Scholar at Emmanuel College. She earned a Ph.D. in molecular oncology from the Rockefeller University and went on to complete postdoctoral training at the University of California, San Diego.

### James B. Duke Professor of Pharmacology and Cancer Biology

The James B. Duke Professorships were created in 1953 by a special grant from The Duke Endowment to honor well-established members of the Duke academic community, regardless of field, who have achieved distinction as creative scholars. The professorships honor the late James B. Duke, industrialist and philanthropist, who was the principal benefactor of Duke University.



### **Paul Lee, M.D., J.D.**

James Pitzer Gills III, M.D., and Joy Gills Professor of Ophthalmology

Paul Lee, M.D., J.D., is the James Pitzer Gills III, M.D., and Joy Gills Professor of Ophthalmology. A senior fellow at the Duke Center on Aging and Human Development and the Duke Center for Clinical Health Policy Research, Dr. Lee is vice chair of the Department of Ophthalmology and faculty advisor and chair/liaison for the M.D.-J.D. Program at the School of Medicine. His internationally renowned research focuses on quality of care, patient-centered care, healthcare utilization and policy, and glaucoma surgery. He is the past co-chair of the AMA Consortium Task Force for the development of pay-for-performance quality indicators for eye care and past chair of the American Academy of Ophthalmology Task Force on Future Models of Eye Care Delivery. Dr. Lee has been a consultant to both the U.S. Centers for Disease Control and the World Health Organization on establishing frameworks for assessing and implementing eye-care delivery. A past recipient of the Lew Wasserman Merit Award from Research to Prevent Blindness, he also was honored with the 2007 Alcon Research Institute's Research Award in recognition of his pioneering health-services research in eye care. Prior to joining the Duke faculty in 1997, Dr. Lee was an associate professor at the University of Southern California School of Medicine. In 1986 Dr. Lee earned both an M.D. from the University of Michigan and a J.D. from Columbia University—and won the Stone Scholar Award at law school and the Robbins Award at medical school.

### **James Pitzer Gills III, M.D., and Joy Gills Professor of Ophthalmology**

James P. Gills, Jr., M.D., and his wife, Heather, established this professorship in 1995 in honor of their son, James Pitzer Gills III, M.D., and his wife, Joy. Both Dr. Gills, Jr., and Dr. Gills III are Duke University School of Medicine graduates, in 1959 and 1997, respectively. Dr. Gills, Jr., is the founding director of St. Luke's Cataract and Laser Institute of Tarpon Springs, Florida, the largest free-standing ambulatory surgery center and eye care center in the United States.





## Robert J. Lefkowitz, M.D.

James B. Duke Professor of Medicine

Robert J. Lefkowitz, M.D., is a James B. Duke Professor of Medicine and professor of biochemistry and immunology. He came to Duke from Harvard Medical School in 1973 as an associate professor. Since 1976 he has also been an investigator of the Howard Hughes Medical Institute. Dr. Lefkowitz has received numerous awards for his research. Most recently President George W. Bush named him a recipient of the National Medal of Science, the nation's highest honor for science and engineering. Other awards include the 2007 Shaw Prize in Life Science and Medicine, the 2007 Albany Medical Center Prize in Medicine and Biomedical Research, the 2006 Eugene Braunwald Academic Mentorship Award of the American Heart Association, the 2004 Distinguished Faculty Award from the Duke Medical Alumni Association, and the 2003 Fondation Lefoulon-Delalande Grand Prix for Science from the Institut de France. A member of the USA National Academy of Sciences, the Institute of Medicine of the National Academy of Sciences, and the American Academy of Arts and Sciences, he is past president of both the American Society for Clinical Investigation and the Association of American Physicians. He also served as councilor for the National Academy of Sciences. Early in his career Dr. Lefkowitz served for two years as a clinical and research associate at the National Institute of Arthritis and Metabolic Diseases. He completed a medical residency, research, and clinical training in cardiovascular disease at Massachusetts General Hospital while serving as a teaching fellow and conducting research at Harvard University. Dr. Lefkowitz graduated Phi Beta Kappa and cum laude from Columbia University in 1962 and Alpha Omega Alpha from Columbia University College of Physicians and Surgeons in 1966. He also holds several honorary degrees.

### James B. Duke Professor of Medicine

The James B. Duke Professorships were created in 1953 by a special grant from The Duke Endowment to honor well-established members of the Duke academic community, regardless of field, who have achieved distinction as creative scholars. The professorships honor the late James B. Duke, industrialist and philanthropist, who was the principal benefactor of Duke University.



## H. Kim Lyerly, M.D.

George Barth Geller Professor for Research in Cancer

H. Kim Lyerly, M.D., is the George Barth Geller Professor for Research in Cancer and the director of the Duke Comprehensive Cancer Center. A pioneer in translational medicine, Dr. Lyerly has participated in the first human trials of drugs to treat human immunodeficiency virus (HIV) infection and led trials of gene therapy of cancer. He is currently focused on developing new therapies for cancer. Dr. Lyerly has been appointed a member of the National Cancer Advisory Board by President George W. Bush. He is also a member of the scientific advisory committee on the Susan G. Komen for the Cure Foundation and the Burroughs Wellcome Fund, and he has served as chair of the executive committee of the integration panel of the Congressionally Directed Medical Research Programs in Breast Cancer. Dr. Lyerly is a member of advisory boards for the M.D. Anderson Cancer Center and the Universities of Michigan, Chicago, and Wisconsin. He is founder and chair of the Accelerating Anticancer Agent Development and Validation workshop, which is co-sponsored by the Food and Drug Administration, National Cancer Institute, American Society of Clinical Oncology, American Association of Cancer Research, and the Duke Comprehensive Cancer Center. He earned a medical degree from the University of California, Los Angeles, and completed a surgical residency and a research fellowship at Duke University School of Medicine.

### **George Barth Geller Professor for Research in Cancer**

This is one of a series of endowments established in the late 1980s by George Barth Geller, M.D., a general surgeon who practiced in New York and Florida. Dr. Geller had no connection to Duke University and never visited Durham. He was introduced to Duke by Fenner Douglass, a Duke professor of music and university organist, and his brother, John Douglass, an attorney. When Dr. Geller died in 1992, an additional bequest helped to further support these endowments.





## Brooks W. McCuen II, M.D.

Robert Machemer, M.D., Professor of Ophthalmology

Brooks W. McCuen II, M.D., is a Robert Machemer, M.D., Professor of Ophthalmology and chief of the Vitreoretinal Diseases and Surgery Service at Duke Eye Center. Dr. McCuen is a consultant ophthalmologist and former chief of the ophthalmology section at the Durham Veterans Affairs Hospital. Internationally known for his work on vitreoretinal disorders, diabetic retinopathy, and related issues, Dr. McCuen has received several grants and patents for his research. He was awarded the Gertrude Pyron award in 2006 by the American Society of Retina Specialists, recognizing him as an outstanding vision scientist whose work has contributed significantly to the knowledge about vitreoretinal disease. Dr. McCuen earned a medical degree from Columbia University Medical School, Alpha Omega Alpha, and completed training at the Bascom Palmer Eye Institute, the Pacific Medical Center, and Duke Hospital. He joined the Duke faculty in 1980.

### **Robert Machemer, M.D., Professor of Ophthalmology**

In 1992 patients, colleagues, and friends of Robert Machemer, M.D., united to establish this endowment in his honor. Known as the father of vitreoretinal surgery, Dr. Machemer chaired Duke's Department of Ophthalmology from 1978 to 1991 and helped build an international reputation in the field. He developed many of the techniques and surgical instruments now commonly used to restore sight to people with vitreoretinal diseases, diabetic retinopathy, and retinal detachments. Dr. Machemer retired in 1998.



## Donald McDonnell, Ph.D.

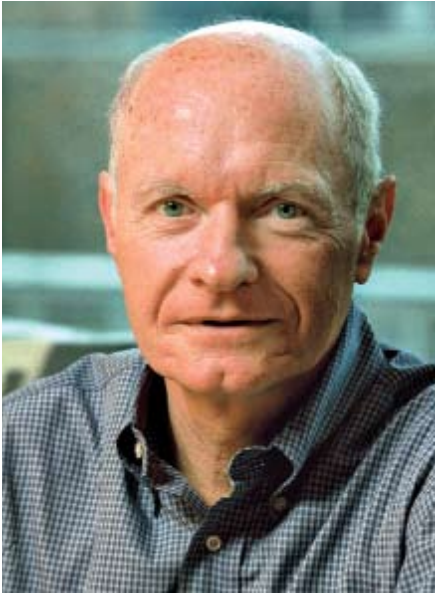
Glaxo-Wellcome Professor of Molecular Cancer Biology

Donald McDonnell, Ph.D., is the Glaxo-Wellcome Professor of Molecular Cancer Biology in the Department of Pharmacology and Cancer Biology and the director of the departmental graduate studies program. Dr. McDonnell came to Duke in 1994 from Ligand Pharmaceuticals, Inc., where he was the director and head of molecular biology. His recent work focuses on the genetic and pharmacological dissection of the steroid hormone receptor signal transduction pathways—work that has led to the discovery and development of novel androgen-, estrogen-, and progesterone-receptor modulators that are being clinically evaluated as treatments for different cancers. Dr. McDonnell has received numerous investigator awards, including the Ernst Oppenheimer and Weitzman Awards from the Endocrine Society; the American Society for Pharmacology and Experimental Therapeutics' (ASPET) John J. Abel Award; the Pharmacia-ASPET Award for Experimental Therapeutics; and the North American Menopause Society/Eli Lilly and Company Selective Estrogen Receptor Modulator Research Award. He was recently inducted as an honorary fellow into the Royal College of Physicians (Ireland). He serves on the editorial board of *Trends in Endocrinology and Metabolism* and is editor for *Molecular Endocrinology*. Dr. McDonnell holds an undergraduate degree from the National University of Ireland, Galway, and a Ph.D. in cell biology from Baylor College of Medicine.

### Glaxo-Wellcome Research Professor of Molecular Cancer Biology

The Burroughs Wellcome Fund established this research professorship in 1997 in honor of the late R. Wayne Rundles, M.D., a 1940 graduate of Duke University School of Medicine and former chief of the Division of Hematology and Oncology. Dr. Rundles collaborated with 1988 Nobel Prize winners and Burroughs Wellcome scientists Gertrude Elion, Ph.D. (Hon.), and George Hitchings, Ph.D., in clinical investigations of compounds now routinely used in cancer chemotherapy. The professorship's name was later changed to Glaxo-Wellcome to recognize the merger of Glaxo, Inc., and Burroughs Wellcome, the pharmaceuticals research and development company now known as GlaxoSmithKline.





## James McNamara, Sr., M.D.

Carl R. Deane Professor of Neuroscience

James McNamara, Sr., M.D., is the Carl R. Deane Professor of Neuroscience, chair of the Department of Neurobiology, founder of the Duke Center for the Advanced Study of Epilepsy, and former director of the Durham Veterans Affairs Medical Center Epilepsy Center. His research focuses on the mechanisms of epileptogenesis, the process by which a normal brain becomes epileptic, and he strives to increase collaboration and help bring the power of cellular and molecular biology to bear in elucidating nervous system function in health and disease. A member of the Institute of Medicine and a recipient of the American Epilepsy Society Research Recognition Award, Dr. McNamara has received two National Institutes of Health Jacob Javits Neuroscience Investigator Awards, an American Epilepsy Society Research Recognition Award, and a five-year unrestricted grant in neuroscience from Bristol-Myers Squibb. Dr. McNamara graduated cum laude from Marquette University and Alpha Omega Alpha from the University of Michigan Medical School. He served as chief resident in neurology and completed his postdoctoral work in neuroscience at Duke. He also completed a sabbatical year in the molecular neurobiology laboratory of Stephen Heinemann, Ph.D., at the Salk Institute in California.

### Carl R. Deane Professor of Neuroscience

This professorship was established in 1993 by Disque D. Deane, who attended Duke University's Trinity College. Mr. Deane established the professorship in honor of his son, Carl R. Deane, to be awarded to a professor in the neurosciences who specializes in human diseases. Mr. Deane, a New York real estate investor and financier, also created the Anne W. Deane Professorship in Neuroscience in honor of his daughter. In addition, in 2005 he established the Disque D. Deane Professorship Fund and has provided gifts in support of the Deane Neurological Disease Laboratories at Duke University Medical Center.



## Anthony Means, Ph.D.

Nanaline H. Duke Professor of Pharmacology

Anthony Means, Ph.D., is the Nanaline H. Duke Professor of Pharmacology, chairman of the Department of Pharmacology and Cancer Biology, and deputy director of the Duke Comprehensive Cancer Center. Prior to joining the Duke faculty in 1991, he held faculty positions at Vanderbilt University and Baylor College of Medicine. A recipient of the Fred Conrad Koch Award from the Endocrine Society and past president of this society, he is a fellow of the American Academy of Arts and Sciences, the American Association for the Advancement of Science, and the European Academy of Sciences. He has received the Goodman and Gilman Award of the American Society for Pharmacology and Experimental Therapeutics. His current research interests include the chemistry, molecular biology, and function of intracellular regulatory proteins. He holds undergraduate and master's degrees from Oklahoma State University, Stillwater, and a Ph.D. in endocrinology from the University of Texas, Austin. Dr. Means also completed a postdoctoral fellowship at the University of Melbourne in Victoria, Australia.

### Nanaline H. Duke Professor of Pharmacology

Created in 1982, this professorship was named in honor of the late wife of North Carolina industrialist and philanthropist James B. Duke, whose generosity led to the creation of Duke University and Duke University Medical Center. The Nanaline H. Duke Professorship is primarily intended to support young medical center faculty.





## Michael H. Merson, M.D.

Wolfgang Joklik Professor of Global Health

Michael H. Merson, M.D., is the Wolfgang Joklik Professor of Global Health, founding director of the Duke Global Health Institute, and professor of medicine, community and family medicine, and public policy at Duke University. He joined the Duke faculty in November 2006. His previous positions include serving as chief epidemiologist at the Cholera Research Laboratory in Dhaka, Bangladesh, as director of the Diarrheal Diseases Control Program for the World Health Organization (WHO), and as director of the WHO Global Program on AIDS, a program responsible for mobilizing and coordinating the global response to the HIV/AIDS pandemic. In April 1995 he became Yale University School of Medicine's first dean of public health. He also served as professor and chairman of the Department of Epidemiology and Public Health and as director of the Center for Interdisciplinary Research on AIDS at Yale. The center undertakes research on HIV prevention in vulnerable and underserved populations in the United States and abroad. Dr. Merson's honors and awards include being named the 2001 Anna M. R. Lauder Professor of Public Health in the Yale University School of Medicine and being elected to the Institute of Medicine. Dr. Merson has authored more than 175 articles, primarily in the area of disease prevention. His most recent contributions concern HIV prevention in developing countries and global AIDS policy issues. He is the senior editor of *International Public Health*, a leading global health textbook in the United States. He currently serves in advisory capacities for UNAIDS; the Global Fund to Fight AIDS, TB and Malaria; and the Doris Duke Foundation. A member of the Bill & Melinda Gates Foundation's Global HIV Prevention Working Group, he has served on several National Institutes of Health review panels and advisory committees. Dr. Merson earned a B.A. from Amherst College and is a graduate of the State University of New York, Downstate Medical Center. He served as an intern and resident at Johns Hopkins Hospital.

### Wolfgang Joklik Professor of Global Health

This professorship was created in honor of Wolfgang Joklik, Ph.D., a James B. Duke professor emeritus of microbiology. An internationally known virologist, Dr. Joklik was also chairman of the Department of Microbiology and author of a best-selling textbook on microbiology. He was a co-founder of the Duke Comprehensive Cancer Center and provided distinguished service to the community as a member of the board of directors of the Caring House.





## Paul Modrich, Ph.D.

James B. Duke Professor of Biochemistry

Paul Modrich, Ph.D., is a James B. Duke Professor of Biochemistry and an investigator of the Howard Hughes Medical Institute. Dr. Modrich has identified components of the bacterial and human DNA mismatch-repair systems and has established a number of their molecular features. Inactivation of this mutation-avoidance pathway is the cause of a common form of hereditary colon cancer and has been implicated in the development of sporadic tumors. Prior to joining the Duke faculty in 1976, Dr. Modrich was an assistant professor at the University of California, Berkeley. A member of the National Academy of Sciences, the Institute of Medicine, and the American Academy of Arts and Sciences, he is also a recipient of the Pfizer Award in Enzyme Chemistry, the Feodor Lynen Medal, the General Motors Mott Prize in cancer research, the Pasarow Foundation Award in cancer research, and the American Cancer Society Medal of Honor for basic research. In 2008 he will receive the Distinguished Faculty Award from the Duke Medical Alumni Association. He currently serves on the editorial boards of the *Proceedings of the National Academy of Sciences* and *DNA Repair*. Dr. Modrich earned an undergraduate degree at the Massachusetts Institute of Technology and a Ph.D. in biochemistry at Stanford University. His postdoctoral studies were in the Department of Biological Chemistry at Harvard Medical School with Charles C. Richardson, Ph.D.

### James B. Duke Professor of Biochemistry

The James B. Duke Professorships were created in 1953 by a special grant from The Duke Endowment to honor well-established members of the Duke academic community, regardless of field, who have achieved distinction as creative scholars. The professorships honor the late James B. Duke, industrialist and philanthropist, who was the principal benefactor of Duke University.





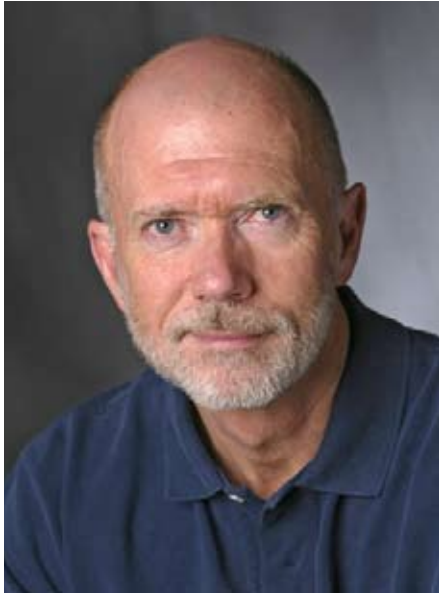
## Rendon C. Nelson, M.D.

Reed and Martha Rice Distinguished Professor of Radiology

Rendon C. Nelson, M.D., is the Reed and Martha Rice Distinguished Professor of Radiology and vice chair of radiology. Before joining the faculty at Duke in 1994 as chief of the Division of Abdominal Imaging, he was an associate professor of radiology and director of the Frederik Philips Magnetic Resonance Research Center at Emory University. Dr. Nelson's clinical and research interests are focused on optimizing the detection and characterization of both focal and diffuse liver diseases by various imaging techniques, particularly ultrasound, computed tomography, and magnetic resonance. Internationally known for his research on hepatobiliary imaging, Dr. Nelson has more than 150 publications in peer-reviewed literature. He is also dedicated to the education of medical students, residents, and fellows in radiology and has received four Teacher of the Year Awards during his tenure at Emory and Duke University. He is also a fellow and past president of the Society of Computed Body Tomography and Magnetic Resonance. Dr. Nelson earned his undergraduate degree from Pacific Union College and his medical degree from Loma Linda University. He also completed an internship in internal medicine and a residency in diagnostic radiology at Loma Linda University. He completed a fellowship in abdominal imaging at Emory University.

### Reed and Martha Rice Distinguished Professor of Radiology

In 1995 former Duke radiology residents, colleagues, and friends established this endowment to honor Reed Rice, M.D. Dr. Rice joined the Duke faculty in 1965 and served as director of the Division of Diagnostic Radiology from 1976 to 1978 and as a professor in the Department of Radiology from 1974 to 1994. The endowment is intended to support a scholar in the field of radiology who demonstrates the qualities and skill that characterized Dr. Rice's professional life.



## Joseph R. Nevins, Ph.D.

Barbara Levine University Professor of Breast Cancer Genomics

Joseph R. Nevins, Ph.D., is the Barbara Levine University Professor of Breast Cancer Genomics, director of the Center for Applied Genomics and Technology in the Duke Institute for Genome Sciences & Policy, and former chair of Duke's Department of Molecular Genetics and Microbiology. His research focuses on the molecular mechanisms that control gene expression in animal cells, with a particular focus on the key regulatory pathways that govern the growth of normal cells and are central to the development of human cancers. Dr. Nevins' work has used genomic tools to identify gene-expression signatures that reflect various aspects of cancer biology, and his pioneering use of expression profiles to predict cancer outcomes has the potential to change treatment decisions in early-stage lung cancer. Using oncogenic pathway-deregulation signatures and response predictions to many commonly used cytotoxic chemotherapies, he also has developed genomic signatures that predict responses to various targeted therapeutics. This work has formed the basis for prospective clinical studies that will guide the use of standard chemotherapies. Dr. Nevins earned a Ph.D. in microbiology from Duke University and continued his postdoctoral studies at Rockefeller University in New York.

### **Barbara Levine University Professor of Breast Cancer Genomics**

This endowment was created by Leon Levine and his children, Howard Levine and Lori L. Sklut, in memory of his wife and their mother Barbara Levine, who lost her battle with breast cancer when she was 27. Leon Levine, founder and chairman emeritus of Family Dollar Stores, Inc., has been a friend and supporter of Duke University Medical Center for more than 20 years. In the 1980s, he served for eight years on the Duke Hospital Advisory Board. In 1992 the Levine Science Research Center, one of the country's largest single-size interdisciplinary facilities for teaching and research, was named in his honor. From 1993 to 1998, Mr. Levine was a member of the Duke Medicine Board of Visitors. In addition to this professorship, the Levine family established the Barbara Levine Breast Cancer Genomics Faculty Research Endowment.





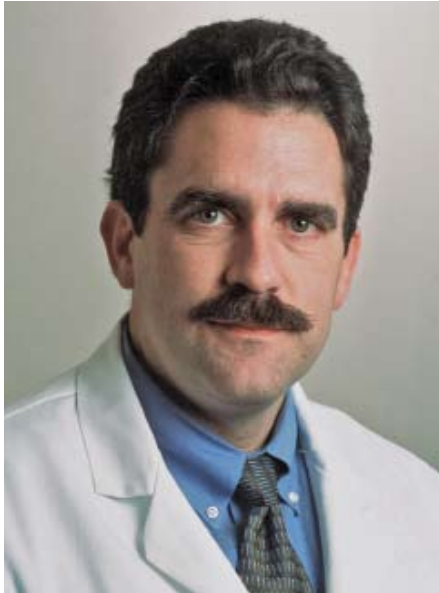
## Christopher Newgard, Ph.D.

W. David and Sarah W. Stedman Professor of Nutrition

Christopher Newgard, Ph.D., is the W. David and Sarah W. Stedman Professor of Nutrition and director of the Sarah W. Stedman Nutrition and Metabolism Center. He also holds appointments in the Departments of Pharmacology and Cancer Biology, Medicine, and Biochemistry. Dr. Newgard's primary research interests are metabolic regulatory mechanisms and new therapies for obesity and diabetes. He is advancing the Stedman Center into a world leader in metabolic research, including its applications to chronic and increasingly common human problems such as obesity, diabetes, hypertension, and cancer. Dr. Newgard's honors and awards include the Outstanding Scientific Achievement (Lilly) Award from the American Diabetes Association, the Solomon Berson Award from the American Physiological Society, and the Bristol Meyers Squibb Freedom to Discover Award in Metabolic Research. Prior to coming to Duke, Dr. Newgard was the Gifford O. Touchstone, Jr., and Randolph G. Touchstone Distinguished Chair in Diabetes Research and professor of biochemistry and internal medicine at the University of Texas Southwestern Medical Center. He holds an undergraduate degree from Duke University and a Ph.D. from UT Southwestern Medical Center. He completed a postdoctoral fellowship at the University of California, San Francisco, in 1987.

### **W. David and Sarah W. Stedman Professor of Nutrition**

David and Sarah Stedman of Winston Salem, North Carolina, created this endowment in 1989 to support the director of the Sarah W. Stedman Nutrition and Metabolism Center at Duke University Medical Center. This endowment complements a second endowment they established to fund programs at the Stedman Center. Mr. Stedman graduated from Duke University's Trinity College in 1942.



## Mark Newman, M.D.

Merel H. Harmel Professor of Anesthesiology

Mark Newman, M.D., is the Merel H. Harmel Professor of Anesthesiology, chair of the Department of Anesthesiology, the first medical director of Duke's Global Perioperative Research Organization, director of the Perioperative Organ Protection Consortium, and a professor in the Department of Medicine. He is best known for his work in assessing cognitive dysfunction and quality of life following coronary artery bypass graft surgery. Appointed chief of the Division of Cardiothoracic Anesthesiology in 1994, Dr. Newman has served since 1996 as a senior fellow at Duke's Center for the Study of Aging and Human Development, where he has studied genetic predictors of short- and long-term cognitive dysfunction, myocardial infarction, and perioperative organ injury. Also a member of Duke Clinical Research Institute's Multicenter Outcomes Research faculty, he joined Duke as an assistant professor of anesthesiology in 1992. Dr. Newman has trained and mentored more than 30 Duke fellows in cardiothoracic anesthesiology. He has appeared on *NBC Nightly News*, *North Carolina Now*, and *The NBC Today Show*, and has been invited to speak at more than 200 national and international meetings. In 2006 he was awarded the Bernard H. Eliasberg Medal for significant contributions in the field of anesthesiology, critical care, and pain management. Dr. Newman completed a fellowship in cardiac anesthesiology at Duke University School of Medicine.

### **Merel H. Harmel Professor of Anesthesiology**

This endowment was created to honor Merel H. Harmel, M.D., professor emeritus and founding chairman of the Duke Department of Anesthesiology, co-inventor of the first worldwide computerized vital-signs monitoring system, and advocate of resident and medical student teaching. Dr. Harmel was chairman of the Department of Anesthesiology from 1971 to 1983.





## Miguel A. L. Nicolelis, M.D., Ph.D.

Anne W. Deane Professor of Neuroscience

Miguel A. L. Nicolelis, M.D., Ph.D., is the Anne W. Deane Professor of Neuroscience and professor in the Departments of Neurobiology, Biomedical Engineering, and Psychology and Neuroscience. In addition, he serves as co-director of the Duke Center for Neuroengineering. Dr. Nicolelis is interested in understanding the computational principles underlying the interactions between populations of neurons involved in motor control and tactile perception. Although Dr. Nicolelis is best known for his study of brain-machine interfaces for neuroprosthetics in humans and non-human primates, he also is developing an integrative approach to studying neurological and psychiatric disorders by recording neuronal ensemble activity in genetically modified mice. He believes this approach will allow the integration of molecular, cellular, systems, and behavioral data in the same animal, leading to a better understanding of the alterations associated with these disorders. Laboratories in the United States and Europe have used Dr. Nicolelis' experimental paradigm to study mammalian neuronal systems, and his work has influenced research in computer science, robotics, and biomedical engineering. This multidisciplinary approach to research has become widely recognized in the neuroscience community. Dr. Nicolelis was named one of *Scientific American's* Top 50 Technology Leaders in America in 2004, and he has received a number of honors and awards, including the Whitehead Scholar Award, the Defense Advanced Research Projects Agency Award for Sustained Excellence by a Performer, and the Ruth and A. Morris Williams, Jr., Faculty Research Prize. A native of Sao Paulo, Brazil, Dr. Nicolelis earned an M.D. and Ph.D. in neurophysiology from the University of Sao Paulo, where he was awarded the Oswaldo Cruz Prize for research, the highest honor for a Brazilian medical student. After postdoctoral work at Hahnemann University, he joined the Duke faculty in 1994.

### Anne W. Deane Professor of Neuroscience

This professorship was established in 1993 by Disque D. Deane, who attended Duke University's Trinity College. Mr. Deane established the professorship in honor of his daughter, Anne W. Deane, to be awarded to a professor in the neurosciences who specializes in human diseases. Mr. Deane, a New York real estate investor and financier, also created the Carl R. Deane Professorship of Neuroscience in honor of his son. In addition, in 2005 he established the Disque D. Deane Professorship Fund and has provided gifts in support of the Deane Neurological Disease Laboratories at Duke University Medical Center.





## James Nunley, M.D.

Goldner Jones Professor of Orthopedic Surgery

James Nunley, M.D., is the Goldner Jones Professor of Orthopedic Surgery. An orthopedic surgeon on the Duke faculty for the past 27 years, he is also chief of the Division of Orthopedic Surgery. Dr. Nunley specializes in surgery of the foot and ankle. In the laboratory his focus is on injury and biomechanical disorders of the foot and ankle. He heads one of the largest training programs for orthopedic surgeons in the country, with eight new residents and thirteen fellows joining the program each year. For the past several years, in a series of FDA-sanctioned studies, Dr. Nunley has been testing new ankle joint designs—research that will expand treatment options for patients whose ankles have suffered the effects of trauma or degenerative disease. Dr. Nunley earned an undergraduate degree from Duke University in chemistry in 1969 and master's of science and medical degrees from Tulane University in 1973. He then completed two years of internship and residency training at the University of California, Los Angeles, and five years of specialty training at Duke in orthopedic surgery and hand and microvascular surgery.

### Goldner Jones Professor of Orthopedic Surgery

J. Leonard Goldner, M.D., and his wife, Eunice, of Durham, North Carolina, established this endowment in 1983 to fund a professorship in orthopedic surgery. Dr. Goldner served as chair of the Division of Orthopedic Surgery from 1967 until his retirement. He completed residency training at Duke from 1946 to 1950 and became an associate professor of orthopedic surgery in 1954. In 1957 he was named a James B. Duke Professor of Orthopedic Surgery. The Goldners' son, Richard D. Goldner, M.D., earned a medical degree from Duke in 1974 and is a member of the orthopedic surgery division. Billy R. Jones—to recognize the outstanding care provided by Dr. Goldner to him and his family—made a substantial gift to complete funding of the professorship in 2005. Mr. Jones, who resides in Atlanta, Georgia, is the retired founder of Crown Fiber Communications, Inc., a pioneer in the fiber optic cable industry.





## Edward Patz, Jr., M.D.

James and Alice Chen Professor of Radiology

Edward Patz, Jr., M.D., is the James and Alice Chen Professor of Radiology and a professor of pathology and pharmacology and cancer biology. Dr. Patz has served on many national and international committees, including numerous National Institutes of Health and National Cancer Institute initiatives and the World Health Organization's external advisory committee of the Russian Ministry of Health. He is a member of the American Board of Radiology, the Radiologic Society of North America, the Fleischner Society, and the International Association for the Study of Lung Cancer. Dr. Patz has served as a visiting professor and invited lecturer nearly 90 times since 1991 and has served in editorial capacities for publications that include *Cancer*, *Journal of Thoracic Imaging*, *Journal of Thoracic Oncology*, and the *Journal of Clinical Oncology*. Dr. Patz joined the Duke faculty in 1991 after serving on Harvard Medical School's radiology faculty. He earned a bachelor's degree in physics magna cum laude from Duke University and a medical degree from the University of Maryland. He was a research fellow in Harvard University's Department of Physics and completed an internship (medicine), residency, chief residency (radiology), and fellowship (thoracic imaging) at Boston's Brigham and Women's Hospital.

### James and Alice Chen Professor of Radiology

This professorship was established in 2002 by grateful patients, friends, and colleagues to honor James T. Chen, M.D., professor emeritus of radiology, and his wife, Alice. During his 35 years at Duke, Dr. Chen earned a reputation as a skilled and dedicated teacher who shared his vast knowledge of cardiac radiology and thoracic imaging with countless students, residents, fellows, and colleagues. He directed the basic clinical clerkship from 1983 to 1986 and served as director of scardiopulmonary radiology from 1976 to 2002. Named the Department of Radiology's Teacher of the Year four times during his career, Dr. Chen was also honored with the 1990 Duke Medical Alumni Distinguished Teaching Award, as well as the 1987 and 1990 Thomas D. Kinney, M.D., Teaching Award. He was a founding member of the North American Society for Cardiac Radiology and the Society for Thoracic Radiology.



## Ann Marie Pendergast, Ph.D.

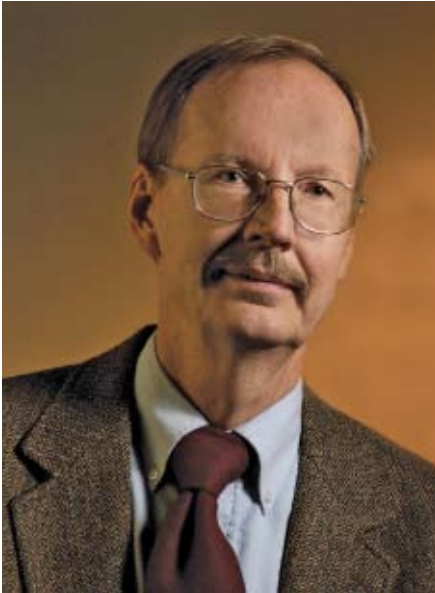
James B. Duke Professor of Pharmacology and Cancer Biology

Ann Marie Pendergast, Ph.D., is the James B. Duke Professor of Pharmacology and Cancer Biology. Dr. Pendergast's primary research interests are protein tyrosine kinases and the regulation of cell-to-cell communication and intracellular signaling in normal and cancer cells. She also defined the pathways used by the Bcr-Abl oncogenic tyrosine kinase to induce leukemia, and discovered novel roles for protein tyrosine kinases of the Abl family and their targets in cell morphogenesis, migration, and adhesion downstream of several cell-surface receptors in many types of cells. Dr. Pendergast's group was the first to discover that endogenous Abl kinases are required for bacterial entry during *Shigella flexneri* infection, which causes dysentery, and that pharmacological inhibition or genetic ablation of the Abl kinases impairs bacterial entry and the phosphorylation of Abl targets. These findings suggest novel approaches to treating Shigellosis and other bacterial infections. Dr. Pendergast joined Duke's Department of Pharmacology in 1992 as an assistant professor. She has been honored with awards that include the inaugural Whitehead Scholar Award, the Gertrude Elion Cancer Research Award, the Frank Rose Memorial Lecture Award from the British and Irish Associations for Cancer Research, the Stohlman Scholar Award, and the American Association of Cancer Research's Sidney Kimmel Cancer Research Award. She also was named a Scholar of the Leukemia Society of America. Dr. Pendergast earned a Ph.D. from the University of California, Riverside, and completed postdoctoral training at the University of California, Los Angeles.

### James B. Duke Professor of Pharmacology and Cancer Biology

The James B. Duke Professorships were created in 1953 by a special grant from The Duke Endowment to honor well-established members of the Duke academic community, regardless of field, who have achieved distinction as creative scholars. The professorships honor the late James B. Duke, industrialist and philanthropist, who was the principal benefactor of Duke University.





## Thomas D. Petes, Ph.D.

Minnie Geller Professor for Research in Genetics

Thomas D. Petes, Ph.D., is the Minnie Geller Professor for Research in Genetics and chair of the Department of Molecular Genetics and Microbiology. Dr. Petes identified mutations in the model eukaryote yeast that destabilize the genome, a breakthrough that led to the discovery of mutations in related human genes in certain cancer-prone patients. He served on the University of Chicago's Department of Microbiology faculty from 1977 to 1988, and on the Department of Biology faculty of the University of North Carolina from 1988 to 2004. Dr. Petes' honors include election to the National Academy of Sciences and to the American Academy of Arts and Sciences, and he has served as both vice president and president of the Genetics Society of America. Dr. Petes earned an undergraduate degree at Brown University and a graduate degree in the Department of Genetics at the University of Washington, Seattle. He conducted postdoctoral research with D.H. Williamson at the National Institute for Medical Research in London and with David Botstein at Massachusetts Institute of Technology.

### Minnie Geller Professor for Research in Genetics

This is one of a series of endowments established in the late 1980s by Dr. George Barth Geller, a general surgeon who practiced in New York and Florida. Dr. Geller had no connection to Duke University and never visited Durham. He was introduced to Duke by Mr. Fenner Douglass, a Duke professor of music and university organist, and his brother, Mr. John Douglass, an attorney. When Dr. Geller died in 1992, an additional bequest helped to further support these endowments.



## Salvatore V. Pizzo, M.D., Ph.D.

Duke University Distinguished Service Professor of Pathology

Salvatore V. Pizzo, M.D., Ph.D., is the Duke University Distinguished Service Professor of Pathology, chair of pathology, and medical director of Duke's Clinical Laboratories. Dr. Pizzo's research focuses on proteinase regulation and fibrinolysis, with an emphasis on tumor biology, angiogenesis, and vaccine development. His team's discovery of the target for the anti-tumor agent angiostatin led to a novel treatment that targets tumors' blood vessels with monoclonal antibodies. Dr. Pizzo has served on three National Institutes of Health study sections. Currently a member of a National Cancer Institute Program Project committee, he has chaired the Department of Defense's Breast Cancer Research Program Review Committee and the Gordon Conferences on proteases and their inhibitors. He has been elected a fellow of the American Association for the Advancement of Science and is a member of the Association of University Pathologists and the American Society for Clinical Investigation. Dr. Pizzo has trained more than 50 postdoctoral fellows, graduate students, and M.D./Ph.D. students and has been honored with the School of Medicine's Golden Apple Award and the Medical Alumni Association's Distinguished Faculty Award. He earned both medical and doctoral degrees from Duke, where he also completed residency training in pathology.

### Duke University Distinguished Service Professor of Pathology

The Duke University Distinguished Service Professorships were created to recognize exceptional service to Duke University as a whole—typically in an administrative role in the University—beyond achievements in a single discipline.





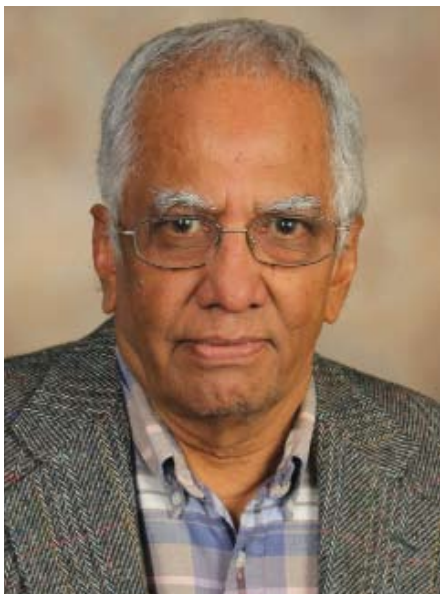
## Christian Raetz, M.D., Ph.D.

George Barth Geller Professor for Research in Molecular Biology

Christian Raetz, M.D., Ph.D., is the George Barth Geller Professor for Research in Molecular Biology in the Department of Biochemistry. He served as chair of Duke's Department of Biochemistry from 1993 to 2007. Dr. Raetz's research focuses on the biosynthesis, genetics, and function of membrane lipids in bacterial and animal systems. He discovered the ten unique enzymes that assemble lipid A in the outer membranes of *E.coli* and related bacteria, and showed that this pathway is a good target for novel antibiotics. His laboratory is supported by three major National Institutes of Health (NIH) research grants, including a MERIT Award. Dr. Raetz has been honored with the Avanti Award in Lipid Research from the American Society for Biochemistry and Microbiology, and in 2006 he was elected to the National Academy of Sciences. He has served as a member of the NIH Physiological Chemistry Study Section, an associate editor of the *Annual Review of Biochemistry*, and on the scientific advisory boards of several biotechnology companies. Before joining Duke in 1993, Dr. Raetz served as vice president of Merck Research Laboratories' basic research program in biochemistry and microbiology, as well as a professor of biochemistry at the University of Wisconsin, Madison. He graduated Alpha Omega Alpha from Harvard University, where he earned an M.D. and a Ph.D. in biochemistry and was awarded the James Tolbert Shipley Research Prize. Dr. Raetz completed an internship at the Peter Bent Brigham Hospital and served as a research associate with the NIH U.S. Public Health Service.

### George Barth Geller Professor for Research in Molecular Biology

This is one of a series of endowments established in the late 1980s by George Barth Geller, M.D., a general surgeon who practiced in New York and Florida. Dr. Geller had no connection to Duke University and never visited Durham. He was introduced to Duke by Fenner Douglass, a Duke professor of music and university organist, and his brother, John Douglass, an attorney. When Dr. Geller died in 1992, an additional bequest helped to further support these endowments.



## K. V. Rajagopalan, Ph.D.

James B. Duke Professor of Biochemistry

K. V. Rajagopalan, Ph.D., is a James B. Duke Professor of Biochemistry. Trained in chemistry and biochemistry, his interests focus on the chemistry and biology of enzymes in which the element molybdenum is an essential constituent, and on the relationship of those enzymes to human health and disease. Dr. Rajagopalan joined the Duke faculty in 1959 as a research associate in the Department of Biochemistry, where he achieved the rank of professor. A principal investigator on several National Institutes of Health (NIH)-funded projects, his current research focuses on a family of novel co-factors essential for the function of molybdoenzymes in almost all living organisms. Dr. Rajagopalan has served on the NIH Physical Biochemistry and Metallobiochemistry Study Sections and on the editorial boards of several scientific journals, including *Journal of Biological Chemistry* and *Biochimica Biophysica Acta*. Dr. Rajagopalan graduated from Madras University in India, where he earned a B.Sc. (Hons.) in chemistry and an M.Sc. and Ph.D. in biochemistry.

### James B. Duke Professor of Biochemistry

The James B. Duke Professorships were created in 1953 by a special grant from The Duke Endowment to honor well-established members of the Duke academic community, regardless of field, who have achieved distinction as creative scholars. The professorships honor the late James B. Duke, industrialist and philanthropist, who was the principal benefactor of Duke University.





## Jane Richardson

James B. Duke Professor of Biochemistry

Jane Richardson is a James B. Duke Professor of Biochemistry. She has spent more than 40 years working with her husband, David C. Richardson, Ph.D., to advance the understanding of the 3-D structure of proteins, including their description, determinants, folding, evolution, and control. The Richardsons were among the early pioneers in protein crystallography, helped start the field of protein design, and developed the molecular graphics system of kinemages. She pioneered ribbon drawings to represent protein structures and was the first to describe many of the common features of folds and motifs, such as Greek key beta barrels, right-handed crossovers, and helix caps. Ms. Richardson has been active in promoting molecular 3-D literacy and developed a new method to calculate hydrogen-atom contacts to visualize and quantify the details of packing interactions inside and between molecules. This work has applications in bioinformatics, RNA structure, and especially structural genomics. Ms. Richardson holds a B.A. in philosophy from Swarthmore College, two master's degrees, and three honorary degrees, but no Ph.D. A MacArthur Fellow and a member of the National Academy of Sciences, American Academy of Arts and Sciences, and Institute of Medicine, she served as a Phi Beta Kappa Visiting Scholar in 2002-2003.

### **James B. Duke Professor of Biochemistry**

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## Howard A. Rockman, M.D.

Edward S. Orgain, M.D., Professor of Cardiology

Howard A. Rockman, M.D., is the Edward S. Orgain, M.D., Professor of Cardiology and chief of cardiology at Duke. He also holds joint appointments in the Departments of Cell Biology and Molecular Genetics. His research interests focus on understanding the molecular mechanisms of cardiac hypertrophy and heart failure, with emphasis on the role of G protein-coupled receptors in the development of disease. His recent work in understanding the role of G protein-coupled receptor signaling in the pathogenesis of the failing heart has led to the discovery of a new signaling mechanism for the beta-adrenergic receptor. This discovery is leading the way to the development of novel drugs that not only act as classical antagonists for G-protein signaling, but also stimulate cardioprotective signaling in the heart. Dr. Rockman's passion for mentoring young scientists was recognized when he received the 2005 Outstanding Mentorship Award from the fellowship program at Duke University. Of the more than 45 scientists he has trained, two have been recipients of the prestigious Louis N. and Arnold M. Katz Basic Science Research Prize from the American Heart Association. Dr. Rockman has been elected to the Association of American Physicians and the American Society for Clinical Investigation. He earned an M.D. from McGill University and completed a medical residency at the Montreal General Hospital. He completed a cardiology fellowship at the University of California, San Diego.

### Edward S. Orgain, M.D., Professor of Cardiology

In 1974, a group of friends, colleagues, students, and grateful patients of Edward S. Orgain, M.D., began raising funds to establish a professorship in honor of his retirement from Duke University Medical Center. Dr. Orgain came to Duke in 1934 as founding chief of the Division of Cardiology and professor of medicine. The group succeeded in fully funding the professorship in 1982. It supports clinicians who seek to improve heart disease treatment.





## Allen D. Roses, M.D.

Jefferson-Pilot Corporation Professor of Neurobiology

Allen D. Roses, M.D., is the Jefferson-Pilot Corporation Professor of Neurobiology. He also has served as founding director of the Joseph and Kathleen Bryan Alzheimer's Disease Research Center, chief of the Division of Neurology, and director of the Center for Human Genetics. Dr. Roses was one of the first clinical neurologists to apply molecular genetic strategies to neurological diseases. His laboratory at Duke reported the chromosomal location for more than 15 diseases, including several muscular dystrophies and Lou Gehrig's disease. Dr. Roses led the team that identified apolipoprotein E4 (APOE4) as the major susceptibility gene for common late-onset Alzheimer's disease in 1992. In 1997 Dr. Roses left Duke to become senior vice president for genetic research at GlaxoSmithKline (GSK) where he supervised the translation of the APOE4 association, finding new metabolic pathways for Alzheimer's disease, as well as new lead molecules for drug development. His laboratory teams then completed the first pharmacogenetic clinical efficacy trial—identifying responsive and non-responsive patients in a large Phase IIB clinical trial. This work in drug discovery and development led to three ongoing Phase III trials of rosiglitazone for the treatment of Alzheimer's disease, the first of which will end in 2009. Dr. Roses' GSK teams also performed the proof-of-principle experiments for identifying genetic causes of serious adverse effects from drugs. This work culminated in finding the first highly accurate predictive test for drug allergy. A pioneer in the application of whole-genome analyses for several common diseases, Dr. Roses returned to Duke in 2007 to initiate the Deane Drug Discovery Institute to translate exploratory research into molecules suitable for translational medicine. He earned a B.S. in chemistry from the University of Pittsburgh and a medical degree from the University of Pennsylvania. He completed an internship at the Hospital of the University of Pennsylvania and a residency in neurology at Columbia University. He later served as chief resident in Duke's Department of Neurology.

### Jefferson-Pilot Corporation Professor of Neurobiology

Joseph M. Bryan, Sr., a longtime executive of the Jefferson-Pilot Corporation, established this professorship in 1987. An active philanthropist committed to Alzheimer's disease research, Mr. Bryan sponsored numerous projects including the Joseph M. and Kathleen Price Bryan Alzheimer's Disease Research Center in honor of his wife Kathleen. After Kathleen's death from Alzheimer's disease in 1984, Mr. Bryan began a series of generous gifts to Duke University Medical Center to aid the development of one of the premier Alzheimer's disease research centers in the country. In 1985 he made the largest gift to Duke University Medical Center by a North Carolinian since James B. Duke's initial gift for the creation of the medical center, for the Joseph and Kathleen Bryan Neurobiology Research Building.



Photo by Bachrach

## David Sabiston, Jr., M.D.

James B. Duke Professor of Surgery

David Sabiston, Jr., M.D., is the James B. Duke Professor of Surgery. In 1964 Dr. Sabiston was recruited to Duke as chairman of the Department of Surgery, where he served until 1994. As chair he developed the country's top surgical department and became internationally recognized as a leader in surgery. An exemplary clinical surgeon, Dr. Sabiston devoted enormous amounts of time to teaching medical students and house staff and was recognized for his excellence in teaching with both the Golden Apple Award and the Thomas D. Kinney, M.D., Teaching Award. As a tribute to his leadership, former Duke residents formed the David C. Sabiston Surgical Society, which funds the professorship at Duke named in his honor and supports surgical residents during their two years in full-time basic research. Dr. Sabiston completed two years of research in cardiorespiratory diseases at Walter Reed Army Medical Center and joined the staff of Johns Hopkins University, where he rose to the rank of professor. One of his most notable achievements at Hopkins was the first performance of a saphenous vein graft for coronary bypass of arterial obstructions in humans. Dr. Sabiston has served as president of every major national and international surgical society and as editor for the *Annals of Surgery*, author and editor for 20 surgery textbooks, including the *Sabiston Textbook of Surgery*, and more than 200 published journals. In 1981 he received the Duke Medical Alumni Association's Distinguished Teaching Award, and in 2005 he received its William G. Anlyan, M.D., Lifetime Achievement Award. He earned an undergraduate degree from the University of North Carolina, Chapel Hill, and a medical degree from the Johns Hopkins University School of Medicine, where he also completed a surgical residency.

### James B. Duke Professor of Surgery

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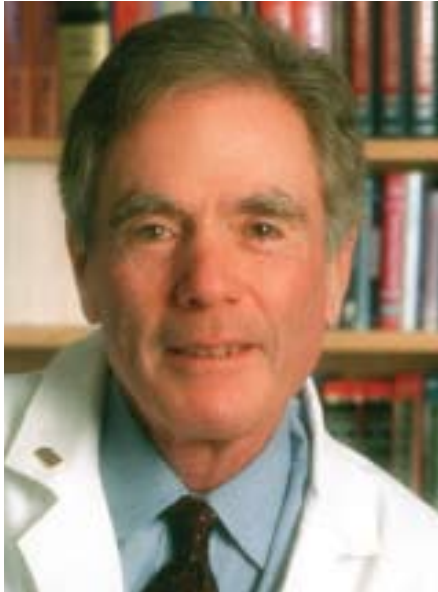
## Frank Sloan, Ph.D.

J. Alexander McMahon Professor of Health Policy and Management

Frank Sloan, Ph.D., is the J. Alexander McMahon Professor of Health Policy and Management and a professor of economics. Named a fellow at the Center for Demographic Studies in 1993, he became director of the Center for Health Policy, Law, and Management five years later. Prior to joining the Duke faculty in 1993, he served as chairman of Vanderbilt University's Department of Economics and Business Administration. Dr. Sloan's research interests include alcohol use and smoking prevention, long-term care, medical malpractice, and cost-effectiveness analyses of medical technologies. He also has a long-standing interest in hospitals, healthcare financing, and health manpower. Dr. Sloan has served on several public and private national advisory groups. A member of the Institute of Medicine, he has chaired committees on vaccine financing and cancer-control opportunities in low- and middle-income countries and currently chairs a committee on the treatment of uncertainty in environmental policy decision making. He holds an undergraduate degree from Oberlin College and a Ph.D. in economics from Harvard University.

### J. Alexander McMahon Professor of Health Policy and Management

This endowment was created to honor J. Alexander McMahon, a nationally respected expert in health sector management and former member of Duke University School of Medicine faculty and Duke University Board of Trustees. A 1942 graduate of Duke University's Trinity College, Mr. McMahon earned a law degree at Harvard. He held a number of national and state health agency positions before being appointed in 1986 as chairman of the medical center's Department of Health Administration. When that department moved to the university's Fuqua School of Business in 1992, Mr. McMahon became executive-in-residence in health services management at Fuqua, a position he continues to hold.



## Ralph Snyderman, M.D.

James B. Duke Professor of Medicine

Ralph Snyderman, M.D., is a James B. Duke Professor of Medicine and chancellor for health affairs, emeritus. He also served as executive dean of the Duke University School of Medicine, and was the first president and CEO of the Duke University Health System. Now in his 36th year as a member of the Duke faculty, he has been a Howard Hughes Medical Institute Investigator, chief of the Division of Rheumatology and Immunology, and Frederic Hanes Professor of Medicine and Immunology. Dr. Snyderman is an award-winning investigator and a visionary leader who guided the institution through unprecedented challenges in health care while leading it to prominence as one of the country's top academic medical centers. He was the chief architect of the Duke University Health System, one of the first fully integrated academic health systems in the nation. He is a past president of the Association of American Medical Colleges, a member of the Institute of Medicine, and a fellow in the National Academy of Arts and Sciences. Dr. Snyderman earned a medical degree magna cum laude at State University of New York Downstate Medical Center and completed training at Duke University School of Medicine.

### James B. Duke Professor of Medicine

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## Leonard Spicer, Ph.D.

Duke University Distinguished Service Professor of Radiology

Leonard Spicer, Ph.D., is the Duke University Distinguished Service Professor of Radiology and the founding director of the Duke Nuclear Magnetic Resonance Spectroscopy Center. Trained in physical chemistry, Dr. Spicer focuses on the study of structural biology and biophysics and was instrumental in bringing positron emission tomography (PET) and magnetic resonance (MR) imaging to Duke. Dr. Spicer served as the inaugural chair of the Provost's Advisory Committee on Academic Priorities after releasing "Crossing Borders: Interdisciplinary Planning for the Nineties," a report based upon his 1988 self-study of Duke University. He also has served as elected chair of Duke's Academic Council and as a faculty representative to both the Academic Affairs Committee and the Medical Center Affairs Committee of the Duke University Board of Trustees. He has been honored for this work with the Duke University Award for Merit. The author of more than 100 scientific publications, Dr. Spicer has chaired and served on National Institutes of Health, National Science Foundation, and U.S. Department of Energy panels and review committees. He also contributed to a National Research Council Committee study of shared instrumentation resources in the United States, which generated the monograph "Midsized Facilities: The Infrastructure for Materials Research." Dr. Spicer graduated from the University of Michigan with honors and holds a Ph.D. from Yale. He completed postdoctoral work at the University of Washington.

### **Duke University Distinguished Service Professor of Radiology**

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## Joseph W. St. Geme III, M.D.

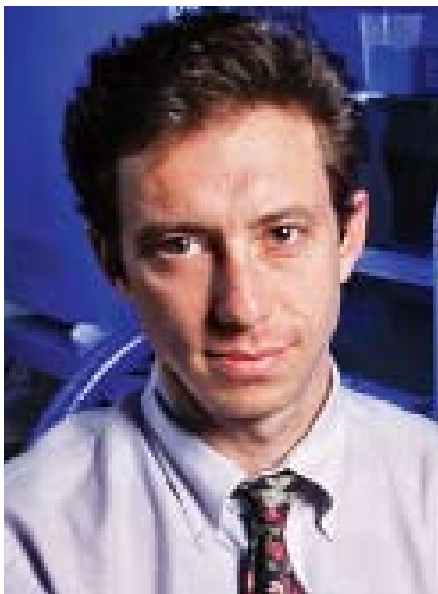
James B. Duke Professor of Pediatrics

Joseph W. St. Geme III, M.D., is the James B. Duke Professor of Pediatrics, chairman of the Department of Pediatrics, and a professor of molecular genetics and microbiology. Dr. St. Geme's research focuses on the molecular basis of host-pathogen interactions involving pathogenic bacteria. His laboratory group is concentrating primarily on understanding the determinants of infection due to *Haemophilus influenzae*, a leading cause of childhood morbidity and mortality worldwide. Other pathogens under study in his laboratory include other *Haemophilus* species, *Kingella kingae*, *Yersinia spp.*, *Neisseria meningitidis*, and *Bordetella pertussis*. Dr. St. Geme has been honored with awards that include the March of Dimes Basil O'Connor Award, the American Heart Association Established Investigator Award, and the Squibb Award from the Infectious Diseases Society of America. He has been elected to the Society for Pediatric Research, the American Pediatric Society, the American Society for Clinical Investigation, the Association of American Physicians, and the American Academy of Microbiology. He also has garnered teaching awards from medical students, residents, and graduate students and has received many *Best Doctors in America* citations. Prior to joining Duke in 2005, Dr. St. Geme served as director of Pediatric Infectious Diseases and co-leader of the Pediatrics Infection, Immunity, and Inflammation Research Unit in the Departments of Pediatrics and Molecular Microbiology at Washington University in St. Louis. He earned a bachelor's degree from Stanford University and a medical degree from Harvard Medical School. He completed a pediatric residency and chief residency at the Children's Hospital of Philadelphia and postdoctoral training in microbiology and infectious diseases at Stanford University.

### James B. Duke Professor of Pediatrics

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## Jonathan S. Stamler, M.D.

George Barth Geller Professor for Research in Cardiovascular Diseases

Jonathan S. Stamler, M.D., is the George Barth Geller Professor for Research in Cardiovascular Diseases and a professor of medicine and of biochemistry. Dr. Stamler's research findings helped explain how nitric oxide works, identifying S-nitrosylation as a key mechanism by which it controls protein function and thereby exerts a wide range of biological effects, including hypoxic vasodilation, airway relaxation (asthma), defense against pathogens (antimicrobial and antiviral activities), regulation of cell survival, control of cardiac- and skeletal-muscle contraction, and delivery of oxygen gas to tissues (release of blood vessel-dilating nitric oxide bioactivity by red blood cells). Dr. Stamler's work has also helped explain how nitroglycerin works and how patients can become tolerant to its effects. Additional discoveries include the class of endogenous molecules called S-nitrosothiols, which are essential for conveying nitric oxide bioactivity, as well as the enzymes that metabolize them and roles of bacterial, yeast, and worm hemoglobins in detoxifying nitric oxide and oxygen. Dr. Stamler has earned an Outstanding Investigator Award in Basic Science from the American Federation for Medical Research Foundation and a number of institutional prizes. He also has been named a Howard Hughes Investigator, a Pew Fellow, a Sandler Fellow, and is a member of the American Association of Physicians, the American Society for Clinical Investigation, the American Thoracic Society, the American Heart Association, and the American Society for Biochemistry and Molecular Science. Dr. Stamler joined the Duke faculty in 1994, after serving as an instructor and assistant professor of medicine at Harvard Medical School. He graduated from Brandeis University, earned a medical degree from Mount Sinai School of Medicine in 1985, and completed an internship and residency, as well as pulmonary medicine and cardiology fellowships at Brigham and Women's Hospital.

### George Barth Geller Professor for Research in Cardiovascular Diseases

This is one of a series of endowments established in the late 1980s by George Barth Geller, M.D., a general surgeon who practiced in New York and Florida. Dr. Geller had no connection to Duke University and never visited Durham. He was introduced to Duke by Fenner Douglass, a Duke professor of music and university organist, and his brother, John Douglass, an attorney. When Dr. Geller died in 1992, an additional bequest helped to further support these endowments.



## Bruce Sullenger, M.D., Ph.D.

Joseph W. and Dorothy W. Beard Professor of Experimental Surgery

Bruce Sullenger, M.D., Ph.D., is the Joseph W. and Dorothy W. Beard Professor of Experimental Surgery, director of Duke's Program in Combinatorial Therapeutics, and director of discovery research at the Duke Center for Genetic and Cellular Studies. Dr. Sullenger joined Duke's faculty as an assistant professor in the Departments of Surgery and Genetics, and from 2000 to 2003, he served as vice chair for research in the Department of Surgery. A recipient of the 2000 Duke University Medical Center Translational Medicine Award and the 1998 Azure De Ellis Research Grant for sickle cell research, he also was selected as a 1995 Sandoz Scholar. Dr. Sullenger graduated Phi Beta Kappa from Indiana University and from the Weill Cornell Graduate School of Medical Sciences at Cornell University, where he won the Vincent duVigneaud Prize and was the first-place winner in the research competition sponsored by the New York branch of the American Society of Microbiologists. While working as a postdoctoral fellow in the Department of Molecular Biology at New York's Memorial Sloan-Kettering Cancer Center, Dr. Sullenger received a Damon Runyon-Walter Winchell Cancer Research Award, as well as the Julian R. Rachele Prize.

### **Joseph W. and Dorothy W. Beard Professor of Experimental Surgery**

This professorship was established in 1974 to honor the memories of the late Joseph W. Beard, M.D., and his wife, Dorothy Waters Beard, and to promote research and understanding of surgery at Duke University and in the wider scientific community. Dr. Beard joined the Duke faculty in 1937 and a year later his research group, which included Mrs. Beard, developed the first usable vaccine for equine encephalomyelitis, an acute inflammation of the brain and spinal cord that once killed thousands of horses each year. In 1984, the endowment was fully funded and the Beard Professorship was created to foster basic biomedical research that promises to have the greatest potential to benefit humankind.





## Keith Sullivan, M.D.

James B. Wyngaarden Professor of Medicine

Keith Sullivan, M.D., is the James B. Wyngaarden Professor of Medicine. A renowned expert in blood and marrow transplantation, Dr. Sullivan joined Duke in 1999 from the Fred Hutchinson Cancer Center and the University of Washington, Seattle, where he was a member of the Clinical Research

Division and head of the Long-Term Follow-Up Program. His research focuses on the late effects of high-dose chemotherapy and stem-cell transplantation, graft-versus-host disease, and the use of transplantation as a treatment for sickle cell and autoimmune diseases. Dr. Sullivan has been a member of the board of directors for the American Society of Hematology and the Foundation for the Accreditation of Hematopoietic Cell Therapy, and he served as president and a founding member of the American Society for Blood and Marrow Transplantation. An electee to the Association for American Physicians and a fellow of the American Association for the Advancement of Science, he currently serves on the editorial boards of several publications, including *Biology of Blood and Marrow Transplantation*, *Bone Marrow Transplantation*, *Blood Reviews*, and *Hem/Onc Today*. Dr. Sullivan recently was recognized as an ISI Highly Cited Researcher, Clinical Medicine Category, by the Institute for Scientific Information (ISI). He earned both undergraduate and medical degrees from Indiana University and completed training at the University of Washington.

### James B. Wyngaarden Professor of Medicine

In 1985 former residents, friends, and patients of James B. Wyngaarden, M.D., established this endowment in his honor. An internationally known internist and biochemist, Dr. Wyngaarden came to Duke in 1956 as an associate professor of medicine and soon received a joint appointment in biochemistry. He left Duke briefly to chair the Department of Medicine at the University of Pennsylvania, returning in 1967 as chair of medicine and the first Frederic M. Hanes Professor of Medicine. Dr. Wyngaarden remained at Duke until 1982, when President Ronald Reagan appointed him director of the National Institutes of Health.



## Thomas F. Tedder, Ph.D.

Alter Geller Professor of Research in Immunology

Thomas F. Tedder, Ph.D., is the Alter Geller Professor of Research in Immunology, chairman of the Department of Immunology, director of the Duke Automated DNA Sequence Analysis Facility, and co-director of the Duke Autoimmunity Center of Excellence, and director of the Cancer Center Flow Cytometry Center. His research interests include the cell-surface molecule and signal-transduction pathways that regulate B lymphocyte function and their regulatory roles in immune responses, autoimmune disease, and malignancy. Dr. Tedder joined the Duke faculty in 1993 from Dana-Farber Cancer Institute at Harvard University, where he was an associate professor of pathology. He earned an undergraduate degree with honors, Phi Kappa Phi, and a master's degree from the University of Florida, Gainesville, followed by a Ph.D. from the University of Alabama, Birmingham. Prior to earning the Ph.D., he was an American Society for Microbiology President's Fellow. At Harvard, he was a research fellow of pathology and a Damon Runyon-Walter Winchell Fellow. In addition, he is a Stohlam Scholar of the Leukemia Society of America.

### Alter Geller Professor of Research in Immunology

One of a series of endowments created in the late 1980s by Dr. George Barth Geller, a general surgeon who practiced in New York and Florida, this professorship was named in honor of Dr. Geller's father. Dr. Geller had no connection to Duke University and never visited Durham. He was introduced to Duke by Fenner Douglass, a Duke professor of music and university organist, and his brother, John Douglass, an attorney. When Dr. Geller died in 1992, an additional bequest helped to further support these endowments.





## Marilyn Telen, M.D.

Wellcome Clinical Professor of Medicine

Marilyn Telen, M.D., is the Wellcome Clinical Professor of Medicine and chief of the Division of Hematology. She is also the director of the Immunohematology Laboratory, co-director of the Duke Hospital Transfusion Service, director of the Duke Comprehensive Sickle Cell Center, and associate professor of pathology. A recognized expert in the biochemistry and molecular genetics of blood-group antigens and red-cell membrane proteins, Dr. Telen seeks to advance the understanding of the mechanism and role of red-cell adhesion to endothelium in sickle cell disease, the molecular basis of blood-group antigen expression, and the interactions of erythroid membrane proteins with other cells and with extracellular matrix. Dr. Telen has contributed multiple chapters to preeminent textbooks of hematology and transfusion medicine, served on editorial boards, and lectured worldwide. In 2008 she will receive the Distinguished Faculty Award from the Duke Medical Alumni Association. She holds an undergraduate degree, cum laude, from Vassar College and an M.D. from New York University's School of Medicine. She came to Duke University Medical Center in 1980 for a fellowship in hematology and immunohematology and joined the Duke faculty in 1983.

### **Wellcome Clinical Professor of Medicine**

The Burroughs Wellcome Fund established this clinical professorship in 1997 in honor of the late R. Wayne Rundles, M.D., a 1940 graduate of Duke University School of Medicine and former chief of the Division of Hematology and Oncology. Dr. Rundles collaborated with 1988 Nobel Prize winners and Burroughs Wellcome scientists Gertrude Elion, Ph.D. (Hon.), and George Hitchings, Ph.D., in clinical investigations of compounds now routinely used in cancer chemotherapy.



## Dennis J. Thiele, Ph.D.

George Barth Geller Professor of Pharmacology and Cancer Biology

Dennis J. Thiele, Ph.D., is the George Barth Geller Professor of Pharmacology and Cancer Biology and vice chair of the Department of Pharmacology and Cancer Biology. His research seeks to decipher how organisms regulate their growth, development, and proliferation by establishing and maintaining proper homeostatic control mechanisms for copper and iron. Dr. Thiele has served as a member of the National Institutes of Health Molecular Genetics B Study Section, a member of the Wilson's Disease Association medical advisory committee, and in numerous other organizational and advisory capacities. Prior to joining the Duke faculty in 2003, he served for 16 years on the faculty of the University of Michigan Medical School's Department of Biological Chemistry. Dr. Thiele earned a bachelor's degree in biology from the State University of New York College at Fredonia and a doctoral degree from the Department of Microbiology (Microbiology and Molecular Genetics) at the Robert Wood Johnson Medical School at Rutgers University. He completed postdoctoral training in the National Cancer Institute Laboratory of Biochemistry.

### George Barth Geller Professor of Pharmacology

This is one of a series of endowments established in the late 1980s by George Barth Geller, M.D., a general surgeon who practiced in New York and Florida. Dr. Geller had no connection to Duke University and never visited Durham. He was introduced to Duke by Fenner Douglass, a Duke professor of music and university organist, and his brother, John Douglass, an attorney. When Dr. Geller died in 1992, an additional bequest helped to further support these endowments.





## James Urbaniak, M.D.

Virginia Flowers Baker Professor of Orthopedic Surgery

James Urbaniak, M.D., is the Virginia Flowers Baker Professor of Orthopedic Surgery. He served as chief of the Division of Orthopedic Surgery from 1985 to 2002. Renowned as a pioneer in replantation and microvascular reconstruction of injured extremities, Dr. Urbaniak developed a technique for treating osteonecrosis of the femoral head in young patients using free-vascularized fibular grafting and has performed this procedure on the hips of more than 3,000 patients from around the world. He has held numerous national leadership positions in orthopedic surgery, including serving as chairman of the Board of Trustees for the *Journal of Bone and Joint Surgery* and as president of the American Society for Surgery of the Hand; American Society of Reconstructive Microsurgery; American Orthopaedic Association; Eastern Orthopaedic Association; Orthopaedic Research and Education Foundation; International Federation of Societies for Surgery of the Hand; and American Board of Orthopaedic Surgery. He has received numerous national and international awards for his lifetime scientific contributions to orthopedic surgery. Dr. Urbaniak graduated from Duke University School of Medicine Alpha Omega Alpha in 1962. For the next two years he served as a lieutenant in the United States Medical Corps as an attending physician to the U.S. Senate and House of Representatives. After completing a surgical internship and an orthopedic residency at Duke, he joined the faculty in 1969.

### Virginia Flowers Baker Professor of Orthopedic Surgery

This endowment was established in 1974 in memory and appreciation of Virginia Flowers Baker, the daughter of Robert Lee, M.D., and Lilly Virginia Flowers. It was created by her husband, Lenox Baker, M.D., and her sons, Robert Flowers and Lenox D. Baker, Jr., as well as friends and colleagues. Dr. Baker was a 1934 graduate of Duke University School of Medicine and professor emeritus and former chief of the Division of Orthopedics.



## Huntington Willard, Ph.D.

Nanaline H. Duke Professor of Genome Sciences

Huntington Willard, Ph.D., is the Nanaline H. Duke Professor of Genome Sciences, with appointments in the Department of Molecular Genetics and Microbiology and the Department of Biology. In 2002 he was appointed the first director of the Institute for Genome Sciences and Policy at Duke University and vice chancellor for Genome Sciences at Duke University Medical Center. An internationally respected leader in the fields of human genetics and genomics, Dr. Willard's research interests include genome sciences and their broad implications for medicine and society, human chromosome structure and function, and epigenetic mechanisms of gene silencing, as well as the development of artificial human chromosomes for studies of functional genomics. Prior to his appointments at Duke, Dr. Willard held faculty positions at the University of Toronto, Stanford University, and Case Western Reserve University, where he served as chair of the Department of Genetics from 1992 to 2001. He also served as director and president of the Research Institute of the University Hospitals of Cleveland from 1999 to 2002. Dr. Willard is past president of the American Society of Human Genetics and past chair of both the Mental Retardation and Developmental Disabilities Research Committee and the Mammalian Genetics Study Section at the National Institutes of Health. Dr. Willard also served on the advisory committee on genetics, health, and society for the secretary of the U.S. Department of Health and Human Services. Dr. Willard earned an undergraduate degree from Harvard University and a Ph.D. from Yale University.

### Nanaline H. Duke Professor of Genome Sciences

This is the second professorship created in honor of the late wife of North Carolina industrialist and philanthropist James B. Duke, whose generosity led to the creation of Duke University and Duke University Medical Center. The Nanaline H. Duke Professorships are primarily intended to support young medical center faculty.





## Christopher G. Willett, M.D.

Leonard Prosnitz Professor of Radiation Oncology

Christopher G. Willett, M.D., is the Leonard Prosnitz Professor of Radiation Oncology and chair of the Department of Radiation Oncology. Dr. Willett's research focuses on novel therapies for treating rectal and pancreatic cancer, the use of intraoperative radiation therapy in treating gastrointestinal cancers, and clinical trials of therapies to treat these malignancies. A founding member of the International Society of Intraoperative Radiation Therapy, Dr. Willett has served as president of that society and as chair of the Radiation Therapy Oncology Group's GI Committee. Prior to joining Duke in 2004, he served as clinical director of radiation oncology at Massachusetts General Hospital and professor of radiation oncology at Harvard Medical School. He also has held appointments as a radiation oncologist at Brigham and Women's Hospital and the Dana-Farber Cancer Center. Dr. Willett earned bachelor's and medical degrees from Tufts University and completed a surgical internship at Vanderbilt University Medical Center. He also completed a residency in radiation medicine at Massachusetts General Hospital.

### Leonard Prosnitz Professor of Radiation Oncology

This professorship was established in 1996 by grateful patients, friends, and colleagues to honor Leonard R. Prosnitz, M.D., a pioneer in breast-conserving therapy for patients with breast cancer. Dr. Prosnitz served as chair of the Department of Radiation Oncology from 1983 to 1995. By the time he stepped down as chair, he had transformed a fledgling Division of Radiation Oncology into its own department that would earn honors as one of the best in the nation. Since then, he has remained active in the clinic and research. He has been listed by *Good Housekeeping* magazine as a "Top Cancer Doctor" for breast cancer.



## R. Sanders Williams, M.D.

Richard and Pat Johnson University Professor of Cardiovascular Genomics

R. Sanders Williams, M.D., is the Richard and Pat Johnson University Professor of Cardiovascular Genomics, Senior Vice Chancellor for Academic Affairs of Duke University Medical Center, and former dean of the School of Medicine. A physician-scientist, Dr. Williams discovered genes, proteins, and pathways that control development, proliferation, cell size, and differentiation of cardiac- and skeletal-muscle cells (myocytes). He defined basic principles of how these cells adapt to changing physiological demands associated with environmental stresses such as exercise and disease states such as congestive heart failure. Dr. Williams has served as president of the Association of University Cardiologists, chairman of the Research Committee of the American Heart Association, and on the editorial boards of *Science*, *Journal of Clinical Investigation*, *Circulation*, *Circulation Research*, and the *American Journal of Physiology*. He participated on the Director's Advisory Committee of the National Institutes of Health and the Board of External Advisors to the National Heart, Lung, and Blood Institute. He is a fellow of the American Association for the Advancement of Science, and a member of the Institute of Medicine of the National Academy of Sciences, the American Society for Clinical Investigation, and the Association of American Physicians. In 2005 he received the Pioneer Award from the Samuel Dubois Cook Society. He received the Duke Medical Alumni Association's Distinguished Alumnus Award in 2000. He graduated cum laude from Princeton University in 1970 and received his M.D. with election to Alpha Omega Alpha from Duke University in 1974.

### Richard and Pat Johnson University Professor of Cardiovascular Genomics

This professorship was established in 2003 by Richard and Pat Johnson in response to the Nicholas Faculty Leadership Initiative. The founder of Cornelius, Johnson, and Clark Insurance Agency and president of the Johnson Investment Group in West Palm Beach, Florida, Richard Johnson earned a business degree at Duke. Richard and Pat Johnson have been active in civic affairs for decades and also created the Richard S. Johnson Family Foundation to support education, religion, and health initiatives in Florida.





## Michael R. Zalutsky, Ph.D.

Jonathan Spicehandler, M.D., Professor of Neuro-Oncology

Michael R. Zalutsky, Ph.D., is the Jonathan Spicehandler, M.D., Professor of Neuro-Oncology and a professor in the Departments of Radiology and Biomedical Engineering. His primary research interest is radiochemistry applied to cancer imaging and therapy, in particular, malignancies of the central nervous system. A particular focus of his laboratory is harnessing the exquisite cytotoxicity of alpha particles for cancer treatment. Dr. Zalutsky's honors and awards include receiving the Berson-Yalow Award in 2005 and the Paul C. Aebersold Award for outstanding achievement in basic nuclear medicine science in 2007 from the Society of Nuclear Medicine. He also received a 10-year MERIT Award from the National Cancer Institute in 1999 for his work in targeted radionuclide therapy and recently served on the National Academy of Sciences Committee, evaluating the state of science in nuclear medicine. Prior to coming to Duke, Dr. Zalutsky held academic appointments at the University of Chicago and Harvard Medical School. He earned an undergraduate degree from Clark University and a Ph.D. in chemistry from Washington University. He completed postdoctoral training at Argonne National Laboratory.

### **Jonathan Spicehandler, M.D., Professor of Neuro-Oncology**

This professorship was established in 2005 by friends and colleagues of the late Jonathan Spicehandler, M.D., a patient and supporter of the Preston Robert Tisch Brain Tumor Center at Duke. Shortly after being diagnosed with cancer, Dr. Spicehandler organized a golf tournament to benefit brain tumor research at Duke. To make sure his hope of creating a professorship at the Brain Tumor Center became a reality, a few years later Dr. Spicehandler made a personal pledge that, coupled with the proceeds from the golf tournament, helped create the Jonathan Spicehandler, M.D., Professorship of Neuro-Oncology. Dr. Spicehandler lost his battle with cancer in 2006. The golf tournament goes on, keeping his memory alive and adding to the professorship.



# Endowed Professorships in the School of Nursing





## Linda Lindsey Davis, Ph.D., R.N., F.A.A.N.

Ann Henshaw Gardiner Professor of Nursing

Linda Lindsey Davis, Ph.D., R.N., F.A.A.N., is the Ann Henshaw Gardiner Professor of Nursing and a senior fellow in the Center for the Study of Aging and Human Development. Dr. Davis was one of the first Robert Wood Johnson Nurse Fellows in Primary Care and was elected to the National Academies of Practice (Nursing) in 1989 and the American Academy of Nursing in 2007. Her research focuses on aging, and she is the author of numerous papers and book chapters on family and elder-care issues. Dr. Davis has held leadership positions with national entities that include the National Alzheimer's Association, the TriServices Military Research Panel, and the American Nurses' Foundation, and she is a member of the scientific review panel of the National Institute of Nursing Research. Dr. Davis earned a bachelor's degree from Old Dominion University, a master's degree from the University of North Carolina, Chapel Hill, and a Ph.D. from the University of Maryland. She completed a primary care faculty fellowship at the University of Rochester.

### Ann Henshaw Gardiner Professor of Nursing

One of five distinguished professorships established by the Duke University School of Nursing, this professorship was created in 2004 to honor Ann Henshaw Gardiner, R.N., the nursing school's first faculty member. While at Duke, Ms. Gardiner worked closely with founding Dean Bessie Baker to develop and implement the nursing curriculum. A graduate of the Massachusetts General Hospital School of Nursing and Columbia University, she served on the faculty from 1930 to 1941.





## Diane Holditch-Davis, Ph.D., R.N., F.A.A.N.

Marcus Hobbs Distinguished Professor of Nursing

Diane Holditch-Davis, Ph.D., R.N., F.A.A.N., is the Marcus Hobbs Distinguished Professor of Nursing and associate dean for research affairs in the Duke University School of Nursing. Before joining the Duke faculty in 2006, Dr. Holditch-Davis served on the faculty at the University of North Carolina, Chapel Hill for more than 20 years and rose to the rank of Kenan Distinguished Professor of Nursing and director of the doctoral and postdoctoral programs at the School of Nursing. Her research uses observation of parent-child interactions and infant sleep to determine long-term health and developmental outcomes of infants, particularly those who are premature, adopted, seropositive for HIV, medically fragile, and the children of low-income, depressed mothers. Dr. Holditch-Davis has conducted intervention studies to reduce developmental delays and health problems in premature infants by improving maternal mental health and mother-infant relationships and encouraging mothers to use early intervention and health services for their infants. A fellow in the American Academy of Nursing, Dr. Holditch-Davis has received numerous awards, including the 2006 Duke School of Nursing's Distinguished Scientist Award, the March of Dimes N.C. Maternal-Child Nurse of the Year Award, and the Award for Excellence in Research from the Association of Women's Health, Obstetric, and Neonatal Nurses. The Southern Nursing Research Society also has honored her with its Distinguished Researcher and D. Jean Wood awards. Dr. Holditch-Davis earned a B.S.N. magna cum laude from Duke University and both an M.S. in parent-child nursing and a Ph.D. in developmental psychobiology from the University of Connecticut.

### Marcus Hobbs Distinguished Professor of Nursing

This professorship was established by the Duke University Board of Trustees to honor Marcus E. Hobbs, Ph.D., provost of the university from 1969 to 1970. In 1951 as chair of the chemistry department, Dr. Hobbs played an instrumental role in organizing the campus's Office of Ordnance Research (OOR), which later became the U.S. Army Research Office (Durham). For his service as acting chief scientist of the OOR, Dr. Hobbs was awarded the Army's Outstanding Civilian Service Medal. Dr. Hobbs also served as dean of the graduate school, dean of the university, vice provost, and provost before his retirement in 1970 as University Distinguished Service Professor, Emeritus. In 1989 he was awarded the Medal of Duke University. He was the first recipient of the Marcus Hobbs Award of the North Carolina Section of the American Chemical Society in 1988. Dr. Hobbs was also a charter member in 1958 of the Board of Governors of the Research Triangle Institute.

## Endowed Professorships to be Appointed

Robert C. Atkins, M.D., and Veronica Atkins Professor of Nutrition and Metabolism  
W. Lester Brooks, Jr., Professor of Rheumatology  
Jean and George W. Brumley, Jr., M.D., Professor of Developmental Biology  
George W. Brumley, Jr., M.D., Professor or Associate Professor of Developmental Biology  
Donald D. and Elizabeth G. Cooke Cancer Research Professor  
Donald D. and Elizabeth G. Cooke Professor of Experimental Oncology  
Laurel Chadwick Professor of Nursing  
Disque D. Deane University Professor  
Sandra Coates Associate Professor of Breast Cancer Research  
Helene Fuld Health Trust Professor of Nursing  
Leonard J. and Margaret Goldwater Professor of Occupational Medicine  
M. Mitzi and T. Richard Herold Assistant Professor of Pulmonary Medicine  
Charles L. Harrington and Margaret Darden McLeod Professor of Nursing  
James M. Ingram Professor of Gynecologic Oncology  
Leonard and Tobee Kaplan University Professor of Computational Medicine  
Guy L. Odom Professor of Neurological Surgery  
Kenneth L. Pickrell Professor of Plastic Maxillofacial and Reconstructive Surgery  
Helena Rubinstein Foundation Chair of Ophthalmology  
R. J. Reynolds Professor of Medical Education  
Paul H. Sherman, M.D., Associate Professor of Surgery  
Richard Sean Stack, M.D./Guidant Foundation Professor of Cardiology  
Walter L. Thomas Professor of Obstetrics and Gynecology  
James R. Urbaniak Professor of Orthopedic Surgery  
Joseph A. C. Wadsworth Professor of Ophthalmology  
Dr. Robert H. Wilkins and Gloria Wilkins Professor of Neurosurgery  
Endowed Department Chair of Pathology



## Professorships Not Fully Endowed

Frank H. Bassett III, M.D., Assistant Professor of Orthopedic Sports Medicine

Mary T. Champagne Professor of Nursing

Duke Infectious Diseases Professor

William Dalton Family Assistant Professor of Medical Oncology

Fred Cobb, M.D., Professor of Preventive Cardiology

John A. Feagin, Jr., M.D., Assistant Professor of Orthopedic Sports Medicine

Pediatric Dermatology Professor

James H. Semans, M.D., Professor of Urologic Surgery

Jerry Reves, M.D., Professor of Cardiac Anesthesiology

M. Bruce Shields Professor of Glaucoma Research and Treatment

Herbert A. Saltzman Professor of Pulmonary Medicine

Robert M. Sinskey, M.D., Professor of Ophthalmology

Anesthesiology Professor, 1 & 2

Duke Surgery Professor

James F. Glenn Professor of Urologic Surgery

Trinity Professor of Surgery

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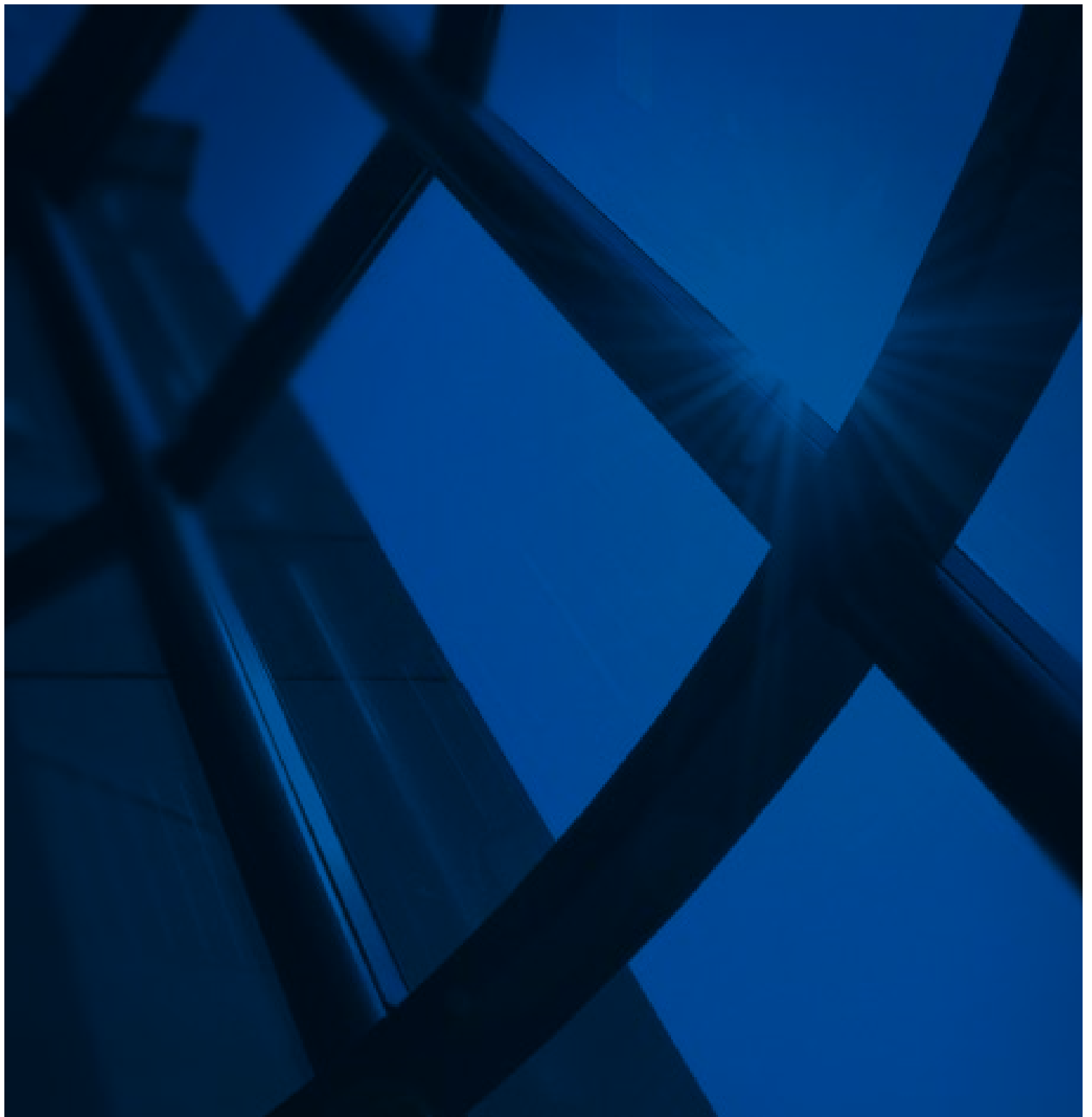
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