It was one of those back-to-back meetings types of days — the kind with not even five minutes to spare between appointments. As his first early-morning meeting of the day concluded and his guest disappeared from sight, Ray DuBois, M.D., Ph.D., dean of the College of Medicine, stopped to ask a member of his staff, “How’s your husband doing?” The concern in his voice was heartfelt. With barely two minutes to himself, he didn’t run to grab a cup of coffee or fit in a phone call before the next person arrived. He listened intently to a description of how the man was doing one day after surgery — a man he’d never met. That, said his assistant Anita Harrell, is just who he is: a sincerely thoughtful, caring and considerate person.

In three short months, he’s built that reputation at MUSC. Humble, unassuming and genuinely nice are words used to describe him. “The dean is even known to pull up a chair, lean back and chat with us in the break room,” said another member of his team. “That’s certainly isn’t something you see every day.”

And while it may not be what one expects of a man of his professional stature and international renown, it is who he is. Accessible and open.

DuBois took the reins of the College of Medicine March 1. With multiple impressive positions of influence under his belt, he brought with him to MUSC expertise he’d honed at major medical centers across the country — behemoths such as Johns Hopkins, Vanderbilt and M.D. Anderson. Most recently, he served as the executive director of the Biodesign Institute at Arizona State University and co-lead of the Cancer Prevention Program at the Mayo Clinic, helping to build a robust partnership between the two institutions.

Cancer research has been his life, and he has no plans to retire from it. But now he’s got a dream job, he said, where he gets to continue his colorectal cancer research while working in a broader context.

“When most of my career has been spent hyper-focused on cancer, I’ve always wanted to be in a position to have an impact across the whole medical continuum,” he said. “The health care center requires that we have expertise in all areas. In this position, I can have an impact on orthopedics, family medicine, cardiology and all these other important subspecialties. What excites me most is having an impact on the next generation of physicians and scientists, because this crosses every specialty and subspecialty in the health care delivery system. This has me in a position to take what I’ve learned in all these other situations and apply it across a very complex health system and the College of Medicine.”

It is quite the career for a young man from Runge, a ranching and farming community of 800 people in South Texas. The first in his family to attend college, DuBois grew up wanting to teach agriculture at a Texas high school. While raising cattle and other farm animals on his family’s land, he participated in the 4-H Club and the Future Farmers of America. He attended college on a full scholarship awarded by the Houston Livestock Show and Rodeo after the steer he’d raised took first place in its region. That scholarship led him to Texas A&M University — the perfect place to study Ag Ed.

But life had other plans for DuBois.

During his sophomore year, he detoured from agriculture to biochemistry, and it wasn’t long until he was working in a lab — the
To all of our alumni who have made gifts since the beginning of the campaign, thank you.

If you would like to make a gift to a new or existing scholarship fund, you can do so online at https://netcommunity.musc.edu/medicine or call Terry Stanley at 843-792-3937.

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OPENING DOORS
Medical Scholarship Campaign

Progress Report
June 30, 2016

In an effort to combat the rising cost of medical education, years of state budget cuts and soaring student debt levels, on July 1, 2012, the College of Medicine launched the first fundraising campaign in its long history to focus exclusively on raising money for scholarships. Progress has been very encouraging and continues to exceed expectations. Having reached the original goal of $20 million in November of 2015, the College raised the goal to $30 million.

With 12 months left in the campaign, we are pleased to provide the following update for scholarship gifts received as of May 31, 2016:

- Number of donors who have made gifts or pledges to new or existing scholarship funds: 693
- Number of new scholarships established: 27
- Alumni participation rate: 9.78%
- Total Gifts (cash and stock) Received: $5,846,634
- Real Estate Received: $368,450
- Outstanding Pledges / Deferred Estate Gifts: $19,256,850

TOTAL GIFTS AND PLEDGES: $25,471,924

*Of the total sum given or pledged to date, $19,256,839 are planned/estate gifts. Of that sum, $8,839,189 should be received by the MUSC Foundation within the next 12 months as a result of estate settlements. These funds will be added to new or existing endowments.
beginning of a research path that, one brick at a time, would lead him to where he is today.

From cattle to cancer. He laughed when he thought about his journey. “Well, he said, “it wasn’t quite your normal progression.”

During a year-long undergraduate honors program, he was involved in two research projects. For the first half of the year he worked with lysyl oxidase — a copper containing enzyme required to strengthen the aorta. During the second half of the year, he investigated growth factors.

DuBois was hooked. “I got excited about a career in biomedical research, which inspired me to apply to grad school at the University of Texas Southwestern Medical Center at Dallas. We had to do rotations in different labs and attended science and clinical conferences. I got very interested in understanding the basic principles in cell signaling, realizing they might have a critical impact on a very important part of medicine.”

While earning his doctoral degree, he became interested in the important role of the liver in health and disease. His first graduate student to work in the laboratory of Mike Waterman, Ph.D., where he studied the molecular mechanisms of P450 and P450-side-chain-cleavage. “I did some of my primary work on liver drug metabolism, which really started my interest in the G.I. system,” he said.

In 1981, after earning his Ph.D., he attended medical school at the University of Texas Health Science Center in San Antonio, barely 60 minutes from his Runge home. Given his interest in liver metabolism, he spent summers during medical school working in the laboratory of hepatologist Ray Burk, M.D. From there, DuBois’ research interests deepened and expanded.

Today, one of the world’s leading colorectal cancer researchers, DuBois recognizes important points along his path that shaped who he is, both as a researcher and a person. After medical school, he went to Johns Hopkins University to do a residency and fellowship in gastroenterology. One of his rotations was in the cancer center — the polyposis clinic where entire families with certain genetic mutations came in and were examined and treated. Familial adenomatous polyposis (FAP) is a genetic condition that causes hundreds or even thousands of polyps to form in the colon or rectum. They begin to appear during the teen years and, if left untreated, often become cancerous by the time a person reaches age 40. People with this condition have a 50 percent chance of passing it on to their children.

DuBois would take the patient history and perform endoscopies, and also collect information on other family members, both alive and deceased. Their circumstances left an indelible mark on him. “I was a young resident and my patients in this rotation were dying like crazy. Most of their family members hadn’t survived past the age of 50 because of advanced cancer. I got to know these families, and it was such a tragic situation. I became really interested in trying to understand what was going on. Was there anything we could do to prevent this from happening? Could we develop a better, earlier diagnostic test to try and stave off the inevitable outcome of FAP and address the problem at an earlier age?”

He knew if these patients had colectomies at the right age, they could live fairly normal lives and be cancer free. “I thought to myself at the time, ‘We need to try to be able to figure out how to develop better treatments and early prevention and detection.’ That’s really when I got interested in the topic of colorectal cancer. It stuck, and I’ve been working on it ever since.”

Colorectal cancer is the second leading cause of cancer deaths. It is expected to cause more than 49,000 deaths during 2016. While numbers have dropped over the last few decades, he and his team continue to work tirelessly on studying molecular pathways for treating and preventing colorectal cancer and an array of other types of cancers.

Family Traditions

Shouldering such heavy responsibilities, DuBois believes in hitting the reset button throughout the year in order to unwind and charge his batteries. For him, that balance comes from the ones he loves. “The driving force in my personal life is my family. We have a really close extended family, and we try to do as many family activities together as we can.”

One tradition they hold dear is a family get-together at Thanksgiving in the Upstate. “We’ve been doing that for 35 years. My wife’s family all gets together on Paris Mountain, which is close to Greenville. For nearly a week, a group of up to 25 relatives are all together. We do all the cooking. We love it. In fact, everybody tries to out-do each other with their signature dishes.”

The dean has one he loves to prepare that has special significance. “I make a Thanksgiving dressing that my mom taught me how to make, just as my grandmother taught her. It’s a Texas dish — has lots of jalapenos in it, corn bread, chicken broth, celery, shallots. I make it, and then I let it sit for four or five hours — that’s the secret.” He’s always happy to share his recipe, he said with a smile.

Among his favorite parts of Thanksgiving week are the three- or four-mile walks his family takes around the mountain every day. “We’re really a chance to spend time talking and laughing. Different groups go at different times, so it gives everybody a chance to catch up.” One year, a big group of family and friends, 21 in all, went to the Galapagos Islands together and had a grand time, hiking, snorkeling and watching the wildlife and turtles. They take their traditions seriously.

That includes his side of the family as well. His mother still lives in Runge, and his sisters’ families continue to raise cattle in South Texas.
The DuBoises often try to spend Christmas in his childhood hometown. This past Christmas, however, he, his wife Lisa and their daughter Shelley took a trip to Antarctica with friends.

“It was an amazing experience. We literally saw hundreds of thousands of penguins and all types of sea birds. We hiked glaciers and kayaked in the Antarctic seas.” As magical as it was, Antarctica might actually fall into the “been there, done that” category. The 20–to 30–foot waves they had to endure in the Drake Passage, as they sailed back to South America, took their toll. “We were all extremely seasick,” he laughed. “On the other hand, it made us appreciate those brave explorers who made the same journey under the same conditions — only they were in rather flimsy wooden ships.”

His family loves to travel, and it’s a good thing, as his career requires quite a bit of it. DuBois said he had never traveled much beyond Texas until he went to graduate school. Now he feels blessed to have been to all seven continents. He’s given talks all over the world and has tried to bring his wife, son and daughter with him whenever possible.

Two professional meetings during the year are among his favorites. The German Cancer Research Center’s (Deutsches Krebsforschungszentrum or DKFZ) biannual meeting is held in Heidelberg. He serves on its scientific advisory board. “Heidelberg is so beautiful at Christmas — it looks like a movie. The whole town transforms into a Christmas card,” he said.

Another DuBois tradition over the past 25 years has been attending the Aspen Cancer Conference, where he serves on its executive committee. This conference comprises scientists from major cancer centers around the world, as well as from industry and government. Every year, two or three Nobel Laureates attend. The conference participants have become almost like family. “These are friends I’ve known for almost my entire professional career. Our kids have all grown up together. We’ve traveled together, been to their children’s weddings and are now celebrating a new generation of grandkids.”

DuBois believes travel is more than just fun; it’s critical to developing the full person. “Travel allows you to see how other people around the world eat, live, think. You can really get an appreciation of diverse cultures, activities and ideas that we don’t normally see here. Also, I’ve discovered in these international conferences that physician-scientists around the globe are more alike than we are different. All of us want to leave this planet a better place than when we arrived on it. We are working toward the shared goals of expanded knowledge and improved health for mankind.”

The dean’s daughter Shelley is a journalist, like her mother, and lives his Nashville. His son Ethan attends the Charleston School of Law, a situation that happened independently of DuBois’ decision to accept the position at MUSC, although the family already had a strong connection to Charleston. Lisa grew up in Greenville, but spent summers with the kids at Folly Beach. Her great aunt and uncle, Lillian and Harold Jacobs, were the original proprietors of the Charleston landmark, Harold’s Cabin, which has recently experienced a downtown reawakening.

Moving his lab to SC

Last week, DuBois moved his research lab from Arizona to MUSC. Several members of his team have already made the move to the Lowcountry and are busy unpacking and setting up the laboratory. At MUSC they will continue studying the molecular relationship between inflammation and cancer. DuBois has also brought funding with him as well, including two RO1 grants and a program project grant. He has a few more hires to make — technicians, research fellows, graduate and medical students — and hopes to have the lab up and running with a full contingent by the end of summer.

Over the course of his career, DuBois and his team have experienced great success. “We made a seminal discovery early in the 1990s, where we found an enzyme, cyclooxygenase 2 (COX–2), that was overexpressed in a number of colon cancers, and it turned out to be an enzyme that’s affected by aspirin and other non–steroidal anti-inflammatory drugs. Aspirin inhibits COX–2, which is found in cells that are stimulated to grow and over-multiply.” That breakthrough, he said, solidified his research topic from an early stage.

“We really wanted to understand what regulated that gene — what kinds of drugs had the most impact on it. And if we treated animals with cancer, what results would we get? COX–2 is an inflammatory pathway gene, so we were looking at how inflammation and cancer interact and how we can take advantage of that by modulating — either treating with drugs or manipulating the immune system — to have an effect on the cancer process. And we’re still working on that problem. It’s a long–term effort.”

What’s truly excites him is when others take his work and build on it or take it in new directions. “One of the things you learn about science is that you can carry the torch for a certain period of time, but when you publish something, and the whole world sees it, then other people can pick up the torch and take it a little bit further.”

He recounted an example where an idea for a clinical trial came from work he had done years ago. “A few years ago, a group in the United Kingdom did a study looking at patients with some of the high–risk diseases that I worked on when I was very early in my training at Hopkins. In their study, they treated those patients with aspirin or placebo and found a 52 percent reduction in the incidence of cancer in the population taking aspirin. That was very exciting to me.”

Equally exciting is the fact that the U.S. Preventive Health Services Task Force has approved the use of aspirin in people who are at high risk for colon cancer and also high risk for heart disease.
“That’s the kind of thing that really makes you happy — when you’re in an area that has had that kind of an impact. It’s not just me — it’s our group. But when other researchers see the data we have published, they pick up the torch and look to see how they can contribute. The way that science works best is to share these ideas and do what you can together to connect the pieces of the jigsaw puzzle and understand the whole picture.”

In addition to research, DuBois is also dedicated to mentoring. Over the years, he’s seen his mentees achieve extraordinary success and takes great pride in that. He started a mentoring program at M.D. Anderson that brought in experts to talk about leadership, time management and work–life balance. The program also paired accomplished investigators with young emerging scientists. He strongly supported a leadership academy that focused on grant writing and review workshops. He enjoys bringing those types of activities to the table and hopes to continue doing so at MUSC. “It’s an area I’m extremely passionate about,” he said. “It goes back to guiding the next generation of physicians and scientists so they will be prepared to carry the baton passed down from us old guys and gals.”

As he transitioned to his role as dean, he has added another arrow to his quiver: fundraising. On his front burner is bringing in new scholarships for medical students through the Open Doors Campaign. He wants to help relieve the stress of students having to pay back hefty medical school loans.

“I know what they’re going through. My wife worked to put me through medical school, and we still had loan debt that took us a long time to pay off,” he said. “If we can reduce students’ debt, then they won’t have to worry about choosing a specialty based on the pressure to make a lot of money quickly. Instead they can follow their passion and pursue research and practices that fill important needs in this state. Our MUSC students are just spectacular. They are going to make terrific contributions to health care. Those of us in the administration and in the community should take steps to relieve their financial burden, so they can put their training to use, which will benefit us all.”

“*The greatest reward for doing is the opportunity to do more.*

Consider leaving a scholarship with a gift from your estate to MUSC College of Medicine. If you have already done so, please contact our office so that we may celebrate you!

To have a confidential conversation, please contact
Candace Gillespie, Director of Development at 843.792.9243
or Linda Cox, Director of Gift Planning at 843.792.9562.
The English philosopher Francis Bacon once said, “In Charity there is no excess.” That’s a sentiment William B. Evins, M.D., a 1960 MUSC graduate of the College of Medicine and former orthopaedic resident, obviously took to heart. Thanks to Evins’ generous gift, MUSC has been able to build a state-of-the-art educational research facility, which will serve to hone the skills of the next generation of physicians.

MUSC dedicated that new facility, the William B. Evins, M.D., Center for Anatomical Studies and Education Orthopaedic Bioskills Laboratory, on April 26.

The Center for Anatomical Studies and Education (“CASE”) hosts MUSC’s anatomical gift program, which enables individuals to donate their bodies to advancing medical science and provides important training across all six colleges. For surgical residents, the new CASE Bioskills Lab will provide a crucial element in surgical training by allowing the transfer of skills learned in simulated training and didactic sessions to real tissue with no time limits, no patient risk, maximum frequency and consistency of training opportunities.

Shane Woolf, M.D., associate professor in the Department of Orthopaedics, said he and CASE director Thierry Bacro, Ph.D., PT, had the idea for the lab half a decade ago and were thrilled to see it take shape. “Five years ago, Thierry and I were in gross anatomy lab one evening after work, and he looked at me and said, ‘You’ve got to get out of my lab,’ Dr. Woolf said. It was out of that comment that this idea was born. Bringing it to fruition has been a lot of work and a labor of love.”

The two work well together, Bacro said, calling Woolf his “partner in crime.”

Ray DuBois, M.D., Ph.D., dean of the College of Medicine, expressed his gratitude to Evins and everyone involved. “We really appreciate the donation that made this possible,” he said. “This laboratory is important for the college and for MUSC. It will provide an environment where we can train the next generation of physicians with skills they can’t just learn as they go. You don’t want doctors working on patients until they have the chance to hone their skills, and they’re at the top of their game.”

DuBois said Evins’ support means a lot to MUSC, not just in terms of money, but in terms of morale. “Bill, having gone through medical school and orthopaedic training here, wanted to give back to the institution,” DuBois said. It is incredibly meaningful and really validates what we’re all about.”

Terry Stanley, associate dean for development in the College of Medicine, said advancing education is one of MUSC’s most important goals, and this lab will play an important role in that ever-expanding mission. “This is an incredible facility. We’re very proud to see Bill Evins’ name on it and very grateful for his generosity, which is responsible for making it a reality.”

The new lab will bring the study of anatomy into the 21st century by allowing orthopaedic specialists, residents and medical students to practice with cutting-edge techniques and devices before using them on patients, said Stephen Duncan, D.Phil., chairman of the Department of Regenerative Medicine and Cell Biology and SmartState Chair in Regenerative Medicine. “As we create new devices through the study of regenerative medicine, we increasingly require a practice environment like this. Having a place to translate basic findings from research laboratories into the clinics allows us to have a flow of knowledge between research and practice.”

That flow of knowledge, he explained, between basic science and innovative medicine is at the heart of each of MUSC’s core missions.

Vincent Pellegrini, M.D., chairman of the Department of Orthopaedics and the John A. Siegling Endowed Chair in Orthopaedic Surgery, echoed Duncan’s sentiments, saying the lab will facilitate practical applications for important research. “This marriage of basic science and the clinical departments will enable us all to be more successful in what we do,” Dr. Pellegrini said.

Evins himself was grateful for the opportunity to lend his alma mater a hand. “I’m very pleased to give back to those who have helped me,” he said. “I hope the young doctors just starting out gain some benefit from this lab. I think they will.”
Alumni Loyalty Fund Travel Grants lead to valuable experiences and national awards

The 2015-2016 academic year, the Alumni Loyalty Fund (ALF) Travel Grant Program provided 40 travel grants, totaling $15,000, to College of Medicine students. Started in 2013, the ALF Travel Grant Program has proven both popular and valuable as a learning experience for students in need of financial assistance to travel to medical conferences and seminars.

Two of these grateful students are Kendall Headden and Vasanthan Kuppuswamy.

Kendall is now beginning her third year of medical school. Last February, she traveled to attend the Southern Society for Pediatric Research conference and present her research, “Diabetes Clinical Interventions Improve Patient Outcomes.” She found the experience very rewarding.

“I would like to express my appreciation for the opportunity to travel to the SSPR Conference to present my research,” said Headden. “This was the first oral presentation I have given at a national conference, and I was the only medical student given the chance to do so in my field. I was able to present my research to 40-50 residents and attending physicians. I also had the chance to attend other lectures and presentations at the conference. I was able to meet and talk with many physicians and residents from various programs throughout the southeast. It opened my eyes to other programs in the Southeast that I will look into as possibilities for residency. Thank you again for this wonderful opportunity to expand my education outside of the classroom.”

Last October, Vasanthan Kuppuswamy, received an ALF Travel Grant to attend the American Academy of Pediatrics National Conference in Washington, D.C.

“This was the first time I had ever been to a conference of this size,” said Kuppuswamy, now a fourth year medical student. “It gave me a wonderful opportunity to participate in a wide variety of sessions, meet and network with faculty members in pediatrics, see some of the pediatricians I had worked with on global health related projects before medical school and present my research. The highlight of my trip was getting to present a poster on a research study I worked on between my first and second years of medical school.”

Working with Dr. Andrea Summer in MUSC’s Department of Pediatrics and other pediatricians and biostatisticians, Kuppuswamy presented his work entitled “Effect of a home-based intervention by trained community health nurses on immunization rates, exclusive breastfeeding, growth parameters and hospitalizations for respiratory and diarrheal illness – a pilot randomized controlled trial.”

He presented his work in the Section on International Child Health, and it was selected as the best overall poster presentation in the section among 31 entries.

“It was a very proud moment for both me and my collaborators,” he said. “I am incredibly thankful for the generosity of the alumni in who provided funds for me to be able to travel and participate in this conference.”

Later in 2016, Kuppuswamy went on to win two national awards with this work. Read more about his work and awards on page 22.

“I’m incredibly thankful for the generosity of the alumni in providing funds for me to be able to travel and participate in this conference.”

- Vasanthan Kuppuswamy

Kendall Headden
Class of 2018

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- Vasanthan Kuppuswamy
Spence Taylor, M.D., FACS (COM ‘83, HS ‘88) received the H. Biemann Othersen, Jr., M.D. Distinguished Alumnus Award at this year’s Curtis P. Artz MUSC Surgical Society Dinner on April 28. Dr. Othersen, who presented the award, had been a mentor of Dr. Taylor’s and described him as someone who “runs on all 12 cylinders” and “rarely stops.”

Spence Taylor receives H. Biemann Othersen, Jr., M.D. Distinguished Alumnus Award

By Lauren Hooker

Spence Taylor has dedicated his career to advancing the academic landscape of medical education in the upstate of South Carolina. Dr. Taylor currently serves as vice president of physician engagement, chief academic officer, and President of the GHS Clinical University at Greenville Health System.

Under his leadership, GHS has experienced unprecedented growth and advancement in academics, including the opening of the University of South Carolina School of Medicine Greenville, the development of a one-of-a-kind academics and research model called the GHS Clinical University, and the designation as an academic health center.

Dr. Taylor’s vision for the future of this Clinical University, which pairs traditional university rivals in a shared academic health center, is to transform healthcare in the upstate, with Clemson University serving as the research partner, University of South Carolina for the clinical side and Furman University serving the undergraduate population. In 2013, GHS was named an academic health center through a partnership with Clemson, USC and Furman. This novel relationship between the three universities with GHS serving as the anchor leverages the resources of a relatively small state in a positive way.

Dr. Taylor earned his B.S. from Clemson University, his M.D. and general surgery residency from the Medical University of South Carolina in Charleston and his vascular surgery residency at Baylor College of Medicine in Houston under the direction of Drs. Michael DeBakey and Stanley Crawford.

In 1992, after an active duty tour in the US Air Force, he joined the Greenville Health System in Greenville, S.C., where he has spent his entire career. As an academic physician leader, Dr. Taylor has cared for hundreds of patients and is a member of numerous academic organizations in surgery, having held leadership positions in several.

Dr. Taylor also led GHS’ Department of Surgery as Chairman and Program Director, expanding the general surgery residency, creating the state’s first vascular surgery residency, and developing a minimal access surgery fellowship and vascular medicine fellowship.

At GHS, he has served as Designated Institutional Official for Research. Dr. Taylor is an adjunct faculty on the GHS Academy of Leadership and Professional Development, designed to provide resources to prepare professionals and executives for new levels of leadership in the field of health care and...
In addition to his roles with Greenville Health System, Dr. Taylor has served as Senior Associate Dean for Academic Affairs and Diversity for the University of South Carolina School of Medicine Greenville. He has received multiple teaching awards, and has authored or co-authored over 125 peer-reviewed publications. As an academic vascular surgeon, Dr. Taylor has extensively studied and lectured on the functional outcomes after intervention for lower extremity peripheral artery disease.

In 2015, he served as President of the Southern Surgical Association (SSA). Dr. Taylor is the first Greenville surgeon, and only the second surgeon in South Carolina, to serve as SSA president. In addition to the SSA, Dr. Taylor has served in numerous distinguished positions with other surgical societies, including his current role as an American Board of Surgery director. Dr. Taylor is married to the former Marie Lucius, has four children and one grandchild.

“Spence always ran wide-open on all 12 cylinders. He rarely stopped.”

-H. Biemann Othersen, Jr., MD
Professor Emeritus of Surgery and Pediatrics
Emeritus Chief of Pediatric Surgery
Chairman, Curtis P. Artz MUSC Surgical Society

A LETTER FROM THE CHAIRMAN

Rare are the men of medicine who are true originals.
Who becomes a Program Director?
Who becomes a Department Chairman?
Who becomes a Dean?
Who becomes an Institutional Research Official?
Who becomes a Vice President?
Who becomes a President of a Clinical University?
It’s women and men like Spence Taylor. Those with progressive minds who dare to be bold enough to move forward on the strength of their convictions; bold enough to keep moving forward in spite of many obstacles.
Spence is such a man.

His leadership, passion, tenacity and resiliency resulted in something so remarkable that it transformed the quality of health care for countless people living in the upstate of South Carolina.

It is only fitting that we honor Dr. Spence Taylor, ’83, ’88 with the 2016 H. Biemann Othersen, Jr, MD Distinguished Alumnus Award. Please join me in congratulating Dr. Taylor for this richly deserved distinction.

Prabhakar Baliga, MD, FACS
Fitts-Raja Professor of Surgery
Chairman, MUSC Department of Surgery

We’d love to hear from you.

WHAT’S NEW?

Whether it is about a move, a new job, retirement, an award, a new family member or anything you would like to share, we’d love to hear what’s new with you.

Please send your professional and personal news (and pictures!) for CLASS NOTES to:
Michaela Coleman • MUSC College of Medicine • 261 Calhoun St., MSC 182 Charleston, S.C. 29425
Email: colemamm@musc.edu

Or log on to our website: www.musc.edu/alumni/stay_connected.htm
Paul Whitesides, Jr., M.D., ’77, honored with award from Diabetes Foundation

The Juvenile Diabetes Research Foundation Coastal Carolina Branch presented local endocrinologist and diabetes advocate Paul Whitesides, Jr., M.D. with its 2016 Living and Giving Award at the JDRF Hope Gala in May. The Living and Giving Award is presented each year to a family, individual or local business who has contributed to the success of JDRF’s mission to find a cure for Type 1 diabetes.

Whitesides was honored for his “more than 30 years of commitment and dedication caring for people in the greater Wilmington, N.C. area living with Type 1 diabetes,” according to a news release, which further stated that the physician was the first endocrinologist to establish a specialized diabetes practice in the Wilmington area.

Whitesides graduated from Duke University with a degree in chemistry and earned his medical degree in 1977 from the Medical University of South Carolina College of Medicine. He completed his medical internship and residency at the Medical College of Virginia and later held a fellowship in endocrinology at Duke University.

Whitesides moved to Wilmington in 1982 to establish an endocrine practice. He joined Hanover Medical Specialists in 1988 and later moved to Wilmington Health, where he practiced until his retirement in 2015.

Donna Kern, M.D., ’96 named Senior Associate Dean for Medical Education

Dr. Ray DuBois, Dean of the College of Medicine, has named Donna Kern Senior Associate Dean for Medical Education for the College of Medicine.

A 1996 graduate of the College of Medicine, Dr. Kern is an associate professor in the Department of Family Medicine and has been a key member of the undergraduate medical education team at MUSC for many years. She joined the MUSC Department of Family Medicine in 1999 and has served the College of Medicine as the associate dean for curriculum integration and implementation, Clinical Sciences and the assistant dean for patient safety and simulation. She is known for her passion for and dedication to our students and the educational mission, and by her strong commitment to innovation. In her new role, Dr. Kern will be reporting directly to the dean and will be responsible for oversight of critical areas, including the undergraduate medical education curriculum, student affairs, admissions, and assessment and evaluation.

Alexander W. Ramsay, M.D., ’78, named 155th President of the SCMA

Columbia, SC – Alexander W. Ramsay, M.D., a urologist practicing in Charleston, was installed as the 155th president of the South Carolina Medical Association (SCMA) during the 2016 Inaugural Ceremony held on April 30 in Myrtle Beach.

Dr. Ramsay began his medical career by attending the University of South Carolina for his undergraduate degree. He earned his medical degree in 1978 and completed his residency in 1983 at the Medical University of South Carolina.

Currently, Dr. Ramsay practices at Lowcountry Urology Clinics in North Charleston. He has held multiple leadership positions in his clinical capacity and currently serves as the Quality Assurance Chairman for Bon Secours St. Francis Xavier Hospital. He is a member of the American Medical Association, the Charleston County Medical Society, the Society of Government Urologists, the South Carolina Urological Association, the American Urological Association, and the Southeastern Urological Association.

As a physician dedicated to organized medicine, Dr. Ramsay has held numerous leadership roles the South Carolina Medical Association, as well as other local and specialty-specific medical organizations. Previous roles have included: president of the South Carolina Urological Association, chief of urology at three of Charleston’s hospitals, president for Charleston County Medical Society, board member for Roper Hospital and Care Alliance Health System, among much more.

During his presidential year, Dr. Ramsay will focus on a variety of issues important to medical community in South Carolina, including: promoting the importance of involvement in organized medicine, ensuring that physicians remain the paramount provider in health care, helping physicians understand the legislative and federal issues affecting their practices and, of course, helping physicians in South Carolina practice the best medicine possible.

As president, Dr. Ramsay will lead in setting the SCMA’s legislative priorities for the upcoming year, serve as the true leader and spokesperson of the profession of medicine in South Carolina, and visit the various sections of the state and meet with the Trustees and their respective societies in an effort to advance the work of the SCMA.

About the South Carolina Medical Association

The SCMA, comprised of nearly 6,000 physicians, was founded in 1848 and is the voice of the medical profession in South Carolina. Its purpose is to support the efforts of South Carolina physicians and to advocate for quality medical care and good health on behalf of the citizens of South Carolina, as well as to represent and serve the interests of physicians.
E. Benjamin Clyburn, M.D., ’89, named Senior Associate Dean for GME and CME

On June 2, Dean DuBois announced that E. Benjamin Clyburn, M.D. will now serve as senior associate dean for GME and CME for the College of Medicine. In his new role, Dr. Clyburn will be reporting directly to the dean and will be responsible for oversight of College of Medicine’s graduate medical education and continuing medical education efforts and initiatives. Dr. Clyburn will continue to serve as the program director of MUSC’s Internal Medicine Residency Program.

Dr. Clyburn is a professor of medicine in the Division of General Internal Medicine & Geriatrics. After receiving his M.D. degree from MUSC in 1989, Dr. Clyburn completed his residency and chief resident year at the Bowman-Gray School of Medicine/North Carolina Baptist Hospital.

Dr. Clyburn is a member of the Society of General Medicine, the Association of Program Directors of Internal Medicine and the Charleston County Medical Society. He is a fellow of the American College of Physicians, and was chosen by his students and peers to be a member of Alpha Omega Alpha, the medical honor society. He has been the recipient of a number of other honors including “Best Doctors of America” and the “Golden Apple Award”.

He continues to have an active medical practice focusing on the care of adults in the general Internal Medicine setting with a special interest in hypertension.

Angela R. Dempsey, M.D., ’02, named Associate Dean for Curriculum-Clinical Science

Angela Dempsey, M.D., M.P.H., has been appointed to the important role of associate dean for curriculum-clinical science. Dr. Dempsey is an associate professor and clerkship director in the Department of Obstetrics and Gynecology. An MUSC 2002 graduate, Dempsey completed her residency in Obstetrics and Gynecology at University of Colorado, followed by a Fellowship in Family Planning and a Masters of Public Health at Columbia University in New York. In 2008 she returned to MUSC where she has implemented new programs and curricular change in both resident and medical student education. She has received several education awards including the Association of Professors of Gynecology and Obstetrics Teaching Award, the Council for Resident Education in Obstetrics and Gynecology Teaching Award, the Leonard Tow Humanism in Medicine Award, and several nominations for Golden Apple Awards.

Martha Bishop Pitman, M.D., ’86

Martha Bishop Pitman, M.D. has been promoted to full Professor of Pathology at Harvard Medical School. Dr. Pitman graduated from MUSC in 1986 and completed her anatomic and clinical pathology residency training at the Massachusetts General Hospital and cytology training at the Karolinska Institute in Stockholm, Sweden. She joined the staff of MGH in 1991. Dr. Pitman co-founded the pathologist-run fine needle aspiration (FNA) biopsy service at MGH in 1991, the first FNA service in New England. She became director of the FNA service in 1994, established an independent FNA clinic in 2002 and integrated ultrasound guidance in 2010. This rapid, cost-effective point of care service expedites patient treatment and triage within the patient care team and precludes the need for repeat visits for more expensive invasive diagnostic procedures. In 2011, Dr. Pitman became the Director of the Cytopathology Laboratory.

Dr. Pitman is an internationally-recognized expert in the field of cytopathology in general, and pancreaticobiliary cytopathology in particular. Her contributions to the field have centered on the value of cytology in preoperative diagnosis of premalignant pancreatic lesions at high-risk for malignancy. Her work was the first to correlate the cytological findings with histological grade of intraductal papillary mucinous neoplasms (IPMN), the first to highlight the value of cytology to the multidisciplinary approach to diagnosis and management of patients with pancreatic cysts, the first to correlate and define the cytological features of premalignant cells at high-risk of malignancy, work that contributed to the revision of international guidelines for the management of pancreatic mucinous cysts, and the first to define the cytological criteria for the classification of epithelial cells in IPMN. She has led an international and multidisciplinary group of physicians in the development of the Papanicolaou Society of Cytopathology Pancreaticobiliary Guidelines, which address indications, techniques, standardized terminology and nomenclature, ancillary testing and post-biopsy management of patients with pancreaticobiliary lesions. She developed a terminology scheme for pancreaticobiliary cytology that classifies cytological interpretations in a manner that correlates diagnosis with risk of malignancy and evolving patient management options. Her expertise in the field has led to invitations to lecture and teach pathologists and trainees around the world in state-of-the-art diagnostic techniques for pancreatic lesions for most of the leading national and international organizations in surgical and cytopathology. She has held many leadership positions in national and international cytopathology organizations, including president of the Papanicolaou Society of Cytopathology.
Young transplant surgeon wins prestigious NIH award

Lauren Hooker | MUSC News Center | March 7, 2016

Dr. Prabhakar Baliga, left, says Dr. Satish Nadig’s award from the National Institutes of Health arrives at a time when such funding is hard to come by.

Satish Nadig, M.D., Ph.D., a promising young researcher and entrepreneur at the Medical University of South Carolina, has received a prestigious award from the National Institutes of Health. It will give the transplant surgeon more time in the lab to pursue an innovative approach that could minimize the harmful effects of immunosuppressant therapy.

The Mentored Clinical Scientist Research Career Development Award, also known as a K08, provides more than $580,000 in funding for Nadig’s work over a three-year period. The idea is to cover a lot of costs, so young researchers have the freedom to study and work with the help of mentors to give them the experience to become independent investigators.

Prabhakar Baliga, M.D., chairman of the Department of Surgery, said Nadig’s award comes at a time when such funding is hard to come by. “The number of surgeons receiving NIH funding has decreased significantly over the past decade, and the number who perform and get rewarded for more challenging basic science work is a smaller number,” Baliga said. “Dr. Nadig’s innovative approach is transformative and a radical change in how we approach post-transplant immunosuppression.”

Nadig will focus on finding a way to help people who receive organs through transplant surgery avoid the possible side effects of the anti-rejection drug rapamycin. Because it’s an immunosuppressant, it can lead to infections and heart disease. Nadig hopes to change that.

“The K08 study will focus on a targeted delivery system using nanoparticle therapy for rapamycin - packaging, delivering and releasing the drug at the level of the transplanted graft as a means of local immunosuppression, thereby eliminating the systemic side effects,” Nadig said.

“Historically, transplant surgeons have been the ones who have contributed many significant advances to the science of transplantation through basic science research,” Nadig said. “So to continue advancing the science, the junior faculty needs a way to learn how to do research at the NIH level. This program provides for that learning experience through conducting meaningful research under the supervision of a senior faculty mentor.”

The K08 grant will allow Nadig to set aside 75 percent of his time for career development research. His study, called “Nanoparticle Therapy for Targeted Drug Delivery in Organ Transplantation,” includes the mentorship of Carl Atkinson, Ph.D., with whom he co-directs the Transplant Immunobiology Laboratory, and Ann-Marie Broome, Ph.D.

Nadig said it’s critical that junior faculty members learn research methodology early in their careers. “How else are we going to be able to continue to advance the field, if not for the new faculty?” He hopes to find a way to use the medication in a specific place instead of allowing it to circulate throughout the body. Often, the clinical demands are imposing and the surgeon-scientist has difficulty finding time to not only conduct research but also learn from their mentors. I feel very fortunate to have the opportunity to be supported by Dr. Baliga, a leader in the field of transplantation, and have the endorsement of the Department of Surgery at MUSC, where basic science and translational investigation are highly valued.”

Nadig said he’s honored to receive the award. “It’s the perfect example of the value the NIH puts on mentorship in research. Studies show that junior faculty members who are awarded a K08 early in their careers will advance in their research capabilities, often receiving an R01 award, the most prestigious research award the NIH offers, within a few years of the K08 award.”
Nadig has received other awards and recognition. Most recently, during the January 2016 annual American Society of Transplant Surgeons meeting, he was awarded the Vanguard Prize for his paper titled, “Immunosuppressive Nano-Therapeutic Micelles Downregulate Endothelial Cell Inflammation and Immunogenicity.” In October of 2015, the Charleston Regional Business Journal named Nadig one of Charleston’s “40 under 40,” and in May of 2015, ToleRaM Nanotech, LLC, a company co-founded in 2013 by Nadig, Broome and Carl Atkinson, Ph.D., was selected to participate in the SCRA Technology Ventures’ South Carolina Launch Program. ToleRaM also won an international Emerging Company award.

Nadig graduated from the MUSC College of Medicine in 2003 and was awarded a Doctor of Philosophy–Transplant Immunology degree by the University of Oxford in 2008. He did postdoctoral training in general surgery at Beth Israel Deaconess Medical Center at Harvard University Medical School and a fellowship in transplantation surgery at the University of Michigan Health Systems.

Lauren Hooker is a communications specialist in the Department of Surgery.

Doctor returns to MUSC to talk about 'Superwoman complex'

Dawn Brazell | MUSC News Center

With a red No symbol emblazoned across the word ‘Superwoman,’ 2004 College of Medicine alumna C. Nicole Swiner, M.D., has some explaining to do.

The family physician, wife and mother of two, author, conference planner, social media guru and businesswoman juggles on a superhuman level that would seem to run counter to the theme of her recent book: “How to Avoid the Superwoman Complex.”

Swiner spoke on that topic in a session that was open to the public at the Medical University of South Carolina March 25. The physician, who co-owns a private practice in Durham, North Carolina, noticed her patients and the public seemed interested in her blogs and a local newspaper column she wrote about health issues ranging from diabetes to depression. She began speaking at community events and sharing healthy living tips on social media and gained a following.

She realized she was doing medicine in a different way, holistically, and patients were liking it.

“Since becoming a doctor, I’ve become a wife, and I’ve become a mom of two girls, and I have been just learning how this all fits together. Trying to balance all of this can be very challenging. So I shared some of my personal stories: how was it coming back to work after maternity leave and having your first baby, and how I’m trying to balance this business and being home in time for dinner.”

She saw some of the same struggles in her patients. She encouraged them to tell her their stories. She noticed how it affected their health.

“You can throw medicine at people all of the time, but if you never fix what’s wrong with them emotionally, nothing will really ever change,” Swiner said.

A case in point was one of her morbidly obese patients, who was a borderline diabetic and had high blood pressure. For the past two years she wanted to get serious about her health. “We talked about the root cause of her overeating. It had a lot to do with a failed relationship and with depression. Once we started focusing on her depression, she started to pick up that motivation, was encouraged to eat better and exercise.”

Swiner’s patient lost 50 pounds and was able to come off her medication. “That’s the kind of stuff I’m talking about,” she said.

Swiner said she can relate almost any medical condition back to stress. Many women fail to take care of themselves mentally, physically and emotionally. It was one reason she wrote her book and began landing speaking engagements at conferences.

“It’s been so exciting to be able to touch people with medicine in a different way, particularly for women because I see so many women struggling right now,” Swiner said. “Women deal with stress in very different and specific ways than men do. If we can fix the
That realization was inspired by experience. Born in Columbia, Swiner has family roots in Charleston. She enjoyed going to medical school at MUSC. It’s where she learned one of her first important life lessons: Ask for help when needed.

When she was a first-year medical student, she remembers being overwhelmed by all the new information. She struggled to adjust her study habits, and fortunately found some great mentors.

“One encouraged me to use the student center and taught me the right way to study based on my personality. Medical school is a whole different animal. They had to teach me how to study for what was best for me. That saved my career. Reach out and ask for help if you need it. You have to learn the best way for you to learn. Don’t struggle alone.”

The same holds true for her patients. When Swiner learned that a UNC-owned family practice she worked for was relocating to a “richer” neighborhood, she decided she would break out on her own with a partner in a private practice. “So we said, ‘No, we love it here and love our patients,’ and we’ve been successful for the last six years in a row.”

She also appreciates the role-model value she brings to the community. Her practice serves a lower socioeconomic area with a heavy percentage of minority patients. “I think I’m someone they don’t normally get to see in this role, and I think that’s important, especially for my younger minority patients to know they can do something if they have a dream. They can make it happen no matter what their circumstances.”

Swiner stays involved in community events and charities. Her goal is to make family medicine more accessible and to see better reimbursement rates for primary care doctors, whom she sees as being in the trenches. “We’re the soldiers. We have to sift through this muck and mire to make sure our patients understand and often we get paid the least to do the most work. People need to have access to good quality health care.

“I hope more doctors will think outside the box and see the patient more holistically, emotionally and physically, versus just the ‘part’ they are charged with taking care of.”

One way she’s thinking outside the box is using social media to get out her health messages. It’s been a powerful tool for her in addition to speaking at conferences. One of her last conference sessions was themed, “Do it afraid.”

“It has a lot to do with making those changes that you know you want, and you should do, but you’ve been hesitating for some reason. It’s always something that’s not quite perfect for you to make that jump. The point is that there is never the perfect time to do that thing, so why not just do it? You might actually succeed,” Swiner said.

Her faith sustains her in many ways, Swiner said, adding that doing family medicine feels like a ministry to her.

“You have to figure out what that thing is that gives you an adrenaline rush. It literally is an intuition and a feeling that you have when you’re doing something, when you get the ‘aha’ moment, and you’re like, ‘This is it, this is why I was put on this earth.’ I get satisfaction out of this. It’s about the feeling that you get that tells you what your passion is.”

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**CLASS NOTES**

**1946**

David D. Brockman

I have recently sent my third book to a publisher. The title is, *A Psychoanalytic Interpretation of the Divine Comedy.*

**1958**

Grady H. Hendrix

I’m alive and well here and go in everyday (MUSC and the VA!) and participate in med/card functions and life.

**1993**

David Winston (PhD ’91; MD ’93)

As a forensic pathologist, I have often heard, “you should write a book.” So I gave into peer pressure and have co-authored a murder mystery set in the Sonoran desert. The title is “Crossing the Line” by A.L. Gomortis. It is available as an e-book via Amazon, Barnes & Noble, iTunes and Kobo for $3.99.

**1996**

Abigail W. Blackmon

We have a fifth child - Lenia, birth year 2002, we think... she has been home with us since May 2014. She is from the mountains between Leogane and Jacmel, Haiti. Also, I am the medical director for Harvest Field Ministries, which serves the community of VERY rural Les Anglais, Haiti. We staff a clinic every three months, have a set formulary of meds and use protocols to ensure consistent treatment. We are nearly FIVE years into providing consistent, quality primary care to these precious people. I am ALWAYS looking for volunteers... of any type (medical, non-medical)... would really love to reconnect with old friends and share this most beautiful place and people!

**2002**

Anna H. Shuler-Shalkham

Lexington Medical Center informs us that Dr. Anna Shuler-Shalkham has been selected to serve as their chief medical informatics officer. Shalkham will use information technology to help the hospital plan and implement applications including electronic health records, health information exchanges and other resources used in clinical settings, the health care system said.

Shalkham is one of 11 people in South Carolina who are board certified in clinical informatics. She also holds board certification in emergency medicine and a master’s degree in public health. She has been a doctor at Lexington Medical Center for nearly 10 years. In her new position, she will split her time between clinical informatics and serving as emergency medicine physician.

**2016**

Ashley Nicole Smith-Miller

Married Mr. Steven Miller last May.
Roger Newman, M.D., director of the Division of OB-GYN Basic Science, recently released “Two Drifters,” his highly anticipated sequel to “Occam’s Razor,” which continues the exploits of Dr. Declan Murphy – literature’s only obstetrician action hero.

Bill Noel, author of “Boneyard Beach, First Light” and eight other books in the “Folly Beach Mystery Series” said of Newman’s latest work, “You won’t be able to sleep until you finish this riveting novel.”

Charleston OB-GYN Declan Murphy is struggling to cope with the tragic death of his wife Helene. Declan’s clinical performance has been questioned, and he again finds himself at odds with his superiors as a complaint by a peer has strained the relationship between Labor and Delivery and Obstetrical Anesthesia.

Things go from bad to worse when a pair of itinerant and ruthless drifters accuse Murphy of negligence in the death of their baby. Murphy finds himself the target of a highly personal malpractice lawsuit.

Believing he has followed the standard of care precisely, Murphy senses that something is amiss with this couple. He begins his own investigation into how they ended up in his examination room in the first place. His efforts lead him to shocking discoveries and unimaginable evil.

Will he achieve his personal and professional redemption? To find out the answer and much more, you can order “Two Drifters” at Amazon.com or http://rogerbnewman.com/books/two-drifters/.

“… serves up a super-rich gumbo of voodoo intrigue and incest from Charleston to Lake Charles. I couldn’t put it down.”
—Roger Pinckney, author of “Blow the Man Down, The Mullet Manifesto and others”

“… Roger Newman masterfully weaves a tale that takes the reader from a Low country hospital’s infighting that can be as deadly as a cobra’s toxin, to the mountains of West Virginia, and to parts of Louisiana where a cobra would fear to slither. Faced with a crisis that could destroy his medical career, Dr. Declan Murphy must find answers to save not only his career but also his life. Prescription: Get plenty of rest before you start reading ‘Two Drifters. You won’t be able to sleep until you finish this riveting novel.”
—Bill Noel, author of “Boneyard Beach, First Light” and 8 other books in the Folly Beach Mystery series

To notify us of a death of a classmate or family member, please email Alumni Relations an obituary at alumni@musc.edu or call 843-792-1719.
EVENTS CALENDAR

You’re Invited...  
Save These Dates!

ORANGEBURG REGIONAL RECEPTION FOR MUSC ALUMNI WITH DR. DAVID COLE, MUSC PRESIDENT  
THURSDAY, SEPTEMBER 8, 2016  
6:00 PM – 7:30 PM  
Details to come. For more information  
Contact MUSC Alumni Affairs at 843-792-7979

3RD ANNUAL UPDATE IN GASTROENTEROLOGY AND HEPATOLOGY  
SATURDAY, SEPTEMBER 24, 2016  
8:00 AM - 4:45 PM  
MUSC Drug Discovery Building – Auditorium

2016 SCHOLARS AND benefactors celebration brunch  
SATURDAY, OCTOBER 15, 2016  
10:00 AM – 12:00 PM  
Country Club of Charleston

2016 STORM EYE INSTITUTE FALL MEETING AND ALUMNI REUNION  
FRIDAY, NOV. 4 – SATURDAY, NOV. 5, 2016  
MUSC Bioengineering Building - Auditorium

MUSC COLLEGE OF MEDICINE ALUMNI REUNION WEEKEND  
FRIDAY, MARCH 17 - SATURDAY, MARCH 18, 2016  
Watch the mail for your invitation to weekend events. More information will be available online at www.musc.edu/alumni/

45TH ANNUAL POSTGRADUATE COURSE IN SURGERY  
THURSDAY, APRIL 27 - SATURDAY, APRIL 29, 2017  
Hyatt Place / Hyatt House  
560 King Street  
Charleston, SC 29401  
Learn more online at www.musc.edu/surgery/events/postgradcourse/index.htm

CLASS OF 1967 GOLDEN GRADS CELEBRATION AND COMMENCEMENT WEEK  
THIRD WEEKEND IN MAY, 2017  
Golden Grads Celebration for the College of Medicine Class of 1967  
More information will be available online at www.musc.edu/alumni

www.musc.edu/alumni/

Online CME Courses

MUSC Online Grand Rounds for Continuing Medical Education  
MUSC CME Office is pleased to make online Grand Rounds available to physicians. The online Grand Round videos can be viewed without creating an account. If you wish to claim CME credit after viewing the video, you will be directed into a system called CME Tracker to take the post-test, complete an evaluation, and claim credit. CME Tracker will require you to create an account, if you do not already have one. Directions are posted on each page. Please go to http://www.muschealth.org/Apps/CME/index.aspx to access the site.
**Neonatal Pharmacology 2016: Incorporating Evidence-Based Practice into Clinical Decision Making**

**Wednesday – Friday, November 9 – 11, 2016**

7:30 AM - 5:45 PM • Francis Marion Hotel

Credits Offered:
AMA PRA Category 1 Credit(s) - 20.00; CEUs - 2.00; NCH (Nursing Contact Hours) - 20.00

**19th Annual Frontiers in Pediatrics**

**Sunday, December 2 – 4, 2016**

7:30 AM - 4:45 PM • Francis Marion Hotel

Course Director: Dr. James Roberts

Credits Offered:
AMA PRA Category 1 Credit(s); CEUs; Nursing (MUSC OCME)

**Progressnotes**

Progressnotes is the quarterly magazine of the Medical University of South Carolina. Its mission is to keep physicians abreast of the latest clinical and scientific innovations through engaging and scientifically sophisticated prose. Each issue of Progressnotes offers one CME-eligible course along with a sister telepresentation on a related subject through the South Carolina Area Health Education Consortium’s SCHOOLS program. The telepresentation is typically scheduled within a month or so of the article’s publication, recorded as enduring CME, and made available at http://www.muschealth.org/physician-portal/pn-cme/available-cme.html.

Please visit http://academicdepartments.musc.edu/cme/ for more CME information.
Class of 2016 Residency Match

The MUSC College of Medicine had a very successful residency match this year.

Dressed as their favorite characters from the 90s, graduating medical students packed into Charleston Music Hall March 18 as they eagerly awaited the results of their match results. Each student had come in with a list of favorites but very little control over where he or she would ultimately end up. Excitement and suspense were clearly the dominant emotions as they waited to discover where they will spend the next three to seven years, depending on specialty, as resident physicians.

The College of Medicine had a total of 164 students enter the Match. Pre-SOAP, the College’s match rate was 96%, exceeding the national average of 93.8%. Our post-SOAP match rate increased to 99.4%.

Of the specialties in which students will be pursuing their training, Categorical Internal Medicine led the way with the highest number of students at 25 (15.3% of the graduating class). Other popular specialties included: Family Medicine (12.2%), Emergency Medicine (9.8%), Obstetrics and Gynecology (9.2%), Pediatrics (7.4%), and Anesthesia (7.4%). Students also matched into General Surgery, Psychiatry, Radiology, Pathology, Ophthalmology, Dermatology, Otolaryngology, Orthopedic Surgery, Urology, Neurology, Radiation Oncology, Physical Medicine and Rehabilitation, and various other surgical sub-specialties.

Students continued to match at many prestigious institutions across the nation. A total of 45 (28%) students will remain in South Carolina to complete their residency training. Eleven students (6.7%) will be completing residency through the military. Nearly 36% of the class will be entering primary care (including Internal Medicine, Family Medicine, Pediatrics, and Medicine-Pediatrics), and this increases to 44.2% if Obstetrics and Gynecology is included.
Here's a closer look at where they are going:

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College of Medicine Student Awards Convocation

On May 18, the College of Medicine recognized outstanding medical students at the Awards Convocation held at St. Luke’s Chapel on the MUSC Campus. This ceremony is the only time during the year that outstanding students are recognized for their achievements. Congratulations to all of these remarkable students!

The 2016 Pratt-Thomas Award was presented by Sallie Hutton, Executive Director of Alumni Affairs, to Andrew Rabley.

The H. Rawlings Pratt-Thomas Service and Leadership Award is given by the Medical Alumni Association to a student who has shown exemplary leadership and service to MUSC and to the community.

Dr. H. Rawlings Pratt Thomas graduated from the Medical College of South Carolina (now MUSC) in 1938 and three years later, he joined the school’s faculty. In addition to his 1962-64 tenure as MUSC president, Dr. Pratt-Thomas served the school as a pathology professor, chairman of the pathology department and dean of the School of Medicine. Mostly, though, Dr. Pratt-Thomas served his students - and their future patients. Called a “marvelous man” and both “a little scary” and “benevolent,” he enjoyed lecturing and his lectures were famous for being both interesting and entertaining. His exacting standards and sense of humor won a place in the hearts of students while teaching them the fundamentals of pathology.

The Stephen D. Canaday Gross Anatomy Achievement Award was established in memory of Stephen D. Canaday, Ph.D., a much admired anatomy teacher at MUSC, to recognize excellence in academic performance in the Gross Anatomy component of the first year medical curriculum.

David Bernanke, Ph.D., presented the Canaday Award this year to Clay Anderson, shown here with Dr. Bernanke and Mrs. Mary E. Canaday.

The Andrea M. Trescott, M.D. Excellence in Physical Diagnosis Award was established by 1983 alumna, Dr. Andrea M. Trescott and presented to a student who, in their second year, demonstrated excellence in their academic performance in the area of Physical Diagnosis.

This year’s Trescott Award was presented by Dr. Donna Kern to Susan Evenhouse.

This year’s William H. Lee Award was presented by Dr. Chadrick E. Denlinger, M.D. to Kiandra Scott.

The memory of MUSC resident alumnus and former faculty member William H. Lee, Jr., M.D., is celebrated with the William H. Lee Award. This award recognizes a medical student for outstanding performance in cardiothoracic surgery.

In 1964, Dr. Lee assumed the leadership of the division of thoracic surgery at MUSC and under his leadership, the thoracic surgery residency program was established. When his life was tragically cut short in 1977, his former residents and colleagues established this award to acknowledge his excellence as a surgeon and research scientist and especially to recognize his first professional love: training residents and teaching medical students.
Dr. Snape presented the 2016 Snape Award in person to Brittany Watson.

The AOA Thomas Antley Pitts Award was established by Dr. Thomas A. Pitts, a 1916 graduate of the Medical College of South Carolina. The award is presented to a student who excels academically during their first year of medical school, as a student leader and in their service to MUSC.

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The Palmira Silva Snape, M.D. Award for Volunteer Service is given each year to a student who plans to enter a family medicine residency and who has given exceptional service to the community while a student. Dr. Palmira (Pam) Snape, a 1964 graduate of the College of Medicine, is Volunteer Director of Greenville Free Medical Clinic and Director Emeritus of Greenville Family Medicine Residency Program.

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Medical student's public health poster wins national awards

By J. Ryne Danielson
daniejer@musc.edu

Third-year College of Medicine student Vasanth Kuppuswamy presented a poster at the national meeting of the American Academy of Pediatrics in Washington, D.C. this past October. The poster, titled “Effect of a home-based intervention by trained community health nurses on immunization rates, exclusive breastfeeding, growth parameters, and hospitalizations for respiratory and diarrheal illness: A pilot randomized controlled trial,” won best poster presentation in the international child health category.

More recently, Kuppuswamy was awarded the 2016 Excellence in Public Health Award from the U.S. Public Health Service Physician Professional Advisory Committee, and his poster was selected by the Consortium of Universities for Global Health as the best poster in the New and Emerging priorities in Global Health category.

“An award is a testament to the education provided by the Medical University of South Carolina College of Medicine and to the high caliber of its students,” said Jeneita Bell, M.D., Region 4 coordinator of the USPHS Physicians Professional Advisory Committee.

Kuppuswamy provided some background on the project.

“There is a non-profit organization called the Pallavaram Children’s Medical Center based in Atlanta,” he said. “The organization, which runs a non-profit hospital in the city of Chennai in south India, was founded by Dr. Athi Narayan, a neonatologist who practices in Atlanta, Georgia. In 2013, he approached me with an idea to do a village outreach project, whereby the health care services offered by PCMC could be extended into the rural villages of Tamil Nadu, the Indian state of which Chennai is the capital.”

While taking a year off between his undergraduate studies and medical school, Kuppuswamy was looking for a worthwhile project to get involved with, and this fit the bill, he said. “The idea was to train local nurses in these villages in a curriculum prepared by our team here in the United States, so they could provide monthly wellness check-ups for infants in these villages throughout their first year of life. The nurses would check growth parameters, developmental status, advocate for breast feeding, ensure compliance with vaccinations and provide anticipatory guidance to new parents regarding the health of their child.”

This project is based in the village of Maganoorpatti, with nurses providing home visits to patients in surrounding villages.

Kuppuswamy traveled to India in 2013 and spent four months getting the project off the ground. When he began medical school at MUSC, he approached Andrea Summer, M.D., in the Department of Pediatrics about conducting a research study to evaluate the efficacy of the program. “Along with biostatistician Sarah Logan, Ph.D., and research nurse Beth O’Brien, RN, we created a randomized controlled study that we conducted between June 2014 and early 2015,” Kuppuswamy said.

After his first year of medical school, Kuppuswamy received a travel grant from the Center for Global Health so he could return to India and conduct the study.

O’Brien congratulated Kuppuswamy on his award.

“It was my pleasure to work with Vasanth on this innovative project. My role was to assist him with the writing of the human-subjects portion of his study and assist with all of the Institutional Review Board regulatory issues that go along with doing a study like this over in India. Not only did he have to seek approval through our local MUSC IRB, but his study had to be approved through an IRB in India as well.”

Summer agreed. “I have thoroughly enjoyed working with Vasanth on this project. He is a highly motivated student who is extremely sharp and resourceful. I was impressed with his ability to accomplish this project during school and to do so with such thoroughness and rigor. He is clearly dedicated to improving the health of underserved children. This pilot project will inform planning for a larger study that will extend over a year and evaluate the full impact of this home-based intervention on infant mortality and other health indicators.”

In addition to Summer, Logan and O’Brien, Kuppuswamy wished to thank many others who contributed to the project’s success. “I cannot emphasize how vital the following individuals were to the outcome of this project: Drs. Athi Narayan and Deepa Ranganathan, neonatologists from the Atlanta area; Dr. Kalpana Manthiram, a pediatric infectious disease specialist working at the NIH; Janani Srindhar, a former Master of Science in Clinical Research student at MUSC who was instrumental in our data collection efforts; and all of the staff members in India who work so hard every day,” he said.
Senior Sendoff

A week before graduation, the College of Medicine’s class of 2016 celebrated at the Alumni Association’s Senior Sendoff which, if the photos are to be believed, was enjoyed by the college’s newly-minted alumni. To view more photos, go to: https://www.flickr.com/photos/muscalumni/albums/
Humanitas celebrates 20 years

Humanitas is a literary and art journal of the Medical University of South Carolina. It is comprised of works presented by the MUSC community, which includes students, staff, and faculty.

This year’s volume of Humanitas marks its twentieth anniversary, and within it are 20 works of art - short stories, paintings, poems and photographs – alternately heart rending, interesting, moving, breath taking, or humorous. All are impressive. Here are a few pieces for your enjoyment, but you can peruse all editions of Humanitas online at http://academicdepartments.musc.edu/humanities/humanitas.htm. Have a look - you won’t regret it.
Science Café lecture series - because “science is fun”

MUSC’s Science Café lecture series allows scientists to present their cutting-edge research to the public offering entertaining talks on scientific subjects in a fun, not-too-technical way, in a pleasant social environment.

“It’s supposed to be a relaxed atmosphere,” said Dr. Joe Helpern, an internationally recognized expert on magnetic resonance imaging. “Science is fun,” he added.

Last January, Helpern presented the latest findings on ADHD and Alzheimer’s disease, both of which affect millions of people worldwide and for which MRI might hold the key to a cure. “We can use MRI to measure these things,” he said. “But, now we have to find out what those measurements mean.”

The South Carolina Science Café became part of SmartState in 2012, giving it access to the expertise of SmartState’s endowed chairs. It’s a chance for them to interact with the public, and the events are unpredictable – in a great way. Anybody can show up, and the discussions can take unexpected and fascinating turns. The audience is able to interact and ask questions, and food and beverage specials are available for purchase. No tickets or reservations are necessary.

Other recent talks have included, “Not Your Mother’s Mammogram” by Dr. Nancy DeMore, Professor of Surgery and BMW Endowed Chair in Cancer Research; and “Let’s Talk…Fibrosis, The Ugly Side of Collagen,” by Carol Feghali-Bostwick, Ph.D., Professor in the Division of Rheumatology & Immunology, and SmartState Kitty Trask Hold Endowed Chair in Scleroderma Research. In June, Stephen Ethier, Ph.D., Director of MUSC’s Center for Genomic Medicine and Professor in the Department of Pathology and Laboratory Medicine, delivered “Mysteries in your genome: I had my genome sequenced. Now what?” at Charleston Beer Works on King Street.

Visit musc.edu/research for information on upcoming Science Café locations, times and topics and to join the email list for upcoming events.
MUSC Health earns Comprehensive Stroke Center Certification – 1st in SC

MUSC Health is one of only 100 hospitals in the nation - and the first in South Carolina - to earn Comprehensive Stroke Center Certification by the American Heart Association / American Stroke Association. This elite designation is based on providing all-access care with stroke experts 24/7, advanced treatment capabilities to treat all kinds of the most complex strokes as well as through 20 tele-stroke sites at community hospitals.

This high functioning team collaborates to provide expert stroke care across the state. They are also changing and improving stroke care in one of the most stroke prevalent areas of the country.

MUSC Health exceeds the national benchmarks in time to treatment, time to doctor, and time to scan. MUSC Health Telestroke collaborates with more than 20 community hospitals to provide expert stroke care across the state. Currently, there are 40 on-going research studies with more than 1,300 participants in efforts to prevent strokes, and treat and rehabilitate stroke patients.

For more about the MUSC Health Comprehensive Stroke & Cerebrovascular Center, visit MUSChealth.org/neurosciences/services/stroke. For more about types of stroke center certification, visit www.jointcommission.org.

Tiny packages may pack powerful treatment for brain tumors

Great discoveries do come in small packages. Few know that better than Ann-Marie Broome, Ph.D., who feels nanotechnology holds the future of medicine with its ability to deliver powerful drugs in tiny, designer packages.

Her latest research finds the perfect application - targeting cancerous brain tumor cells.

Results from her recent paper published online in the international journal Nanomedicine – Future Medicine found that a lipid nanocarrier engineered to be small enough to get past the blood-brain barrier could be targeted to deliver a chemotherapeutic drug more efficiently to tumor cells in the brain. In vivo studies showed specific uptake and increased killing in glial cells, so much so that Broome initially questioned the results.

“I was very surprised by how efficiently and well it worked once we got the

Sarah Pack
Dr. Ann-Marie Broome, right, likes collaborating with Dr. Amy Lee Bredlau, left, who brings a clinical perspective to the laboratory.
Researchers and clinicians are excited because it potentially points the way to a new treatment option for patients with certain conditions, such as glioblastoma multiforme (GBM), the focus of this study.

Glioblastoma multiforme is a devastating disease with no curative options due to several challenges, said Broome, who is the director of Molecular Imaging of the Medical University of South Carolina's Center for Biomedical Imaging and director of Small Animal Imaging of Hollings Cancer Center. The brain tumor has a significant overall mortality, in part due to its location, difficulty of surgical treatment and the inability to get drugs through the blood-brain barrier, a protective barrier designed to keep a stable environment within and surrounding the brain.

In 40 percent of cases, standard treatments will extend life expectancy 4 to 7 months. "It's really a dismal outcome. There are better ways to deliver standard of care."

That's where Broome and her nanotechnology lab enter in. Nanotechnology is medicine, engineering, chemistry, and biology all bundled together and conducted at the nanoscale, between the range of 1 to 1,000 nanometers. For comparison, a thin newspaper page is about 100,000 nanometers thick.

Broome and her team took what they know about the cancer's biology and of platelet-derived growth factor (PDGF), one of numerous growth factor proteins that regulates cell growth and division and is also overexpressed on tumor cells in the brain. With that in mind, they engineered a micelle that is a phospholipid nanocarrier, "a bit of fat globule," to deliver a concentrated dose of the chemotherapy drug temozolomide (TMZ) to the GBM tumor cells.

"Micelles of a certain size will cross the blood-brain barrier carrying a concentrated amount of TMZ," she explained about how the nanotechnology works. "The PDGF is used much like a postal address. The micelle gets it to the street, and the PDGF gets it to the house."

This targeting ability is important because researchers have learned that it's likely that the GBM will recur, she said.

"It's thought that satellite cells left behind after surgical removal are the fastest growing and most dangerous ones. We're trying to kill those rapidly growing satellite cells that will grow into new tumors in that location or others. These satellite tumors grow more aggressively than others. You have to hit them hard, fast and aggressively."

Surprisingly, nanotechnology is already a part of everyday life in many ways that people don't realize. It's used in everything from makeup as moisturizers or UV sunscreens to ice cream to maintain frozen temperatures and creamy textures.

In medicine, Broome said, researchers construct nanocarriers that are stable and stealthy. "Your immune cells can't attack them. They remain hidden."

When the package gets to where it's going, nanotechnologists have various methods to get the micelles to release their payloads—one way is to use the acidic nature of a rapidly growing tumor. In normal circulation, the pH of blood is slightly alkaline and the micelle stays intact. What researchers have discovered is that in many tumor types, the pH drastically changes to an acidic environment.

"While the tumor is growing, it creates waste by-products and metabolites that alter the pH, thus lowering it. As the center becomes more necrotic, it becomes even more acidic."

The change in pH triggers a release of the drug from our micelles just where clinicians want it to go to reduce toxicity to the rest of the body, she said.

"We take advantage of the tumor's natural environment as well as the cellular expression. I'm a big proponent of understanding that microenvironment has an impact on how well you can treat tumors. It's probably why so many therapeutics fail – because you have to take into account the immune system, the local environment, and the cells themselves – all three of these are important considerations."
That’s why nanotechnology has an edge in shaping future cancer treatments. “It’s very important that the public recognize that nanotechnology is the future. It impacts so many different fields. It has a clear impact on cancer biology and potentially has an impact on cancers that are inaccessible, untreatable, undruggable - that in normal circumstances are ultimately a death knell.”

All too familiar with this is researcher and clinician Amy Lee Bredlau, M.D., director of MUSC Health’s Pediatric Brain Tumor Program, who also was a part of the study. Broome said she relishes having a clinician’s perspective in the lab to focus the group on translational outcomes for the patients.

“That’s why it’s so gratifying working with Amy Lee. She works with many cancers for which there are no options. We’re trying to provide options.”

Bredlau agreed. “This paper is exciting because it demonstrates a novel approach to treating brain tumors, combining nanotechnology targeting to a marker of brain tumors with a specialized delivery system. It will allow us eventually to target aggressive childhood and adult brain tumors.”

Bredlau said she’s taking time out from her clinical practice to be in Broome’s research lab because she knows that’s how she can best accelerate the process.

“I am passionate about improving the lives of my patients, now and in the future. Advancing research now is the best way to improve the lives of my patients to come.”

Bredlau sees nanotechnology as having the power to revolutionize treatment for brain tumors.

“When we perfect this strategy, we will be able to deliver potent chemotherapies only to the area that needs them. This will dramatically improve our cure rates while cutting out a huge portion of our side effects from chemotherapy. Imagine a world where a cancer diagnosis not only was not life-threatening, but also did not mean that you would be tired, nauseated or lose your hair.”

Though excited by the study’s results, Broome cautions that there’s much more work to be done before new treatment options are readily available for patients.

“It may or may not be effective for all types of GBMs. There are subtypes as well as therapeutic-resistant GBMs that these nanocarriers may not impact. We need to continue rigorous testing to verify and validate our initial findings.”

They will be exploring an expanding field of targeted biomarkers available for GBM tumor cells. As is common in breast cancer and other cancer types, this cancer has specific cell surface receptors that are overexpressed, she said.

And though the drug TMZ in this protocol works very efficiently, it may not be the best drug for the majority of the people, she said. “Now that we know we can get the drug to its designated location and get it to work efficiently, we have a comparator. We can test more lethal and different combinations of drugs that have never before been used in this scenario.”

This method of drug delivery also opens new windows to immunotherapy treatments garnering recognition internationally.

Broome wants to take chemotherapeutics and combine them with new immuno-therapeutic treatments to form unique combination delivery packages.

It’s ambitious.

Broome, whose team jokes that she keeps “a long, running list of impossible tasks,” said the work also translates to so many fields beyond cancer including stroke, transplant and regenerative medicine, where it could be used for example in wound healing in dermatology or organ maintenance in transplantation. It’s one reason she submitted her latest research to an international journal because she wants to accelerate advances in nanotechnology, a field she has no doubt will change how medicine is done.

“They are the primary reason I continue to do what I do,” she said of the patients who face grim diagnoses. “They give me hope. The possibilities for nanotherapeutics are endless and bright.”
MUSC, Roper Hospital and Ralph H. Johnson VA Medical Center work together to create Medical District

CHARLESTON — The city of Charleston has granted the Medical University of South Carolina, Roper Hospital and Ralph H. Johnson VA Medical Center permission to create a downtown Medical District that would transform its existing properties into a healthy space for the benefit of patients and the entire community.

The project will offer more green space, enhance pedestrian access and safety, provide additional parking, improve signage, and make it easier to enter and leave those hospitals for the 30,000 people who do so daily.

“Ultimately, this initiative is about not only healing the body but healing the soul,” said MUSC President David Cole, M.D. “Patients and family members so often say ‘thank you’ for not only the care provided but also the opportunity to walk into a garden or to have a place outside to rest. We are a place of health, healing and education. It’s important that we offer a place to gather and connect with the community.”

Momentum for creating a Medical District started in January when Cole called Roper St. Francis President and Chief Executive Officer David Dunlap, and the two met to discuss a proposed parking garage for Roper St. Francis teammates. The result was an agreement that allowed Roper Hospital to continue leasing parking spaces in MUSC garages while both hospitals collaborated with the city of Charleston on creating a Medical District that everyone could enjoy.

“The most valuable assets in the Medical District are not the bricks and mortar but rather the dedicated healthcare professionals who work here 24 hours a day. This pedestrian mall will provide them, and all of our patients and visitors, a great venue to walk across our campuses and enjoy the beauty of this area,” Dunlap said. “We expect this Medical District to become another iconic Charleston landmark and an incredible addition to the many reasons why Charleston is a world-class city.”

Initial plans for the Medical District include:

• Developing a pedestrian-oriented greenway that links the eastern and western parts of the peninsula
• Better managing Courtenay Drive traffic to improve conditions for pedestrians
• Building a garage at Courtenay Drive and Bee Street for parking
• Connecting West Edge to Colonial Lake to link the upper west side of the peninsula with the lower part.

The Ralph H. Johnson VA Medical Center joined with MUSC and Roper Hospital in support of the Medical District with a goal of improving pedestrian traffic options among medical community partners.

“Here in the medical district, we truly are next door neighbors and we work hand-in-hand – a fact that creates a lot of synergy and opportunity for collaboration in providing the highest quality care, in research, and in teaching and training future generations of health care professionals,” said Ralph H. Johnson VA Medical Center Director Scott R. Isaacks. “We have a significant number of medical staff who hold appointments at the VA, MUSC and Roper, and walk between our facilities multiple times every day. We also have veterans who go to MUSC and Roper for certain appointments, so it is natural that our VA would be interested in improving the environment in this area.”

MUSC, Roper Hospital and the Ralph H. Johnson VA submitted last month a Memorandum of Understanding (MOU) to the city of Charleston requesting city officials’ endorsement of the project. The MOU set up the initial framework for future development. City Council voted to support the proposed Medical District MOU on Tuesday during Mayor Joe Riley’s final public meeting as mayor.

Watch video at https://vimeo.com/adamlawtonboozер/review/148943909/8dec57ec92 to see how this project will reinvigorate downtown healthcare landscape.

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Reunion 2016
Medicine Alumni return to Charleston

On March 18-19, College of Medicine alumni returned to Charleston for reunion weekend. The weekend’s events kicked off on Friday evening with individual classes holding class parties at the Harbor Club and other locations in Charleston.

Saturday morning, alumni enjoyed breakfast and “A look inside the College of Medicine Experience for Today’s Students”, which included brief presentations by faculty members and students who provided an overview of the College’s current curriculum and programs. Current medical students then led alumni through campus tours of the Simulation Lab and the Center for Clinical Evaluation, Teaching and Simulation (CCET).


Mark your calendars to return to Charleston for next year’s College of Medicine Alumni Reunion Weekend Celebration on March 17-18, 2017. Details available soon at www.musc.edu/alumni/events.
In May, the College of Medicine honored our alumni who graduated 50 years ago (or more) at the annual Golden Grads celebration during Commencement Weekend. The energy, accomplishments and graciousness of these alumni was a joyful reminder of what made the College of Medicine what it is today.

The weekend's festivities began with the Wednesday evening Welcome Reception at the Country Club of Charleston. On Thursday, the Class of 1966 enjoyed a campus bus tour, following by the Golden Graduates Luncheon at Founder’s Hall, Charlestown Landing, with MUSC President, Dr. David J. Cole who awarded each Golden Grad a commemorative medallion. The festivities continued with the Robing Breakfast to prepare for the Commencement Ceremony, held outside on the MUSC Horseshoe, where the Golden Grads led the procession and received special recognition. After Commencement, still not ready to end the weekend, several 1966 classmates gathered at the Carolina Yacht Club for lunch before saying goodbye.

It is impossible to catalogue or convey all that these amazing College of Medicine graduates have done in their lives and careers. Therefore, we will just say, “Well done!”
You can view more pictures from the Class of 1966 Golden Grads Celebration at https://www.flickr.com/photos/muscom/albums

Attention Classes of 1967: Mark your calendars to return to Charleston for next year’s College of Medicine Golden Grads Celebration the third weekend in May, 2017. Details available soon at www.musc.edu/alumni/events.
Congratulations on your recent graduation from the Medical University of South Carolina!

Now that you have completed this stage of your journey, we are pleased to offer you a complimentary one-year membership in the MUSC Alumni Association.

With more than 6,800 members, the Alumni Association helps you stay connected with your alma mater, classmates and mentors, while also providing you with valuable resources to help you grow in your career. Membership benefits include:

- Networking opportunities
- Continuing education programs
- Alumni socials and reunions
- Email-for-Life forwarding service

Again, congratulations on your remarkable achievement, and welcome to the MUSC Alumni Association!

Sallie Sistare
Director of Alumni Affairs | 843-792-7979 | Hutton@musc.edu

Email for Life Forwarding Service
Email for life is a FREE email service exclusively for Medical University of South Carolina graduates, providing them with a prestigious email address and forwarding service.

EXAMPLE: YOUR.NAME@ALUMNI.MUSC.EDU

Why Sign-Up for an Account?
- Having an @alumni.musc.edu email address proves that you are a graduate of MUSC.
- Having an @alumni.musc.edu address can forward messages to any one of your current email accounts no matter what internet service provider you use (i.e. Comcast, Gmail, Yahoo, etc.)
- Friends and colleagues will always be able to reach you through this permanent alumni e-mail address, even if you’ve not been in touch for some time.

Login/Register for FREE at http://alumni.musc.edu/login.htm

Set up your email-for-life account.

IMPORTANT NOTE - RECENT GRADUATES
This email forwarding service does not continue student email accounts. Messages sent to student accounts cannot be forwarded to this new address.

MUSC Alumni Association
268 Calhoun St, MSC 182 • Charleston, S.C. 29425
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Attracting future talent to continue our rich history of excellence in health care, research and education, is one of our main objectives, and College of Medicine Alumni are a rich source of talent, innovation, compassion and dedication. If you have ever considered returning to your alma mater, now is the time. The Medical University of South Carolina offers opportunities in groundbreaking research, state of the art patient care facilities and education that only an academic medical center can provide. Below are just a few of the opportunities available. To find out more, click “Search Jobs” below or go to http://www.musc.edu/hr/ if you are interested in joining the MUSC team!

University HR: 
For those interested in employment as faculty (including clinical faculty) or staff at the Medical University of South Carolina.

Medical Center HR: 
For those interested in employment at the MUSC Medical Center which includes multiple hospitals and clinics.

MUSC Physicians HR: 
For those interested in employment with MUSC’s physician practice plan including multi-specialty sites and MUSC Physicians - Primary Care site.

MUSC-based startup wins National TechConnect Innovation Award
Dr. Ann-Marie Broome and Dr. Satish Nadig are two of the three founders of a company that merges bioengineering with medicine.

Zika Symposium
Charleston a good fit for packed Zika symposium
As a city that’s weathered multiple epidemics over the centuries, Charleston was the perfect place for the Zika symposium held at the Medical University of South Carolina on June 10.

MUSC Children’s Hospital ranks in unprecedented six categories
Dr. Michelle Hudspeth holds Mack Shieder back when he was undergoing a bone marrow transplant in 2014. Mack, the son of MUSC Children’s Hospital nurse Laura Shieder, is now 8 years old, and Hudspeth says, “He’s doing great.”

Find the latest MUSC news at our website http://academicdepartments.musc.edu/pr/newscenter
For questions, comments or to share news for the College of Medicine newsletter, please contact:

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