DukeMed

AlumniNews

FALL 2008

The Translators

MD/PhD Students Apply Science to Solve Real World Clinical Problems

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- An investment in tomorrow's leaders and scholars in medicine

SAMPLE DUKE ANNUITY RATES

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Age	*Rate*
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70	6.1%
75	6.7%
80	7.6%

MARRIED COUPLE	
Age	*Rate*
65/65	5.4%
70/70	5.6%
75/75	6.0%
80/80	6.6%

With your gift of cash or stocks, Duke will establish a charitable gift annuity in your name and pay you a lifetime annuity. Upon your passing, the remaining funds can support Duke's groundbreaking medical research, education for tomorrow's best doctors and nurses, or any area of Duke Medicine you choose. You qualify for a charitable tax deduction and avoid capital gains taxes.

For more information about how you can make a difference with a Duke Medicine charitable gift annuity, please contact Joseph W. Tynan, JD, director of gift and endowment planning for Duke Medicine at tynan002@mc.duke.edu, or 919-667-2506. Visit us on the Web at **dukemedicine.org/giving**.

DukeMedicine

From the Dean

I'm finishing my first year at Duke and thoroughly enjoying the experience of this storied place. My thanks to all the alumni who, with your words of welcome and encouragement, have made my transition so enjoyable.

From the time I arrived at Duke last fall, building a state-of-the-science medical education and student life center has been very high on my list of immediate priorities for the school. Because of the piecemeal way our campus has grown and evolved over the past 75 years, medical education at Duke has been without a permanent address. At one time, the Davison Building *was* the School of Medicine, an academic home for all our students and faculty. But with the success of our clinics, our faculty, and our innovative medical curriculum, we grew much bigger and our teachers, investigators, clinicians, students, and staff got scattered to many sites extending out to Erwin Road and beyond.

As new educational approaches have taken hold, many of our peer schools have built attractive new buildings devoted to the study of medicine. Coming from one of those schools, I was acutely aware that that had not happened at Duke, in spite of Duke's leadership in curriculum development. For all of these reasons, the faculty, students, administration, and I were absolutely delighted when The Duke Endowment announced earlier this year that they would provide a $35 million gift to support a new learning center. I strongly believe that a dedicated building with cutting-edge learning facilities and social gathering spaces will dramatically improve the sense of community experienced by our students and will enhance their interactions and collaborations with each other and with the faculty. We will share a sneak peek at our initial plans for this learning center at Medical Alumni Weekend 2008 in October.

Each day, I look out the windows of my office in Davison onto the main undergraduate arts and sciences quadrangle. In 10 minutes or less, I can walk to the Pratt School of Engineering, the Fuqua School of Business, the Law School, the Divinity School, the Nicholas School of the Environment & Earth Sciences and, of course, the School of Nursing. These proximities have really shaped the character of Duke Medicine. Because we're close to the other schools, and not miles away, we collaborate in many small and large ways. There are innumerable individual collaborations —for example, between engineers studying biosensors and clinicians thinking about uses for biosensors in patients, between chemists in Arts and Sciences who make novel imaging compounds and radiologists who want to use those compounds to see what's happening *in vivo* in disease, between medical historians and hospital ethicists, and so on.

This spirit of inquiry and collaboration is at the core of our Medical Scientist Training Program (MSTP). I hope that you will read Marty Fisher's article on page 11 about why our MD/PhD students feel that Duke is the right place to begin their physician-scientist careers. Our MSTP has a long and distinguished history—it was one of the very first programs of its kind to receive NIH funding. The landscape of biomedical research has changed dramatically since it was founded, and Duke's responsiveness to change has helped to keep the program strong. But there are always opportunities to make it even better. Supporting and expanding the MSTP is another of my priorities for the school.

There is no greater pleasure for a dean than to watch medical students develop their independent careers. Although the current students are, of course, only one year further along than when I arrived, meeting our alumni has given me a glimpse of the many exciting paths that begin with a Duke medical education. As always, Medical Alumni Weekend 2008 will be a celebration of you and what you have achieved. We will use the occasion to honor select alumni for their exceptional dedication to the school, and for their outstanding research, clinical, and teaching achievements. Please join us for this reunion weekend.

Sincerely,

Nancy C. Andrews, MD, PhD
Dean, Duke University School of Medicine
Vice Chancellor, Academic Affairs
Professor, Pediatrics
Professor, Pharmacology and Cancer Biology

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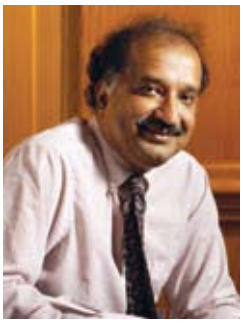
Kilowatt Hours Saved: **2189.2**
Greenhouse Gas Reduction: **4818 lb.**
Waste Water Reduction: **2015 gal.**
Solid Waste Reduction: **333 lb.**

Krishnan Named Dean of Duke-Singapore GMS



Ranga Krishnan, HS'81-'84, MB ChB, has been named dean of the Duke-National University of Singapore Graduate Medical School. He replaces interim dean **R. Sanders "Sandy" Williams, MD'74, HS'77-'80**, who will focus on his current role as senior vice chancellor for academic affairs at Duke University School of Medicine.

Duke-NUS welcomed its second class of graduate students in August. Krishnan believes that within one to two years, Duke-NUS will offer MD/PhD and research PhD programs.

"Methods of teaching and learning are very different today than they ever have been before," Krishnan says. "And building a modern medical education system that, from the start, includes all of the new tools, technologies, and strategies, can be a model for other medical schools."

Krishnan is an internationally renowned expert in treating depression and other brain disorders of the elderly. He will continue as the chair of the Department of Psychiatry at Duke University School of Medicine, working with a team of three vice chairs—executive vice chair **Marvin S. Swartz, MD, HS'81-'84**, clinical affairs; Richard S. Surwit, PhD, research; and **Dan G. Blazer II, MD, HS'73-'75, PhD**, education.

Duke Donates Supplies for China Earthquake Relief

The Duke University Health System donated a truckload of medical supplies to help hospitals and health centers in China in their ongoing efforts to treat earthquake victims.

The massive quake struck China's southern Sichuan province on May 12, killing nearly 70,000 and injuring almost 400,000 people.

The equipment and supplies, gathered through Duke's Global Health PLUS (Placement of Life-Changing Usable Surplus) program, included a portable operating table, anesthesia machines, patient monitors, dialysis machines, ECG monitors, exam tables, and thousands of isolation gowns, latex gloves, and face masks.

The outreach effort was coordinated through the Chinese Embassy in Washington, D.C., which provided Duke with a list of the most-needed medical supplies.

The Duke Global Health PLUS program makes surplus medical equipment and supplies from DUHS available to educational, research, and service projects overseas sponsored by Duke faculty members. In the past year, GH PLUS has coordinated the donation of materials to Duke faculty-led projects in Uganda and Haiti, and provided equipment for the Duke chapter of Engineering World Health.

Saying Thank You

Dear Duke Medical Alumni,
I received the incredible news that I was awarded a scholarship from the Medical Annual Fund/Davison Club Scholarship Fund. I wanted to express sincere gratitude for this investment in my education. This support is critical to my ability to attend Duke University School of Medicine. My family and I emigrated from Cuba to the United States in 1995, and I have worked very hard to make it to a respected place like Duke Medicine. A world class program like Duke's is very costly for many reasons, and it would be that much harder for me to attend such an institution if I did not have your support. I want to thank you again for this truly wonderful contribution. Hopefully one day I'll be a successful physician who will be able to contribute to his community as well as the financial aid fund of future Duke medical students.

Thank you,
Pavel Rodriguez, MSI

Dear Duke Medical Alumni,
I am fortunate enough to be a recipient of a medical alumni scholarship this year, and I cannot thank the alumni enough for their continued support.

Being from a middle class family, I have always been concerned about the high tuition of private institutions like Duke. However, with the medical alumni's support all these years, I will be graduating this year with an affordable amount of debt.

I wanted to share what I have accomplished over these past four years with your help.

1. I designed and implemented my own ALS epidemiology research project.
2. I have published two ALS papers, with another four papers in the works.
3. I presented my ALS research at three national meetings over the past year.
4. I have successfully earned my master of health science degree in clinical research from Duke, which will complement my MD degree with research skills.

Again, I cannot thank the medical alumni enough for their support, and I greatly appreciate everything they have done for me!

Sincerely,
Dan Pastula, MSIV

An Open Letter to Recipients of the Small Medical Scholarship
We have received thank you notes from each of the recipients of our scholarship over the years. I responded to some of you in the early years, but my answers were pleonastic as in essence I said that thanks should go to Duke and not me. Though I still work four days a week and lecture to retirees at a community college at least six times a season, I hope, at age 83 that this heartfelt but short-cut response will be acceptable to all past and future recipients.

In my last year at Duke my GI Bill expired, and I went to talk to Dr. Davison about dropping out so that I could work for the rest of the year to earn enough money to cover my tuition and other needs. Dr. Davison, with a dismissive wave of his hand said, "Forget it, it will be covered—you can go back to work here on your studies and continue your research after you graduate." I followed his instructions, completed the year actually finishing in April and went back to Boston to complete some of the things I was working on at Boston City until my internship started. Before entering Duke I had been to some 12 other universities, some at the behest of the Army and others of my own volition, but none of them provided the pleasure and support received nor the ethical grounding, caring, and wealth of information I gained while being at Duke. I determined to establish a scholarship fund for other needy students as my "thank you note" to Duke for all it meant to me. We were able to do this and became charter members of the Davison Club when it (both the club and our scholarship) was established.

It is to Duke that all your appreciation should be directed, and I would hope that all of you, if possible, will follow in the provision of help to future generations of students so that Duke can continue to encourage admission of the best, irrespective of their ability to cover the increasingly astronomic costs of a medical education.

With best wishes for success to you all and the hope that you will follow through for Duke's future, I remain,

Sincerely,
Melvin D. Small, MD'59, MPhil

Duke 8th Among Best U.S. Hospitals

For the 19th year in a row, Duke University Medical Center has been named as one of the top 10 U.S. hospitals in the annual *U.S.News & World Report*'s best hospital edition. Duke dropped one place from its 2006 and 2007 overall ranking to tie for eighth place overall with Brigham and Women's Hospital in Boston. Duke had seven top-10 rankings in the specialties measured.

Duke is the only hospital in North Carolina and the Southeast ranked in the top 10. The rankings for individual specialties are:

4	Gynecology
5	Geriatric Care
6	Urology (up from 9 last year)
7	Orthopedics
8	Heart & Heart Surgery
8	Ophthalmology
9	Respiratory Disorders
11	Cancer
12	Kidney Disease
12	Psychiatry
14	Rheumatology
15	Gastrointestinal Disorders
20	Ear, Nose, and Throat
20	Neurology & Neurosurgery (up from 23 last year)
21	Endocrinology (up from 26 last year)

Davison Club Selects Sarner as New President

Richard A. Sarner, T'79, MD'83, was recently named the new Davison Club president. During his two-year tenure, Sarner hopes to increase Davison Club participation among Duke's recent medical school graduates. He also plans to focus on increasing participation at the Davison fellow level. Davison fellows are Davison Club members who give $2,500 or more annually.

The Davison Club—which honors those who make unrestricted annual fund gifts of $1,000 or more, or $500 for recent graduates, to the Duke Medical Annual Fund—currently has 1,030 members. Gifts to the Davison Club support medical education, research, and patient care initiatives.

Sarner takes on the role of president as the Davison Club celebrates its 40th anniversary during the 2008-2009 fiscal year. Alumni established the Davison Club in 1969 to honor founding dean Wilburt Cornell Davison, MD.

"The Davison Club is a very prestigious, honorable organization with a lot of history and tradition," Sarner says. "It's very heartwarming to be able to give back to an institution that has given so much to me."

The chief medical officer for Medical Diagnostic Imaging in Jupiter, Fla., Sarner says he realized the importance of giving back to his alma mater early on and knows support from the Davison Club will help medical school graduates for years to come.

"Graduating from the School of Medicine was a defining moment in my professional career, in that it has afforded me incredible opportunities," he says. "[A Duke medical degree] really opens up many doors and opportunities for all Duke medical graduates."

In addition to his leadership position with the Davison Club, Sarner also serves on the Medical Alumni Council. He has been active in the planning of Duke Medicine's Palm Beach Forum, and for the past two years he and his wife Cheri have hosted a dinner party in their home in Jupiter for Duke faculty, alumni, and other Duke Medicine supporters. Last year the Sarners established the Dr. Richard A. and Cheri Sarner School of Medicine Scholarship Fund.

The Sarners have two children, Harrison, 17, and Arden, 14.

Stangle Tapped for New Development, Alumni Leadership Post

After a nearly yearlong national search, James R. Stangle, a former high-ranking development officer and administrator at the Mayo Clinic in Minnesota and Marquette University in Wisconsin, has been hired for the newly created position of executive director of Duke University School of Medicine Development and Alumni Affairs.

Stangle, 48, will begin in September. He will lead the effort to cultivate positive relationships between the School of Medicine, its alumni, and unaffiliated donors. He will provide strategic planning, management, and execution of fund raising in support of the School of Medicine, including the annual giving and reunion programs. In addition, Stangle will oversee the alumni relations program.

Michael J. Morsberger, vice president for Duke Medicine Development and Alumni Affairs, says Stangle was well worth the wait.

"Jim brings a wealth of experience in working with a range of stakeholders, from alumni and parents to grateful patients and faculty," says Morsberger. "All of these are invaluable in building relationships and philanthropic partnerships."

From 2003 until accepting the Duke position, Stangle was the highest-ranking field development officer at the Mayo Clinic in Rochester, Minn., focusing on a portfolio of 100 individuals rated with the ability to make seven-, eight-, or nine-figure gifts.

Prior to that position, he spent 18 years at Marquette University in Milwaukee, where he worked his way up to become assistant vice president for regions and major gifts.

Stangle says he's excited about taking the newly created position at Duke and putting the mechanisms in place to establish more long-term relationships, something, he says, Duke can improve upon.

"Leadership has made a commitment by providing the needed resources," he says. "Duke medical alumni are a loyal group, and I see many opportunities to involve them in the future of the School of Medicine."

Aside from Duke being a top-tier institution, Stangle says he was motivated to come here, in part, by the welcoming culture he experienced during the interview process.

"I've never felt so welcome in any other place that I worked," he says. "I don't know if this is the Duke culture, but it really had a lot to do with my decision."

Stangle received his bachelor's degree in business administration and mass communication at St. Ambrose University in Davenport, Iowa, and a master's degree in broadcast and electronic communication at Marquette.

He is single, and his hobbies include golf and running. He recently completed two marathons. But golf, he says, is his first choice of avocation, and he's looking forward to the longer golf season that the Southeast provides.

"If I could make a living playing golf, I would," he quips. "It's a passion."

MEDICAL ALUMNI WEEKEND 2008

October 23-26

HIGHLIGHTS

THURSDAY

Davison Club Celebration

The Davison Club will honor members during a cocktail buffet on Thursday at the historic American Tobacco Campus in the heart of downtown Durham.

FRIDAY

Entrée

During this invitation-only party, recent and soon-to-be graduates of the Duke University School of Medicine will be welcomed to their new relationship as alumni. Hosted by Dean Andrews, the Entrée Event Committee, the Medical Alumni Council, the Medical Annual Fund, and the Davison Club, this young alumni networking event will be held on Friday.

Medical Alumni Luncheon and Awards Presentation

The 2008 Medical Alumni Association Awardees will be honored at a luncheon on Friday. Read more on page 7.

Exploring Durham

Haven't been back to Durham in a while? You may be surprised to learn about the new restaurants, shops, and other additions to the Bull City in recent years. For ideas on what to do if you find yourself with free time during the weekend, check out the Durham Convention & Visitors Bureau's Web site at **durham-nc.com**.

Tomorrow's Medicine Today CME Forum

Moderated by Dean Nancy C. Andrews, MD, PhD, the forum will feature the following topics and speakers:

Andrews

Hogan

- **Stem Cell Discovery Research at Duke, Brigid Hogan, PhD**
  Hogan is a George Barth Geller Professor of Research in Molecular Biology and chair of the Department of Cell Biology.

Fitzpatrick

- **Innovative Approaches to Exploring Brain Circuit Function in Health and Disease, David A. Fitzpatrick, PhD'82**
  Fitzpatrick is a professor in the Department of Neurobiology and director of the Institute for Brain, Mind, Genes, and Behavior.

Newgard

- **Comprehensive Metabolic Analysis Sheds New Light on Chronic Human Diseases, Christopher B. Newgard, T'78, PhD**
  Newgard is the W. David and Sarah W. Stedman Professor of Nutrition and director of the Sarah Stedman Nutrition and Metabolism Center.

Winn

- **A Genetic Culprit in Kidney Disease, Michelle P. Winn, MD, HS'92-'99**
  Winn is an assistant professor in the Department of Medicine, Division of Nephrology at Duke.

Williams

- **Sneak Peek at Plans for the New School of Medicine Educational Facility, R. Sanders "Sandy" Williams, MD'74, HS'77-'80**
  Williams is the Richard and Pat Johnson Distinguished University Professor of Cardiovascular Genomics and senior vice chancellor for academic affairs.

(Forum approved for *AMA PRA Category I credit*™.)

MEDICAL ALUMNI WEEKEND 2008

October 23-26

HIGHLIGHTS

SATURDAY

Radiology Conference

Saturday, Oct. 25. Presentations include "Interesting Cases in Cardiac Imaging" by **Laura E. Heyneman, T'87, MD, HS'96-'97**, associate professor of radiology, and "Current Status of Radiation Safety" by **Donald P. Frush, MD'85, HS'87-'91**, professor of radiology (Approved for *AMA PRA Category I credit™*.)

Heyneman

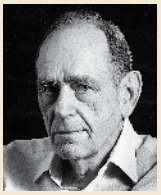
Frush

Surgery Breakfast and Discussion

Featured speaker, Michael M. Haglund, MD, PhD, associate professor of neurosurgery/neurobiology and surgical director of the Duke Epilepsy Center. Haglund, who traveled to Kampala, Uganda, last year as a part of Duke's Global Health PLUS (Placement of Life-Changing Usable Surplus) program, will present "Duke Global Surgery." (Approved for *AMA PRA Category I credit™*.)

SUNDAY

Stead Symposium



This year marks the 100th anniversary of the birth of Eugene A. Stead Jr., MD, chair emeritus of Duke's Department of Medicine and founder of the nation's first physician assistant program at Duke.

On Sunday, participants will take a closer look at six of Stead's seminal ideas on clinical education and examine how—and if—those ideas are still relevant in a medical world that has changed significantly since Stead's days at Duke. Topics will include "The Patient Is the Focus of Doctoring" by **Morton D. Bogdonoff, MD, HS'52, '53-'55**, professor of medicine at Weill Medical College of Cornell University, and "Gene Stead on 'Brain Sorting'" by **Galen S. Wagner, T'61, MD'65, HS'65-'70**, associate professor of medicine at Duke. Space is limited, but the symposium is open to all interested in Stead's ideas on clinical education.

To view the full 2008 Medical Alumni Weekend schedule or to register, please visit **medalum.duke.edu**.

WEEKEND TOURS

Tours offered on Friday and Saturday include the Duke Lemur Center, Duke University Hospital, the Human Simulation and Patient Safety Center, Duke Integrative Medicine, and the Nasher Museum of Art, featuring "El Greco to Velázquez: Art During the Reign of Philip III," the first exhibition to show both Spanish masters in context with other accomplished painters of their time.

Medical Alumni Awards

Augustus O. Grant, MD, PhD, HS'77-'80

Distinguished Faculty Award

Attracted to what he describes as "the most outstanding cardiac electrophysiology program in the world," Grant first came to Duke as a cardiology fellow in 1977. In the years since, he has been making his mark on the field of cardiology while breaking down barriers along the way.

A native of Jamaica, Grant has devoted much of his Duke career to the treatment of cardiac arrhythmias. In particular, his research has helped improve understanding of cardiac electrophysiology and the mechanism of action of anti-arrhythmic drugs. The first African American physician-scientist in Duke's Division of Cardiology, Grant has studied the inherited basis of cardiac arrhythmias and closely examined the factors that contribute to sudden cardiac death. According to the American Heart Association, about 166,200 adults in the United States die each year from sudden cardiac death before reaching a hospital or emergency room.

From 2003 to 2004, Grant served as president of the American Heart Association. Though his primary focus as president was to serve "as a voice for cardiovascular disease and move forward the prevention of cardiovascular disease and stroke," Grant believes his role as the association's first African American president will help pave the way for other minorities. "Having been president and being successful, it's much easier for others to follow," he says. In April the American Heart Association honored Grant with its Gold Heart Award for his continued distinguished service.

Grant is a fellow of both the American Heart Association Council on Cardiovascular Diseases and the American College of Cardiology, and he currently serves as deputy editor of the *Journal of Cardiovascular Electrophysiology* and as a consulting editor to the *American Journal of Physiology—Heart and Circulatory Physiology*. He also is an active member of the Biophysical Society and the American Society for Clinical Investigation. Grant served as president of the Association of Black Cardiologists from 1992 to 1994.

EDUCATION University of Edinburgh, Scotland; University of California, San Francisco

TRAINING University of California, San Francisco; Hahnemann Medical College; University of Manitoba, Winnipeg; Duke

CURRENT TITLES Vice Dean for Faculty Enrichment, Co-Director of the Duke Heart Station, Professor of Medicine

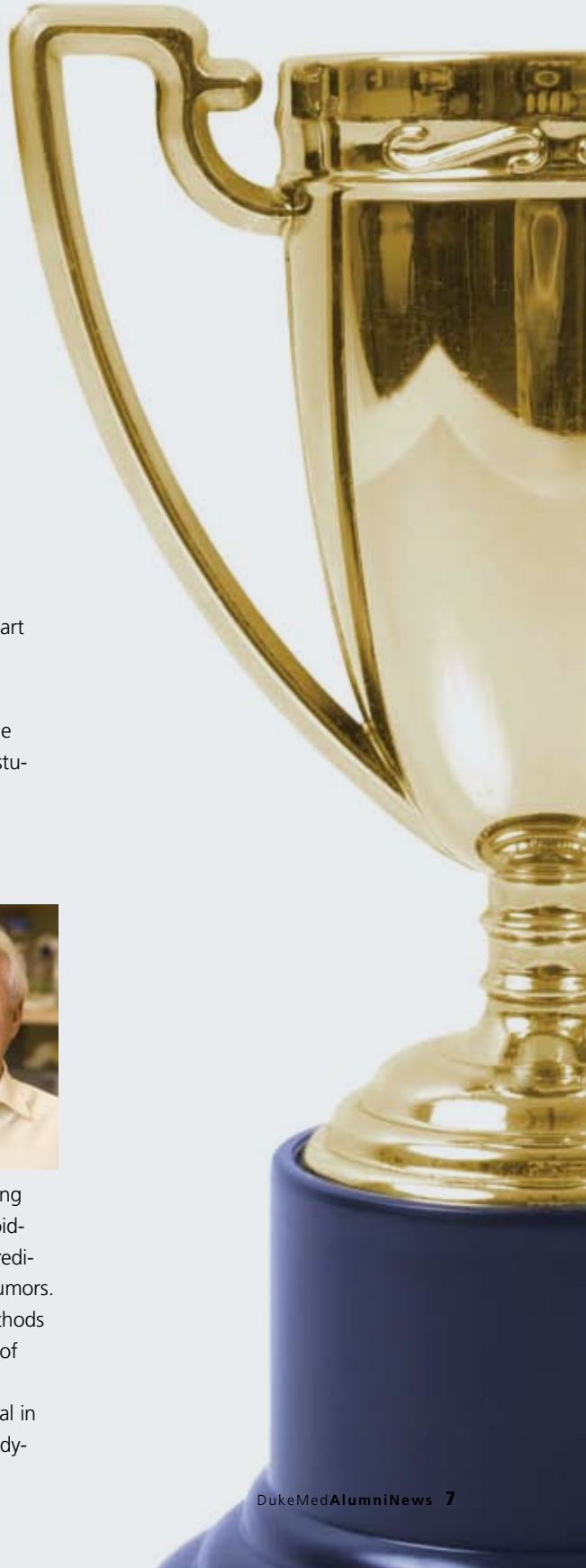
PERSONAL He and his wife of 35 years, Stephanie, live in Durham. They have one daughter, Siobhan Earlyn, who is a law student at the University of Miami.

Paul L. Modrich, PhD

Distinguished Faculty Award

A 2005 recipient of the American Cancer Society Medal of Honor for Basic Research, Modrich is known for his pioneering research showing how DNA mismatch repair systems work, and for linking biochemical defects in this mutation-avoidance pathway to a common form of hereditary colon cancer and certain sporadic tumors. His findings have directly influenced methods of identifying and treating several types of cancerous tumors.

DNA was shown to be genetic material in the early 1950s, and Modrich began study-



Medical Alumni Awards

ing it as a graduate student in the late '60s when little was known about the mechanisms responsible for its faithful transmission from generation to generation.

"It was a very exciting time," Modrich says. "I got interested in this problem as a graduate student and have exploited this interest for the rest of my life," he says with a chuckle.

Modrich joined the faculty of Duke's Department of Biochemistry in 1976 after two years as an assistant professor of chemistry at the University of California at Berkeley. In 1994 he was appointed investigator for the Howard Hughes Medical Institute at Duke.

Duke's Department of Biochemistry is special, he says, because of its supportive and collaborative environment. "I regard members of the department as extended family," he says.

Other recognitions include the Pfizer Award in Enzyme Chemistry, the General Motors Cancer Research Foundation Mott Prize, and the Robert J. and Claire Pasarow Foundation Award in Cancer Research. He is a member of the American Academy of Arts and Sciences, the Institute of Medicine, and the National Academy of Sciences. He holds seven U.S. patents for developing methods of analyzing and manipulating DNA using mismatch repair systems.

EDUCATION Massachusetts Institute of Technology, Stanford

TRAINING Harvard

CURRENT TITLE James B. Duke Professor of Biochemistry; Howard Hughes Medical Institute investigator

PERSONAL Married to Vickers Burdett, and lives in Chapel Hill. They have two children, Adam, 35, and Amy, 32.

Marilyn Jo Telen, MD, HS'80-'83

Distinguished Faculty Award

Telen is known internationally for her research on red cell membrane protein biochemistry and genetics, and for discovering the roles that blood group antigen proteins play in normal cell biology. Understanding these proteins and their antigens is critical to the fields of both blood transfusion medicine and hematology. In addition, she has built the Duke Comprehensive Sickle Cell Center into a world-class center for research and clinical care.

She was one of the earliest investigators to apply monoclonal antibody and recombinant protein technologies to the study of red cell membrane proteins and their functions. Her current work focuses on the role of red cell adhesion molecules in human diseases, especially sickle cell disease.

It was in medical school that she "really fell in love with red blood cells," she says. "I liked how changes in the appearance of the red cells reflected what was going on in the patient."

After a fellowship in hematology and immunohematology at Duke from 1980-83, Telen joined the Duke faculty in 1983 as an associate in medicine. She was named full professor in 1995 and was named chief of the Division of Hematology—just the second-ever female internal medicine division chief at Duke. She became director of the Duke Comprehensive Sickle Cell Center in 1996.

Early on at Duke, she says, "I had the chance to work with a lot of outstanding mentors and collaborators. It's important to have ideas, but you can't really accomplish them by yourself. At Duke, you have the people you need to develop your research."

In 1987 Telen chaired the Group on Lutheran-Related Antigens at the first international workshop on the topic in Paris, and chaired the third event as well in 1996. She is a past recipient of a National Institutes of Health Research Career Development Award and has held continuous external grant funding for her work since 1984.

EDUCATION Vassar College, New York University

TRAINING State University of New York at Buffalo, Duke

CURRENT TITLE The Wellcome Professor of Medicine, Chief of the Division of Hematology, Associate Professor of Pathology, Co-Director of Duke Hospital Transfusion Services, Director of the Duke Comprehensive Sickle Cell Center

PERSONAL She and her husband Dr. Henry A. Greene live in Durham. They have two sons, Sam, 31, and Ben, 26.

Lawrence J. D'Angelo, MD'73, MPH

Distinguished Alumnus Award

When D'Angelo encountered his first adolescent HIV patient in 1982, he suspected he was witnessing the beginning of what could become a worldwide epidemic. Though his worst fears did in fact become a reality, he has spent the past 26 years working to reduce the number of adolescents infected with the disease and is still hopeful about the future.

"I think we have plenty of tools available for us now to alter the epidemic," says D'Angelo, who is considered by many to be the father of

the field of adolescent and young adult medicine. "As our understanding of what puts teens at risk grows, we'll be able to reduce the likelihood they will get infected."

One of the first clinicians to recognize the possible impact of HIV infection on the country's adolescents, D'Angelo helped craft the National Institutes of Health's response to the epidemic. In 1992 the NIH recognized his efforts by awarding him the National Institute of Allergy and Infectious Diseases Special Award.

Twenty years ago he founded the Burgess Clinic for HIV-infected adolescents at Children's National Medical Center. In addition to his leadership positions at Children's National, D'Angelo is also the founder of MetroTeenAIDS, the largest community-based HIV prevention organization focused on adolescents in the United States.

D'Angelo has received more than $25 million in grants to study HIV infection in teenagers and young adults. His current research focuses on adolescent risk behavior, adherence to medication, and the natural history of HIV in teenagers.

An active member of the Society for Adolescent Medicine, D'Angelo was named the society's 2007 Adele Hoffman Visiting Professor. He also serves as a member of several other organizations, including the American College of Physicians, American College of Preventive Medicine, and the American Board of Internal Medicine. In 2000 he was elected to the American Pediatric Society. His Duke Medicine activities include serving as the 2003-2004 president of the Medical Alumni Association.

EDUCATION Harvard, Duke

TRAINING Georgetown University Hospital, U.S. Centers for Disease Control

CURRENT TITLES Chief of the Division of Adolescent and Young Adult Medicine, Director of HIV Services, Executive Director Emeritus of the Goldberg Center for Community Pediatric Health, Children's National Medical Center, Washington, D.C.; Professor of Pediatrics, Medicine, and Health Care Services, George Washington University School of Medicine; Professor of Prevention and Community Health and Epidemiology, George Washington University School of Public Health and Health Services

PERSONAL He and his wife Dee, a retired secondary school teacher and administrator, live in Bethesda, Md., and have two adult children.

David R. Piwnica-Worms, MD'82, PhD'83
Distinguished Alumnus Award

Piwnica-Worms admits he didn't have any "big, grandiose ideas" as a student in Duke's Medical Scientist Training Program, but now, more than 25 years later, his pioneering work in molecular imaging has transformed the field of radiology and is paving the way for new targeted drug therapies for cancer patients.

In the early 1990s, Piwnica-Worms and his colleagues at the Molecular Imaging Center at Washington University School of Medicine in St. Louis developed noninvasive techniques to observe protein function and gene expression in live cells in animals. Prior to molecular imaging it was difficult to study these proteins without removing them from the body. But now techniques such as bioluminescence imaging—where cancer cells are made to glow by linking them to the luciferase gene found in fireflies—have made it possible for scientists to observe tumor formation and proteins as they interact with drugs in the body.

"There's still so much we don't understand about cancer," Piwnica-Worms says. "These strategies are a way to look at new cancer targets that will become the drug targets of tomorrow."

Molecular imaging, which is now being used in medical centers all over the world, may be used in similar ways for neurological, cardiovascular, and other diseases.

In addition to establishing the Molecular Imaging Center, Piwnica-Worms also played an important role in building the Alvin J. Siteman Cancer Center at Washington University. His many awards and honors include receiving an Established Investigator Award from the American Heart Association. He was the first elected president of the Society for Molecular Imaging and in 2005 was honored with the society's Achievement Award. His involvement with the American Association for Cancer Research (AACR) includes organizing several national and international specialty meetings and serving on the editorial board for the association's journal, *Cancer Research*. He also serves on the Research Scholar Review Panel for the Radiological Society of North America.

EDUCATION Stanford, Duke

TRAINING Duke, Brigham and Women's Hospital, Harvard

CURRENT TITLES Professor of Radiology, Professor of Molecular Biology and Pharmacology, Director of the Molecular Imaging Center, Washington University School of Medicine in St. Louis

PERSONAL His wife **Helen Piwnica-Worms, PhD'84**, is a Howard Hughes Medical Institute investigator and professor of cell biology and physiology and internal medicine at Washington University. They live in Ladue, Mo., and have two children, Katie, a senior at Washington University, and William, a freshman at Duke.

Medical Alumni Awards

Tracey A. Rouault, MD'77, HS'77-'92

Distinguished Alumnus Award

Rouault's scientific stature in the field of iron metabolism and homeostasis in health and disease is significant, and she is internationally recognized as a giant in the field. She currently leads one of the top-tier iron metabolism labs in the world at the National Institutes of Health in Bethesda, Md. Iron deficiency affects nearly 2 billion people worldwide, and her research over the past 20-plus years has pointed to new ways to diagnose and treat diseases related to iron imbalance.

In the 1980s she broke open the field of mammalian iron regulation through her isolation of Iron Regulatory Proteins (IRP) 1 and 2 and the isolation of their RNA targets. More recently she has made the dramatic discovery of an unexpected neurological disorder in mice lacking the IRPs. Her discovery has important ramifications for many neurodegenerative diseases such as Parkinson's and Alzheimer's.

"I'm always aiming in my research to find something that will truly be applicable to human disease," she says, adding that this goal was inspired while she was a medical student at Duke and reinforced during her residency and rheumatology fellowship here. "Throughout my entire time at Duke, there was a lot of emphasis not just on diagnosis and treatment but on research and better treatment. They have created an atmosphere of striving for better."

Rouault has received numerous awards, including a Commendation Medal for Exemplary Performance of Duty and a Meritorious Service Medal from the U.S. Public Health Service. In 2006 she was elected to the American Association of Physicians, and last year she was selected as a National Institute of Child and Human Development Outstanding Woman of Science.

EDUCATION Yale, Duke

TRAINING Duke

CURRENT TITLE Head of the Molecular Medicine Program and Chief of the Section on Human Iron Metabolism for the National Institute of Child Health and Human Development at the National Institutes of Health in Bethesda, Md.

PERSONAL Married to **W. Marston Linehan, MD, HS'74-'82**. They have two daughters, Emily and Erin, and live in North Bethesda, Md.

Samuel L. Katz, MD

William G. Anlyan Lifetime Achievement Award

Katz's contributions to pediatric medicine are legendary. His landmark research in the 1960s led to the release of the measles vaccine, which has saved millions of lives worldwide. He also has made significant contributions to key studies of vaccines against polio, rubella, influenza, pertussis, and *Haemophilus influenzae* type B.

He has worked with the World Health Organization (WHO) and government and nonprofit organizations to provide measles vaccines across the world.

"In the 1960s the World Health Organization estimated that several million people died a year from measles. In 2006 it was down to about 250,000. That's still far too many, but I have a good feeling about the vaccine when I visit resource-poor countries," Katz says.

He came to Duke in 1968 as chair of the Department of Pediatrics. Over the next 22 years, he built it into one of the nation's best departments not associated with a freestanding children's hospital. He credits the nucleus of talented people onboard when he arrived and successful recruiting from places like Harvard. "What really attracted me to Duke was that you just walk out the door and can develop collaborations with people in engineering, psychology, law, history, and divinity. I took advantage of all of the good assets of Duke."

Katz currently serves on the Board of Scientific Counselors at the Coordinating Center of Infectious Diseases at the U.S. Centers for Disease Control and Prevention (CDC), as well as chairing the Polio Research Committee of both the CDC and WHO.

Katz's many awards include the 2006 Alfred I. duPont Award for Excellence in Children's Health Care, the 2007 Pollin Prize for Pediatric Research from Columbia University, the Howland Award of the American Pediatric Society, honorary doctorate degrees from Dartmouth College and Georgetown University, and the first Joseph St. Geme Jr. Award of the seven American Pediatric Societies.

EDUCATION Dartmouth, Harvard

TRAINING Beth Israel Deaconess Medical Center, Boston; Children's Hospital Boston; Massachusetts General Hospital, Boston

CURRENT TITLE Wilburt C. Davison Professor and Chair Emeritus of Pediatrics at Duke

PERSONAL Married to Catherine Wilfert-Katz—the scientific director of the Elizabeth Glaser Pediatric AIDS Foundation and Duke professor emerita of pediatrics and virology—and lives in Chapel Hill, N.C. He has three daughters and four sons from his first marriage, including **David Katz, T'78, MD'83**, and **John Katz, L'78**, as well as a stepdaughter **Rachel A. Wilfert, MD'01, HS'01-'02**.

The Translators

MD/PhD Students Apply Science to Solve Real-World Clinical Problems

When she was a Duke undergrad, **Carrie Johnson, T'01**, was a self-described aimless wanderer—a smart kid with many interests but no defined career path. Wearing a doctor's white coat was not her life's dream. And then at the end of her sophomore year her father was diagnosed with pancreatic cancer.

By Marty Fisher

Carrie Johnson

"He was 47, totally healthy, he never smoked or drank—it just came out of the blue," she says. Her father had surgery, but the cancer returned in only six weeks. He died within six months of being diagnosed.

Johnson struggled to deal with such a swift, devastating, and seemingly random loss. She wanted answers: how did this happen, and why weren't there better treatments?

She returned to Duke and began searching. She sent e-mails to medical center investigators asking for a volunteer position in a research lab, and by the second semester she was working in the cancer research lab of Dan Kenan, MD, PhD, in Duke's Department of Pathology. As she immersed herself in her work, Kenan encouraged her to pursue an MD/PhD.

"I didn't even realize I would be cut out for such a program," Johnson says. She was accepted at a number of MD/PhD programs across the country, and although she wanted a change, she fi-

nally chose Duke after an extensive analysis in which she used an Excel spreadsheet to track pros and cons.

"Duke just kept coming out on top," she says.

Now beginning her sixth year of Duke's Medical Scientist Training Program (MSTP), Johnson has hit upon a discovery that may have the potential to selectively kill brain cancer cells while sparing the surrounding normal tissue. She was lead author of a paper published in the *Proceedings of the National Academy of Sciences* in December 2007.

"We're pretty excited about the potential for clinical application," she says about the work she conducted in the lab of Sally Kornbluth, PhD, a professor of pharmacology and cancer biology and vice dean for basic sciences at Duke.

Clarence Findley

A Duke Tradition—Blending Research and Clinical Medicine

Duke's MSTP is one of the three oldest physician-scientist training programs in the country, and several features make it especially attractive to individuals like Johnson, who yearn to pursue research that they can translate into better care for patients.

Duke's medical curriculum is known for exposure to independent research and early contact with patients. Students spend the entire first year learning the basic foundation of medical science, and then year two is devoted to clinical rotations. Most medical schools cover the medical science foundations in two years and patient care in years three and four.

Johnson says the second-year clinical experience exposed her to some of the complexities of treating cancer, which helped shape her research project. Not only that, getting a taste of the clinical side helped propel her through some dark times during her research project.

"Graduate school is like riding a roller coaster—there are a lot more down swings than up swings," she says. "Most of the time research doesn't work. It's really nice to know that at the end of your graduate school training you'll be able to interact with patients again and bring both worlds back together."

All Duke medical students have the opportunity to conduct independent research during the third year, and many also pursue a second degree. For MSTP students, the third year is expanded into typically a four-year PhD project. Because the first year of graduate study also counts as the third year of medical school, the time to degree is shorter than most programs. MSTP students seek out a Duke faculty mentor, develop and test a hypothesis, publish and present their work, and finally, defend their PhD thesis in front of a faculty committee. When they receive clearance to graduate from the Duke University Graduate School, they can return to complete the fourth clinical elective year of medical school.

> "You can see how easily someone who sees patients can actually help to push science along, maybe a little further than someone who has just a very basic approach to science."
>
> Clarence Findley

"We originally called it 'remote palpation,' because doctors love to poke and prod...there's a lot of information to palpating something. This technology lets you palpate things below the skin surface."

Mark Palmeri

From Bench to Bedside and Back

Clarence Findley, who has successfully defended his thesis and is now back for his fourth year of medical school, intends to keep one foot firmly in the lab when he embarks on a career as an interventional cardiologist.

He found a Duke role model in **Christopher Kontos, MD, HS'93-'95**, associate professor of cardiology, whose basic science laboratory was investigating the role of the endothelial cell receptor protein, Tie2, in regulating angiogenesis—the process by which blood vessels sprout new vessels in order to navigate around vascular blockages, draw extra blood to feed a malignant tumor, or improve circulation to help heal a wound.

Findley applied the research to patients suffering from peripheral artery disease (PAD), a serious circulatory disorder that affects eight to 12 million Americans. Patients with the most severe form of the disease, known as critical limb ischemia, face a very high risk of amputations and death.

"Clarence really was the epitome of going from bench to bedside and back," says Kontos. "He took his work in the laboratory, applied it to patients, and took the insights gained from patients back into a cell culture model."

Findley is the lead author of a research paper published in July in the *Journal of the American College of Cardiology*, showing that patients who go on to develop critical limb ischemia have elevated levels of Tie2 in their blood. The discovery may allow doctors to identify at-risk patients for early intervention. Findley's research merited an editorial comment in the journal by John B. Cooke, MD, PhD, of Stanford University's Falk Cardiovascular Research Center.

"You can see how easily someone who sees patients can actually help to push science along, maybe a little further than someone who has just a very basic approach to science," says Findley. "At first, I simply wanted to know how the protein worked. Then it became I want to know how it works so I can manipulate it for therapeutic gain."

Engineering Solutions for Medicine

Mark Palmeri, E'00, PhD'05, MD'07, had completed an undergraduate degree in biomedical and electrical engineering at Duke before he decided to enroll in the Medical Scientist Training Program. During his second year of medical school he felt sorry for patients facing the expense and agony of undergoing test after test before receiving a diagnosis.

Mark Palmeri, MD, PhD

Turning 'Pac Men' Against Cancer Cells

Carrie Johnson works in a lab where students and post-docs spend their days popping frog eggs to learn about apoptosis, a process in which cells that sense they are in danger undergo elective suicide to protect the greater organism.

"We spin the eggs in a centrifuge at high speed to break them open…then when you spin them down they separate into various layers. We can isolate one of those layers, what we call the crude fraction, which contains all the major proteins in a cell. If you set that extract on a table top bench for four hours, the extract will spontaneously go into apoptosis, we think because it senses it doesn't have the nutrients it needs to survive."

At that point, a family of proteins called caspases become activated. "Caspases are these little sort of Pac Men in cells that go around and chew them up…we study the specific protein players in apoptosis and figure out how they interact."

When cells get the first impulse to kill themselves, they release a protein called cytochrome *c* into the cytosol. This binds to another protein called apaf-1, leading to the formation of the apoptosome, a large wheel-shaped structure that sends the Pac Men into action.

Johnson found that normal brain cells have almost no apaf-1, while brain cancer cells have plenty. Her thesis makes the case that cytochrome *c* could be used to activate apoptosis selectively in cancerous cells. Normal brain cells would not be harmed, because apaf-1 and cytochrome *c* can't get together to initiate cell suicide.

"Now the challenge is finding an agent small enough to pass through the cell membrane that would act just like cytochrome *c*, because the protein itself is too large," says Johnson. "It gets complicated pretty quickly, but we are hopeful that such an agent would have significant clinical potential in the treatment of brain tumors."

"Graduate school is like riding a roller coaster—there are a lot more down swings than up swings...It's really nice to know that at the end of your graduate school training you'll be able to interact with patients again and bring both worlds back together."

Carrie Johnson

"It's amazing to see how many tools are available to doctors, but there is still just this gauntlet that people go through," says Palmeri. "Having tests that hone in on a diagnosis in a faster, cheaper, more reliable way jumped out at me as one of those things that could make a big difference."

One example he noticed was liver biopsies. "This is a complex procedure, with big needles going into people; it takes a half day," says Palmeri. "I thought, wow, we can potentially use some of the new technologies being developed in engineering to get the same information in a more convenient way."

As an undergraduate, he had worked with **Kathryn Nightingale, E'89, PhD'97**, an assistant professor of biomedical engineering who developed a new ultrasound technology called acoustic radiation force imaging (ARFI). It's an ultrasonic imaging technology platform that uses stronger pulses applied for longer duration to actually push tissue. Software then analyzes and quantifies how the tissue deforms and recovers.

"We originally called it 'remote palpation,'" because doctors love to poke and prod, and even though they can't make a diagnosis based on touch, there's a lot of information to palpating something. This technology lets you palpate things below the skin surface," says Palmeri.

He returned to the Pratt School of Engineering at Duke for his PhD work to continue developing and refining the ARFI platform. During that time, he attended lectures and read medical journals to explore potential medical applications.

After graduating with his MD/PhD, Palmeri was hired as an assistant research professor in the School of Engineering. He wasted no time contacting physicians he met during medical school. He is currently working with Manal Abdelmalek, MD, in the Duke Liver Clinic to test ultrasound as a way to measure liver stiffness as a diagnostic tool for patients with non-alcoholic fatty liver disease.

He is also working with Stuart Grant, MD, and David MacLeod, MD, in regional anesthesia. He has demonstrated that ARFI can distinguish muscle tissue from nerve tissue, which could help improve the safety and accuracy of regional anesthesia. There are also potential applications in cardiology and colorectal, breast, liver, and prostate cancers.

"Mark is the poster boy for the future of Duke Medicine," says Grant, who is director of medical student education in the Department of Anesthesiology. "I was giving a lecture on

regional anesthesia, and he started asking me questions. Finally, I said 'What's your background?' And he said 'Well, I'm an engineer, and I'm finishing up medical school.' After that, he gave us a call and we talked extensively."

Palmeri says he chose Duke because it was one of very few places where a top engineering school existed in close proximity to a medical school and teaching hospital.

"The really neat thing about here is, we can develop everything in the lab, and then go up to the clinics and test it," he says. "I literally just sent them an e-mail and said, 'I want to talk to you guys about the research we're doing. I think we can help you.' The next week we were in the cadaver lab testing it, and then we tried it in people, and it worked. It's just an amazing turnaround."

Investing in Future Researchers

With the arrival of Dean Nancy C. Andrews, MD, PhD, many students look forward to continued growth and investment in Duke's MSTP program.

"The MSTP is very close to my heart, because I graduated from, and subsequently led, a very similar program at Harvard," says Andrews, who announced a commitment to expanding the MSTP soon after she arrived at Duke. "I want to encourage our MSTP students to be bold in their choice of research experiences. We need to provide ample opportunity for them to explore how best to knit together careers in medicine and investigation."

Although a significant portion of each student's tuition is covered by a National Institutes of Health Training Grant, more than half of the support for each MSTP student comes from Duke and the student's research mentor. Overall it costs about $500,000 to train each MD/PhD student.

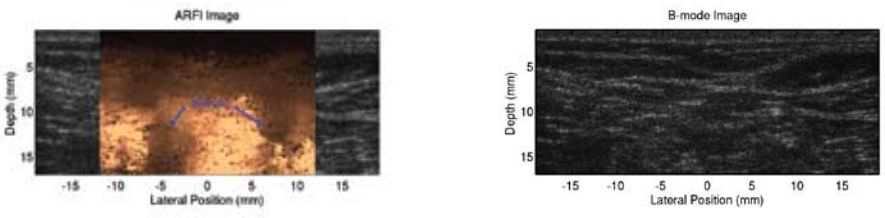
According to Dona Chikaraishi, PhD, the program's interim director, the NIH considers the amount of institutional investment in determining the number of training grants to award to individual medical schools. NIH funds also don't cover international students.

As NIH funding for research continues to decline, young MD/PhD faculty candidates have become increasingly attractive to academic research institutions. Because they finish with a well-established body of research, they are more likely to receive funding the first time they apply. In 2004 (the last year data were available), 47 percent of first-time NIH R01 grants were awarded to MD/PhDs, and 53 percent were awarded to MDs—but MD/PhDs made up only 3 percent of the total pool, so the success rates of MD/PhDs were quite a bit higher.

Kontos, who serves on the MSTP admissions committee, says that physician-scientists bring a broader understanding of how basic science fits into the clinical realm. "The best PhD scientists have that ability," he says. "But the standard PhD scientist may get lost in details without seeing how it fits into the bigger picture."

Jane Healy, another Duke MSTP student who is wrapping up her project investigating pancreatic beta cells to identify a risk factor for type II diabetes, says Duke's program was the only one in the country that offered clinical rotations before the PhD.

"I think it really drove home the importance of how relevant the research is," she says. "You have a much better idea how the research can impact the lives of patients."



Traditional B-mode and ARFI images of nerves in the lower leg. The two nerves are clearly delineated as stiffer (darker) circular structures in cross-section in the ARFI image relative to the adjacent muscle; their location is not readily apparent in the B-mode image. The improvement in nerve contrast is over 600% in the ARFI image.

On the Spot

What were the three most important factors that made you decide to come to Duke University School of Medicine?

Duke Med's innovative curriculum, cutting-edge research opportunities, and positive interactions with Dean Nancy Andrews were the deciding factors in my decision to attend Duke Med.

— Jordan Komisarow, T'07, MSI

Studying the sciences in one year rather than two, and letting us interact with patients sooner than in other med schools are key parts. On my interview and Second Look visits, I met highly successful, motivated, and modest people from the chancellor on down. To be ranked in the top five of all medical schools in the nation and to still be constantly trying to better themselves, but at the same time staying humble is something I didn't see at other medical schools I visited.

— KJ Hippensteel

I have a lot of family who live in the general vicinity of Durham, so I really know and love the area to some extent. Also, having been in Boston for the past five years, I'm looking forward to a winter without gale-force below-zero winds! Everyone in the admissions office and with whom I interviewed was so nice! The whole experience was just extremely comfortable. Also, it made a huge impression on me that Dr. Armstrong called me here at work to tell me that I had been accepted in advance of the letter. I've felt that the folks at Duke clearly have a personal interest in their students: I love the curriculum. It seems like it's really designed to get you into the clinical setting as soon as possible, but not without giving you a strong grounding in basic science. It's particularly suited for me, since I have a PhD and have the option to be fast-tracked, which I plan to do. Everyone here at Mass. General who went to Duke speaks so highly of it, and they are all really lovely, kind people, so I have to believe that they have the right of it.

— Kathryn Jones, PhD

It's evident that Duke has a very strong, warm, and caring community. At Second Look Weekend I met many of my fellow classmates, and I absolutely loved them! My Second Look host would not stop telling me all the wonderful reasons to come to Duke… she finally convinced me.

— Beryl Ojwang

I was really tired of the frigid New England winters and couldn't wait to throw away my snow boots. The flexibility in the curriculum during the third year is incredible. Furthermore, I am super excited about being in a hospital full-time in—wow—a year! Although the community members at almost all medical schools are incredibly nice, I felt most at home at Duke. I immediately bonded with not just my hosts and other students, but my fellow interviewees.

— Janhavi Athale

Duke's faculty is second to none. I've had the pleasure to personally get to know some of them. Apart from being blown away by their impressive resumes and knowledge, I'm even more impressed by their desire to help and get to know the medical students. I had always hoped to attend medical school in a big city where I would have the opportunity to work with medically underrepresented populations. Durham is not a big city, but within its growing diverse population, there are many groups of medically underrepresented communities which I will be able to work with. Finally, I never expected to receive so much aid for medical school. The financial aid grants as well as the scholarships available for the third year will allow me to graduate Duke Med with less debt than if I had attended any other medical school.

— Jorge Suarez

Deciding to come to Duke was one of the easiest yet more important decisions I have made in my life. Unlike other competitive schools, Duke University School of Medicine focuses on both academic brilliance and life experiences, while carefully considering how each has affected the other. Once accepted, I received two e-mails from Dr. Samuel Katz and from Dr. Barton Haynes. Dr. Katz assured me satisfactory financial assistance for the duration of my medical education, an uncommon assistance for international medical students. The second was an invitation to begin my life-long goals of finding a vaccine for AIDS in the laboratory of Dr. Haynes during my third year at Duke. Both these e-mails convinced me that I was going to a place where even the most highly respected people would genuinely care about my welfare. As an international student, selecting a school with a welcoming environment is just as important as choosing one for its academic excellence. Their friendly nature began from the interview process with Dr. Brenda Armstrong, Mr. Richard Wallace, and two first-year student hosts, Joslyn Wiley and Lina Elbadawi.

— Chikoti Mibenge

Snyderman Funds Childhood Obesity Fellowship

By Jim Rogalski

As an active 12-year-old, TeVon Ewing transitioned from sport to sport as naturally as birds and butterflies migrating with the seasons. Soccer, basketball, and baseball helped to keep the stocky pre-teen healthy and fit.

At 13, spurred by a significant growth spurt and insatiable appetite, TeVon gained 40 pounds and went from a slightly high body mass index of 24 (km/m2) to 33 (km/m2), which is obese even by adult standards. Barely into puberty, he's now facing major health problems. TeVon has had surgery on his right knee because of weight-related Blount's disease, and his left knee is scheduled for surgery in late July. He has high blood pressure and a pre-diabetic increased level of insulin.

"I was just eating a lot," says the effervescent teen with an infectious smile. "I like food."

TeVon is part of a worldwide sea of children dealing with obesity. The pandemic is so severe the World Health Organization calls it the most pressing health problem facing the world. Easy access to fast, fatty, and sugar-laden foods and more sedentary lifestyles is fueling the crisis. If not corrected, obese children face the potential for adulthoods filled with chronic illnesses such as heart disease, diabetes, and high blood pressure.

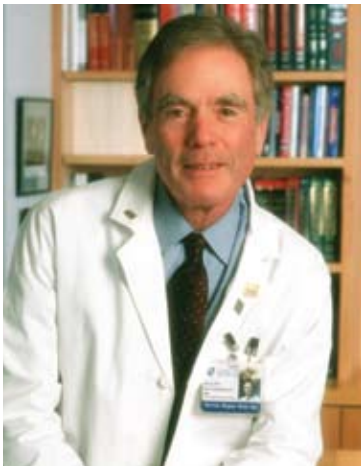
Luckily, TeVon's pediatrician ran interference and referred him to Duke Children's Healthy Lifestyle Program, where his entire family is educated and coached on a healthy lifestyle, and where his health is regularly monitored.

"We're offering him a lifestyle approach that is evidence-based and tailored to him as an individual," says Sarah Armstrong, MD, director of the program.

It is this progressive, individualized, and prospective approach to health that helped to inspire **Ralph Snyderman, MD, HS'65-'67**, Duke University chancellor emeritus and James B. Duke Professor of Medicine, to pledge $100,000 to the Duke Department of Pediatrics for a fellowship to study how best to battle the global epidemic of childhood obesity. The gift will be made through the Snyderman Foundation.

"With this fellowship we want to train a brilliant and committed individual to discover what works and doesn't work to prevent obesity in children of different backgrounds and metabolic inheritances," says Snyderman, "Fighting childhood obesity should be personalized and not a one-size-fits-all approach."

Armstrong (left) and a patient



Snyderman

Snyderman is a champion of prospective health—using predictive and targeted therapies based on an individual's predispositions including genetic background.

"The approach of health care today is largely focused on diseases that have already occurred," says Snyderman. "We need to be proactive and head diseases off before they occur."

Heading off diabetes, heart disease, and other weight-related health problems is exactly what Armstrong and her Healthy Lifestyles team is striving for with TeVon. She's educated TeVon and his parents about healthy lifestyle choices and the potential consequences of carrying obesity into adulthood.

In the six-plus months that TeVon has been in the program, his percentage of body fat has decreased 4 percent. He limits his television and computer time in favor of getting active. Changing his lifestyle is hard, he says, especially around his friends, who don't pay as close attention to what they eat. But the message of carrying obesity into adulthood seems to have resonated with him.

"I'd probably die earlier if I had a weight problem," he says.

The Duke fellow will be named by the end of the year and will be under the direction of Armstrong, associate professor Alex Kemper, MD, and Thomas Kinney, MD, associate chair for the Department of Pediatrics.

The fellow will be trained in the clinical management of overweight children and will be cross-trained by a cardiologist, endocrinologist, pulmonologist, nutritionist, and physical therapist. The fellow also will learn the fundamentals needed to conduct groundbreaking clinical research.

"No other medical training program provides the intensity of obesity-specific training in clinical investigation and clinical management," Armstrong says. "This fellow will develop expertise in managing the co-morbidities of obese children and how to apply research towards obesity prevention and treatment."

Snyderman and Armstrong say they want the fellowship to produce a world leader in the prevention and early intervention of childhood obesity. Currently, 16 percent of American children are obese, and in some parts of North Carolina that number is 30 percent.

"We are grateful to Dr. Snyderman and appreciate his vision in shaping this fellowship to focus strongly on prevention and prospective health around childhood obesity," Armstrong says.

In addition to this gift, Snyderman gave a $100,000 gift three years ago to help fund prospective health research at the Duke Clinical Research Institute (DCRI). Up to four DCRI researchers are selected each year to receive between $2,500 and $10,000 each to help fund their innovative work.

Water, Water Everywhere
Kirkland's Volunteer Efforts Provide Safe Water to World's Neediest

Putting together valves, pipes, and filters on an assembly line may not seem like an ideal place to be during retirement, but retired South Carolina urologist **Thomas Kirkland, MD'58**, says it fits him just fine. He knows at the end of that assembly line are water purification systems that will eventually provide clean, safe water to people in some of the word's most devastated regions.

Since stepping down from his faculty position at the Medical University of South Carolina in 2004, Kirkland has spent a few days each week volunteering with Water Missions International, a nonprofit Christian organization based in Charleston.

Founded in 1998, the organization relies on volunteers like Kirkland to assemble and test portable water systems at its Charleston facility. The water systems are then shipped to countries severely affected by water-related diseases. According to the World Health Organization, more than a billion people do not have access to safe water, and every day an estimated 4,500 children die from a lack of drinking water and sanitation.

Once the Water Missions purification systems reach their final destination, a team of volunteers is on hand to teach the local people how to use them. Each system is made up of four metal cages—two hold the water tanks, one holds the pump, and another holds the filter. The simple design allows volunteers to transport the systems to remote areas by truck, and any electrical source or generator can be used to operate them.

Thanks to the water systems, muddy creek water that once would bring about diarrheal, parasitic, and other water-related diseases can now be easily turned into safe, clean drinking water. Kirkland says each system provides fresh water for about 3,000 people and will last for years.

Though back problems have kept Kirkland from traveling abroad and meeting face to face with those whose lives have been

changed by the water systems, he says he still has an appreciation for what the clean water means to them. He spent a few weeks in Haiti during a medical mission trip many years ago.

"I know how devastating the lack of safe water can be," he says. "I saw this while I was in Haiti. People would get drinking water out of a stream, and sewage would be in that same stream. Life expectancy was terribly affected."

Kirkland hopes to be able to travel to Haiti with Water Missions later in the fall. Until then he says he just feels good knowing his work in Charleston is making a difference all around the world. His fellow volunteers share in his excitement and pride. Every time a shipment of 10 or 12 systems is loaded onto an 18-wheeler outside the facility, Kirkland and the other volunteers gather outside, form a circle around the truck, and join their hands in prayer.

"It's just the most wonderful feeling in the world," Kirkland says about watching the trucks drive away loaded with water systems. "We've taken these valves and screws and filters and put them together in such a way that it's going to be a blessing to someone, somewhere."

Water Missions has primarily worked to address the needs of countries long stricken by poverty and lack of resources, but natural disasters in recent years have increased the workload of all the volunteers, both in Charleston and abroad. "We really got a boost with the tsunami [in Southeast Asia] in 2004," Kirkland recalls. "There was a huge need for water to keep people alive."

Most recently Water Missions responded to disasters in China and Myanmar, sending the countries a total of 18 water systems. China was struck by a massive earthquake in May, and Myanmar was hit by a cyclone in the same month.

Water Missions doesn't always send its water systems to foreign lands. The organization provided relief to people in the United States after Hurricane Katrina struck the Gulf Coast in 2005.

Plans are now under way to begin a new Water Missions program in Honduras. "The project is aimed at assuring that every person in Honduras has access to safe water," Kirkland says.

Kirkland and his wife Patricia celebrated their 50th wedding anniversary in April. They have three daughters and nine grandchildren.

—Bernadette Gillis

1940s

R. Franklin Poole Jr., MD'47, HS'47-'49, '51-'52, is still working at a pediatric practice two mornings a week with his son James M. Poole, MD, in Raleigh where he lives with his wife **Harriet, WC'45**.

1950s

George O. Chase, T'47, MD'51, and his wife Ruth celebrated their 64th wedding anniversary in May. Their twin grandchildren, Sallie and Will Chase, graduated from Raleigh Charter High School in May as well. The twins' parents are George's son **Richard, T'76**, and his wife, Beth.

J. Graham "Skee" Smith Jr., T'47, MD'51, HS'54-'56, DC, was presented with a Lifetime Achievement Award by the Alabama Dermatological Society at its annual meeting in Sandestin, Fla. in June. He lives in Mobile, Ala.

Willy Evans, MD'53, as submitted by classmate Bruce Baer

Bruce L. Baer, MD'53, DC, has been twice widowed—first in 1999 and again in 2005. He has four daughters with his first wife Eleanor, and 12 grandchildren, the youngest of whom is in the fourth grade and the oldest in the last year of law school. He says he and his second wife, Anna, thoroughly enjoyed his 50th class reunion in 2003. Bauer submitted the attached photo of classmate **William "Willy" Evans Jr., MD'53**, "studying" in his medical dorm room. Baer lives in Baton Rouge, La.

J. Raymond Chittum, T'49, MD'53, says he and his wife Colleen are greatly enjoying retirement, and are very active with music. They play the folk harp with one group, the recorder with two other groups, and the mountain dulcimer with two other groups. He also enjoys painting landscapes and abstracts. They live in Rittman, Ohio.

▲**Samuel O. Sager, T'49, MD'53, DC**, and his wife **Anne, WC'49**, visited St. Petersburg, Russia, during a Baltic cruise in 2007. December 2008 will mark the 12th year of his retirement. He and Anne enjoy traveling and spending time with their three children and grandchildren.

Delford L. Stickel, T'49, MD'53, HS'53-'56, '57-'62, and his wife Ann moved into the Croasdaile Village Retirement Community in Durham last year. Together, he and Ann have three daughters and six grandchildren.

Anne R. Yobs, MD'53, and her husband Rudy celebrated their 55th wedding anniversary in August 2008. They live in Waynesboro, Va., and have two children, **Lew, T'80**, and Rachel, who both live on the West Coast.

Lucy Rawlings Freedy, MD'57, DC, will turn 80 in November and is still practicing radiology part-time. She and her husband **Robert J. Freedy, T'53**, live in Columbus, Ohio, and winter in Palm Harbor, Fla. They have three children, including **Barbara, G'91**.

Roger J. Berry, MD'58, and his wife Valerie have been living on the Isle of Man in the British Isles since 1997. He was the only medical member of the U.K. Ministry of Defense Nuclear Safety Committee until 2006. He enjoys being a trustee of Bishop Barrow's Charity and governor of King William's College since 2000. Since 2005 he has been an Honorary Aide-de-Camp to the Lieutenant Governor of the Isle of Man, a retired vice admiral with whom he served in the Royal Navy more than 30 years ago.

▲**Gould C. Garcia, MD'58**, submitted this photo of himself and some classmates from his days as a Duke University School of Medicine student. He and his wife **Nancy, N'59**, recently celebrated their 50th wedding anniversary. Pictured from left are Garcia; **Edward H. Laughlin, MD'58; Barry C. Harris, T'55, MD'58; Floyd "Larry" Wergeland Jr., MD'58;** and **J. Gregory Kuhns, MD'59**. Garcia has three grown daughters—**Katherine, T'82, G'84**, Mary, and Elizabeth—and lives in Emporia, Kan.

▲**Robert J. Brandt, MD'58, DC**, has been retired since 1995 and is enjoying life on the golf course, on cruise ships, and in casinos in Atlantic City and Mississippi. He and his wife Barbara (Liz) have three children and three grandchildren and live in Sunset Beach, N.C.

Robert J. Shofer, MD'58, HS'58-'59, DC, and his wife Cynthia moved to Huntington Beach, Calif., in 2004. He has been retired since 1996. He and his wife became pilots and traveled extensively in Mexico, the Caribbean, South and Central America, and the United States. For more than 10 years they flew with the Flying Samaritans, bringing medical care to isolated areas in Baja, Mexico. They have two grown sons—**Scott, MD, HS'04-'07**, who is a pulmonary medicine faculty member at Duke, and Joshua, who works in the insurance industry. They also have four grandchildren.

▲**David Enrique Garcia-Trias, MD'58, DC**, and his wife Maria celebrated their 50th wedding anniversary last November in a small hostel on the island of Nevis, West Indies. Their five children and nine grandchildren attended, and he says the celebration "lasted five

DC indicates Davison Club membership; DC Century indicates Davison Club Century membership; and DC Lifetime indicates Davison Club Lifetime membership

days and is definitely one of the most memorable moments in my life." Since 2003 Garcia-Trias has been in solo allergy-immunology practice 12 hours a week. The couple lives in Puerto Rico.

James D. Mallory Jr., MD'58, HS'58-'59, '63-'66, retired last year after serving 37 years as director of a Christian mental health clinic. He and his wife of 52 years, Betsy, live in Ashland City, Tenn., and have four children. Jim works in real estate, Roger works in nephrology, Deaver is a housewife, and John works for the Vanderbilt University School of Medicine.

William M. Satterwhite Jr., MD'58, HS'58-'59, DC, has been retired for 10 years and is thoroughly enjoying himself. He and his wife Phoebe have visited 40 countries. They have nine grandchildren from age 7 to 20 and enjoy taking them to their house on Lake Norman. Not wanting to be outdone by their grandkids, Satterwhite says he and Phoebe continue to water ski. He also is working three days a week at the local VA hospital, doing compensation and pension exams. In 2004 he was presented the Public Service Award from the American Academy of Otolaryngology Head and Neck Surgery. In 2000 he helped to found a free medical clinic in Winston-Salem, N.C., for people with no health insurance. He says it now logs 16,000 patient visits per year, making it the largest free medical clinic in North Carolina. The couple lives in Winston-Salem.

Charles P. Scheil, MD'58, DC, and his wife Frances spend three months out of the year in Melbourne, Fla. Retired since 1998, Scheil enjoys wood turning and design, fishing, traveling, and reading. He and Frances live in Lenoir, N.C., and have three children—**Carolyn, N'80**; **Charles, T'82, MD**; and Mark—and seven grandchildren.

Floyd L. Wergeland Jr., MD'58, plans to present an award to an outstanding graduating resident at Madison Army Medical Center in Tacoma, Wash., later this year. Named in honor of his father, Maj. Gen. Floyd L. Wergeland, the award was established 27 years ago. Retired since 2005, Wergeland spends most of his free time as a docent at the Chula Vista Nature College. He also serves as chairman of two Chula Vista Rotary Club committees. He lives in Bonita, Calif., and has two children and two grandchildren.

1960s

▲**Kenneth J. Kahn, MD'62, HS'62-'63**, and his wife Norma in February fulfilled their desire to spend time with an indigenous people by visiting a simple tourist facility in Alto Laguna, Costa Rica. Their accommodations had no electricity, screens, or doors—only hard benches to sit on, a thin sponge mattress to sleep on, and a toilet that was a 50-foot trek through mud. Their standard meal was beans and rice. They said it was everything they had hoped for. They hiked to waterfalls and through thickly canopied forests, and visited the small rustic school to which they donated notebooks, pencils, and rulers. The couple lives in Costa Rica.

Thomas K. Carlton Jr., MD'63, DC, retired from pediatrics in 2006 and says that he and his wife Mimi are thoroughly enjoying retirement and their 15 grandchildren—all of whom live in the Charlotte, N.C., area with their four children and respective spouses. He says he and Mimi are enjoying good health "other than some minor bumps, and hope all of our former classmates have likewise been so fortunate." They live in Salisbury, N.C.

Nancy R. Haslett, MD'63, DC, returned to New Orleans after having been evacuated during Hurricane Katrina and living in Baton Rouge for one and a half years. She's now working two and a half days a week in clinics. She lives in New Orleans with her partner Irene Love, PharmD.

Lewis B. Holmes, MD'63, the unit chief for genetics at Massachusetts General Hospital for Children and medical director of Partners Clinical Genetics at Massachusetts General Hospital, says he's looking forward to when he can transition to part-time. He enjoys teaching in clinical genetics and teratology. One of his clinical projects is a pregnancy registry to determine the fetal risks from exposure to anticonvulsant drugs. This has led him into work in global health where such registries might help to answer questions in developing countries. He and his wife Leslie have three sons—Lewis, Will, and Rob—and six grandchildren. They live in Wellesley, Mass.

William O. McMillan Jr., T'59, MD'63, HS'66-'68, DC, was named president of New Hanover Regional Medical Center Foundation's board of directors in October 2007. He was appointed by N.C. Gov. Mike Easley to the State Health Coordinating Council for 2007 to 2010. McMillan also serves on the boards of directors for Wilmington Health Access for Teens and Plantation Village, an independent living home. He and his wife **Frances, WC'59**, live in Wilmington, N.C. Two of their three sons graduated from Duke—**Owen, T'85, PhD**, and **Edward, T'86, MD'90**.

Karl J. Stumpf, T'59, MD'63, and his wife Beverly J. Kaiser will celebrate their daughter's wedding in San Diego, Calif., later this fall. Retired since 1999, Stumpf is a member of the board of directors for the county Red Cross in Quincy, Ill., where he lives. He is also involved with a local adult learning association and the Kiwanis.

William G. Liakos, MD'64, of Roswell, N.M., received the 2008 New Mexico Medical Society Community Service Award. He has practiced pediatrics in Roswell since 1968 and currently serves on the board for the Eastern New Mexico Medical Center. His son, **Billy, T'85, MD**, also lives in Roswell and is a physician at his practice. Billy is married to **Cymantha, T'85**.

Carl S. L. Eisenberg, MD'68, is serving on the American Academy of Pediatrics (AAP) Task Force on Foster Care. He previously served on the Chapter Forum Management Committee. He chairs the Wisconsin Medical Society's Council on Legislation and has been named the 2008 Pediatrician of the Year by the Wisconsin chapter of the AAP. Eisenberg lives in Milwaukee with his wife Susan, a retired childbirth educator.

▲**Lois T. Flaherty, MD'68**, and husband **John T. Flaherty, MD'67**, moved back to Philadelphia in June to retire and live near their two grandchildren. Lois is still somewhat involved in activities with professional psychiatric organizations and still working with the Center for School Mental Health at the University of Maryland and with the American Society for Adolescent Psychiatry. John

'Sir Richard' Honored for D-Day service, Outward-Bound Leadership

Eagle Scout status and Red Cross first-aid merit badges did little to prepare then-18-year-old U.S. Army hospital corpsman **Richard W. Borden, MD'53**, for the carnage he faced at Omaha Beach during the Allied invasion of Normandy on D-Day 1944.

"More than 1,800 Americans were killed in the first hour," Borden, 83, remembers somberly, "and when I landed, they were floating in the water and washing ashore." For 21 days he helped to treat the thousands of wounded American soldiers.

His memories of that time, he implies, are better left untapped—a feat aided by the fact that he's "a little decrepit and a little confused, and my memory is not as good as it once was."

In 2004, however, those memories vividly returned as he stepped back onto that famous beach as one of just 100 U.S. D-Day veterans invited to France to participate in the 60th anniversary commemoration of the war-altering epic battle.

In Paris he was knighted as "Sir Richard" into the French Legion of Honor by the defense minister of France. He says everyone he tried to tip while on the trip "refused when they knew who we [the hundred] were. We had brought France its freedom. They are still very grateful."

On the trip he was able to revisit the grave of his brother who was killed in action during the Battle of the Bulge, which stretched into France.

Borden pridefully hangs American and French flags at his Morehead City, N.C., home and says he's "still awed by the experience." He counts the knighthood as one of two of his most proud moments in his recent life.

The second happened this summer when North Carolina Outward Bound honored him for his "historic contributions made over 40 years" by naming a building after him and presenting him with a plaque, whose inscription, he says, "is a beautiful tribute."

In 1967 Borden was one of the first members of the nascent board of directors, and charged with finding a location for the outdoor adventure camp that serves both children and adults. He found it at Table Rock, N.C., where the school has been headquartered since.

Borden remained a board member until 1981 and still sponsors several children a year.

"As an accomplished naturalist I always was interested in the North Carolina environment," he says, "and helping students to enjoy the beauty of North Carolina."

The retired family physician and pediatrician was married three times, all ending in divorce. "I wasn't a very good husband," he says. "Medicine was what I was really wedded to."

He has six children and "more than a dozen grandchildren." He recently had quadruple heart bypass surgery.

—Jim Rogalski

Richard W. Borden meets French Defense Minister Michelle Alliot-Marie in 2004 after being knighted into the French Legion of Honor.

In Paris he was knighted as "Sir Richard" into the French Legion of Honor by the defense minister of France.

'Dancing Doc' Balances Pediatrics and Pirouettes

Michael W. Shannon, MD'78, HS'78-'79, a Children's Hospital Boston emergency physician, co-director of the hospital's Pediatric Environmental Health Center, and chief of one of the nation's few pediatric clinical pharmacology units, never misses a beat—at work or at play.

After he hangs up his white coat for the day, Shannon, 54, is likely to be found at a studio practicing plies and pirouettes for an upcoming dance performance. He's even been spotted in hospital elevators rehearsing his footwork, which is why he's been dubbed "the dancing doctor" by his colleagues.

Shannon has danced in dozens of different shows throughout the Boston area. He has standing gigs as Joseph in the production of *Black Nativity* and a part in *Urban Nutcracker*, an edgy, multiethnic version of the classic ballet *The Nutcracker*. He began dancing in high school and developed such a liking for it that he tangoed, waltzed, and quick-stepped all through college, medical school, and residency.

While at Duke, he performed in small productions on campus and in the community and studied at the American Dance Festival, which had recently moved to Duke from Connecticut.

Shannon is certain that his passion for *port de bras* and fondness of *fouettes* has made him a better doctor.

"I'm a stranger in the long white coat approaching a scared child for reasons they don't understand," Shannon says. "Dance helps me tremendously to be able to approach them, talk, and examine them. It's given me better eye contact, and I'm more at ease sitting on the floor, jumping up and down, or doing any other movement that will make a child more comfortable."

Initially torn between careers in dance and medicine, Shannon now balances the two with the dexterity of Baryshnikov performing a fourth position *arabesque*. He's excited about leading the children's hospital's recently launched pediatric clinical pharmacology unit.

"I'm building a new program from scratch," he says, adding that he wants the pharmacology unit "to grow and become a model for improving drug therapy in children. It bothers me that there has been so little attention paid to safe and rational drug therapy for kids."

Part of the problem, he says, is that calculating proper drug amounts for children involves much more than just reducing the dosage. Children's bodies respond differently and the long-term effects on growth and development need to be studied.

"A lot of parents, physicians, and the general public are unaware that 75 percent of the drugs we give children haven't been adequately tested [on children], which means we place these kids at risk," he says. "It's appalling."

Shannon is board-certified in pediatrics, emergency medicine, pediatric emergency medicine, and toxicology. He hopes to soon sit for boards in clinical pharmacology.

Shannon graduated from Washington University in St. Louis at age 20. (He was moved up two grades in elementary school.) He earned his medical degree at Duke in 1978, followed by a pediatric internship here. He then moved to Boston.

The thing is, when Shannon moved to Boston, it was not to take his first medical job—his intention was to become a full-time professional dancer, and he found work in four different dance troops.

"I loved Boston and the dance community," he says. "I even loved living hand to mouth. But in my second year there, I realized I missed taking care of children."

Boston City Hospital offered him a pediatric residency and eventually made him a chief resident. Shannon's co-chief resident was so supportive of his dancing passion that he carried Shannon's beeper whenever he had a performance.

Shannon then took a two-year fellowship at Children's Hospital Boston to study pediatric emergency medicine and pharmacology/toxicology. He joined the faculty there in 1987, and in 2004 became the first-ever African American professor of pediatrics at Harvard Medical School.

Getting married and having two children, combined with the demands of a successful medical career, certainly has slowed Shannon's dance career, but he says he has a good reason for keeping a foot in it.

"I'm just not happy if I'm not moving," he says.

Shannon, his wife Elaine, and their two children live in Brookline, Mass.

still does occasional consulting in pharmaceuticals. The couple has three children—Keith, **Mark, B'95**, and John. They are enjoying retirement by traveling, sailing, skiing, and gardening.

Thomas F. Henley, MD'68, HS'69-'73, DC Century, won a bronze medal in the discus throw at the 2007 Senior Olympics. He also won the bronze in 2003 and 2005, and in 2005 he was sixth place in the 50-meter backstroke. He and his wife Sandra live in Greensboro, N.C., and have three children. Tommy is a school counselor, Brian works in the bankruptcy division for BB&T, and Kristen is a salesperson for Triangle X-ray.

Ted R. Kunstling, T'65, MD'68, DC, is now chief medical officer at Duke Raleigh Hospital. Kunstling, who retired from full-time practice in December 2007, writes that he is enjoying his "encore career" as CMO because it offers new challenges and allows time for other interests. His wife **Frances, WC'65**, retired from the historical publication section of the N.C. Library and Archives and is now preparing for the wedding of their daughter **Claire, T'98**, in October.

Roger J. Porter, MD'68, DC, a part-time neurology consultant, recently received an honorary doctor of science degree from his undergraduate alma mater, Eckerd College in St. Petersburg, Fla. The college cited Porter's distinguished career, which includes 20 years at the National Institutes of Health, 10 years as a vice president at Wyeth Research, leadership as chairman of the White House committee on brain and behavioral sciences, past presidency of the American Epilepsy Society, and honors that include commendations from the U.S. Public Health Service and the Department of Defense. He lives in Devon, Pa., with his wife Candace.

Geoffrey K. Sherwood, MD'68, was named president of the medical staff at Faulkner Hospital in Boston in 2007. He and his wife Dorothea live in Waban, Mass.

John K. Crowe, MD'69, was named the 2008-09 president of the American Roentgen Ray Society (ARRS) during a ceremony at the AARS annual meeting in Washington, D.C., in April. Crowe founded and practices at Scottsdale Medical Imaging Ltd. in Scottsdale, Ariz. He has teaching appointments at Yale University and the University of Arizona. He currently is a trustee of the American Board of Radiology. He and his wife **Katherine, WC'67, L'69**, live in Phoenix. They have two children, Rebecca and John E.

1970s

▲**John F. Modlin, T'67, MD'71, HS'71**, has been appointed senior associate dean for Clinical Affairs at Dartmouth Medical School in Lebanon, N.H. He also serves as chair of the Department of Pediatrics, a position he has held since 1999 and will retain. His wife Sharyn is retiring this year from the Vermont Division of Children and Families. They have been married 25 years and have two children—Andrew, a junior at the University of Vermont, and Chelsea, a freshman at Carleton College. Modlin says he's building a summer home on Lake Michigan which will someday become home. "But not right away," he says. "I still derive too much enjoyment from program development and interaction with students, residents, and junior faculty to hang it up anytime soon." He lives in Norwich, Vt.

Craig M. Coulam, MD'73, PhD, and his wife Martha spend most of the year in their Nashville, Tenn., home but spend June through August in Whitefish, Mont. Retired since 2005, Coulam spends much of his time taking college-level courses in science and mathematics. He also enjoys doing Pilates, playing golf, and hiking in the Montana mountains. He and Martha have two children. Andrew is married with two children and practices law in Providence, R.I. Brian is a computer repair specialist in Nashville.

John W. Hallett Jr., MD'73, DC, received the 2007 Roper St. Francis Healthcare Foundation Physician Champion Award for outstanding service. He is also the author of the text book, *Comprehensive Vascular and Endovascular Surgery*. His wife **Linda S. Austin, T'73, MD'77**, is associate dean for communication development at the Medical University of South Carolina and professor of psychiatry. They live in Charleston, S.C.

Joanne A. P. Wilson, MD'73, was named one of the 2008 AGA Outstanding Women in Science by the Foundation of the American Gastroenterological Association. Earlier this year she was one of three panelists who shared inspirational stories during a "Tea with Trailblazers" event sponsored by Duke Medical Center Library. Her husband Ken is a professor in Duke's Division of Infectious Diseases. Their daughter **Nora, MD'09**, a Nanaline Duke Scholar, received the Rotary International Ambassador Scholarship for her work in Mali. She also spent her second-year elective working in obstetrical fistula repair in Niger. Their son **Court, T'04**, works in information technology part-time and has an interest in databases, Web design, and applications of chemistry and physics. Daughter Sarah, a Stanford graduate, works as a lab coordinator for post-traumatic stress disorder at the Durham Veterans Affairs Medical Center.

Michael A. Brownlee, MD'74, has been selected by the Juvenile Diabetes Research Foundation to receive the David Rumbough Award for Scientific Excellence. The award, established by actress Dina Merrill in honor of her son in 1974, recognizes researchers for their outstanding achievement and commitment to diabetes research. Brownlee also received the Medical Alumni Association's 2007 Distinguished Alumnus Award. He is the Anita and Jack Saltz Professor of Diabetes Research at Albert Einstein College of Medicine in New York.

Jerry S. Apple, T'74, MD'78, HS'78-'82, DC, was named *Philadelphia Magazine's* top doctor in radiology in 2008. He also received the honor in 2004, 2006, and 2007. He and his wife Janice, a speech pathologist, have three children. **Alexander, T'07**, is studying dentistry at Boston University Goldman School of Dental Medicine; Andrew, T'10, is a junior at Duke; and Emily is in the 10th grade. The family lives in Voorhees, N.J.

The Reverend William R. Bell Jr., MD'78, was ordained a priest in the Episcopal Church in May 2008. In addition to the usual duties of sacraments, preaching, and visiting the sick, he teaches religion/ethics to sixth, seventh, and eighth grad-

ers at Holy Nativity Episcopal School. He and his wife of 33 years, Katie, live in Panama City, Fla., and have three children. Mark teaches humanities at St. Paul School in Concord, N.H. Tim owns a business called Tim Bell Designs and lives in Saluda, N.C., with his wife and son. Lizzy is working on her PhD in developmental psychology at the University of Miami.

Henry H. Bible Jr., MD'78, has been retired since 2005 and says he's happily remarried and enjoying friends, family, travel, birding, biking, hiking, hunting, fishing, and golf. He and his wife Christine live in Colorado from October to May and in Minnesota the rest of the year.

Jodelle S. Groeneveld, MD'78, retired since 2000, traveled with a group to Ireland in August. She lives in Portage, Mich.

▲**G. Byron Hodge Jr., MD'78, HS'78-'79, '80-'83**, chief of urologic oncology at Lakeland Regional Cancer Center in Lakeland, Fla., has developed a minimally invasive cryosolution program in central Florida to treat tumors. In his free time he enjoys travelling with his wife Janet, and going on big-game hunts in Africa. They have three children and two grandchildren and live in Lakeland.

Randall C. Rickard, T'74, MD'78, in May completed participation in the national program of the American Academy of Family Practitioners titled "Transformed" regarding planning the future of family medicine. In 2007 the Middle Tennessee Medical Center named him the Clinician of the Year. He and his wife **Susan Toy Andrews, T'74**, have three children—**Dorsey, T'03, MD**, David, and Katie. The Rickards live in Murfreesboro, Tenn.

Celeste Robb-Nicholson, MD'78, works at an internal medicine practice in Boston. She also is associate chief of the Division of General Medicine at Massachusetts General Hospital and editor-in-chief of *Harvard Women's Health Watch*. She and her husband **Britain, MD'76**, live in Auburndale, Mass., and have four daughters. Two have completed college, and the other two are enrolled at Harvard University and Vassar College.

Margaret Thompson, MD'78, HS'82, retired in March from her OB-GYN practice in Austin, Texas, and now is embarking on a second career in law. She earned her law degree from the University of Texas Law School and now teaches, does research, and writes about health law and policy. She recently married Ron Johnson, a woman's track coach at the University of Texas. They live in Austin.

Pamela Wood, MD'78, who has spent the past 25 years in the Division of General Pediatrics at the University of Texas Health Science Center, San Antonio, currently teaches pediatric residents and conducts research in childhood asthma. Her husband **Jack, T'74, MD'78**, practices family medicine at Wesley Primary Care Center, a clinic for underserved patients in San Antonio. Outside of medicine she and Jack enjoy spending time with their two children and traveling. Pamela also leads a Bible study for middle school girls, and Jack is involved with Kairos, a prison ministry. Their son Charles is a fourth-year medical student at UT Southwestern Medical School in Dallas, Texas, and is applying for residency training in pediatrics. Their daughter Margaret, also a medical student at UT Southwestern, spent a month in Lesotho this summer with the Baylor pediatric AIDS program.

1980s

Katherine M. Bass, T'79, MD'83, of Towson, Md., was voted one of Baltimore's top doctors in the December 2007 issue of *Baltimore Magazine*. She and her husband **Eric, T'78, MD'83**, celebrated their 25th wedding anniversary in April.

John B. Buse, MD'83, PhD'85, of Chapel Hill, N.C., has been elected president for medicine and science of the American Diabetes Association. His wife **Laura Raftery, T'82, MD,** has completed her first year as an oncology fellow. Their daughter **Katherine, T'11**, had plans to spend the summer in Oxford, England. Daughter Caroline is a high school junior.

▲**Almond J. Drake III, MD'83**, and his wife Lori sent this photo of their six children—Jackie, A.J., Andrea, Mandy, JoJo, and Abbie. He received tenure in 2006 as a professor of medicine at East Carolina University's Brody School of Medicine, where he is chief of endocrinology. Lori started a small private school, that is now in its second year. The family lives in Farmville, N.C.

Karl B. Hiatt, MD'83, DC, has taken the leap from renting office space to building and running his own office as a licensed surgical facility in Mesa, Ariz. He says he likes being able to control his own schedule and can take care of his patients in a more pleasant environment. In his free time over the past two years, he helped his extended family build a log cabin. Hiatt and his wife Diana recently celebrated their 26th anniversary. They have four daughters and two sons, one of whom was married in March. They live in Mesa.

Mark S. Komrad, MD'83, was named one of Baltimore's top psychiatrists by *Baltimore Magazine*. His wife Kimberly is a Jewish cantor and opera singer. They live in Reisterstown, Md., with their son, Ilan, 11, who attends acting school.

Michelle M. Roberts, MD'83, an associate professor of medicine at the University of Pittsburgh specializing in endocrinology, diabetes, and metabolism, was named one of Pittsburgh's top doctors in 2007 and 2008. She and her husband David Oliver-Smith, MD, have two children—Jeff, 16, and Hayley, 12—and live in Sewickley, Pa.

Grace W. Rose, MD'83, along with a partner, started a practice, Neuse River Internal Medicine in Raleigh last year. The practice now has four providers. She and her husband Virgil Rose, MD, have two children—Madeline, 16, and Derek, 8.

Kathleen A. Sheerin, MD'83, HS'87-'90, is co-chair of the American Academy of Allergy, Asthma, and Immunology's public education task force for anaphylaxis. She has made several TV appearances, including on CNN Headline News to help educate the public about asthma. Sheerin practices at the Atlanta Allergy and Asthma Clinic in Georgia. In her spare time she takes piano lessons with her sons Harrison, 11, and Owen, 10. Both her sons are springboard divers who compete nationally, and Sheerin has learned to judge diving. She is married to **Mark D. Moncino, MD, HS'87-'90**. The family lives in Atlanta.

Daniel J. Dickinson, MD'85, MPH, has been selected to participate in the 2008-2009 class of the Medical Society of Virginia Foundation's Claude Moore Physician Leadership Institute. The institute helps

Virginia and William Kraus: Pioneering Newlyweds, Researchers

On their first day of medical school in 1979, **Virginia Kraus, MD'83, HS'83-'89, PhD'03**, and her husband **William "Bill," MD'83, HS'83-'88**, were introduced to classmates as the first-ever married couple admitted to Duke University School of Medicine.

Then-chair of Surgery David C. Sabiston Jr., MD—who was inclined to calling his students either "Miss" or "Mister"—was forced to alter his standard lexicon.

"It was funny to be singled out as 'Missus,'" Virginia says, "but he didn't seem to mind, and he didn't treat me any differently."

Turns out, the Krauses were only *sort of* the first-ever married couple admitted to the medical school. After they were introduced that day, a second couple—**Stephanie Wain, MD'83, HS'83-'86**, and **Ruben Kier, MD'83, HS'83-'87**— rose and stated they too were married. Because they had different last names, Wain and Kier were not so easily identified as being spouses. (See story about Ruben Kier on Page 26.)

In fact, the Krauses learned that having the same last name didn't guarantee they always would be pegged as husband and wife, even though they sat together during many classes, were on the same medical rotations with the same on-call schedule, and likely were seen occasionally giving each other a smooch.

"Some folks thought we were brother and sister," William chortles. "We had the same last name and the same complexion."

Love endured for both couples who remain married, and today the Krauses—the pioneering Duke newlyweds—are pioneering Duke researchers.

As an associate professor of medicine in the Division of Rheumatology and Immunology, Virginia is investigating why seven million Chinese are afflicted with a severe form of osteoarthritis associated with selenium deficiency. William is director of clinical research and associate professor in the Division of Cardiology and researching the health benefits of exercise.

Last fall Virginia traveled to China and in one day examined 125 people living in the same village, 70 of whom had the debilitating disease. She and collaborators from UNC and Cardiff, Wales, together with a fellow Chinese investigator collected copious samples and data. This fall, a graduate student of the Chinese researcher will join Virginia at Duke for further training and analysis of the study samples and data, along with copies of x-rays of the subjects taken when they were children.

The Krauses pose in 1980 in the lobby of Duke University Hospital. In 1979 they were one of two of the first married couples ever to be admitted to the School of Medicine.

"We'll do genetic analysis and study the x-rays to hopefully gain insight into osteoarthritis that could benefit Western countries as well," she says. She hopes her research will provide substantive discoveries by 2010—the end of the Bone and Joint Decade.

Bill, meanwhile, has been leading research projects for 10 years that are helping to define the parameters of exercise that provide the most health benefits. His findings last year—indicating that moderate-intensity exercise may sometimes be as or more beneficial than strenuous exercise, that longer aerobic duration appears better than shorter, and that aerobic exercise appears to offer more health benefits than resistance training—have been widely publicized.

The bottom line, Bill says, is that "inactivity is bad for you. Some exercise is better than none; more exercise is generally better than less; and most important of all, no exercise can be disastrous."

His findings will be included in the U.S. government exercise guidelines to be issued later this year as a complement to the food pyramid.

The Krauses have two children, Julia, a Duke senior studying public policy and theater, and Erik, 15, a junior at Durham Academy. The family lives in Hillsborough, N.C.

To watch a video on William Kraus' findings, visit youtube.com/watch?v=Wi4gbWY87_c

—Jim Rogalski

'Star Doctor' Captures the Heavens through Digital Imaging

On any clear night around the new moon, **Ruben Kier, MD'83, HS'83-'87**, can be found far away from the city lights, 1,500 feet up on a mountain in the Berkshires of Massachusetts, gazing at the stars.

After rolling back the roof of his observatory, located in the front yard of his family's vacation home, he spends hours working to create an exact replica of the celestial bodies he spots through the telescope lenses. Like an artist creating an oil painting, he zeros in on the details of his subject, trying to get just the right blend of reds, blues, and greens. But instead of brushes and paints, this digital artist's tools are a computer, a camera, and two telescopes.

Kier began creating digital images of heavenly bodies in his backyard five years ago, and since then several of his images have appeared in *Astronomy* and *Sky & Telescope* magazines. All together he has imaged more than 100 objects, mostly galaxies and nebulae, which are clouds of gases or dust.

"There are hundreds of nebulae, star clusters, and galaxies to image," Kier says. "Each is unique and a challenge to compose in their natural environment."

The process of capturing images of bodies located millions of light years away from Earth isn't as simple as the click of a camera.

A few years ago, Kier, who serves as director of musculoskeletal imaging at Advanced Radiology Consultants in Trumbull, Conn., learned that many of the techniques used in medical imaging could be adapted to astronomical imaging. So the radiologist-by-day purchased a digital camera commonly used by amateur astronomers and equipped it with the same medical imaging chips used in everyday radiology.

To take the photos, Kier connects his camera to a telescope and chills it to -30 degrees Celsius. The chilling is necessary because the chip inside the camera generates thermal noise, or thermal electrons, that can overshadow the light coming from the very dim galaxies and nebulae. By chilling the camera he reduces the thermal noise by 97 percent.

Kier then takes light exposures for up to five minutes at a time using a variety of filters. He also removes the remaining thermal noise by subtracting a dark frame, which is taken at the same temperature and duration as the light exposure.

The total exposure time can take between two and 10 hours. After loading the pictures onto a computer, he combines them all into one image. Because of the lengthy process, Kier is only able to produce about two images a month.

Kier's love for the stars came about after he got his first telescope at age 10. It was the height of the NASA space program, a time when many American children dreamed of space travel.

"When I was a child, the heroes were not actors or singers, but astronauts and scientists," he recalls. "I was not alone in this interest, as many of the kids in my neighborhood had their own small telescopes, and we would get together and observe."

He eventually put his love for astronomy aside to pursue medicine, but the astronomy bug never left him. Kier's interest was renewed when Comet Hale-Bopp passed Earth in 1997. "I got a

telescope and enjoyed exploring with my kids," he says.

Kier says it has been just as rewarding to share his hobby with others outside his family. Aside from being published in astronomy magazines, he also has a self-published book that features many of his images. He donated a few of the books to local charity auctions, raising $5,000 for a school and $800 for a halfway house for people with severe psychiatric disorders. He also speaks at local astronomy clubs and regional astronomy conferences.

Kier is married to **Stephanie L. Wain, MD'83, HS'83-'86**, chair of the Department of Pathology and Laboratory Medicine at Griffin Hospital in Derby, Conn. The couple, among the first married couples to be admitted to Duke University School of Medicine, has two daughters.

To view more of Kier's images, visit **stardoctor.org**.

—Bernadette Gillis

physicians strengthen their leadership abilities and gain the skills necessary to improve health care in Virginia. Dickinson is an internist with Eastern Shore Physicians and Surgeons, a multi-specialty group practice.

Donald Paul Frush, MD'85, HS'87-'91, was inducted as a Fellow in the American College of Radiology (ACR) during the 85th ACR Annual Meeting and Chapter Leadership conference in Washington, D.C. He is currently a professor of radiology and pediatrics at Duke and a fellow of the American Academy of Pediatrics.

▲**Anthony Lung-Tung Chen, MD'86, MPH**, has been selected by the Tacoma-Pierce County Board of Health in Tacoma, Wash., as the new director of the county's health department. If the appointment is confirmed by the Tacoma City Council and Pierce County Council, he will assume the position on Oct. 20. Chen previously served as medical director of community health and director of minority health in the Department of Family Medicine at Cambridge Health Alliance in Cambridge, Mass. He is currently a clinical professor at both Harvard Medical School and Tufts University School of Medicine.

Sydna G. Budnick, MD'88, recently returned to work after an eight-month medical leave for cancer treatment. She says she is gradually increasing her hours and her strength. Budnick is an OB-GYN with Northampton OB-GYN Woman Care in Northampton, Mass., where she lives with her husband Howard Bond and their two children Mina, 11, and Isaac, 7. Bond is a health administrator for the state of Massachusetts and has two older children as well—Jessica, 26, and Noah, 23.

Serena H. Chen, MD'88, was named one of *New Jersey Monthly's* top doctors in 2007. She received the American Fertility Association Family Building award in 2005. Chen has served as director of the Division of Reproductive Medicine at Saint Barnabas Medical Center since 2003. In her spare time she enjoys spending time with her two sons and practicing yoga. She writes that she recently survived her older son's bar mitzvah and is looking forward to the younger son's bar mitzvah next year. The family lives in New Jersey.

Molly M. Kramer, MD'88, HS'89-'92, has been in solo practice since 2003. She and Kim Gilham were married in 2004. They have two daughters, Meghan and Kendra.

Jeffrey H. Maki, MD'88, PhD'90, is associate professor and director of body MRI at the University of Washington's Puget Sound VA Health Care System. He lives in Seattle.

Thomas M. McLoughlin Jr., MD'88, has been chair of the Department of Anesthesiology at Lehigh Valley Hospital in Allentown, Pa., and associate chair of Penn State Hershey College of Medicine since 2001. He has served as an examiner with the American Board of Anesthesiology since 2000. He and his wife Rebecca have three children—Ryan, 17, Aiden, 13, and Keelin, 8. The family lives in Center Valley, Pa.

1990s

Sharon M. Strong, MD'93, and her husband Joon, celebrated the birth of their daughter, Jada Marie, on Feb. 22, 2008. The family lives in San Diego, Calif.

Christopher Cabell, MD'94, HS'94-'95, '99-'02, MHS'03, has been appointed chief medical and scientific officer for Quintiles Transnational in Research Triangle Park. In his new role, Cabell will be responsible for companywide initiatives that focus on bioethics and the protection of human subjects. Previously, Cabell was a global cardiovascular/endocrine therapeutic group leader within the medical and scientific services group at Quintiles. He also held appointments at the Duke Clinical Research Institute and in Duke's Division of Cardiology.

Doniel L. Jackson, T'93, MD'97, has accepted a position as vice president of Drug Safety with Worldwide Clinical Trials Inc., based in Beverly Hills, Calif. He will continue to be based in Philadelphia, where he lives with his wife Chris Saint Pierre. Jackson has published several articles in various journals on the topic of operational and regulatory aspects of drug safety and pharmacovigilance.

▲**Amie W. Hsia, MD'98**, is associate medical director for Washington Hospital Center in Washington, D.C. She is the principle investigator for an NIH-funded project called ASPIRE: The Acute Stroke Program of Interventions Addressing Racial and Ethnic Disparities. She will be unable to make it to Medical Alumni Weekend—she'll be on her honeymoon. In October she will marry Ben Harder, pictured above, the deputy health editor for *U.S.News and World Report*. They live in Washington, D.C.

Joanne J. Lager, MD'98, HS'02-'04, has spent the past two years working in oncology drug development at GlaxoSmith-Kline. Her husband **Patrick, PhD'06, MD'08, B'08**, earned MD and MBA degrees from Duke in May and had plans to start working for LabCorp in July. The couple lives in Efland, N.C., with their three-year-old son, Jack.

▲**Charles K. Smoak, E'94, MD'98**, and his family returned to his hometown of Charlotte, N.C. He has joined the Charlotte Pediatric Clinic in 2006 after spending five years as a pediatrician in Pittsburgh. He writes that he and his wife Beth are enjoying living closer to his parents and are "giving them as many babysitting opportunities as possible with our four children."

Nadeem U. Rahman, T'94, MD'99, was awarded the prestigious Robert Krane Prize in Urology in May. It is awarded to the author of the research paper considered to be the best for 2007. Rahman is a physician with Urology Associates in Phoenix, Ariz. He and his wife Kauser welcomed a son, Yousef, in March. The family lives in Scottsdale.

▲**Duncan P. Rougier-Chapman, T'89, MD'98, HS'98-'03**, competed at the World Triathlon Championships in Vancouver in

June in the 40-44 age group as a member of Team USA. It was scheduled as a 1.5-kilometer swim, 40-kilometer bike ride, and 10-kilometer run, but the swim portion was cancelled because of 8-foot swells and replaced with a 3-kilometer run. That was disappointing to Rougier-Chapman as he was recovering from a torn calf muscle and not able to run much in the previous two months. He finished 52nd in his age group—the middle of the pack—he says. About 100 countries competed. He has his sights set on the 2010 championships in Budapest, Hungary. Rougier-Chapman is a diagnostic radiologist at Wake Radiology in Raleigh, where he lives with his wife **Elissa, T'95, G'99**, and their three children—Conner, 7, Samantha, 5, and Graeme, 2.

▲**Betty C. Tong, MD'99, HS'05-'08**, has completed her cardiothoracic surgery residency at Duke and has joined the Duke faculty in the Division of Thoracic Surgery. In May she married Suhail K. Mithani, MD, a third-year medical resident in plastic and reconstructive surgery at Johns Hopkins Hospital. Tong lives in Durham.

2000s

Akash A. Patel, MD'01, is taking over the dermatology practice in Garland, Texas, where he has worked for three years. His current partner is retiring. Patel will hire a new associate in 2009. Patel also is a clinical instructor of dermatology at the UT Southwestern Medical School in Dallas. He also attends the general dermatology clinic at Parkland Hospital on Tuesday afternoons. Patel and his wife Khyati have two children—Eshan, 6 months, and Siya, 2—and live in Irving, Texas.

Kara B. Anthony, T'97, MD'03, was married in May to Anthony Mascitti. She recently started the final year of a fellowship in infectious diseases at University of Pennsylvania Hospital and hopes to eventually work in academic medicine in Philadelphia. She and her husband live in Souderton, Pa.

Kathleen E. Corey, MD'03, has finished a year as chief resident in the Department of Medicine at Massachusetts General Hospital in Boston and has returned to her gastroenterology fellowship. She and her husband David Brophy, a jazz drummer, live in Boston.

Heather M. Gillespie, MD'03, is an assistant professor of sports medicine at the University of California-Los Angeles and a team physician for UCLA athletics. She lives in Santa Monica, Calif.

Erica B. Johnstone, MD'03, HS'03-'07, MHS'07, is a reproductive endocrinology and infertility clinical fellow at the University of California, San Francisco Center for Reproductive Health. She and her husband Ryan have a daughter, Skye, and expected their second child in August. They live in San Francisco.

▲**Aaron S. Miller, T'99, MD'03**, and his wife Nanci welcomed daughter Rebecca last July. Miller currently is in his second year of a pediatric infectious disease fellowship at Washington University in St. Louis, where he is working in a basic science malaria laboratory investigating HIV protease inhibitors as anti-malarial drugs. The family lives in Maryland Heights, Mo.

▲**Bobbie J. Rimel, MD'03**, married Emily Lehrer in 2006. This January they welcomed their daughter Chara Cyan Lehrer. Rimel is a gynecological oncology fellow at Washington University School of Medicine in St. Louis, Mo. The family lives in St. Louis.

William A. Wood Jr., MD'03, DC, and his wife Kelly moved from Boston to Chapel Hill, N.C. He is currently a fellow in hematology and oncology at UNC Hospitals. His interests are in adolescent and young adult oncology, transplant, hematologic malignancies, and health services and outcomes research.

Harriett P. Burns, MD'04, recently completed her residency in internal medicine and pediatrics and is now one of the pediatric chief residents at UNC Hospitals for the 2008-09 year. She and her husband Walter "Woody" Burns III welcomed daughter Sara Rose in August 2007. The family lives in Chapel Hill, N.C.

Catherine C. Pizzi, G'05, MD'06, is starting her third year of pathology residency at the University of Washington in Seattle. She and her husband David live in Seattle and are expecting a baby in early November.

Sulene L. Chi, PhD'05, MD'07, has completed an internal medicine internship at Duke and has started her ophthalmology residency here. She says she's "getting used to North Carolina."

1970s

Roy S. Rogers III, MD, HS'69-'71, was made an honorary member of the American Academy of Dermatology (AAD) in 2007 and was recognized in 2008 by the International League of Dermatological Societies for international dermatology education. In 2004 he was recognized as a distinguished educator at the Mayo Clinic in Rochester, Minn., and in 2005 was selected to give the Everett C. Fox, MD, Lecture to the AAD and the Paul A. O'Leary Lecture at the Mayo Clinic. Rogers is a professor of dermatology at the Mayo Clinic and emeritus dean of the Mayo School of Health Sciences. He continues to practice and teach in Rochester, Minn., where he lives.

1980s

Jane A. Higgins, MD, HS'82-'85, a physician with Colorado State University's (CSU) Harthshorn Health Service, was awarded the 2008 Joseph Jabaily Public Health Hero Award from the Larimer County Department of Health and Environment. The award honors those who have contributed in an extraordinary way to public health in Larimer County. Higgins has been active in public health issues in the county for more than 20 years. She works with CSU administration and Larimer County public health officials in establishing disease prevention policies and advises CSU officials of infectious diseases on campus. She and her husband Dan Binkley have two sons, Paul and Will, and live in Fort Collins, Colo.

▲**Gregg P. Semenza, MD, PhD, HS'84-'86**, professor of pediatrics at Johns Hopkins School of Medicine, has been elected a member of the National Academy of Sciences. He will be inducted in April 2009 at the organization's 146th annual meeting in Washington, D.C. He is considered one of today's preeminent researchers on the molecular mechanisms of oxygen regulation and has led the field in uncovering how cells adapt to changing oxygen levels. He has authored more than 100 research articles and a number of book chapters. He lives in Reistertown, Md.

1990s

David C. Lyden, MD, PhD, HS'89-'92, has been named the Stavros S. Niarchos Associate Professor in Pediatric Cardiology at Weill Cornell Medical College, where he is also an investigator in the Division of Pediatric Hematology and Oncology and associate professor of cell and development biology. He lives in New York, N.Y.

Richard L. Duszak Jr., MD, FACR, HS'90-'94, has been named to the Current Procedural Terminology (CPT) Editorial Panel. The panel is composed of 17 members appointed by the American Medical Association Board and is responsible for maintaining the system codes which describe all physician services. CPT is used throughout the insurance industry as the basis for health care reimbursement. Duszak practices interventional radiology with Mid-South Imaging and Therapeutics in Memphis, Tenn., and is medical director of radiology at Baptist Memorial Hospital in DeSoto, Miss. He lives in Germantown, Tenn.

2000s

Jeffrey J. Meyer, MD, HS'04-'08, married Linda Gilliard in April on Hilton Head Island, S.C. Both are working at Duke—he as a radiation oncologist, she as a registered dietician in the oncology department.

To conserve resources, *DukeMed Alumni News* will now run full obituaries on the Medical Alumni Association Web site at **medalum.duke.edu**. Please click on the magazine cover, then click on obituaries.

Margaret H. Arky, MA'51, MD'55, DC, Chapel Hill, N.C., Aug. 19

Larry Barnes Sr., MD'74, Raleigh, N.C., June 1

James C. Brewer, MD'59, Greensboro, N.C., July 28

Howard C. Duckett Jr., T'41, MD'44, HS'47-'53, Jacksonville, Fla., Aug. 25

Arnold L. Field, MD'39, Baltimore, Md., and Fort Lauderdale, Fla., June 8

Sheldon Goldgeier, MD, HS'62-'64, Easton, Md., June 29

Brack G. Hattler, T'57, MD, HS'61-'69, PhD'72, Pittsburgh, Pa., July 31

W. Thomas Jay Jr., T'46, MD'48, DC, Sheldon, S.C., July 20

Paul Gustav Killenberg, MD, longtime leading member of the Duke medical faculty, July 23

Steven C. Malchow MD'94, HS'94-'99, Scottsdale, Ariz., May 8

Archibald Nock McIntosh, MD'44, Gaffney, S.C., July 4

Glenn E. Newman, T'69, MD'73, HS'72-'74, '76-'79, '83, DC Century, Hillsborough, N.C., July 24

William F. "Bill" Wheeler, MD'68, La Jolla, Calif., June 8

Kenneth T. Williams, T'48, MD'54, Anderson, S.C., July 3

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- Celebrate with the 2008 Medical Alumni Association Awardees
- Attend the CME Event, Tomorrow's Medicine Today
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'08

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