



DukeMed
AlumniNews

SUMMER 2011

TRAINING DOCTORS AS

change
agents

FOR COMMUNITY
AND PRIMARY CARE

Message from the Dean

A few weeks ago we celebrated the graduation of the Class of 2014 – the medical students who arrived at Duke just a few weeks before I did. It's hard to believe how quickly this school year, and these past 4 years, have gone by!

Our new Learning Center has already begun to transform our campus. Over the past few months the big, muddy hole has begun to sprout steel and concrete, with visible progress almost daily. Our alumni, faculty, students, and staff have been wonderful supporters in planning and fundraising for the Learning Center. We are particularly grate-

ful to one very generous alumnus, **Robert A. Hare, MD'35**, whose \$9 million estate gift to medical education has given our fundraising efforts a very important boost.

It has also been a transformational time for recruiting new leadership. Michael B. Kastan, MD, PhD, a nationally renowned scientist and thought-leader from St.

Jude Children's Research Hospital, will arrive in August to become the first executive director of the new Duke Cancer Institute. Donald McDonnell, PhD becomes chair of the Department of Pharmacology and Cancer Biology in July, and we are close to finishing two other important searches—for the first permanent chair of our new Department of Orthopaedic Surgery and for a new chair of the Department of Neurobiology. Also, Mike Landry, PhD, PT, will migrate south from Toronto in August to be head of the Doctor of Physical Therapy Program.

Each of these new leaders brings fresh ideas and great energy – it is a very exciting time.

One of my priorities has been to make our institutional culture more inclusive, and to ensure that we recruit faculty, students and staff from as diverse a pool as possible. I am very pleased that Judy Seidenstein will move from the Duke Office of Institutional Equity to the School of Medicine in August, to be our first Chief Diversity Officer. Judy brings rich experience with diversity issues from her past work in industry and academics, and I look forward to working closely with her.

One of the joys of my job is continuously learning about impressive new things that our faculty, students and alumni are doing in education, science, patient care, and community service. Clearly others are noticing too—Duke University School of Medicine rose from sixth to fifth place among research-oriented schools in the annual *U.S. News & World Report* survey.

I appreciate your continued support, and your pride in our school. I hope that you will make plans to join us on campus for Medical Alumni Weekend this fall.

With warm regards,



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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Duke rises to 5th in *U.S. News* rankings

Duke University School of Medicine moved up to fifth place for research, and its physician assistant program regained the top spot in the country in the most recent *U.S. News & World Report* rankings of the best graduate schools in America.

Last year Duke was tied for sixth place in research. This year it shares the number five spot with Stanford University, Yale University, and the University of California-San Francisco.

Duke also placed in the top 10 in geriatrics (fourth), internal medicine (fourth), women's health (fifth), AIDS (eighth), and family medicine (10th).

The Duke University School of Nursing tied for seventh overall—its highest ranking ever—and its pediatric nurse practitioner program was rated fifth, its adult nurse practitioner and gerontological nurse practitioner programs each were ranked 10th, and its nursing anesthesia program is tied for 11th.

The top four medical schools ahead of Duke in the rankings are Harvard University, the University of Pennsylvania, Johns Hopkins University, and Washington University in St. Louis.



Joslyn Wiley, MD'11, and Kemi Adeyeri, MD'11, (right) embrace after receiving the much-anticipated news about their matches.

Match Day puts grads on path to their chosen careers



The students displayed their Blue Devil/Tar Heel rivalry on a map where students marked where they were headed.

A rite of passage for all medical students, Match Day is typically filled with cries of joy, high fives, and lots of hugs. And this year's match, held on March 17, was no different for the 94 Duke medical school seniors who learned where they will spend their next few years of residency training.

The students, many sporting green "Kiss Me I Matched" T-shirts in observation of both Match Day and St. Patrick's Day, tore into blue envelopes around noon to learn their fate.

Once again, internal medicine was the top choice for Duke, with 16 students. Other popular specialties were radiology (10), pediatrics (8), and emergency medicine (8). In line with national trends, Duke students in recent years have increasingly chosen these and other non-primary care fields, including anesthesiology, orthopedics, and ophthalmology.

Nationwide, family medicine programs experienced the strongest growth this year. This trend was reflected at Duke as well, with four students matching to family medicine. Last year only one Duke student matched in the specialty.

A total of 14 students will remain at Duke, while one will head over to UNC-Chapel Hill. Aside from Duke, the most popular programs were Harvard (9), Stanford (5), and Washington University in St. Louis (5).

Resident Assignments for Duke Grads:

Internal Medicine	16
Radiology	10
Pediatrics	8
Emergency Medicine	8
Orthopaedics	7
Ophthalmology	7
Anesthesiology	6
Medicine/Pediatrics	5
Dermatology	4
Family Medicine	4
Radiation Oncology	3
General Surgery	2
Obstetrics/Gynecology	2
Otolaryngology	2
Plastic Surgery	2

Medearis named VP of Duke Medicine Development

Ellen Medearis has joined the Duke Medicine team at a critical time, with three major expansion projects transforming the Duke Medicine campus, and new sources of funding needed to support scientific and educational missions.

Medearis has been appointed the new vice president for the Duke Medicine Office of Development and Alumni Affairs. She began her new role in April, charged with securing gifts from alumni and friends who help to advance Duke Medicine's mission to provide world-class medical education, research, and patient care.

"I'm grateful to be here," she said. "I was attracted to Duke Medicine because of its mission and by the real dedication and passion of its leadership and employees."

Medearis worked for two years in Duke Medicine Development before joining Duke University Development in 1996. She held various leadership roles with university development before being named associate vice president of that office in 2004.

In her new role, Medearis leads a team of 70 people. She arrived in the midst of construction of the new Duke Cancer Institute facility, Duke Medicine Pavilion, and the school of medicine Learning Center.

With the economy still not fully recovered from its recent downturn, Medearis knows there is a lot of hard work ahead.

"We need to keep in mind that these new buildings represent more than bricks and mortar," she said.

"They will house and promote the very best patient care, research, and medical education. I hope that will motivate potential supporters and our own development team."



New Phone Number for Development and Alumni Affairs

As of June 9, 2011, the office of Duke Medicine Development and Alumni Affairs will change to 919-385-3100. Please use this number to reach any of the following offices:

- Duke Cancer Institute Development
- Duke Children's Development
- Duke Medical Alumni Affairs
- Duke Medicine Development
- Duke University School of Nursing Development & Alumni Affairs

919-385-3100

MSTP Symposium features Rusty Williams, PhD'77, MD'78

Renowned researcher and drug developer **Lewis T. "Rusty" Williams, PhD'77, MD'78**, was the keynote speaker at this spring's Medical Scientist Training Program (MSTP) Research Symposium, hosted annually by students in the program.

Williams was introduced by his former Duke mentor, Robert J. Lefkowitz, MD—a James B. Duke Professor of Medicine and Biochemistry, a Howard Hughes Medical Institute Investigator, and the winner of the 2007 National Medal of Science. Williams was Lefkowitz's first-ever MSTP graduate student, and the two have remained close friends.

"What I got from Duke was a passion for both science and medicine, and I was lucky enough to be Bob's first graduate student," Williams said.

"I started in his lab before his things were even unpacked!"

Williams' talk was titled: Secrets of the "Secretome: Discovering novel proteins, new functions, and protein drug candidates in the extracellular space." He is the founder and executive chairman of FivePrime Therapeutics, Inc., in San Francisco, and gave examples of how his firm is targeting new-found proteins to develop new therapies.

He said he is grateful to Duke for many reasons, among them the fact that they admitted him without having an undergraduate degree. "They were really open minded to accept me," Williams said, adding that he did not finish his undergraduate studies because he was sidelined for some time with a serious knee injury from playing football.

After graduating, Williams completed both an internal medicine residency and cardiology fellowship at Massachusetts General Hospital. He stayed on as a faculty member at Harvard Medical School prior to becoming a professor of medicine at the University of California-San Francisco, where he was a Howard Hughes Medical Institute Investigator.

Williams co-founded COR Therapeutics, Inc. and served as its director from 1988 to 1994. He then joined Chiron Corp. as senior Vice President and president of Chiron Technologies. He founded FivePrime in 2002.

Joining current MSTP students, faculty, and guests, at the symposium were potential MSTP students who were at Duke for Second Look Weekend. The symposium includes poster sessions, platform talks, and social events.



Rusty Williams and Bob Lefkowitz



2011 Medical Alumni Weekend



Classes with years ending in 1 or 6, mark your calendar now for **October 20-23, 2011.**

Whether it's been five or 50 years since you last set foot on Duke's campus, you'll find plenty that's new along with sights and sounds to remind you of your time as a medical student, including Duke vs. Wake Forest in Wallace Wade Stadium.

Come see how Duke Medicine's campus is being transformed by approximately 1 million square feet of new patient care and educational facilities, including a tailgate party and Duke vs. Wake Forest football game in Wallace Wade Stadium.

To read about all the events and activities planned to make your reunion an unforgettable experience, please visit medalum.duke.edu and click on **"Medical Alumni Weekend."**



2011 Medical Alumni Association Awards

A highlight of every Medical Alumni Weekend is the Medical Alumni Association Awards Ceremony. This year it will be a dinner on Friday night, at which the following distinguished awardees will be honored:

Distinguished Faculty

Joanne A.P. Wilson, MD'73

Distinguished Alumnus

Harvey J. Cohen, MD, HS'65-'67, '69-'71

M. Elaine Eyster, WC'56, MD'60

James H. Shore Jr., T'62, MD'65

Distinguished Service

Edward G. Bowen, T'57, MD'59, HS'59
(posthumous)

Humanitarian

Henry F. Safrit, T'59, MD'63

William G. Anylan, MD, Lifetime Achievement
Ralph Snyderman, MD, HS'65-'67

August deadline for 2012 MAA Awards nominations

Nominations are being accepted now through August 15, 2011, for the 2012 Medical Alumni Association Awards.

The 2011 awards will be presented during Medical Alumni Weekend, October 18-21, 2012. Nominations are being accepted for Distinguished Alumnus/a, Distinguished Faculty, Humanitarian Service, Distinguished Service, Honorary Alumnus/a, and the William G. Anlyan, MD, Lifetime Achievement Award.

Letters of nomination should include the candidate's name his or her class year and/or house staff years and specialty; the award category; a detailed statement of why the nominee should be considered; up to three letters of support; and your name, address, telephone number, and/or e-mail address, class and/or house staff years, and specialty.

Please submit nominations by **August 15, 2011** by mail to:

**MAA Awards Nominations
Duke Medical Alumni Association
512 S. Mangum Street
Suite 400
Durham, NC 27701-3973**

Online submissions at medalum.duke.edu, click on **Awards Program**, then **Make a Nomination**.

Robert A. Hare Trust sends \$9 million to School of Medicine

From his graduation day in 1935 through the year 1999, **Robert A. Hare, MD'35**, showed only modest interest in contributing to the Duke University School of Medicine. The successful Los Angeles-based ophthalmologist contributed a total of \$12,580 to the Davison Club and the Medical Annual Fund over the course of almost 65 years. His largest single gift was \$1,500.

But behind Hare's humble donations rested a deep respect and gratefulness for his Duke medical education. When he died in 2002, the school of medicine learned just how beholden Hare was.

Hare had named the school of medicine as the beneficiary of his estate following the eventual death of his only living relative—a step-son, Edward F. Mead—who was the income beneficiary of the Hare Trust while alive.

Mead passed away last October, and the \$9 million that remained in the trust was transferred to the school of medicine. One million dollars will be used to establish a scholarship fund in Hare's name, as he requested. The remaining \$8 million of

unrestricted funds will go toward the new Learning Center, currently under construction and slated for completion in 2013.

"We are extremely grateful to Dr. Hare for his generosity," said Dean Nancy C. Andrews, MD, PhD. "Obviously, he didn't know it when he designated this gift to us, but he is helping to change the face of medical education at Duke."

Hare's gift is the largest to the Learning Center other than the initial \$35 million from The Duke Endowment. Together with gifts from other alumni, it brings the total funds raised for the Learning Center to \$45.6 million.

"Certainly, this gift is a wonderful surprise," said Ellen Medearis, vice president for Duke Medicine Development and Alumni Affairs. "Bequests are very important to us, and Dr. Hare's will have an impact for many generations to come. I only wish we had the opportunity to thank him."

The 83,000-square-foot Learning Center is designed to educate adults in the ways they learn best—through individual preparation, team-based learning, and hands-on practice. It will provide collaborative education with students from nursing and other health professions, and include an entire floor for the most state-of-the-art medical simulation equipment.



DukeMed Elementary mixes fun, learning for local Durham kids

BY BERNADETTE GILLIS

Squeals and laughter erupt on the Duke Clinic Courtyard as a dozen fourth graders shoot each other with homemade squirt guns. Some have a hard time coaxing water out of the contraptions, which are crudely fashioned from recycled water bottles and plastic tubes. Everyone gets delightfully wet, and believe it or not, a little smarter about heart health.

The water fight is part of a lesson taught during DukeMed Elementary, a program led by Duke University School of Medicine students. The exercise is meant to demonstrate the differences between flexible and hardened arteries, with the easier-to-squirt guns representing healthier, more flexible arteries, while the harder-to-squirt guns represent hardened, less healthy ones. And once they go inside to recap the activity, the children have no problem grasping the lesson.

“They don’t realize it, but they’re learning from it,” says **Navid Pourtaheri, G’08, MSIII**, one of the founders of the program. “They remember when we ask them later which one was the old vessel and which one got the blood out better.”

DukeMed Elementary gives students from six Durham elementary schools the opportunity to learn about heart anatomy, exercise, diet, and nutrition outside of the traditional classroom setting. Interactive weekend conferences for fourth graders are held in the amphitheater at Duke Clinic once a year for each of the six schools.

A big hit with the fourth graders are the pig hearts, which are used to teach heart anatomy. Touching the hearts “was really fun,” says 10-year-old Esmé

Wheeler. “It feels squishy. It was just kind of weird touching an organ that had been in a pig’s body.”

Pourtaheri first conceived of DukeMed Elementary during his first year of medical school. And with help from **Melodi Javid, MSII**, the two officially launched the program in 2009 with the primary goal of fighting childhood obesity in Durham. The program also includes a second component, a luncheon and program on the human body for third graders run by first-year medical students.

During the weekend conferences, the fourth graders’ days are packed as Pourtaheri, Javid, and other volunteer medical students lead them in activities ranging from lectures on food science to fun games that get the students moving around.

Much like the water gun fight, a simple game of tag is filled with learning opportunities, says Pourtaheri. After

“It feels squishy. It was just kind of weird touching an organ that had been in a pig’s body.”

– Esmé Wheeler

running around, the students might learn how to measure their own heart rates. Or, with nutrition facts hidden in their pockets, students can pretend to be snacks. At the end of the game, they learn whether they tagged or “ate” healthy or unhealthy snacks. Then they play the game



Navid Pourtaheri discusses heart health with a Durham fourth grader.



A major highlight for the DukeMed Elementary kids is getting to touch and examine real pig hearts.



Javid says she enjoys working with the fourth graders in part because the experience opens their eyes to the possibility of pursuing careers in the health sciences.



Navid Pourtaheri observes as two students prepare the poster on their research findings, which they will present to their parents at the end of the weekend.

again; only the nutrition facts are clearly displayed, making it easier for the students to choose the healthy snacks.

“We hope to give them the tools to be able to make smart choices about their diet on their own,” Javid says. “They don’t always get to decide what they’re going to eat, but from what’s presented to them we want them to know how to figure out what the healthiest options are.”

Whether they’re held inside or outside or involve running around or sitting still, the DukeMed Elementary lessons are designed to complement what the children are already learning in the Durham Public Schools. In school the fourth graders are learning about food science, while the third graders are focused on the human body.

Hannibal Person, MSII, created the DukeMed Elementary curriculum, initially using resources he found on the Internet

‘Wow, maybe they did have fun and did learn something, and maybe I made a difference too.’

– Kaitlin Rawluk

and then getting feedback from teachers at some of the six partner schools. Though he has had experience tutoring kindergarteners through fourth graders at a local community center, this was his first attempt at coming up with a curriculum from scratch. “Once the actual structure of our objectives was established, putting it together was pretty straightforward,” Person says.

The curriculum continues to evolve, and Person makes tweaks based on student feedback. “It’s been an exciting experience seeing what you wrote come to life,” he says.

The fee for the conference is \$5, but if a parent can’t afford it, the fee can be waived. “We want to get students interested in the health sciences,” Javid says, “and present to them a whole world of career options in the health professions.”

At the end of the weekend conference, the

students get to pretend they are researchers and show off what they learned by giving poster presentations for their parents. Some present their posters in Spanish.

In addition to helping the elementary students, Pourtaheri says the program is beneficial to the medical students as well. “We really want to foster more of a culture of teaching and mentorship in medicine, and we want students to have an outlet to do that and develop those skills,” he says.

Pourtaheri and Javid’s work with the DukeMed Elementary program was recognized last year when they were named 2010-11 North Carolina Albert Schweitzer Fellows. In February Pourtaheri received a “Sammie” award from the Samuel Dubois Cook Society at Duke.

Sustainability of the program, which falls under the university’s Teaching and Mentoring Interest Group, is a major objective for Pourtaheri and Javid. They hope other medical students will continue to lead the program and offer even more luncheons and weekend conferences throughout the year. Other goals include creating a website, recruiting guest speakers, and spreading the program to other medical schools.

Kaitlin Rawluk, MSIV, and Whitney Chadwick, MSIII, will take over the program in the fall, and they have already been accepted for an Albert Schweitzer sustainability grant for the upcoming school year.

In addition to support from the Schweitzer Fellowship, the DukeMed Elementary program receives funding from Duke’s Doing Good in the Neighborhood campaign, the Davison Council, and the Graduate and Professional Student Council.

Though the overall objective of DukeMed Elementary isn’t necessarily to recruit future doctors, Javid says it melts her heart a little when some of the children say they want to follow in her footsteps.

“I sort of feel like the bad guy sometimes because I’m running after them telling them they have to do this activity and that activity, trying to keep things on track,” she says. “But they still run up to me and give me a hug and say, ‘What sort of doctor are you going to be? I want to be the same sort of doctor.’ I think to myself, ‘Wow, maybe they did have fun and did learn something, and maybe I made a difference too.’”

Alumni,

For the second year in a row the Duke Medical Alumni Council hosted the Blue Tie White Coat Celebration in March. The event gave School of Medicine alumni and current students a chance to mingle and connect at one of downtown Durham’s newest venues, the Cotton Room.

The event drew more than 350 medical students, alumni, and faculty and included a short program with remarks by **Brian Schwab, MSIII**, Davison Council president, Chancellor Victor J. Dzau, MD, and Dean Nancy C. Andrews, MD, PhD.

A highlight of the evening was the students’ silent auction and raffle, which brought in a total of \$2,195. The funds raised will be used to support construction of the School of Medicine Learning Center.

01 Dale Shaw, T’69, MD’73, HS’73-’77; John Hallet, MD’73

02 Cameron Williams, MSII; Kirema Garcia-Reyes, MSI; Nermerie Velasquez, MSI

03 Emma Neff, HS-current; Giselle Lopez, MSTP; Ann Bradford; Bill Bradford, MD, HS’65-’66

04 Susan Rainey, N’70; Tom Rainey, T’70, MD’74; Chris Hostler, MD’11; Mrs. Dewey; Jonathan Dewey, MD’11

Students, Faculty Bond at Blue Tie/White Coat Event



01



02

05 E. Philip Lehman, MD'10, SPP'10, HS-current; Dale Shaw; John Hallet, MD'73; Kurt Newman, MD'78

06 Lauren Knelson; Erik Knelson, MSTP; Mary Rand Harward; Stephen Harward II, MD'11; Mary Harward, MD'80

07 Jennifer Ho, T'09; Andrew Bouley, T'07; Hannibal Person, MSII; Nino Mihatov, MSII; Brandon Jackson Baird, MSII; Odera Umeano, T'09

08 The Cotton Room, Downtown Durham

09 Brian Schwab, MD'11; Dean Nancy Andrews, MD, PhD; Chancellor Victor Dzau, MD

10 Tom Rainey; Bruce Freedman, T'79, MD'83; Dale Shaw; Jonathan Christenbury, MD'81, HS'81, '82-'85, members of the Learning Center Steering Committee



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PRIMARY



CARE



WHEN TRACEY SPENCER ENROLLED IN

Duke University School of Medicine's Class of 2013, supporting a patient's leg in the delivery room was not the first clinical care image that popped to mind. But earlier this year, that is where she found herself, and she says it is one of the greatest parts of her medical training so far.

"I held my patient's leg for an hour while she pushed. I never really thought about deliveries taking that long, but 30 minutes into it, her leg started to feel really heavy," says Spencer, MSIII. "It was my first time seeing a baby delivered, and when I needed to take a break to avoid passing out, they waited on me. The patient was so comfortable with me and really considered me to be a big part of her care team."

Spencer's experience is unique among her peers because she is part of a new program for second-year Duke medical students called the Primary Care Leadership Track (PCLT). This academic path is an effort to answer the Association of American Medical Colleges' recent call for medical schools to produce more primary care physicians. As with many aspects of medicine, however, Duke is putting its own twist on things.

Rather than follow the traditional second-year curriculum focusing on inpatient training in the hospital, the PCLT places students mostly in outpatient settings, such as primary care, community, and obstetrics-gynecology clinics. The change gives them first-hand experience in the predominant primary care settings.

FORMING THE PROGRAM

The past five years have been a time of growing pains for Duke's primary care and family medicine programs. Since shuttering the family medicine residency in 2006, the school revamped the program, and administrators redoubled their commitment to primary care training. The same enthusiasm arose when faculty began discussing the PCLT, says Edward Buckley, MD, vice

"WE...HAVE A COMMITMENT TO TRAIN CLINICAL LEADERS AND SCIENTISTS WHO CAN BE CHANGE AGENTS..."

– Ed Buckley

BY WHITNEY L.J. HOWELL

Chris Danford, MSIII, listens to a patient's heart with preceptor Bruce Peyser.

PRIMARY CARE

“...THE OVERRIDING
CONSENSUS WAS THAT
THIS IS THE WAY
WE SHOULD’VE BEEN
TEACHING PRIMARY
CARE ALL ALONG.”

— Barbara Sheline



dean for medical education.

“Duke’s fundamental educational mission is different from other schools,” he says. “While we do train physicians focused solely on patient care, we also have a commitment to train clinical leaders and scientists who can be change agents for health care at the community and primary care levels.”

In fact, says Barbara Sheline, MD, MPH, PCLT program co-director and assistant dean for primary care, getting buy-in from school administrators and lead faculty took less effort than program coordinators anticipated.

“After we presented our thoughts and plans for the program, the overriding consensus was that this is the way we should’ve been teaching primary care all along,” she says.

Finding five faculty preceptors for each PCLT student was the first step to successfully launching this part of the curriculum. Every student must have a preceptor from each core area—family medicine, internal medicine, psychiatry, pediatrics, and obstetrics-gynecology—so Duke provides faculty development to physicians who do not regularly teach.

Students spend nine months in outpatient clinic training, and they also have the unprecedented opportunity to rotate through the emergency department. Inpatient training comes by spending nearly three months working in the hospital. Throughout the year, they meet with Sheline every Thursday for instruction and discussion.

Although the PCLT opened with three students enrolled, nearly 200 applicants

applied for the six slots available next year, Sheline says. Interest was so great that within 48 hours of posting program information online, coordinators received 96 inquiries. Faculty select students based on a written essay and a separate interview in which program leaders look for applicants with demonstrated or potential leadership skills.

Accepted students receive a \$10,000 scholarship to offset the cost associated with pursuing the often lower-paid primary care positions. If students decide to enter a different specialty, the scholarship reverts to a loan.

HOW IT WORKS

While PCLT students begin the same curriculum as their classmates, taking basic science courses during their first year, they also discuss patient cases with other health care professions students. They branch away further as second-year students by learning in different environments. Instead of spending the majority of their time with hospital inpatients, these second-year students rotate through outpatient clinics.

Each week, they spend half-days shadowing their preceptors, taking patient histories, and learning to hone their diagnostic skills. Time spent in the clinics gives students the benefit of one-on-one time with faculty, says Bruce Peyser, MD, PCLT co-director from internal medicine.

“Second-year students naturally need more time and supervision than fourth-years, and in many cases they’re starting from square one. They can’t find a lymph



node or aren't skilled enough to hear a heart murmur," Peyser says. "But working alone with a doctor means they get more time to make sure they're doing things correctly and we, as faculty, can take time to really show them things and make sure they understand or can ask questions."

In addition to observing patients with their preceptors, PCLT students also get their first taste of being a "real doctor." They are required to compile their own panel of patients—a group of individuals whom students follow through the health care system as they need and receive services. For instance, if a primary care provider refers a patient to a specialist,

the student would accompany the patient to the appointment as a patient advocate and to provide an extra continuity of care layer.

Having an individual panel of patients gives PCLT students a first-hand glimpse into the life and responsibilities of a practicing provider far earlier than any of their peers.

"I don't think even fourth years or residents get the same continuity with their patients," says Christopher Danford, MSIII, who chose Duke over other medical schools specifically for the PCLT program. "All three of us have had a patient we've been close to die or get a new diagnosis

Tracey Spencer, MSIII, checks in on a baby she helped deliver.

By the numbers

3 number of students in pilot class

6 number of students who will enroll in Fall 2011

200 number of applicants for 2011 entering class

5 number of preceptors needed per student

9 months spent in outpatient clinic

3 months spent in hospital

Tracey Spencer, MSIII, and Cassandra Kisby, MSIII, leave the Durham County Health Department, where they followed a group of women through pregnancy and birth.



of cancer. And on the other end, we've been able to deliver babies. That's a very emotionally charged experience."

The Centering Program through Lincoln Community Health Center offers PCLT students the opportunity to follow pregnant patients through their health care experience. Together with a nurse midwife, the students work with a group of women throughout their pregnancies, providing prenatal care and leading Program discussions. The students are present for the births—many delivering the babies—and they follow mother and baby to postnatal care.

"It's wonderful for the women to get to know the students and have them at their births," says Trish Payne, a certified nurse midwife who serves as a PCLT preceptor.

"These women walk into the hospital to have their baby and instead of seeing a stranger, they see their medical student."

The program is too new to provide longitudinal data on the benefits of having medical students involved in prenatal care, but Payne says she anticipates the Centering Program women will not only be more likely to listen to and follow the students' advice, but they will also be at a lower risk for a C-section because they will be less frightened in the delivery room.

THE PROGRAM'S NEXT STEPS

Real-world primary care training continues for PCLT students in the third and fourth years of medical school. During the third year, according to program co-director Sheline, students

must complete a research project in collaboration with the Duke Center for Community Research that focuses on a community or population health issue facing Durham residents, such as diabetes in the African-American population.

"This is the year where students will really see the health care system through the patient's eyes," Sheline says. "They will work with groups already looking at health issues Durham cares about while receiving training in community and population clinical leadership."

The PCLT fourth year will be similar to the traditional fourth-year curriculum. Students will choose a variety of electives designed to increase their primary care proficiency, including a sub-internship and a critical care elective. Additionally,

PRIMARY CARE



“WITHOUT FAIL,...
THE PATIENTS WHO
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MENTS.”

– Bruce Peyser

PCLT students must complete a four-week long capstone course that will better prepare them to work in a patient-centered medical home.

ANOTHER VIEW OF HEALTH CARE

Even though they have only finished the program’s second year, the three PCLT students have already achieved one of Duke’s goals—they are far more aware of what it means to be a patient in today’s health care system.

“It’s been most interesting to see the transition of care as a patient goes from different practice to practice. I’ve realized that many patients have trouble getting to and from appointments because of transportation issues, and I’ve seen them struggle to make their co-pays,” says Cassandra Kisby, MSIII. “I know our classmates don’t see that because they’re

transferring from service to service rather than rotating with the patient.”

The effect so far—on student and patient—has been positive, says co-director Peyser. The need for strong leaders in primary care is especially great as the health care system faces a time of substantial transition. The continuity of having students in the clinic is also comforting to patients.

“Without fail,” Peyser says, “the patients who agreed to have Chris [Danford] as part of their care ask for him and want him in their appointments.”



an ill woman originally from Nepal visits Sumera Hayat, MD, HS'95-'98, MPH, at a Raleigh clinic. She's sought care from other physicians before, but her broken English has made communication difficult and her symptoms haven't gotten any better. To make matters worse, she's uninsured and can't afford her medications.

But once Hayat opens her mouth, the patient is overjoyed. Hearing Hayat speak Hindi, her native tongue, allows the woman to open up in a way she never has with a provider before. Hayat is able to pinpoint the patient's ailments and prescribe new medications. And because she's being seen at Mariam Clinic, a free clinic for the uninsured, cost is not an issue.

a place for all:

Duke Doctor works to
treat uninsured immigrants,
Muslims, and others

by Bernadette Gillis

"I think for the first time she was able to communicate with a health care provider since she'd been in the country and really explain the symptoms she was having," says Hayat, who holds faculty positions in both the departments of Community and Family Medicine and Obstetrics and Gynecology at Duke.

After the 9/11 terrorist attacks, Hayat hoped to focus on ways to address the health needs of local Muslim women. But after conducting a needs assessment in 2003 with a grant from the Trent Foundation, Hayat and her Duke colleague, Evan R. Myers, MD, MPH, discovered the needs and barriers facing Muslim women were the same for many others in the Triangle. A significant number of marginalized adults in the Durham and Raleigh area—men, women, minorities, and immigrants of all faiths—were not getting their medical needs met due to a lack of health insurance coverage.

That's when the idea for Mariam Clinic was born. With a vision of people from diverse backgrounds coming together to create a healthier society, Hayat and other health care providers and community leaders created Mariam Clinic as a nonprofit organization in 2005. Later, Raleigh physician Mohammad Baloch, MD, offered the use of his clinic, Capital Physicians Group, on Sundays, and Mariam Clinic officially opened its doors in 2007.

Hayat says when naming the clinic, she and her colleagues searched for a name that would resonate with

all faiths. Jews and Christians identify with Mariam as Moses' sister, while Muslims often refer to Jesus' mother Mary as Miriam or Maryam.

"We wanted to have a name that a lot of different people could relate to, and Mariam is someone who is revered in three major religions as a powerful woman and a nurturer," Hayat explains.

The clinic welcomes adults over 18 who do not qualify for public or private insurance and live or work in Wake or Durham County. Patients must also have a household income of no more than 200 percent of the poverty level, and at least one member of the household must be employed.

Hayat says Mariam Clinic has become a welcome haven for many immigrants, who often have difficulties finding medical care.

"The thing with recent immigrants is even if they're here legally, for five years they don't qualify for any federal assistance," Hayat says. "So no matter how poor they are, they can't get Medicare or Medicaid, food stamps, any of that support."



Sumera Hayat speaks to patients in Hindi, Urdu, French, Swahili, and English.



Legal immigrants face a five-year wait for any kind of federal assistance. By the time they reach Mariam Clinic, many have been without needed medications for months.



“I think there needs to be a change in our health care system so patients don’t fall through the cracks...”

– Sumera Hayat

For more information about Mariam Clinic, please visit www.mariamclinic.org.

info

The clinic also makes an effort to find translators for immigrant patients who speak a variety of languages, from Spanish to Gujarati to Hindi. Hayat herself speaks fluent Hindi and Urdu and broken French and Swahili. Even communicating in a few words other than English puts a lot of patients at ease.

“It’s always a great sense of connection when you can say a few words together,” Hayat says.

Initially the clinic’s patients were predominantly Muslim, but 60 percent are now non-Muslim, says Shalini Rehan, clinic director.

“So many people have heard about the clinic through word of mouth—from mosques, local hospitals, newspaper articles,” she says. “There are so many uninsured, it’s rewarding knowing that you can help someone.”

The majority of cases Hayat and the other volunteer physicians see at the clinic involve chronic conditions such as high blood pressure, diabetes, and high cholesterol. By the time they get to the clinic, many patients have been without their medications for months.

Hayat recalls seeing a married couple in such a situation. Both had diabetes and high blood pressure, and the husband had suffered a stroke. But because they had lost their health insurance, they had been off their much-needed medications for four months.

“Their diabetes was completely out of control,” Hayat says. “Their blood pressure was completely out of control. And the husband was at risk of having another stroke.”

Fortunately, Hayat was able to find a low-cost prescription program for the couple, and soon their illnesses were under control. She also discovered that they qualified for Medicaid and could now afford to be seen at a traditional clinic. But to her surprise, the couple was sad.

“I thought they would be really excited to be able to move on and go back to having full health care again,” she says, “but I think being in such a small clinic

made them feel like they got a lot more personal attention.”

That personal attention is what patient Alvin Wimbush finds appealing about the clinic. A plumber by trade, he has been out of work for two years because of nerve damage caused by a hand injury. But with the care he’s receiving for his injury, he hopes to eventually become employable again and back among the insured.

“They give you really good care here,” he says. “I had to find somewhere to go, and I’m glad I was able to find this clinic.”

Currently the clinic has 35 non-health care provider volunteers and 11 physician volunteers, including Duke obstetrician and gynecologist **Serina Floyd, MD, MPH, HS’01-’05**. But Hayat says a major focus for the clinic now is to recruit more volunteers, particularly physicians, nurses, and physician assistants. With more volunteers, the clinic could double or triple capacity and decrease its long waiting list for appointments.

There are two other large clinics in Wake County that also treat the uninsured, but Mariam Clinic is currently the only one that is open on Sundays. Without that option many would end up in emergency rooms, which only adds to rising health care costs, says Hayat. The cost to treat patients in emergency rooms can average about a \$1,000 for a visit. However, it costs about \$75 to treat each patient at Mariam Clinic.

Hayat says so much more needs to be done to address the nation’s health care problems, but she’s glad Mariam Clinic can play a role in helping to find a solution.

“I think there needs to be a change in our health care system so patients don’t fall through the cracks, and we can provide simple, preventative care to keep all patients in a good state of health,” she says. “But until we can have that, I think we’re going to always need these safety nets, and Mariam Clinic is just a small part of that. ▀



2011

Commencement

Duke University School of Medicine granted 245 degrees on May 15. Tassels were turned for 99 medical students, 53 doctor of physical therapy students, 80 physician assistant and pathologist assistant students, 12 master of health sciences in clinical research students, and one master of health sciences in clinical leadership student.



Low Ying Hui, a member of the first class of Duke University's sister school Duke-National University of Singapore Graduate Medical School, attended the Duke University Hippocratic Oath Ceremony and commencement. Dean Nancy Andrews, MD, PhD, looks on as Hui receives her hood from Dr. Robert Kamei, vice dean for education at Duke-NUS, who also attended, along with other Duke-NUS officials.



Duke-NUS President Professor Tan Chorh Chuan joined Chancellor Victor J. Dzau, MD, at Duke for the School of Medicine graduation ceremony.



Above, from left, several members of the first Duke-NUS Graduating Class, Lim Kheng Choon, Karrie Kho, Kho Huishan, Dixon Grant, and Ee Tat Xin. Below, the Duke-NUS Class of 2011 begins their procession.



The MD candidates participated in the Hippocratic Oath Ceremony in Duke Chapel Saturday evening, and on Sunday they heard the Duke University Commencement address by Cisco CEO John Chambers.

FIRST DUKE-NUS CLASS TO GRADUATE IN SINGAPORE

On May 28, the school of medicine's sister school in Singapore—the Duke-National University of Singapore Graduate Medical School (Duke-NUS) hosted a pre-graduation celebration and hooding ceremony for its inaugural graduating class of 24 students.

Attending was Victor J. Dzau, MD, the chancellor for health affairs at Duke University, and CEO of the Duke University Health System.

The students marched in their graduation gowns and received a copy of the Hippocratic Oath and a diploma holder in preparation for the formal Duke-NUS graduation ceremony on July 4, which will be attended by Duke University President Richard H. Brodhead, PhD.

The majority of the Duke-NUS graduates will participate in residencies within the Singapore Health Services Group. One student—Ying Hui Low, MD, of Singapore—will come to Durham to perform an anesthesiology residency at Duke. An American Duke-NUS graduate—Dixon Grant, MD, will do an internal medicine residency in the Singapore Health System. He earned his undergraduate degree from Utah State University.

1950s



▲ **William H. Anderson Jr., MD'53**, and his wife Wanda celebrated their 60th wedding anniversary on March 24. Anderson says he met Wanda on January 2, 1951, sitting across from him at an OB/GYN lecture at Duke, and on January 5 he told her he was going to marry her. Two months later they married. The couple lives in Conneaut, Ohio, in the northeast corner of the state. He is retired from a 35 year career as a cardiovascular and family physician. They have five living children, 16 grandchildren, and three great-grandchildren.

Alan Solomon, MD'57, has been appointed co-director of the Alzheimer's Disease and Amyloid Imaging Center at the University of Tennessee Graduate School of Medicine in Knoxville. He and his wife Andrea live in Knoxville.

1960s



▲ **Fred Agre, MD'61, HS'61-'62**, in photo at right, and **Linsy Farris, MD'61**, left, crossed paths in 2007 when they discovered each other working at the same hospital: Harlem Hospital in New York City. Agre came to Harlem Hospital after working for several years as a pediatrician in Elmsford, N.Y. Farris came to New York for his ophthalmology residency at Columbia-Presbyterian and then joined the staff at Harlem where he was appointed director of ophthalmology. They recognized each other immediately when they met in the hospital's emergency room. Agre and his wife **Patricia, N'62**, live in Elmsford. Farris and his wife Vivian live in Tenafly, N.Y. and have three children, **Karen, T'83**, Andrew, and Alan.

Victor S. Constantine, BS'60 (medicine), MD'61, now practices dermatology three days a week in Bakersfield, Calif. He has two sons.

Diller B. Groff III, MD'61, retired since 2004, serves as vice chair of the Institutional Review Board at the University of Louisville. His son Giles has three children and lives in Louisville. His daughter Pam also has three children. Son **Paul, T'88**, lives in Raleigh with his wife **Amy, T'91, MD'95, HS'95-'99**, and their four children.

Charles B. Hammond, MD'61, HS'61-'64, '66-'69, retired from clinical practice in June 2010 but continues to teach and do a few administrative duties in the Department of Obstetrics and Gynecology at Duke. He and his wife Peggy live in Durham. Their son **Charles Jr., T'85**, lives in Cedar Rapids, Iowa, with his wife and three children; the oldest was recently accepted to Northwestern University.

Robert H. Peter, T'57, MD'61, HS'61-'65, is now a full-time farmer in Hillsborough, N.C. The farm has cattle and a vegetable garden. He and his wife **Mary Ann, BSN'62, MSN'65, PhD**, spend a lot of time planting bushes, trees, and flowers. Both their home and farm are part of a local garden tour. Mary Ann is an accomplished potter. The couple has traveled to Greece, Turkey, Croatia, China, and Western Europe. They also enjoy antique week each year in New Hampshire.

C. Thomas Caskey, MD'62, HS'63-'65, was inducted into the Royal Society of Canada as the foreign inductee in medicine and science in November 2010. For the past two years he has served as chairman of the government-funded Board of Genome Canada. Caskey is the executive vice president for molecular medicine and genomics and the University of Texas Health Science Center in Houston. Last November, he and his wife **Peggy, WC'61**, celebrated their 50th wedding anniversary. Caskey said he proposed to her on the circle leading to Duke Chapel. They have two children—Clifton, and **Caroline, T'88**—and live in Houston.



▲ **A. Everette James Jr., MD'63**, and his wife Nancy Farmer, EdD, MEd, had 18 paintings from their collection on display at University United Methodist Church in Chapel Hill, N.C., from March 6-June 12. The collection shows the myriad ways in which American artists have depicted houses of worship, sacramental events like baptisms and weddings, and shared worship and exaltation. The exhibit ranged from primitive work such as "Jonah and the Whale" by untrained artist Nellie Mae Rowe to highly sophisticated works like "The Muses" by Robert Lofton Newman. James and Farmer live in Chapel Hill.



▲ **Robert C. Noble, MD'64**, has a self-published book, *Short Stories, Letters, and Essays*. The essays deal with the relationships between physicians and the pharmaceutical industry, the concept of safe sex, and the hazards of eating raw shellfish. In addition, Noble has three novels placed in academic medical settings: *Deception by Design*, *Dose of Death*, and *Rhythms of Irregular Hearts*.

All books are available in paperback and Kindle versions at Amazon.com and on his website <http://robertcnoble.com>. He lives in Poland, Ohio, with his wife Audrey, where they help care for their grandchildren.

Charles B. Herron, MD'66, HS'66-'67, and his wife Phyllis retired from dermatology and internal medicine in July 2008 and moved to Knoxville, Tenn., to be close to their children and grandchildren. They un-retired last December and moved to Paris, Tenn., where they work at the Paris Henry County Clinic.

Thomas F. Henley, MD'68, HS'69-'73, won the discus, shot put, and 50-yard backstroke at the 2010 North Carolina Senior Games in the 65-69 age group. Henley is an obstetrician and gynecologist with Piedmont Healthcare for Women in Greensboro. He also took third in the 50- and 100-yard freestyle swimming events. He and his wife Sandra have three children and live in Greensboro.

1970s

Timothy M. Boehm, MD'71, remains active professionally. He has completed 20 years of service in the U.S. Army and 20 years practicing at Little Rock Diagnostic Clinic in Arkansas. He and his wife Jane live in Little Rock.

Kenneth C. Fischer, T'67, MD'71, is director of the stroke center at North Shore Medical Center in Miami, Fla. He also serves on the board of directors for Catholic Health Services in Lauderdale Lakes, Fla. His wife, Maxine Thurston Fischer, PhD, is a college professor and businesswoman. Their daughter Lila de Tantillo is a journalist and mother of Diego, 5, and Lila Teresa, 1.

J. Russell Hoverman, MD'71, HS'72-'73, PhD, recently presented to the Institute of Medicine on quality issues in cancer care. He also is a member of the American Society of Clinical Oncology Quality of Care Committee and the society's steering committee for Quality Oncology Practice Initiatives. He currently is developing cost/value-based cancer care delivery systems with alternate payment structures. Currently vice president of quality programs at Texas Oncology in Dallas, he writes that he is "neck deep" in health care reform. His wife **Isabel "Belle," MD'72, HS'72-'74**, is the current board chair for the Joint Commission. She is also a marathon runner, and Hoverman enjoys cycling, hiking, and birding. Their daughter is completing an OB-GYN residency, one son lives in New York and works in finance, and another son is an architect in London. The Hovermans have three grandchildren.

Richard A. Hopkins, T'70, MD'74, HS'74-'83, has been named the Thomas Holder/Keith Ashcraft Endowed Chair in Pediatric Surgery Research at Children's Mercy Hospital—a freestanding academic medical center in Kansas City. His multidisciplinary, translational and

experimental surgery research program focuses on cell, gene, and tissue engineering of viable cardiac replacement tissue in children and young adults. He and his wife **Jeannette Clark Hopkins, N'80**, have three children—**Kristin, T'05, Tristan, T'07**, and Devon.

John D. Cheesborough, T'72, MD'76, said he still loves practicing medicine after 31 years, but still hates the paperwork. He is a dermatologist with Sanford Dermatology Associates in Sanford, N.C. He and his wife **Ellen M. Flanagan, MD, HS'00-'03**, an anesthesiologist at Duke, recently have done volunteer work in Zambia and Haiti. They live in Apex.

Michael S. Freemark, MD'76, the Robert C. and Veronica Atkins Professor of Pediatrics and chief of the Division of Pediatric Endocrinology at Duke, was editor of the book *Pediatric Obesity: Etiology, Pathogenesis, and Treatments*, which was published in 2010 by Humana/Springer Press. His daughter Samora is a producer of radio documentaries, and his son Yonah is a graduate student at MIT studying city and regional planning. He and his wife Anne Slifkin live in Durham.



▲ **Hugh J. Donohue Jr., MD'75**, received a master of health care administration from the University of North Carolina at

Chapel Hill in December 2010. The degree was a culmination of three years of online and campus study in an executive-format program. He lives in Cary, N.C.

Robert A. Shaw, T'72, MD'76, has been elected to the board for ECU Physicians, a medical practice in Greenville, N.C. He also is co-director of the Introduction to Medicine course at East Carolina University. Since he began teaching the course, he has visited Duke twice to observe the new team-based learning method. He and his wife **Jon, WC'72**, live in Greenville.

Bruce Wilhelmsen, MD'79, whose avocation is producing specialty barbecue sauces, has had his Bone Doctors' BBQ sauces selected as a Silver Finalist for Outstanding Food Gift for 2011 from the National Association for the Specialty Food Trade. The trade's annual Specialty Outstanding Food Innovation Awards recognize excellence in specialty food and beverages and are a coveted industry honor. Bone Doctors' BBQ was one of 110 silver finalists selected from 1,657 contestants. The barbecue sauces are the creation of Wilhelmsen, an orthopedic surgeon in Greenville, N.C., and his business partner and friend David Heilbronner, MD, of Charlottesville, Va. Wilhelmsen and Bone Doctors' BBQ were featured in the Winter issue of DukeMed Alumni News. Visit <http://medalum.duke.edu> and click on "Alumni Profiles." For more information about Bone Doctors' BBQ visit www.BoneDoctorsBBQ.com.

1980s

Nancy E. Dunlap, MD'81, PhD, MBA, will serve as a 2011-2012 Robert Wood Johnson Health Policy Fellow in Washington, D.C., next year. She currently is professor and vice chair of the Department of Medicine at the University of Alabama at Birmingham. She and her husband John D. Johns live in Birmingham, Ala. They have two children. Anna teaches in San Antonio, Texas, with Teach for America; and their son Dixon is a student at Brown University in Providence, R.I.

Berrylin J. Ferguson, MD'81, HS'81-'86, a professor of otolaryngology at the University of Pittsburgh School of Medicine, served as co-editor for the book, *Nasal Polyposis: Pathogenesis, Medical and Surgical Treatment*, published last September. She also served as co-editor of *Allergy*, a volume for clinics in North America, which will be published this summer. Her husband **Ken McCarty Jr., T'68, MD'72, PhD'73**, a former Duke faculty member, died of cancer last October. She has five children and lives in Pittsburgh.

William R. Tyor, MD'81, serves on the faculty at Emory University School of Medicine and the Atlanta Veterans Affairs Medical Center in Georgia. He moved to Atlanta in 2008. He and his wife Laura have two children. Anna graduated from college this year, and Evan is a college freshman and part of a band called Richard's Sunday Best.



▲ **Russell E. Ware, MD'83, HS'86-'89, PhD'91**, has been appointed director of the newly created Texas Children's Center for Global Health at Texas Children's Hospital and Baylor College of Medicine. The new center will focus primarily on medically underserved populations and address major causes of child morbidity and mortality globally. It also will provide screening, treatment, and education to positively impact critical global health issues affecting children, such as sickle cell disease, malaria, tuberculosis, malnutrition, and cancer. Ware is an internationally recognized expert in the field of pediatric hematology and previously was as St. Jude Children's Research Hospital in Memphis, Tenn.

David L. Feldman, T'80, MD'84, HS'89-'92, has joined Hospitals Insurance Company (HIC) as senior vice president and chief medical officer. He will be responsible for HICs clinical risk management activities, working with clients on innovative programs aimed at improving patient safety and quality of care. Feldman is a plastic and reconstructive surgeon and assistant professor of surgery at Mount Sinai School of Medicine. He and his wife Debra live in Scotch Plains, N.J., and have three children—Jessie, who will

Fast Friends from Day One at Duke

During their first year at Duke University School of Medicine in 1972, **Leonard A. Kalman, MD'76**, and **Stephen W. Unger, MD'76, HS'75-'76**, were assigned to the same lab group.

"I came to Duke with long hair and a beard, looking sort of like Charles Manson," Unger says. "Len was apparently scared of me for a while."

Kalman and Unger attended every home Duke men's basketball game during their entire four years, co-coached a youth basketball team for three of their four years, organized the first-ever prom for third-years; and met regularly at lunchtime to run three miles at Wallace Wade Stadium.

Many college friendships slowly morph into once-a-year get-togethers, but Kalman and Unger's has only gotten stronger, despite going separate ways for their residencies.

Unger performed a surgical residency at the University of Virginia. Kalman did post-Duke training in OB/GYN, then internal medicine, followed by a hematology/oncology fellowship. These took him to the University of Pittsburgh, Harvard, the Medical College of Pennsylvania, and Memorial Sloan-Kettering Cancer Center in New York City. The two families visited each other often for vacations, camping trips, and to celebrate Thanksgiving and major Jewish holidays.

Meanwhile, both families had children—the Ungers first—who also became lasting friends. In fact, their respective sons attended Duke 10 years apart. Unger says his son **Joshua, E'96, MD'06**, and Kalman's son Noah—a current Duke student pursuing medical and business degrees—shared a brotherly bond growing up. "Noah looked up to Joshua, now they are contemporaries." The Kalmans also have a daughter Alexis, and the Ungers have another son Aaron and a daughter Rachel. Joshua returned to Duke this year for a fellowship in vascular medicine. His wife **Sarah Hart-Unger, G'06, MD'07, HS-current**, is a pediatric endocrinology fellow at Duke.

In 1982, with their residencies over, it was time to find jobs. Unger knew exactly

what he wanted to do—return home to Miami and join his father's small practice. Kalman was about to take a position at a large practice in New Jersey when Unger had an idea.

"I said, 'Lennie, why don't you come to Miami and see if there's anything here?'" Unger said.

Kalman did and landed at Advanced Medical Specialties, a large practice affiliated with Baptist Health of South Florida, where he remains today as a leading oncologist and practice president.

"He has built that program into one of the largest in Florida," Unger says. "The biggest difference between us is that our business plans are complete opposites. He has developed a huge practice and wears three hats—doctor, practice business leader, and spokesperson and lobbyist for community oncology. My business plan is to run a small, busy practice. I have one associate."

The friendship continues to grow. They regularly attend Miami Heat basketball games and sporting events at the University of Miami. The two families dine together often, travel, and celebrate holidays and birthdays together.

Recently, the duo took their friendship into the realm of philanthropy when they gave a combined gift of \$25,000 to the Duke University School of Medicine Learning Center currently under construction.

And they still share their love for Duke basketball. In fact, if they aren't able to watch a game together they "are on the phone to each other five or six times every game," Kalman says. "We text, too, but sometimes you just have to talk about it."

Recently, the duo took their friendship into the realm of philanthropy when they gave a combined gift of \$25,000 to the Duke University School of Medicine Learning Center currently under construction.

"We are very appreciative of everything at Duke," Kalman says. "We appreciate the medical excellence, the educations we and our sons received, and Duke basketball. This building will be a good place for students to interact with each other, and with their advisory deans. We didn't have that."

And as if to cast in stone Kalman and Unger's lasting bond, the two came to a stark realization last year when Noah Kalman married the sister of the wife of Stephen Unger's nephew.

Kalman asked Unger, "Does this mean we're related now?" to which Unger replied, "I suppose we are!"

— Jim Rogalski



Len Kalman and Stephen Unger

be a Duke sophomore this fall; Samantha, a masters student at New York University (NYU); and Zach, a junior at NYU.

Marc T. Galloway, MD'84, an orthopedic surgeon, has been named head team physician of the Cincinnati Bengals in the National Football League. He previously was team physician and director of sports medicine at Yale University. He and his wife **Jeanie Westry, MD'84, HS'84**, have a son, Ryan, and live in Cincinnati.



▲ **Richard A. Brown, T'81, MD'85**, and his wife **Ellen, BSN'82**, visited with their daughter Jessica, a freshman at Duke, in February. He described it as a "special weekend" filled with activity, including a tour of the medical center led by **William Bradford, MD, HS'65-'66**, a basketball game, and a "crushing domination of Carolina" by the club field hockey team on which Jessica plays. The Browns live in Del Mar, Calif.



▲ **Tina S. Alster, BSN'81, MD'86**, received the Mentor of the Year Award from the Women's Dermatologic Society and also recently was nominated to be the society's 2011-2012 vice president.



▲ **Scott T. Howell, MD'86, HS'86-'87, '92-'95**, and his oldest son, Sebastian, 17, race off-road motorcycles, or dirt bikes, in a racing series sponsored by Florida Trail Riders. Last year Howell won the state championship in his class of 50-year-olds by racing "Hare Scrambles," which is an off-road race that lasts two hours with approximately 250 bikes racing at a time. Howell lives in Vero Beach, Fla., with his wife, two sons, and two English mastiffs. He practices anesthesia in Melbourne.

◀ **Vincent J. Vilasi, MD'86**, reached the summit of Mount Aconcagua in Argentina in January. The mountain is the highest point in the Western Hemisphere. He plans to go to Denali in Alaska in June. Vilasi

is president of FOAA Anesthesia Services, the largest anesthesia group in Virginia. He and his wife Lea live in Great Falls, Va., and have four children ranging in age from 2 to 14.

1990s

Phillip M. Boiselle, MD'90, recently was promoted to professor of radiology at Harvard Medical School. He also is vice chair of quality, safety, and performance improvement in the Department of Radiology at Beth Israel Deaconess Medical Center and serves as the editor-in-chief of the *Journal of Thoracic Imaging*. He and his wife Ellen live in Boston.

David A. Stein, MD'90, and the former **Ellen A. Brasington, RN'08**, were married last May in Walt Disney World. They are a blended family with six children ages 5-12 between them. Stein is a surgeon with The Facial Plastic Surgery Center, PA, in Cary, N.C., where the family lives.

Tracy Gaudet, T'84, MD'91, has been named the inaugural director of The Office of Patient Centered Care and Cultural Transformation of the Department of Veterans Affairs. She is charged with developing personal patient-centered models of care for veterans who receive health care services at the VA's more than 1,000 points of care around the country. She previously was executive director of Duke Integrative Medicine. She lives in Arlington, Va.

Christopher J. Stille, MD'91, is now section head of general pediatrics at the Children's Hospital, which is affiliated with the University of Colorado, but he still finds time for patient care

and research. He also finds time to perform occasionally, using the skills he displayed during the Student-Faculty show, "The Sound of Mucus," while he was at Duke. Stille enjoys living in Englewood, Colo., with his wife Sheila and two children, Peter and Meghan.

Mark Vakkur, MD'92, HS'92-'96, moved to Switzerland in 2009 so his wife, **Susan A. M. Wang, MD, MPH, HS'91-'95**, could take a job with the World Health Organization (WHO), where she works in global vaccines. Vakkur currently works as a full-time dad and has done consultant work for the WHO. He also is pursuing different career options while learning French and piano. The couple has three children: Lucy, 6; Isabella, 12; and Christopher, 15. The family lives in a small village outside Geneva called Founex, where they have views of the Alps, the Jura Mountains, and Lake Geneva. They maintain a family blog at vickerscircle.blogspot.com.

2000s



Sujay Kansagra, MD'06, HS-current, has published a book entitled "*Everything I Learned in Medical School: Besides All the Book Stuff*". It is his account of the fascinating, challenging, uplifting, and frightening world as a medical student at Duke. It portrays the

unique experiences of medical school and the lessons learned along the way. Sujay is currently completing his training in pediatric neurology at Duke. To read an excerpt or purchase the book, please visit Amazon.com.

Richard Murphy, T'95, MD'01, and his wife **Marjorie Menza, T'95, L'02**, recently celebrated the birth of their second child, Hugh. Richard is an infectious diseases advisor with Doctors Without Borders USA. Marjorie is an associate with Debevoise and Plimpton, LLP in New York City, where the family lives.



▲ **Nicholas A. Viens, T'03, MD'07, HS-Current**, and his wife Lindsey welcomed their first child, Henry, on March 16, 2011. Viens is in his final year of residency in orthopedic surgery at Duke.

Roggli's 60th Birthday an Inspiration to all Cystic Fibrosis Sufferers

When Victor L. Roggli, MD, was born in 1951 the average lifespan for babies born with cystic fibrosis was about two years. So by the time Roggli's symptoms first appeared when he was 7, he already had beaten the odds by a long-shot.

Roggli, however, wasn't officially diagnosed with the disease until he was 12 and weighed just 70 pounds. For five frustrating years the Roggli family had visited multiple doctors and specialists to hopefully get a diagnosis and treatment for Roggli's chronic cough, numerous lung infections, digestive tract problems, and inability to gain weight.

The Vanderbilt University doctor who diagnosed Roggli had never seen anyone that old with the disease, especially given that Roggli has the most serious form of cystic fibrosis, called delta F508 homozygotes.

On Saturday, May 23, 2011, with more than 100 friends and family present, Roggli sliced his cake and performed spirited karaoke dressed as Elvis Presley as he celebrated his 60th birthday. On Monday he was back at work as usual as a Duke pathology professor, where he has researched lung diseases and taught basic pathology to medical students since 1980.

"I never expected to live this long," Roggli says, "I'm having the best decade of my life. I do have limitations, but I am really enjoying myself."

Roggli's birthday was a milestone. He is the oldest F508 cystic fibrosis patient ever treated at Duke, and according to cystic fibrosis expert Jerry A. Nick, MD, of the National Jewish Medical Research Center, Roggli is one of just nine patients with F508 to have reached the age of 60.

"Vic certainly has beaten the odds," says his Duke physician **Peter Kussin, MD, HS'85-'89**, director of Duke's Adult Cystic Fibrosis Program. "Today the average life expectancy for all CF sufferers is 37-and-a-half years, and that includes everyone with the more minor forms of the disease."

Cystic fibrosis is an inherited chronic

disease that obstructs the pancreas and stops natural enzymes from helping the body break down and absorb food. It causes thick mucus to build up in the lungs, leading to breathing difficulty and lung infections. About 30,000 people in the U.S. have the disease.

Roggli says when he turned 21, "I felt pretty good so decided to go to medical school (Baylor). I read that most patients don't make it to 30, but when I turned 30 I still felt pretty good. I asked one doctor who said maybe I'd make it to 55. Well, here I am turning 60 and still doing pretty good."

Advances in antibiotics, nutrition, and lung airway maintenance are not the only reasons Roggli is living so long, says Kussin, who has been Roggli's physician for 20 years. "Part of it is his extremely positive outlook on life, his supportive family (wife



Roggli as Elvis

"Part of it is his extremely positive outlook on life... and to be honest, his karaoke."

– Peter Kussin

Linda, a daughter, and two step-sons), his sophisticated approach to wellness, and to be honest, his karaoke."

Roggli calls himself a mild-mannered Duke professor by day, and a "karaoke maniac by night." He attends karaoke events at least twice a week, and every other Saturday sings with friends for residents at a local nursing home. He even has won several karaoke contests.

"I just love it," he says. "When I was a kid I always loved singing along with the radio. At age 21 I bought a guitar and learned to play some chords. When kara-



Mild-mannered Duke professor
Victor L. Roggli

oke came out in the 1980s I got a machine and bought tapes and CDs."

All that singing is great exercise for the lungs, Kussin says. In fact, from 2000 until now, Kussin says Roggli has lost just 10 percent of his lung function and "that's pretty phenomenal."

The treatments Roggli receives are standard fare, Kussin says. Each day he takes an inhaled antibiotic, a pancreatic enzyme, an oral antibiotic, and a bronchodilator three times a day. Roggli carries with him a portable nebulizer.

Kussin says Roggli's story is an inspiration to his other cystic fibrosis patients, and he shares it often. "I tell my patients not to believe the statistics."

The Boomer Esiason Foundation, which advocates for the cure for cystic fibrosis, has featured Roggli in an audio podcast (www.jerrycahill.com/2009/07). It also featured him in a book called *Club CF*, a compilation of inspirational stories about cystic fibrosis patients.

"I feel like I've blazed a trail and made it to the summit, Roggli says. "I'm sure a lot of others will follow. I tell teenagers that they can have a nearly normal life. They can go to college, have a career, and raise a family. That is a strong message of hope."

– Jim Rogalski

1970s

Frank O. Bastian, MD, HS'68-'72, professor of veterinary science at Louisiana State University (LSU), currently is conducting research at the LSU Agriculture Center in Baton Rouge on the cause of mad cow disease. He also examines the scrapie virus in sheep and says he has found a "wall-less bacterium" to be the causal agent. His work has been published in *The Journal of Medical Microbiology*, *The Journal of Neuropathology* and *Experimental Neurology*, and in *Veterinary Ophthalmology*. He lives in New Orleans.

George B. Maroulis, MD, HS'67-'73, is chairman and professor of obstetrics and gynecology at the Demokritos University Medical School in Athens, Greece, and working on reproductive endocrinology and infertility. He has helped women who have cancer and want to maintain their fertility. Maroulis and his wife Thalia have a son, **Basile, T'08**, and live in Athens.

A. D. Gouliamos, MD, HS'76-'77, served as president of the European Society of Neuroradiology's 34th annual meeting and of the 18th advanced course, both held September 17-20, 2009 in Athens, Greece. Gouliamos lives and works in Athens.

1980s



▲ **Marla Tobin, MD, HS'80-'83**, has been appointed senior medical director for Aetna insurance company's Mid-America region, comprising 17 states. She previously was the local medical director. Tobin is known locally for founding Family Practice Associates of West Central Missouri, P.C. She is a board certified family physician, a certified managed care executive, and has been with Aetna for eight years. Tobin is a graduate of the University of Missouri-Columbia School of Medicine. She completed residency at Duke University, is a Fellow of the American Academy of Family Physicians, past-president of the Missouri Academy of Family Physicians, and has more than 15 years of experience practicing medicine in the community. She co-chaired the Greater Kansas City American Heart Association's 2009 Start! Heart Walk and is involved in other local medical causes in the Kansas City area. She lives in Warrensburg, Mo.

1990s

Gregory Fuller, MD, HS'87-'92, a professor of pathology and chief of the section on neuropathology at the University of Texas MD Anderson Cancer Center, has been elected president of the United States and Canadian Academy of Pathology (USCAP). The USCAP is the most prominent of the 54 divisions that comprise the International Academy of Pathology, with a professional membership of more than 11,000 pathologists. It is the largest organization of practicing pathologists in the world. He lives in Katy, Texas.

Oliver J. Muensterer, MD, HS'99, has relocated to New York City to join the faculty at the Weill-Cornell Medical Center as an associate professor of pediatric surgery. He and his wife Annette have three children—Dennis, Nadine, and Felix.

2000s



▲ **Keri L. Livingstone, MD, HS'97-'01**, and **Gary I. Keiner, MD, PhD, HS'00-'01**, welcomed their second son, Ari, in January. Married since 2008, the couple also has a son, Jordan, 2. The family lives in Miami Shores, Fla.

Craig Chepke, T'01, HS'09, and his wife Lindsey welcomed the birth of their first child, Owen, in January. Chepke is an outpatient psychiatrist with Rowan Regional Medical Center in Salisbury, N.C. The family lives in Concord, N.C.



▲ **Ben Waldau, MD, HS'04-'10**, has been selected as one of two recipients of the 2011 William P. Van Wageren Fellowship, offered for post-resident study in a foreign country. He will travel to Germany in July to study for one year with Professor Gerd Kempermann at the University of Dresden Center for Regenerative Therapies. Waldau will receive a \$120,000 stipend. The fellowship will enable him to work on a project involving isolation and propagation of dentate gyrus stem-like cells and transplantation of these cells into a mouse model of suppressed neurogenesis. He said he hopes his work will translate into breakthrough treatments for Alzheimers's disease and stroke. Waldau currently is an endovascular fellow at the University of Florida in Gainesville.



Full obituaries can be found on the Medical Alumni Association website at medalum.duke.edu.

Please click on the magazine cover, then click on obituaries.

Robert L. Baeder, T'41, MD'44, of Manchester, N.J., died February 22, 2011. He was 91. Baeder served as a battalion surgeon during World War II and was commissioned a captain in 1947. Following a four-year general practice in Lenoir, N.C., he and wife **Millie, BSN'43**, moved to Cedar Grove, N.J., where he practiced family medicine for 41 years. He was also an attending physician at Mountainside Hospital, with privileges at several other local hospitals. He was a life member of the American Academy of Family Physicians, Essex County Medical Society, and the Medical Society of N.J. (Golden Merit Award).

Paul C. Bennett Jr., MD'55, HS'55-'58, died January 8, 2011, at home in Goldsboro, N.C. He was 82. In 1959 Bennett opened a practice in family medicine in Goldsboro, where he took care of patients for 34 years. He was an active member of the medical community, and served as president of the Wayne Memorial Hospital staff and the Wayne County Medical Society.

Caron I. Christison, MD, HS'83-'86, of Redlands, Calif., died January 16, 2011, two months after being diagnosed with pancreatic cancer. She was 56. Christison was a member of the clinical faculty of Loma Linda University Medical School for 22 years, directed the psychiatry clerkship for more than 10 years, and received the psychiatry department's Distinguished Faculty Member of the Year award in 1998. Over the past decade, she devoted herself to the home schooling of her three children and became an expert resource for local and national home-schooling communities in choosing and individualizing curricula.

John A. Crago, MD, HS'53-'54, of Gainesville, Fla., died April 28, 2011. He was 91. During WWII, Dr. Crago served in the 30th Infantry Division in the Normandy Invasion and continued on through France, Belgium, the Netherlands, and to Germany through the end of the war. Later he became one of the first two physicians to practice internal medicine in Gainesville, where he practiced for 47 years.

Edmund C. Dyas, MD, HS'66-'70, of Mobile, Ala., died at home on January 23, 2011. He was 71. Dyas first came to prominence for his outstanding athletic ability. His college football career included being voted Southeastern Conference All-American and placing fourth in the Heisman Trophy running. Early in his medical career, he founded Mobile Bone and Joint (now the Orthopaedic Group) with his medical school classmate, Andin McLeod, MD. He served on numerous boards and committees in the medical community, as well as many civic and academic organizations.

Peter P. Gebel, MD, HS'64-'66, died April 12, 2011. He was 78. Gebel served in the Public Health Service as a physician. He worked at Watts Hospital while working at his own private practice in Durham. He was one of the twelve founders of the Eno River Association.

Tana A. Grady-Weliky, MD'86, DC, of Portland, Ore., died January 17, 2011, following a battle with cancer. She was 48. Grady-Weliky was associate dean for medical education at Oregon Health and Science University. She also served on the faculties of Duke University School of Medicine and the University of Rochester School of Medicine and Dentistry, where she also served as senior associate dean for medical education. She was a leader in the American Psychiatric Association (APA) and chair of the association's 2011 Annual Meeting Scientific Program Committee.

Edward G. Haskell Jr., MD'46, HS'46-'47, of Virginia Beach, Va., died February 1, 2011, after a brief illness. He was 88. Haskell set up his first medical practice in Branford, Fla., where he was the only doctor in the small community. He later lived in Tallahassee, Fla., where he was involved in medical organizations, civic activities, youth programs, and political affairs. His career also included holding faculty positions at the Medical University of South Carolina and Eastern Virginia Medical School. He also was heavily involved with Area Health Education Centers (AHEC).

Ralph M. Howse, T'52, MD'57, of Rome, Ga., died April 13, 2011. He was 83. The Rome urologist joined Harbin Clinic in 1962 and served as president of the medical staff at Floyd Medical Center in 1975. Dr. Howse also spent several years serving as a Rome city commissioner.

W. Campbell McLain Jr., T'39, MD'42, died April 17, 2011, in Columbia, S.C. He was 94. McLain's military career included serving with the 503rd Parachute Regimental Combat Team in the New Guinea and Philippines Campaigns from 1943-1945. He also served in the South Carolina Army National Guard from 1949 until retiring in 1977 from the position of State Surgeon. His awards and decorations include two Bronze Star Medals, a WWII Victory Medal, and a South Carolina State Service Medal. He practiced medicine in Columbia, S.C., for more than 20 years and spent approximately 20 years in emergency medicine at St. Joseph's Hospital in Savannah, Ga.

Frederick C. Norcross, MD, HS'69-'71, of Gastonia, N.C., died March 18, 2011. He was 72. After medical school at George Washington Medical School, he completed an internship at Portsmouth Naval Hospital and then became a U.S. Navy flight surgeon with the U.S. Marine Corps in Beaufort, S.C. He completed a pediatric residency at Duke. In 1971, he moved to Gastonia and joined Gastonia Pediatric Associates. He retired in 2005.

Ellison C. Pierce Jr., MD'53, of Boston, Mass., died of heart failure at Beth Israel Deaconess Medical Center in Boston on April 3, 2011. He was 82. Pierce was well known for his efforts to improve the safety of anesthesia. His push for electronic monitoring systems for patients under anesthesia was credited with saving numerous lives. The American Society of Anesthesiologists recognized his work by awarding him a Distinguished Service Award in 1997. His career also included serving as chair of the anesthesia department at New England Deaconess Hospital and as an associate clinical professor of anesthesia at Harvard Medical School.

William T. Rowe, MD, HS '74-'77, of Greensboro, N.C., died March 10, 2011, after a long illness. He was 67. Rowe served in the U.S. Army, where he achieved the rank of Major. He began his medical practice as a board-certified rheumatologist and internist with Greensboro Medical Associates in 1978. He was a Fellow of the American College of Rheumatology and a clinical professor of medicine at UNC-Chapel Hill School of Medicine.

Harry C. Sammons, MD'47, of Hermann, Mo., died Jan. 20, 201. He was 88. Sammons served in the U.S. Navy Reserves during the Korean War. He was an anesthesiologist and worked at St. Louis City Hospital for 1 1/2 years, then went to St. Joseph's Hospital in Kirkwood, Mo., where he worked for 32 years.

Charles D. Sherman Jr., MD, HS'45-'46, of Pittsford, N.Y., died February 8, 2011, at his home. He was 90. Sherman was a clinical professor of surgery at both the University of Rochester and Highland Hospital. He dedicated his life to advancing the treatment of cancer and was a skilled and compassionate surgeon. Some of the many organizations and societies to which he belonged include the American Board of Surgery, the American College of Surgeons, and the James Ewing Society (Society of Surgical Oncology). He also chaired two World Health Organization (WHO) conferences on cancer education.

J. Lawton Smith, MD'52, of Miami, Fla., died January 10, 2011. He was 81. Smith served as a Captain in the U.S. Air Force and practiced aviation medicine in Korea during the Korean War. He served on the ophthalmology faculty at Duke and later was one of the "founding five" of Bascom Palmer Eye Institute at the University of Miami Medical School, where he worked from 1962 until he retired in 1993. He founded the Christian Ophthalmology Society in 1977 and served as president until 1990. In 1978, he launched the Journal of Clinical Neuro-Ophthalmology.

W. Jape Taylor, MD, HS'48-'52, died at his home in Gainesville, Fla., on March 22, 2011, after a long illness. He was 86. Taylor moved to Gainesville with his family in 1958, becoming the first chief of cardiology at the new medical school at the University of Florida. He won numerous awards from his students over the years and retired in 1995. He was an active member of Physicians for Social Responsibility, International Physicians for the Prevention of Nuclear War, the United Nations Association, and many other organizations.

Clark J. Wang, T'84, MD'88, HS'88-'92, of Durham, N.C., died March 29, 2011, in Seattle, following complications from stem-cell transplant. He was 49. Wang worked as a psychiatrist at Dorothea Dix Hospital and elsewhere before his illness. He was associate principal cellist for the Raleigh Symphony Orchestra, principal and solo cellist with Long Leaf Opera Company, and principal cellist for the Durham Savoy Opera Orchestra. He was a volunteer for Duke Hospice, Survivor's Day at Duke, and Cornucopia House of Chapel Hill and performed at many local retirement communities.

Francis E. Winslow, Jr., MD'53, of Raleigh, N.C., died at his home on January 11, 2011. Winslow's military service included serving as an Ensign and in the U.S. Naval Reserve and as Lieutenant Junior Grade in the Medical Corps. He began private practice in Columbia, S.C., and moved to Virginia Beach, Va., before finally moving to Raleigh in 1961. His practice is now known as Blue Ridge Pediatrics. During his years of practice, he served as chief of pediatrics at both Rex Hospital and WakeMed. He served on the board of Rex Hospital and was a founding board member for the Tammy Lynn Center for Developmental Disabilities.

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Duke is proud of the growing cadre of professionals and volunteers who have dedicated their time and talents to improving the health of individuals around the world. Join a new network dedicated to Duke alums working in global health. This group will allow members to stay connected and to keep up-to-date on activities and resources offered through the Duke Global Health Institute.

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SUPPORTING THE MEDICAL ANNUAL FUND IS A FAMILY AFFAIR

for Kelly Walton Muir, MD'01, HS'02-'05, G'10, and Andrew J. Muir, MD'93, HS'93-'97, G'01

Duke Hospital and School of Medicine is where they became doctors, fell in love, and welcomed three daughters into the world. So it only makes sense to give back as family members of the Davison Club, say the Muirs. Kelly is an assistant professor of ophthalmology at the Duke Eye Center, where she specializes in glaucoma, and Andrew is an associate professor of gastroenterology and clinical director of hepatology in the Department of Medicine.

"Giving back is a way to thank the people who trained us, and to make sure today's students get the same excellent education and training," says Kelly.

Please support Duke medical education and training with your gift to the Medical Annual Fund. Your gift of \$1,000 (\$500 for young alumni—classes of 2001-2011, or \$1,500 for family membership) qualifies you for membership in the Davison Club, including an annual fall celebration. Make your gift online at medalum.duke.edu or mail to

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See inside for news about a major gift to the Learning Center
from a member of the Duke Medicine Class of 1935!

Learning Center Construction

Construction is well underway on the new School of Medicine Learning Center. The concrete footings are completed and foundation walls are being poured. Work will begin on the steel structure in mid-June and underground utility work will be conducted through summer and into fall. Work is also underway to renovate the West Steam Plant, and the Coal Pile has been permanently removed.

The \$53 million, six-floor, 84,000 square-foot Learning Center will house teaching and clinical labs, a ground floor auditorium, and flexible, state-of-the-art classrooms to accommodate team-based learning activities. The entire fifth floor will be dedicated to simulation laboratories, and a fourth-floor student life center will offer areas for dining,

social, and study activities.

Completion is targeted for late 2012, so that the entering class of 2013 will be the first to experience all four years in the new building. For more information and to contribute to the fund-raising effort, please visit medalum.duke.edu.

