On behalf of everyone at Duke Health—the faculty, physicians, nurses, staff, students, residents, and patients—we thank you for your generosity.

Your partnership fuels the excellence that brings health to people and advances medical science. Duke Health is committed to forging new collaborations across our campus, in the local community, and around the world to ensure that new knowledge and new therapies reach people everywhere. Without you, we could not achieve our bold vision of excellence in research, education, patient care, and global and community health.

JANUARY 2016 Scientists at Duke, MIT, and Lumicell, Inc., show that an injectable agent they developed that causes cancer cells to “glow” is safe in humans and can identify cancerous tissue in the operating room, enabling surgeons to remove all of a tumor the first time.

MARCH Researchers at the Duke Human Vaccine Institute discover new details about how rare potent antibodies develop in people infected with HIV, forming a blueprint to guide them in building an effective vaccine.

MARCH Duke neuroscientists develop a brain-machine interface that allows monkeys to use only their thoughts to move a robotic wheelchair.

APRIL A large international study led by Duke Clinical Research Institute provides definitive evidence that coronary bypass surgery plus drug therapy extends the lives of patients with severe heart disease compared to medications alone.

MAY Duke scientists identify a molecular key in mice that breast cancer cells use to invade bone marrow, where they "hide" from chemotherapy or hormonal therapies. Researchers also show they can prevent breast cancer cells from entering the bone marrow and can flush cancer cells out into the bloodstream to target them for destruction.

MAY A modified poliovirus developed at Duke to treat brain tumors is awarded "breakthrough therapy" designation by the Food and Drug Administration. The designation will expedite research into the therapy.

Below, Stephanie Lipscomb, 25, was the first person to receive an experimental poliovirus therapy to treat an aggressive brain tumor (glioblastoma). She is now in remission. Photographed with her boyfriend, Matthew Hopper.
MAY  Duke scientists develop a new mouse model of a genetically-linked type of autism that reveals more about the role of genes in the disorder. They also discover that targeting a brain receptor in mice who have this type of autism could ease repetitive behaviors and improve learning.

AUGUST  Duke neuroscientists report that eight people paralyzed by spinal cord injuries regained partial sensation and muscle control in their lower limbs after training with mind-controlled robotics.

SEPTEMBER  Using specialized genetic sequencing tools, Duke geneticists quickly identify a new, rare genetic disease and help connect six affected children and families.

SEPTEMBER  Researchers at Duke Health identify a potential new avenue for treating Pompe disease, a rare condition that can cause potentially fatal damage to the liver, heart, and skeletal muscles.

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SEPTEMBER  Duke Health researchers identify a drug-like small molecule that could become the first treatment option for people with Prader-Willi syndrome, a severe, life-limiting genetic disorder.

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JANUARY 2017  Duke Cancer Institute researchers report that a mother’s exposure to second-hand tobacco smoke—even before conception—appears to impair fetal brain development.
Back in the 1970s, when William Stead, T’70, MD’74, HS’73–’77, and Ed Hammond, T’57, PhD’77, were working together to solve particularly thorny research problems in their offices in the Pickens Building, everybody around them knew it. The raised voices gave them away.

“Agreeing with each other was not an important characteristic of our relationship,” says Hammond, a professor in the Department of Community and Family Medicine and director of the Duke Center for Health Informatics. “Our personalities are about as different as they could be. We went at it tooth and nail. If you didn’t know better, sometimes you’d think we were about to come to blows.”

But out of the heat of those impassioned debates the two men forged not only a lifelong friendship, but also new solutions and fresh ideas that transformed the way that modern health care is practiced. Stead, an MD with a specialty in nephrology, and Hammond, who trained as an electrical engineer in Duke School of Engineering, collaborated in pioneering the field now known as biomedical informatics, the use of advanced technology to help gather and analyze data to improve human health.

Stead, now the chief strategy officer at Vanderbilt University Medical Center, and his wife, Janet, recently made a significant gift to Duke University School of Medicine to honor Hammond and the interdisciplinary example the two men set. Their donation establishes an endowment that will fund an early career professorship for faculty candidates dedicated to advancing knowledge by bridging disciplines, just as Stead and Hammond did.

“Ed had just joined the faculty at the engineering school, and I was on the medical side, but there was...
William Stead at the Chapman Quad at Vanderbilt University Medical Center.
a point where our interests intersected, and we were able to make some big steps,” Stead says. “Everything we’ve learned about science tells us that bringing different disciplines to bear is important. That’s what we’re trying to replicate with this professorship.”

The professorship will be named for Hammond—eventually. Duke policy prohibits endowed professorships from being named for active members of the faculty, which Hammond—after nearly 50 years on the job—very much still is.

So for the time being, the endowment is named for Stead’s father, the legendary chair of medicine Eugene A. Stead, MD, and E. Harvey Estes, Jr., MD, HS’53–’54, who was the head of the Department of Community Health Sciences (now Community and Family Medicine) where Stead and Hammond began working together in the 1970s.

If and when Hammond retires or leaves Duke, the fund will become known as the William Edward Hammond II, PhD, Associate or Assistant Professorship Fund.

“What Bill has done is wonderful, and I’m deeply touched,” says Hammond. “It’s probably the nicest thing anyone has ever done for me.”

A FRUITFUL PARTNERSHIP
Stead is about as steeped in Duke blue as it is possible to be. He was born at Duke University Hospital and spent much of his childhood roaming the campus, where his father served for two decades as the extraordinarily influential chairman of medicine. He earned his undergraduate and medical degrees at Duke, did his internship and fellowship at Duke, and proceeded directly to a faculty appointment and eventually administrative service at Duke.

In his telling, he barely strayed out of the shadow of Duke Chapel until 1991, when he accepted the post of chair at Vanderbilt University.

“I was born on the Duke campus, and I didn’t budge until I left for Vanderbilt in 1991,” says Stead. “I grew up at Duke, in an academic medical center environment, and that wound up shaping my whole life.”

As an undergraduate at Duke in the late 1960s, Stead became interested in what was then the fledging field of digital computing, participating in research using Duke’s first mini-computer to gather and analyze health data about cardiology patients.

Stead followed his interest in computing into the School of Medicine because he quickly recognized that physicians had the best chance to use computing to change clinical work.

Over at the School of Engineering, Hammond realized the same thing. When he joined what was then the brand-new Department of Biomedical Engineering, Eugene Stead saw his potential in medicine and arranged for him to split his time between engineering and the Department of Community Health Sciences. The agreement came with one requirement: that Hammond meet with Eugene Stead for an hour once a month.

“I didn’t really know who Dr. Stead was at that point, or why I had to go talk to him every month,” Hammond says. “But those talks, and the lifelong relationship we developed from them, have influenced my whole career.”

Bill Stead and Hammond began a long and extraordinarily fruitful collaboration that revolutionized the field of health care informatics, perhaps most prominently by developing electronic medical record programs that are the model for the systems used worldwide today.

“I had a lot of help when I was starting out, from Ed and so many others. Now I want to do what I can do help others in the same way.”

William Stead
LESSONS FROM EXPERIENCE
Neither Stead nor Hammond have ever forgotten the unique factors at Duke that allowed them to make those leaps: the encouragement of cross-disciplinary scholarship; the mentorship of senior faculty such as Eugene Stead and Harvey Estes; the flexibility that permitted Stead, in essence, to begin his third-year research work in (actually before) his first year of medical school.

In establishing what will become the Hammond Professorship, Stead intends to try to replicate those factors for future members of the faculty.

In addition to focusing on interdisciplinary research, the professorship incorporates senior mentorship—initially, at least, by Bill Stead himself. It is also deliberately designed to afford the dean of the School of Medicine great latitude in selecting from among candidates in different areas. Stead has expressed his hope that the initial holder of the post will be in the field of biomedical informatics, but after that—unlike most endowed professorships—it will be open to candidates from any discipline at all.

“As an administrator, I’ve spent a lot of my life trying to get the flexibility to put money where it’s most needed,” says Stead. “So I didn’t want to tie this endowment to any particular department; I want to give the dean the freedom to hire people from across various disciplines.”

Finally, the professorship is targeted toward early career faculty—assistant or associate professors—because, as Stead well knows, that’s the time when a scholar tends to set the course his or her career will take.

“My debt to Duke is as much from what I did as a junior faculty member as it is from my time as a student,” says Stead. “Your education doesn’t stop when you graduate; in some ways, that’s when it really begins. I had a lot of help when I was starting out, from Ed and so many others. Now I want to do what I can do help others in the same way.”
MIRACLES IN SIGHT SUPPORTS CORNEA RESEARCH AT DUKE EYE CENTER
Everyone knows that the human eye is made up of distinct parts and regions—the cornea, the retina, the optic nerve, and so on. It is less commonly understood, says Daniel Saban, PhD, that funding for research and treatment of eye disorders tends to be similarly divided and compartmentalized.

That’s why a recent $500,000 gift from Miracles in Sight to Duke Eye Center to support early career faculty research into diseases and disorders of the cornea is so important. The support, Saban says, brings together two rare but critical resources: funding for corneal research and expert scientists with the knowledge and skills to make important advances.

“And very few institutions in the world have the expertise in corneal and ocular disorders that Duke has. Miracles in Sight is getting funding into the right hands to make a difference for these patient populations.”

Daniel Saban

“Unlike other diseases of the eye, such as age-related macular degeneration or glaucoma, very few foundational agencies support funding for ocular surface and corneal diseases,” says Saban, assistant professor of ophthalmology and assistant professor in immunology. “And very few institutions in the world have the expertise in corneal and ocular disorders that Duke has. Miracles in Sight is getting funding into the right hands to make a difference for these patient populations.”

Miracles in Sight, based in Winston-Salem, North Carolina, is one of the largest eye banks in the world. Its mission is to recover, process, and distribute ocular tissue for the restoration of sight through corneal transplantation and related medical therapy and research.

The gift to support corneal and ocular research follows close on the heels of another $500,000 donation in 2016 from Miracles in Sight to Duke Eye Center. That one will help establish a biorepository at Duke to expand the availability of eye tissue for research to help defeat potentially blinding eye diseases, including major causes of visual disability such as dry eye, macular degeneration, glaucoma, and diabetic retinopathy.

Taken together, the two recent gifts, totaling $1 million, reflect an important partnership between Duke and Miracles in Sight, which earlier provided funding to support an ophthalmology fellowship.

> by Dave Hart
“At Duke Eye Center, we have a strong commitment to our early- to mid-career faculty and pushing the edge of biomedical research,” says Edward Buckley, T’72, MD’77, HS’81, the James Pitzer Gills III, MD, and Joy Gills Professor of Ophthalmology and chair of the Department of Ophthalmology. “Philanthropic support is an increasingly important avenue of support. These gifts from Miracles In Sight are great examples of funding important needs that will germinate ideas and collaborations beyond the scope of the initial gifts.”

The gift to advance corneal research will provide much-needed resources that will enable early-career faculty such as Saban, Anthony Kuo, MD, and Gargi Vora, MD, to pursue research that otherwise would probably not be possible.

Saban studies ocular surface diseases, which include allergy, meibomian gland dysfunction, and other inflammatory disorders that affect the surface of the cornea. These diseases can cause debilitating problems ranging from chronic pain and irritation to impaired vision and blindness.

“These gifts from Miracles In Sight are great examples of funding important needs that will germinate ideas and collaborations beyond the scope of the initial gifts.”

Edward Buckley

“We’ve made a lot of progress in understanding these diseases,” says Saban. “We’ve made some novel discoveries about the role of lymphocytes, for example, that could change the way doctors treat meibomian gland dysfunction. This funding will allow us to take those studies to the next level and develop the leads that we can translate to improved therapies.”

The donation to create a biorepository for eye tissue at Duke will pilot a novel three-year program that will increase procurement of tissue for research, establish an eye donation registry that will allow donors to designate eye tissue for research if it isn’t eligible for transplantation, and integrate data collection with Duke’s electronic medical records system.

“In addition to our dedication to helping restore sight through transplantation, we are committed to supporting laboratory research that will advance our understanding of blinding diseases, leading to cures,” says Dean Vavra, CEO of Miracles In Sight.

Many donors don’t realize that even eye tissue too badly damaged by disease to be used in transplantation can be extremely useful in research that will move medical science ever closer to cures for some of the most damaging diseases. Eye tissue for research is in short supply, and the Miracles in Sight donation will help fill a serious need, says Daniel Stamer, PhD, professor of ophthalmology and biomedical engineering at Duke Eye Center.

“Donated human eye tissue for research is critical for understanding the root causes of eye disease,” Stamer says. “Damaged tissue from devastating diseases such as glaucoma and macular degeneration provides valuable research material for these uniquely human conditions. While patients may think their eyes are broken, they may be surprised to learn that their eyes are incredibly valuable.”
No one knows better than Willard “Bud” Budzinski about the need for student aid in the Duke University School of Nursing. In 1994, retired after almost 30 years in the United States Air Force, Budzinski, who had earned an MBA while in the service, began work as business manager and assistant dean for business and finance at the school. Part of his job was developing rules for funding scholarships. “I became very familiar with the need for scholarships, which was tremendous, and the lack of money to pay for them,” he says.

At that time, scholarship endowments for the School of Nursing were small—most less than $100,000. During the time that Budzinski was working full time at Duke, then-dean Mary Champagne, PhD, RN, FAAN, started the Accelerated Bachelor of Science in Nursing (ABSN) Program, among other new initiatives. “It was a very busy and exciting time to work at the School of Nursing,” Budzinski says.

Over the years, he saw the student body triple, from about 100 students to nearly 300. And the need for financial aid grew right along with it. “As the student body grew larger, we could fund only those with greater need, and we had to add in more loans to supplement the scholarships,” Budzinski says.

> by Angela Spivey
In 2013, ten years after Budzinski had retired from full-time work at Duke, his wife, Maureen, began treatment for cancer at Duke. “Maureen thought the nurses were simply fantastic. They were compassionate and caring,” he says. “It was Maureen’s idea to say, ‘Let’s try to give something back.’”

Of course, the need for student aid had stuck in Budzinski’s mind. So he endowed a scholarship for ABSN students with a pledge funded by annual qualified charitable distributions from his Individual Retirement Account (IRA), with matching funds from Duke University’s Access and Opportunity Fund. In addition, to help nursing graduate students with a major or specialty in oncology, gerontology, or adult care, a bequest of his entire IRA upon Budzinski’s passing will endow the Willard C. and Maureen Anne Budzinski Scholarship Fund.

Sadly, Maureen lost her battle with cancer in 2015. The couple was married for 52 years. They met in Britain while Bud was in the Air Force and Maureen was serving in the Royal Air Force. They were set up on a blind date by mutual friends to play bingo. “Maureen always joked that she had won the jackpot: me,” Bud says. “She was the love of my life.”

PLANNED GIVING OPPORTUNITIES

Other planned gift options for donors include setting up gift annuities, which provide fixed lifetime income to the donor or others, or charitable remainder unitrusts, which provide variable lifetime income based on investment performance. Gift annuities are invested in the long term pool, which is managed by DUMAC, Inc., a professionally staffed investment organization controlled by Duke University. Charitable remainder unitrusts may also be invested in this pool. In addition, donors aged 70 1/2 and older who direct the custodian or trustee of their IRAs to make distributions to a public charity such as Duke will have those distributions excluded from their taxable income and counted toward their required minimum distribution for the year of the gift. In December 2015, President Obama signed legislation renewing this law, known as the IRA Charitable Rollover Law, and making it permanent for 2016 and beyond.

By making a planned gift to Duke Health, donors get the benefit of consulting with Joe Tynan, executive director of gift and endowment planning, who has 30 years of experience in charitable gift planning, 20 of them at Duke. “I can help donors make a plan tailored to their individual circumstances,” Tynan says. To learn more about making a planned gift to Duke Health, contact Tynan at joseph.tynan@duke.edu.
Redesigned Recognition Walls Honor Donors

Duke Health is pleased to announce the redesign of several donor recognition displays. The displays recognize the vision and generosity of our most loyal supporters.

Located on the second floor of Duke Clinic at 40 Duke Medicine Circle, the walls feature the names of the many alumni, faculty, staff, and friends whose gifts support our mission to advance health locally, nationally, and globally.

The Vista and Pillar Society walls recognize lifetime giving to any area of Duke Health. Vista Society donors have made cumulative gifts exceeding $250,000. Pillar Society donors have made cumulative gifts exceeding $100,000.

**VISTA SOCIETY**

Vista Society members demonstrate foresight through their extraordinary generosity and share Duke Health’s commitment to advancing health together. We recognize these generous donors for the opportunities they enable and extend our appreciation for the impact of their lifetime giving to Duke Health.

**PILLAR SOCIETY**

Pillar Society members provide foundational support throughout Duke Health. We extend our gratitude for their lifetime giving and for joining us on our quest to accelerate discovery, deliver exceptional patient care, provide transformative education, and build healthy communities locally and globally.

The Innovators and Leadership Society walls recognize annual giving to any area of Duke Health. Innovators Society members have contributed $25,000 or more during the previous fiscal year. Leadership Society members have contributed $10,000 or more during the previous fiscal year.

**INNOVATORS SOCIETY**

Innovation is the spark that generates discovery, advances health for people and communities, and inspires future leaders. We are grateful to these alumni, patients, faculty, staff, and friends whose annual gifts support breakthrough discoveries, exceptional health care, education for future leaders, and service to society.

**LEADERSHIP SOCIETY**

Through their annual gifts to Duke Health, these alumni, patients, faculty, staff, and friends are partners in our mission to advance health—locally, nationally, and globally. We thank them for their leadership, which fuels excellence across Duke Health: the School of Medicine, School of Nursing, and Duke University Health System.

For more information about your giving to Duke Health, please contact the Office of Donor Relations at 919-385-0063 or DHDonorRelations@duke.edu.
> MED SCHOOL RANKS 8TH IN RESEARCH AND PRIMARY CARE

Duke University School of Medicine ranks eighth in research, and for the first time in its history ranks among the top 10 in primary care, at eighth, according to U.S. News & World Report. In addition, the Duke Physician Assistant Program remained ranked number one, and the Doctor of Physical Therapy Program ranked 10th.

Three key specialty areas also placed in the top 10 nationally: internal medicine ranked fifth, geriatrics ranked seventh, and family medicine ranked 10th.

> NURSING SCHOOL RANKS 4TH

Duke University School of Nursing ranks fourth among the best graduate schools of nursing according to U.S. News & World Report. The school’s Doctor of Nursing Practice program, the first in North Carolina, ranks third. Duke also received the 2016 American Assembly for Men in Nursing Award for Best School/College for Men in Nursing, one of five schools to be recognized nationally.

> SCHOOL OF NURSING JUMPS TO 4TH, SCHOOL OF MEDICINE TO 8TH IN NIH FUNDING FOR RESEARCH

In 2016, Duke University School of Nursing received more than $6.5 million in funding from the NIH, for a ranking of fourth among graduate schools of nursing. The school’s ranking has increased every year since 2010, when it ranked 22nd. The School of Medicine’s ranking rose to eighth for 2016, from 13th in 2015, with a total of $337.7 million in funding.

> SCHOOL OF NURSING WINS NATIONAL DIVERSITY AWARD

Duke University School of Nursing was selected as a recipient of the 2016 INSIGHT Into Diversity Health Professions Higher Education Excellence in Diversity (HEED) Award. The award is the only national award that recognizes U.S. medical, dental, pharmacy, osteopathic, nursing, and allied health schools that demonstrate an outstanding commitment to diversity and inclusion.

> DUKE HOSPITAL RANKED 16TH

Duke University Hospital has been ranked 16th nationally by U.S. News & World Report.

In addition to being included on the national Honor Roll, Duke University Hospital remains number one in North Carolina and number one in the Raleigh-Durham area.

Honor Roll designations were awarded to just 20 hospitals out of nearly 5,000 institutions across the country. Rankings consider patient safety, survival rates, technology, and the hospital’s excellence in a number of specialties. Duke has earned a spot in the rankings for more than 20 years.

Duke also earned top-20 rankings in seven adult specialties in the 2016-17 report:

- Cardiology and Heart Surgery (No. 5)
- Diabetes and Endocrinology (No. 18)
- Ophthalmology (No. 6)
- Orthopaedics (No. 15)
- Pulmonology (No. 5; two-way tie)
- Rheumatology (No. 13)
- Urology (No. 9)

In addition, Duke Regional Hospital was ranked 16th in North Carolina and sixth in the Raleigh-Durham area. Duke Raleigh Hospital was listed at 11th in the state and fourth in the Triangle.
UPDATE: NEWS BRIEFS

> DUKE CHILDREN’S NAMED ONE OF FIVE NATIONAL LEADERS IN CHILDREN’S SURGERY

In November, Duke Children’s Hospital became one of only five Level-1 children’s surgical centers in the nation, as certified by the American College of Surgeons. The certification recognizes Duke as capable of providing the most complex care and services for children and their families. The certification follows more than a decade of reorganization and restructuring. The two-year certification process was led by Jeffrey Marcus, MD, a pediatric plastic and craniofacial surgeon and Duke Children’s chief of the Duke Center for Children’s Surgery, and Alexander Allori, MD, HS’10-’13, medical director of quality and safety at Duke Children’s, according to Allan Kirk, MD’87, PhD’92, HS’95.

> DUKE HEALTH TEAM PERFORMS NC’S FIRST HAND TRANSPLANT

In May, Duke became one of 10 hospitals around the country to perform a hand transplant. The highly complex procedure involves transplanting multiple tissues, such as the skin, muscles, tendons, bones, and nerves in a hand. The recipient, Rene Chavez of Laredo, Texas, lost his left hand in an accident at the age of 4. The 12-hour surgery was performed by a team of surgeons, anesthesiologists, nurses, operating room staff, and technicians led by Linda Cendales, MD, associate professor of surgery and director of the Duke Vascularized Composite Allotransplantation Program. She joined the Department of Surgery in 2014.

> DUKE AMONG FIRST RECIPIENTS OF NEW IBM COMMUNITY WELLNESS AWARD

Duke Health was named among the first recipients of the IBM Health Corps award, entitling it to receive an estimated $2.5 million in expertise to build a communications infrastructure to connect members of Durham community health partnerships. Duke was one of five institutions worldwide selected as part of IBM’s new Health Corps program, which aims to address disparities in health. Duke and other recipients will receive assistance in setting up data, analytics, and cognitive and cloud computing for public health projects worldwide. IBM’s work with Duke will be through Duke’s Center for Community and Population Improvement, directed by Ebony Boulware, MD’95, which is a member of the Healthy Durham partnership.
Scott Gibson, executive vice dean for administration; Chancellor A. Eugene Washington; Dean Nancy C. Andrews; and Raphael Valdivia, PhD, vice dean for basic science, sign the last steel girder during a “topping out” event for the School of Medicine’s new research building. This important milestone illustrates the progress that has been made thus far on construction of the third Medical Sciences Research Building (MSRB III).

>biden brings cancer “moonshot” initiative to duke

In February, Former Vice President Joe Biden visited Duke Cancer Institute and Duke University School of Medicine as part of the national “Moonshot” initiative he launched to expand cancer research. Biden’s visit included a lab tour, a roundtable discussion with faculty, and discussions with Duke Health system leaders and researchers, including 2015 Nobel laureate in chemistry, Paul Modrich, PhD. According to Michael Kastan, MD, PhD, executive director of Duke Cancer Institute, Biden selected Duke in part because of the collaborative environment of the Research Triangle Park.

> andrews to step down as dean in 2017

Dean Nancy Andrews, MD, PhD, announced in July that she will step down as dean and vice chancellor for academic affairs following completion of her 10th year in June 2017. Andrews is credited with numerous important initiatives, including construction of the Mary Duke Biddle Trent Semans Center for Health Education, the Hudson Building at Duke Eye Center, creation of four new departments, development of new educational programs and interdisciplinary research initiatives, and the implementation of efforts to improve diversity and inclusion.

> klotman named new dean

Mary Klotman, T’76, MD’80, HS’80-’85, a nationally renowned physician-scientist and academic leader who has served as chair of the Department of Medicine for almost seven years, has been named dean of Duke University School of Medicine and vice chancellor for health affairs at Duke University. She will assume these roles July 1, 2017.

Klotman’s appointment follows a six-month national search that was launched when Dean Nancy Andrews, MD, PhD, announced she planned to step down as dean. Andrews was the first female dean of a nationally acclaimed medical school, and leaves after a decade in the post on June 30, 2017.

Klotman has been a national leader in science and academic medicine through her roles in the Alliance for Academic Internal Medicine, where she is president of the Association of Professors of Medicine and on the Council for the Association of American Physicians. She is also a member of the National Academy of Medicine.

> snyderman publishes memoir

In A Chancellor’s Tale: Transforming Academic Medicine, Chancellor emeritus Ralph Snyderman, MD, HS’65-’67, reflects on his 15-year role in creating new paradigms for academic medicine while guiding Duke University Medical Center through periods of challenge and transformation. Under his leadership, the medical center became internationally known for its innovations in medicine, including the creation of Duke University Health System, which became a model for integrated health care delivery, and the development of personalized health care based on a rational and compassionate model of care. Published by Duke University Press, the book is available from Amazon, Apple, Barnes & Noble, and other major booksellers.

> new research building tops out

In January, Chancellor Eugene Washington, MD, MSc, and Dean Nancy Andrews, MD, PhD, hosted a signing ceremony for the final beam of a new Medical Sciences Research Building (MSRB III). Construction of the $103 million, 155,000-square-foot building began last summer and is anticipated to conclude in fall of 2018. Located on Research Drive, the building will exclusively house bench lab research. With six floors above ground and one below, it will significantly relieve the current shortage of research space in Duke University School of Medicine and foster collaboration and synergy among basic science researchers. MSRB III joins the 190,000-square-foot MSRB I, which opened in 1994, and the 165,000 MSRB II, which opened in 2006. The school also leases
research space in downtown Durham’s Innovation District, including the Carmichael Building on Duke Street and the Chesterfield, now being renovated on West Main Street.

> CENTER FOR NURSING DISCOVERY RECEIVES SIMULATION ACCREDITATION

The Duke University School of Nursing Center for Nursing Discovery has received a five-year accreditation by the Society for Simulation in Healthcare and the Council for Accreditation of Healthcare Simulation Programs in the area of Teaching/Education. Duke is the only nursing school in North Carolina and one of three in the United States to receive this accreditation.

> VINCENT PRICE NAMED 10TH DUKE UNIVERSITY PRESIDENT

Vincent Price, PhD, provost of the University of Pennsylvania since 2009, has been elected Duke University’s 10th president, David Rubenstein, chair of the university’s Board of Trustees, announced in December.

In addition to being the chief academic officer at Penn, Price is the Steven H. Chaffee Professor of Communication in the Annenberg School of Communication and professor of political science in the School of Arts and Sciences.

Price will succeed Richard H. Brodhead, PhD, on July 1, 2017.

He called Duke “a very special place where innovation is fueled by creativity and continually informed by rigorous and groundbreaking scholarship. Most important, it’s a place deeply dedicated to improving our world through research, service, and education.”

As the chief academic officer at Penn, Price oversees the university’s 12 schools and colleges, centers and institutes, student affairs, athletics, and the arts. He has advanced initiatives to diversify the faculty, develop new forms of teaching and learning, enhance arts and culture on campus, and facilitate interdisciplinary research and teaching.

He led Penn’s role as one of the first partners in Coursera, the online open learning platform, and served as founding chair of Coursera’s University Advisory Board. He also serves as trustee of the Wistar Institute, a nonprofit biomedical research institute dedicated to saving lives through science, and on the executive planning group for University of Pennsylvania Health System.

Price has been the catalyst for Penn’s global strategy, hiring the university’s first vice provost for global initiatives and spearheading the creation of the Penn Wharton China Center in Beijing, which opened in 2015.

He is married to Annette Price, and they have two children, Sarah, and Alexander.

> BARBER NAMED CHAIR OF OB-GYN

Matthew D. Barber, MD, MHS, HS’94-’95, ’02, has been named chair of the Department of Obstetrics and Gynecology, effective May 1. Barber is currently professor of surgery at the Cleveland Clinic Lerner College of Medicine at Case Western Reserve University and vice chair for research in the Obstetrics, Gynecology, and Women’s Health Institute at the Cleveland Clinic. He is also the fellowship program director for Female Pelvic Medicine and Reconstructive Surgery at the Cleveland Clinic.

> RYNN NAMED CHAIR OF PSYCHIATRY AND BEHAVIORAL SCIENCES

Moira Rynn, MD, has been named chair of the Department of Psychiatry and Behavioral Sciences, effective July 1. Rynn is a professor of psychiatry at Columbia University College of Physicians and Surgeons and at the New York State Psychiatric Institute. She also serves as director of the Child and Adolescent Psychiatry Division in the Department of Psychiatry and as medical director of the Columbia University Center for Anxiety and Related Disorders and director of the Children’s Research Day Unit in the New York State Psychiatric Institute.
KECK GRANT AWARDS $1M FOR BASIC NEUROSCIENCE RESEARCH

The W.M. Keck Foundation has awarded a $1 million grant to two Duke researchers who seek to find the specific circuits in the brain that govern the conscious and unconscious states. “Unraveling the Neural Gate to Consciousness” will pair the neurobiology labs of Fan Wang, PhD, an associate professor with appointments in neurobiology and cell biology, and Kafui Dzirasa, PhD’07, MD’09, assistant professor of psychiatry. Focusing on a family of cells known as the anesthesia-affected neurons, the two labs will trace cellular activity chemically and electrically to create maps of the neural networks. Once the circuits are identified, the researchers will attempt to see whether they can override an anesthesia-induced conscious state in mice.

Thank you W. M. Keck Foundation!

NEW GIFT FROM DUDLEY RAUCH PROVIDES 2 FULL-RIDE SCHOLARSHIPS

Dudley Rauch, T’63, made a $707,436 gift to support full-ride scholarships for two students entering the School of Medicine in 2017 and 2018. The Rauch Family Foundation Merit Scholarship is awarded each year to an incoming first-year student with outstanding promise of a significant career in medicine. The scholarship covers the full cost of attendance for four years, including tuition, fees, transportation, and allowance for living and miscellaneous expenses.

In 2013, Rauch established this merit scholarship, the first all-inclusive scholarship in the School of Medicine, in honor of his 50th Duke reunion. Since its establishment, Rauch has given more than $2 million for scholarships. The fund currently supports four Rauch Scholars.

“My intent with this scholarship is to allow the recipient the freedom to follow his or her passion in a career in medicine. This is my way of giving back to the next generation,” says Rausch.

Thank you Dudley Rauch!

BISHOP ESTATE GIFT PROVIDES FOR NURSING, DIVINITY, AND ATHLETICS

Connie Bishop, BSN’75, DNP’12, and her husband, the Reverend Benjamin B. Bishop, D’77, A’97, made a $1.5 million bequest commitment to establish three scholarship endowments that will benefit undergraduate minority students at Duke University School of Nursing, graduate students in Duke Divinity School, and student athletes.

In the early 1970s, Duke offered Connie a full scholarship as part of the benefits it provided at the time for children of faculty and staff. Her late father, Bob Bossons, was an assistant football coach at Duke on Bill Murray’s staff in the 1950s, and on Mike McGee’s staff in the 1970s.

Bishop chose to study nursing, and many of her significant life events happened while she was a student at Duke. In 1974, she met her husband at the graduate student center cafeteria near Hanes Hall, and they got married in 1976 in Duke Chapel. Bishop also received her nursing cap and nursing pin in the chapel.

“I have been given so much. I went to school on a scholarship, and I have an obligation to provide money for others to go to school,” says Connie.

Thank You Connie and Benjamin Bishop!

$1.5 million for:
The Dr. Connie B. Bishop and Rev. Ben B. Bishop Nursing Scholarship Endowment Fund
The Dr. Connie B. Bishop and Rev. Ben B. Bishop Divinity Scholarship Endowment Fund
The Dr. Connie B. Bishop and Rev. Ben B. Bishop Athletics Scholarship Endowment Fund
TRICES CONTINUE SUPPORT FOR NEUROSCIENCE RESEARCH

David Trice, T’70, and Kathy Trice made a $950,000 gift to continue their support of discovery neuroscience at Duke. In 2012, they established the Holland-Trice Scholars Program, which provides seed grants to Duke neurobiology scientists to conduct high risk-high, high-reward basic science research, with a gift of $1 million. The program provides four $50,000 faculty research grants and one $35,000 graduate student fellowship each year. Over the years, the program has supported 19 scholars and graduate fellows who conducted basic research on neurodegeneration, autism, epilepsy, and neuropsychiatric disorders.

The new gift will provide additional funding for the program for three more years. The Trices hope the gift will help Duke researchers better understand the mysteries of the brain and gain new insights that will lead to the development of successful treatments for Alzheimer’s disease, Parkinson’s disease, and other neurological disorders.

Thank you David and Kathy Trice!
$950,000 for the Holland-Trice Scholars Program.

SANFILIPPOS PROVIDE MEDICAL SCIENTIST TRAINING PROGRAM SCHOLARSHIPS

Fred Sanfilippo, PhD’75, MD’76, HS’76-’79, and his wife Janet, WC’72, MBA’80, made a $100,000 gift to the Fred and Janet Sanfilippo Scholarship Fund, which they established in 2013 to support medical students.

Thanks to this additional contribution, which brings their total gifts to the fund to $250,000, the purpose of the fund will now change and support students in the Medical Scientist Training Program (MSTP), Duke University School of Medicine’s MD/PhD program. The Sanfilippos also made a $1 million bequest commitment for the program.

“The Duke MSTP is a great program, says Fred, who is a graduate of the program. “It helped me understand and appreciate the relationship between the research, clinical, and educational aspects of medicine. Most importantly, it trains the next generation of physician-scientists—educators whose innovations help improve the health of people around the world.”

Thank you Fred and Janet Sanfilippo!
$100,000 for the Fred and Janet Sanfilippo Scholarship Fund.

EISENSTEIN GIFT SUPPORTS ALZHEIMER’S RESEARCH

Stephen Eisenstein, a Duke Parents Advisory Council’s class co-chair, and, his wife Lisa, made a generous gift to support Alzheimer’s disease research at Duke.

The gift allows Richard O’Brien, MD, PhD, chair of the Department of Neurology, to better understand how age and genes called APOE genes interact and lead to brain disorders. APOE is involved in lipid transport in the brain. O’Brien found that a variant of the gene APOE4 causes significant premature aging of the brain. Age and APOE genes are the two biggest risk factors for Alzheimer’s disease, and studying how they correlate can provide a key insight in understanding the Development of Alzheimer’s disease.

Thank you Stephen Eisenstein!
RECENT AWARDS AND HONORS RECEIVED BY SCHOOL OF MEDICINE FACULTY

Alpha Omega Alpha Medical Honor Society
Kathryn Andolsek, MD, MPH, HS’76–’79
Raymond Barfield, MD, PhD
Peter Fecchi, MD’07, PhD’07
Scott Palmer, MD’93, HS’93–’99, MBA’00
Ann Reed, MD
William Steinbach, MD, HS’01–’04

American Academy of Arts and Sciences
Chancellor Eugene Washington, MD, MSc

American Association for the Advancement of Science Fellows
Bruce R. Donald, PhD
Christopher Kontos, MD, HS’93–’97
Cynthia M. Kuhn, PhD’76
Jane Pendergast, PhD
John Rawis, PhD
Rochelle Schwartz-Bloom, PhD
Beth Sullivan, PhD
Joe Brice Weinberg, MD

American Association of Medical Colleges Group on Resident Affairs
Kathryn Andolsek, MD, MPH, HS’76–’79

American Society for Clinical Investigation
John Alexander, MD, MHS, HS’96–’00
Nicole Calakos, MD, PhD
Rasheed Gbadegesin, MD, MBBS
Manesh Patel, MD
Sallie Perrin, MD, PhD
John Sampson, MD, PhD
Stefanie Sarantonopolou, MD, PhD
Dorothy Sipkins, MD, PhD

Association of American Physicians
Allan Kirk, MD’87, PhD’92, HS’95
David Kirsch, MD, PhD

Howard Hughes Medical Institute Faculty Scholar
Michel Bagnat, PhD

National Academy of Inventors
Barton Haynes, MD, HS’73–’75
Bob Lefkowitz, MD

National Academy of Science Fellows
Allan Kirk, MD’87, PhD’92, HS’95
Donald McDonnell, PhD
Robert Califf, T’73, MD’78, HS’78, ’80–’83

National Academy of Sciences
Michael Kastan, MD, PhD

National Cancer Institute Outstanding Investigator
David Kirsch, MD, PhD

North Carolina Award
Paul Modrich, PhD

Presidential Early Career Science and Engineering Award
Kafui Dzirasa, PhD’07, MD’09

Robert R. Ruffalo Career Achievement Award in Pharmacology
Donald McDonnell, PhD

Science News 10 Scientists to Watch
Lawrence David, PhD

Society of General Internal Medicine Mid-Career Research and Mentoring Award
Ebony Bouware, MD’95, MPH

Time’s 100 Most Influential
Shelly Hwang, MD

RECENT AWARDS AND HONORS RECEIVED BY SCHOOL OF NURSING FACULTY

American Academy of Nurse Practitioners Fellow
Anne Derouin, DNP, RN, CPNP

American Academy of Health Behavior Board of Directors
Leigh Ann Simmons, PhD, MFT

American Journal of Nursing Book of the Year Award
Dean Marion E. Broome, PhD, RN, FAAN, First Place, Information Technology and Social Media
Marilyn Hockenberry, PhD, RN, PNP-BC, FAAN, Third Place, Child Health

Commission on Graduates of Foreign Nursing Schools International Education Committee
Dean Marion E. Broome, PhD, RN, FAAN

Eastern Nursing Research Society Nursing Research Authorship Award
Debra Brandon, PhD, RN, CCNS, FAAN

Oncology Nursing Society
Susan Schneider, PhD, RN, AOCN, FAAN, President

Sigma Theta Tau Nurse Researcher Hall of Fame
Marilyn Hockenberry, PhD, RN, PNP-BC, FAAN

Southern Nursing Research Society Board of Directors
Tracey Yap, PhD, RN, CNE, WCC, FAAN

FACULTY MEMBERS APPOINTED TO ENDOWED PROFESSORSHIPS
James Abbruzzese, MD
Charles Johnson, MD
Professor of Medicine
David Kirsch, MD, PhD
University Professor
Stuart Knechtle, MD, HS’82–’89
Mary and Deryl Hart Professor of Surgery
Peter K. Smith, MD’77
Mary and Deryl Hart Professor of Surgery

UPDATE: AWARDS AND HONORS

18 UPDATE: Duke Forward Progress Winter 2017

Oncology Nursing Society
Susan Schneider, PhD, RN, AOCN, FAAN, President

Sigma Theta Tau Nurse Researcher Hall of Fame
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UPDATE: AWARDS AND HONORS

18 UPDATE: Duke Forward Progress Winter 2017
In September, Kathy and David Trice funded the fourth annual Medical Mystery Dinner hosted by Raphael Valdivia, PhD, vice dean for basic science, at the Washington Duke Inn. The event brought together 23 research scientists and clinicians representing 12 departments from across Duke to discuss neurodegenerative diseases. The Trices recently learned that two Holland Trice Scholars, Cagla Eroglu, PhD, associate professor of cell biology and neurobiology, and Dennis Thiele, PhD, a George Barth Geller Professor of Pharmacology and Cancer Biology, had a manuscript accepted for publication in *Nature Communications*. The manuscript outlines a potential pathway for therapeutic intervention in Huntington’s disease.

**MEDICAL MYSTERY GATHERING** In September, Kathy and David Trice funded the fourth annual Medical Mystery Dinner hosted by Raphael Valdivia, PhD, vice dean for basic science, at the Washington Duke Inn. The event brought together 23 research scientists and clinicians representing 12 departments from across Duke to discuss neurodegenerative diseases. The Trices recently learned that two Holland Trice Scholars, Cagla Eroglu, PhD, associate professor of cell biology and neurobiology, and Dennis Thiele, PhD, a George Barth Geller Professor of Pharmacology and Cancer Biology, had a manuscript accepted for publication in *Nature Communications*. The manuscript outlines a potential pathway for therapeutic intervention in Huntington’s disease.

**PhD 10th ANNIVERSARY** Dean Marion Broome, PhD, RN, FAAN and Debra Brandon, PhD, RN, CCNS, FAAN talk with PhD alumna Heather Smith at the 10th anniversary of the Duke University School of Nursing PhD program.

**QUAD NAMED TO HONOR NANALINE DUKE** Members of the Duke family and trustees of The Duke Endowment were on campus in March of 2016 to celebrate the naming of the Nanaline H. Duke Quad. The oval-shaped quad serves as a walkway to the surrounding Duke Clinic, Duke Cancer Center, and Duke Medicine Pavilion buildings. Above, Mary Trent Jones, the daughter of the late Mary Duke Biddle Trent Semans, joins Chancellor Eugene Washington, MD, MSc, in unveiling the plaque commemorating the naming of the quad.

**RAISING HOPE FOR DUKE CHILDREN’S** Emmy-nominated basketball analyst and former Duke basketball standout Jay Bilas, T’86, L’92, was the keynote speaker at the 2016 Duke Children’s Gala in October 2016. More than 350 guests attended and helped raise over $130,000 to support research, education, and patient care at Duke Children’s.

**CELEBRATING SCHOLARSHIPS AND FELLOWSHIPS** Eddie Hoover, MD’69, HS’69–’71, talks with students during the Scholarship and Fellowship Dinner celebration in April 2016.
CHANCELLOR’S GALA CELEBRATES RESEARCH, EDUCATION, PATIENT CARE, AND GLOBAL AND COMMUNITY HEALTH
Chancellor Eugene Washington, MD, MSc, far left, poses with the family of Shania Robinson, far right, who was the first to receive a pediatric double-organ transplant at Duke. Shania was featured in a video that was played at the Gala.

AWARDS HONOR FACULTY AND ALUMNI
2016 Medical Alumni Association Awards were presented by Dean Nancy Andrews, MD, PhD (center), to, from left, Howard Rockman, MD, Distinguished Faculty; Kafui Dzirasa, PhD’07, MD’09, Early Career Achievement; Juan Batlle, T’75, MD’79, HS’80, Humanitarian; Audrey Odom, T’96, PhD’02, MD’03, Early Career Achievement; Robert J. Margolis, MD’71, HS’70-’72, Distinguished Alumnus; and Christopher Newgard, T’78, PhD, Distinguished Faculty.

MEDICAL ALUMNI WEEKEND 2016
Duke medical alumni, students, and faculty enjoyed reuniting during Medical Alumni Weekend 2016, which included the Davison Club Celebration, Medical Alumni Association Awards Ceremony, and other social and educational events, including the Duke-UNC basketball game. (Duke won!)
DUKE HEALTH PARTNERS WITH COMMUNITY THROUGH TROSA

Duke Health, along with other leading Durham community organizations, has been a partner to TROSA (Triangle Residential Options for Substance Abusers), in a new TROSA Care Center that will consolidate all of TROSA’s health-related services under one roof. Above, from left, Chuck Wilson, CT Wilson Construction; Greg Britz, chair, TROSA Board of Directors; Catherine Gilliss, PhD, RN, FAAN, chair, TROSA Comprehensive Care Center Campaign Committee and former dean of Duke University School of Nursing; Kim Blair, director for Community Relations at Blue Cross and Blue Shield of North Carolina; Chancellor Eugene Washington, MD, MSc; Peter Mehan, Care Center leadership supporter; and Kevin McDonald, founder, president, and CEO of Trosa, break ground on the new building. Chancellor Washington said that TROSA exemplifies the type of community partner Duke Health values, and that Duke looks forward to seeing its community partnerships grow and prosper.

SHINGLETON CELEBRATION BRINGS TOGETHER FRIENDS OF DUKE CANCER INSTITUTE

Duke Cancer Institute (DCI) celebrated the generosity and partnership of friends and donors at the Shingleton Society 30th Anniversary Luncheon and Awards Celebration in October 2016. From left, Sue White, chair, DCI Board of Advisors and representative to the Duke Medicine Board of Visitors; Bill Caler, member, DCI Board of Advisors, and Shelley Hwang, MD, chief of breast surgery at DCI, who was recently named one of Time’s Most Influential People for 2016. Hwang, one of the world’s foremost experts in early-stage breast cancers, was the keynote speaker.

NURSE ALUMNI REUNITE

Christine Siegler Pearson, BSN’84, far right, lead donor to the Pearson Building at Duke University School of Nursing, celebrates with classmates and friends at the 2016 School of Nursing reunion.
DECEMBER 2, 2016
PRESIDENT RICHARD H. BRODHEAD WELCOMES THE NEW PRESIDENT OF DUKE UNIVERSITY, VINCENT PRICE.