Ground broken on new children’s hospital

Dawn Brazell | brazell@musc.edu

The groundbreaking for the new Shawn Jenkins Children’s Hospital and Pearl Tourville Women’s Pavilion took place on Friday, August 12, 2016. The new hospital is moving into the construction phase after countless hours of planning.

The new Children’s Hospital will not only change the skyline of Charleston, it will transform how care is delivered to children and women in the Lowcountry.

It wasn’t just the architects involved in the planning of this new building, although they played a major role. Perkins and Will, architectural firm for the project, worked closely with MUSC’s Family Advisory Council to get the parent/patient perspective. Family members helped ensure the hospital will be user friendly as well as aesthetically pleasing.

The interior design team took cues from the charm of Charleston, incorporating Charleston’s courtyard and courtyard gardens into lobby areas. Wanting the hospital rooms to be less “scary”, the team took inspiration from a comfortable beach house.

Some family members are so committed to the project that they have logged literally hundreds of hours volunteering with MUSC. Their input has been instrumental in the design, and sharing their stories has been vital in the decision-making process.

To find out more and watch the Groundbreaking Video, go to http://imagine.musckids.org/
Dear Alumni,

It has been nearly a year since I joined the MUSC family, and I am pleased to report to you on the many exciting initiatives that are underway. We have wonderful alumni, faculty and staff here, and we are committed to building on the legacy of excellence at MUSC to take this institution to even greater heights.

Our clinical faculty is working to expand the effort to serve the entire state of South Carolina. In the past year, we have made great strides in establishing our TeleHealth network across the state, providing greater access to healthcare to residents in our most rural and underserved areas. These efforts include establishing telehealth programs in rural schools and in our prison population. We also have begun working with mental health patients to reduce the need to come into an office setting for care.

Two important initiatives are expanding educational opportunities for our students and residents. Our MUSC-AnMed Regional Campus provides a new setting for medical students in their third and fourth years. I encourage you to read the full article about this program in this edition of Contineo. We also have established the Tidelands Health MUSC Family Medicine Residency in the Grand Strand area, providing another opportunity for our residents to focus on primary care in a community-based setting. Both of these initiatives support our mission to serve citizens across the state and encourage physicians-in-training to explore opportunities to practice in some of our most underserved areas.

Research continues to be essential to our mission, and our faculty are producing seminal findings at an increasing rate. (Please see the article on NIH Funding on page 35.) To further support and grow our research efforts, we are working on a new College of Medicine Research Strategic Plan to prioritize areas of focus and investment over the next several years. Advancing new knowledge and scientific discoveries is also a focus of our Imagine MUSC 2020 strategic plan.

As we serve the citizens, students, and patients of South Carolina, MUSC continues to grow in stature across the country. We are very thankful for the foundation provided by our alumni, many of whom continue as faculty, and with your support, we continue working to strengthen all areas of our mission.

Regards,

Raymond N. DuBois, M.D. Ph.D.
Dean, College of Medicine
Design of new children’s hospital aims to bring healing

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When New-York based interior designer Carolyn BaRoss got to Charleston, she hit the streets and the parks with her camera, snapping photos throughout the Lowcountry.

The task for her and other Perkins+Will colleagues: to translate the charm and inspiration captured in those photos into the design of the new $385 million Shawn Jenkins Children’s Hospital and Pearl Tourville Women’s Pavilion at the Medical University of South Carolina.

BaRoss, a principal designer at Perkins+Will, is the firm’s health care interior design director. This is not new territory for her. She led the interior design for the Charlotte R. Bloomberg Children’s Center at Johns Hopkins, a $1.3 billion, 12-story project.

The fun challenge in Charleston was tapping into its “relentlessly charming” and “consistently beautiful” environment for the design process, she said. A bonus: MUSC had chosen to involve families in the design process so she’d have that input to guide her decisions as well.

She and colleagues listened to what those families had to say and let it be the inspiration for the new children’s hospital, slated to open in 2019.

“I think that’s just so much energy from the care team, and it’s such a collaborative process with the families. There’s just such a genuine interest in creating an amazing space where you can make such a big difference. It’s such a stressful time for people who have sick children, and the kind of work that we do can have such an impact.”

BaRoss and her team drew on Charleston’s natural environment and beauty to give each of the 10 floors in the 625,000 square-foot building a distinct feel, with different themes and color palettes.

“The inspiration for patient rooms was along the lines of a comfortable beach house. “We’re thinking about the patient rooms as being residential in their influence so they feel calming and child-scaled. You come in through the front porch and come into your beach house. So we’ve thought about a front porch kind of area that you go through to get into the room, and it’s got a porch light and a little place to decorate with your own artwork.”

When patients enter the room, there’s patterning on the floor that looks like an area rug that might be found in a beach house.

“We’re just trying to take the scary medical stuff out of it and create focal points and child-scaled things that are friendlier, but a more modern interpretation of it because of the respect for authenticity in this region and in Charleston,” she said. “We just want something that evokes the sense of a beach house or being in a courtyard with that intimacy and that sense of discovery.”

Designers focused on four main categories in the design - the city and gardens, the creek and marsh, the culture and people and the beaches.

Tying all these together is the overarching theme of storytelling. “We thought about how we could tell stories that are not only about the Lowcountry, but about the people who are in the institution and how we can get children and families to share their stories.”

The storytelling themes are mapped to the floors. At the ground level, there is a two-story lobby, where the goal is to create a warm welcome. “And level one is heroes of the Lowcountry, in particular because the emergency department is there, and we were inspired by service dogs, therapy dogs, first responders and children helping other children.”

BaRoss said they wanted to pull from the great stories that have arisen during fundraising efforts for the hospital, including how children have played a key role. “So there are all kinds of stories that can be pulled and expressed in different theme ideas.”

(see CHILDREN’S HOSPITAL, page 4)
On every floor there will be a theme wall, a distinct color and clear signage so it’s easy to navigate, reducing the stress that families may feel in a new place, she said.

On the second floor the theme is beaches. On floor three it changes to the comforting vistas of the marsh. The fourth floor relates to women’s services, so the theme is Lowcountry arts. The fifth floor houses the neonatal intensive care unit and the theme for that is springtime in the Lowcountry. The sixth floor has administrative offices and the theme is Lowcountry architecture and how that architecture can facilitate collaboration. The seventh floor is the amenities floor. It will include a conference center, a meditation chapel, a large child life play room, an outdoor deck and food services. The theme for that floor is Lowcountry landscape and taking respite.

BaRoss said the outdoor play area will be a spectacular continuation of the child life area, and there is infrastructure planned into the building that could accept a future roof garden there, if funding is found.

“So we were thinking about recreation and wellness around the sole idea of playing in your yard and being outside and joggling boards. And we thought about the Angel Oak,” she said, referring to the Southern live oak tree on Johns Island that is a tourist attraction. “That’s actually the inspiration in the mediation chapel, so there will be some art glass with imagery of the Angel Oak.”

Floors eight and nine are for patient areas dedicated to acute care. The eighth floor theme is cruising around the Lowcountry. “We thought it would be really fun to express all different ways of getting around in this area and using imagery of vehicles for people with mobile impairments, so there’s this sense of inclusiveness. We were thinking about shrimp boats, horse and carriages and all kinds of vehicles.”

The ninth floor will feature Lowcountry adventures and activities such as fishing, bird watching and sailing.

The 10th floor is dedicated to patients with cancer and blood disorders. Its theme: rooftops over the Lowcountry.

“Here, the thought is looking out and what do you see? It’s steeples and cool things on rooftops. We’re hoping to incorporate things like binoculars to look out and see everything going on, the bridges and the clouds.”

BaRoss likes capturing the human element in the design, encouraging people to share their dreams and stories, just as parents were asked to share their stories as the hospital was being designed.

There is a wall when visitors come into the lobby that will feature stories or children’s artwork. “Hopefully in the future, if there’s funding for it, we’ll be able to put in digital displays.”

Outside of patient rooms, designers are creating a little place families can customize as their “front porch,” with a rail where they can hang their artwork and decorate their front door if they want.

The designers are brainstorming other ways to get patients and parents to open up and share their experiences. That could involve technology and message boards, a way to create a sense of community.

Play areas will help create community as well. One design feature inspired by BaRoss’ walks in historic downtown is the use of a low, green “hedge wall.” It will have see-through holes with fun surprises tucked within that will be near waiting areas.

“There was one really great house with a brick wall that was overgrown with very tightly cropped greenery, and we looked underneath and there was an opening in it with an iron gate that was really beautiful, and you could see into the yard. We were thinking how cool it could be if we could create these sort of niches in this wall, and it could become locations for discovery where kids could walk to the different floors and find things in these niches that could be related to the theme of that floor.”

For example, if it were the marsh and creek floor, there would be nests of sea birds that patients and families would find that could either be made by artists or by the kids.

Research shows that design does matter when it comes to creating a supportive, healing environment, one reason BaRoss loves doing design plans for children’s hospitals. It’s called “evidence-based design,” and it shows how certain elements can aid healing. Having access to natural green spaces may allow patients to need less pain medication, for example.

“And that’s just the beginning of it. There are acoustics, and we’re talking to the clinicians here about the effect of a lot of environmental factors on people and children on the autistic spectrum, so glare, lighting and sounds and the effect of all of that.”
Research shows giving patients choice and control improves their experience and possibly even the treatment outcome.

Comfort is another factor in the design. BaRoss and her team have thought through overnight accommodations in the rooms, trying different sleep furniture to offer the best options. There are privacy spaces where parents can do laundry, take showers or just unwind.

BaRoss says a project like this is so satisfying because she’s healing through design.

“That’s really for families and kids who need positive distraction. How are you empathetic about what people are going through and how do you understand what that is? How do you create an environment where families can continue to live their daily lives while they’re going through this? How do you create areas of privacy and respite to get away? How do you create a place where people can sit on a chair with a child, curl up, put their arm around them? That’s what we want to do.”

New children’s hospital moves forward on schedule, on budget

On January 9, 2017, the MUSC Board of Trustees learned that the Medical University of South Carolina leaders have raised more than $104 million to fund the new MUSC Shawn Jenkins Children’s Hospital. The building, which will open to patients in late 2019, is expected to cost $385 million. Hospital leaders want to raise at least $125 million through philanthropy. The remainder will be financed through the federal Department of Housing and Urban Development.

“The design is, by and large, complete,” said Matt Wain, the hospital’s chief operating officer.

For the full stories related to the Shawn Jenkins Children’s Hospital and Pearl Tourville Women’s Pavilion, go to http://imagine.musckids.org/
POSITIVE IMPACT

Dr. Gerald Harmon explains how he’s ‘always been on the right path’

By Mark A. Stevens mstevens@southstrandnews.com

The life and career of Dr. Gerald Harmon is the cover story for Focus on Health, the health-and-wellness magazine published annually by the Georgetown Times and the South Strand News. The magazine is included in every copy of the print editions of both papers.

One doesn’t just have a conversation with Dr. Gerald E. Harmon. Rather, when speaking with the affable physician, it’s likely he will, in turn, recount multiple conversations that have been pivotal moments from his full life and career.

It’s that easy-going, storyteller-in-residence attitude that has made Harmon a Georgetown County fixture since he and his wife moved to the region in 1983. Since then, Harmon has served generations of local families as a practicing physician at Tidelands Waccamaw Family Medicine. In addition to his practice, he serves as vice president of Tidelands Health Group, serves on the board of trustees of the American Medical Association and has, over the years, been honored with numerous awards.

Quite the feat, Harmon admits, for a poor kid from Newberry.

“All I’ve ever wanted was to be effective in my community,” Harmon said. “I’ve spent over 30 years here working with good friends, good colleagues. All my patients are my friends. All my friends are my patients.”

Despite his success as a physician, Harmon – an eighth-generation South Carolinian – didn’t set out to be a doctor. As a boy and as a young man, he looked to the stars for inspiration.

“I liked astronomy and physics,” he said. “I even built a telescope when I was in the 11th grade.”

With an innate curiosity as a boy, Harmon took to the library to learn all he could about his first love. It captivated him.

“At that time,” Harmon said, “there was no Google. There was no verb as Google. There was no word as Google. I just decided that I liked astronomy and looking at stars, so I went to the library and checked out a book on telescope making. It had various discussions about it, so I took notes and wrote letters to journals and magazines about amateur telescope making.

“I didn’t have a lot of money, so I’d ask them if they had any copies left over that I could have and I’d pay for the postage and they’d mail them to me. We really were pretty dirt poor, but I would save up my money and I bought some telescope-making equipment.”

And there in his backyard in Newberry, Harmon did just that – he built a Newtonian Reflector telescope.

“I did it ... using instructions from those magazines and books,” Harmon recalled. “... It was pretty impressive for a high school kid to do this, but I spent hours and hours grinding this mirror before and after school working on this and finally sending it off to have aluminum applied to it, so it wasn’t just a piece of glass, it was a real mirror. There was a Shakespeare fiberglass plant in Newberry, and they had some leftover pieces of fiberglass that were eight and nine inches in diameter, nice six-foot-long tubes, so I got one of those.

“I designed what you would call an equatorial mount, poured some concrete in the back … and I made it and put it in my backyard and it worked.”

Harmon’s telescope weighed nearly 100 pounds and was 6 feet long with a 4-foot base.

“With it, I could follow the earth’s rotation at night,” he said. “Newberry is 34.25 degrees latitude, so that’s the angle that you put on your equatorial mount. It was a pretty fancy design for a 16-year-old kid. I just enjoyed astronomy and physics.”

And it was an escape, too, from a hard life.

Harmon’s father had died, and he and his siblings helped their mother by taking part-time jobs at the local cotton mill. Before school, he worked, and after school – and between football practice – he worked.

But despite the setbacks and hardships, college was always on the table.
“I didn’t have any money,” he said. “My father had died, and, by the time I was graduating from Newberry High School in 1969 and going to college, I really didn’t know what I was going to do.”

Harmon decided to enroll at the University of South Carolina and pursue a double major in astrophysics and mathematics, which he excelled in, but as his college career was in full swing, he realized that job opportunities for a physics major weren’t exactly plentiful.

“I graduated from USC in 1973;” he said, “but probably about my junior year in college, I was trying to figure out what to do with my career. There wasn’t a lot of call for physicists in the early 1970s, so I was on a master’s degree and PhD track but I was worried about job opportunities. Although it was fun and I enjoyed it, I also felt the need to join the military. My dad had been an Army captain. By that time, the Vietnam War was winding down.”

To that end, Harmon made his way to the local military recruitment office.

That conversation, he recounted, went something like this:

“Well, I need a job, and I think I can do it.”

“Why?”

“We don’t have many physics and math majors applying for South Carolina in 1972. conversation he had with a professor at the Medical University of professional letter.”

Admissions Office.’ So I programmed it to make this error-free character at a time -- a capital ‘D’, a little ‘e’. So, you know, ‘Dear language worked. So I programmed it to print one alphabetical character at a time -- a capital ‘D’, a little ‘e’. So, you know, ‘Dear

But I understood, as a physics major, how programmable to write a letter using it. It wasn’t a word processor. It was a programmable calculator.

“That conversation, he recounted, went something like this:

“Well, I need a job, and I think I can do it.”

“Tell me about your application letter.”

“Tell me about your application letter.”

Harmon’s attention to detail had worked again. He was accepted to MUSC.

Life moved quickly from there. He graduated from USC on May 13, 1973, got married on May 20 and became a student at Charleston’s Medical University of South Carolina – paid for by the Air Force – seven days after that.

With his acceptance to medical school, Harmon was commissioned as a 2nd lieutenant with the U.S. Air Force.

“When I first got in medical school, my wife was working at Roper Hospital as a nurse,” he said. “The first day I walked into gross anatomy class and this big exam room with eight cadavers for dissection, I got woozy. I thought I had made a terrible career mistake. ... I was thinking this was bad. That was Day One. Hour One. Moment One. ... But I got over it, and I managed to get better at it. My wife, the RN, told me suck it up and get back to it. She had no sympathy.”

Beyond those first-day jitters, Harmon grew to his chosen new career path.

“What’s class I went in,” he said, “it was the best class I was ever in. The further I got in, the more I loved it all. I liked surgery, internal medicine, family medicine, all of it.”

Upon completing medical school, Harmon was stationed, as a captain in the U.S. Air Force, at Eglin Air Force Base in Florida. Harmon put in his years of duty with the Air Force before leaving to pursue private practice in 1983. He remained with the Air National Guard until 2007, when he retired as a general.

It was in 1983 when Harmon learned that another family medicine doctor was needed in Georgetown.

“I didn’t even know Georgetown existed other that it was north of Charleston,” he said, “but my wife and I first thought we should check with Newberry, because we had grown up there. So we went up and talked to doctors in Newberry, and they said, ‘We don’t really need you here. We’ve got a good complement of doctors here. You’re welcome to come, but we don’t really need you. Newberry isn’t really growing. We’d love to have you, but don’t feel guilty if you don’t come back.’

“But the folks down in Georgetown were hungry for a new doctor.”

Harmon met with Dr. Whaley Easterlin and Dr. Lance Duvall, who were operating Waccamaw Family Medicine out of a prefab trailer on Highmarket Street in Georgetown.

“They’d been here about two years themselves,” Harmon said. “I recommended that we buy some land down where the old drive-in theater was and set up a practice that is close to the hospital. They said it would probably cost about $15,000 to buy it, and I said, ‘Here’s my check for $5,000.' You two put in your $5,000 each, and we will make a go of it.' They said, ‘Don’t you want a contract?’ I said, ‘I’m coming down here. Now is the time.’ And they said, ‘Deal!’

“We didn’t have a contract, a written agreement, nothing. We did it with a handshake.”

The men bought the old Carolina Drive-In property at 1075 N. Fraser St., and the office remains there today.

“Our office is where the projection booth used to be,” Harmon said. “When we bought it, the screen was still up and the little sound things that you would drive up to were still there.”

For the past 33 years, Harmon said, his life in Georgetown has been a blessing.”
“Family medicine, community-based medicine and hospice and all the things we do in this business,” he said, “you don’t do it for material reasons. I tell these new doctors and medical students, I tell them you have to do it for this—for your heart and your internal peace. You can’t do it for the wallet. The good thing about being a doctor, you always have a job. Goodness gracious, we have the blessings of intelligence, good communication skills, generally good health, and reasonable, if not a very good, income.

“I remind them to go back and read their medical school application and figure out why you went into medicine,” Harmon said. “I say to them, ‘You didn’t write, ‘I want to live on the beach in a million-dollar home and drive a Maserati.’ You said you wanted to serve humanity.

“Maybe you have an underfunded patient that doesn’t smell good, that doesn’t speak well. Maybe they didn’t drive up in their BMW, but they need help and that’s what we are here for. You might have a doctor who says, ‘I don’t want to see any Medicaid patients,’ and I say, ‘Go back to your medical school application. You didn’t say you would only take care of rich people who drive Mercedes. One of the things you always write is that you want to give back to humanity, that you feel like you owe something, want to make an impact and want to do well. When you remind them of that, it almost always works and quickly changes their tune.”

“It’s just another conversation in which Harmon, the stargazer-turned-doctor, commands attention.

“I wouldn’t regret any decision I’ve made,” he said. “The road not taken doesn’t apply to me. I’ve always had the right path. Good fortune. I’m a very spiritual, religious guy. The grace of God has let me be where I am. I believe in a spiritual basis in what I do. My wife and I have been married for 45 years. We met in Sunday School. We had the same values. All of our kids are going to church. Two of our three kids sit in the same row with us. We go to Duncan Presbyterian Church. My kids all live in the same neighborhood in DeBordieu, within a mile of us. They’ve been successful. Three grown children, seven grandchildren, ages 3-9.

“I’ve been really blessed.”

Thinking back on his early years, when his father died and times were tough, Harmon is reflective. He could have given up. He could have said it was all too much. But he didn’t.

“Nothing was gifted to me,” he said. “Like I said, my dad died when I was a kid. My mom raised me, the oldest of three siblings, by herself. ... My brother and sister and I all worked odd jobs at the cotton mill. ... It was a rough life. I’m not going to tell you it was easy, but we were gifted with intellect.

“You learn drive; you learn ambition. You learn pride and anything else. But if you’ve been given intellect and good health, well, that’s the gift, and I didn’t want to waste that.”

His expertise certainly hasn’t been wasted.

In addition to his work in the local community, Harmon is able to make a difference in ways few doctors in a small town could ever do—via his work on the American Medical Association board of trustees.

“My impact here has been very rewarding to me, impact on the 20,000 or 30,000 in our immediate community,” he said. “If you work with the AMA board of trustees, as I’ve had the opportunity to do, my impact can, honestly, reach 200 or 300 million Americans. It’s not just 3,000 patients here or two or three million in South Carolina.

“I can have an impact now on 20 percent of the nation’s economy—health care. I can have an impact on the largest employer in the state—health care. And 200 or 300 million Americans, on their health care. It’s an incredible opportunity. I can’t direct it. But I can impact it. I can give testimony and my perspective to the Health and Human Services commissions and to Congressional committees, to the change makers. I’ve been able to do that for the last couple of years. And I get invited about once a month to go give talks. My perspective may not be the smartest or even the most intuitive, but it is really pragmatic and point-of-service based.”

If, for example, Harmon said, there is a new federal regulation being considered about Medicare or Medicaid, he can offer real-world expertise from small-town America.

“I can tell them how it’s going to impact someone in Room 205 of Tidelands Waccamaw Community Hospital,” he said. “I can say, ‘This is how it happened yesterday, and I know because I was there. And with this ruling, this is how it’s going to happen tomorrow.’

“That’s another gift that I’ve been given. Making a positive impact on patients. That’s what it’s all been about.”

The author of the article, Mark A. Stevens, is the executive editor of the Georgetown Times, the South Strand News and The County Chronicle. The article was originally published October 30, 2016, as the cover story for the newspaper group’s annual magazine, Focus On Health. The story is reprinted here with permission.
Transplant surgeon urges donors to get in the game at TEDxCharleston event

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As if he didn’t have enough on his hands, transplant surgeon and business entrepreneur Satish Nadig, M.D., Ph.D., stood in the hot spot Oct. 19 for his eight minutes of TEDxCharleston fame.

With cameras rolling, the lead-off speaker for the fourth annual TEDxCharleston event got right to the point.

“Nine-month-old baby. Liver failure. Dying. That’s what the page read on that cold Ann Arbor night at the University of Michigan Hospital a few years ago,” Nadig said. “As transplant surgeons, we often get pages like this. But this one just felt a little different. Two hours later when that baby was transferred to our hospital, I realized why. It was worse than we thought.”

Nadig, a 2003 graduate of the Medical University of South Carolina (MUSC) College of Medicine and now an assistant professor of surgery, microbiology and immunology at the MUSC, went on to describe the scene to a packed crowd at the Charleston Music Hall. By the time the baby boy was transferred to Nadig’s hospital in Michigan, the baby’s liver, kidneys and lungs were failing. Doctors placed him on a ventilator.

“Eventually, his tiny little heart stopped. We were able to get him back but we knew the clock was ticking. The time on this planet that he had to live was limited.”

Fortunately, a donor organ became available two states away. “We flew in the middle of the night, got this liver, brought it back and in an eight-hour grueling operation transplanted this child, and then we waited. The next few days were touch and go, but overall, he was making improvements.”

Two weeks later Nadig gathered his team for the routine morning rounds. His heart dropped when he went into the child’s room to see an empty bed and a nurse with a tear in her eye. A cascade of the worst thoughts went through his mind. As he looked more closely, though, he saw she was smiling and pointing to the playroom. He peered into the playroom and saw a beautiful baby boy cradled in his mother’s arms, surrounded by family.

“That baby who was dying two weeks before was very much alive. And that is the power of transplantation. What a victory. But folks, he’s a lucky one. The harsh reality is, we’re losing the game.”

With that statement, Nadig flashed up a screen that showed a scoreboard of patients awaiting transplants. With over 120,000 people on the list and only about 7,000 donors, the odds aren’t good. Twenty-two people are dying each day waiting for a lifesaving organ. “In fact, in South Carolina, if you’re waiting for a kidney transplant, it’s an average of three to five years. And the clock is always ticking. Every 10 minutes another person is added to that list. By the time I finish this talk, another person will be put on the list. We are losing the game.”

(continued on page 10)
TEDx speakers issue a call to action as part of their talks to engage the community. Because many speeches become TED Talks, which are posted for free, this impact can be felt worldwide.

For Nadig, it’s a way to show the community its vital role in transplant. “I would not have a job if it weren’t for man’s humanity to man. If people don’t donate, then there are no transplant surgeons. There are no transplant physicians. It’s so integral to the community. Everyone is either touched by transplant or has the ability to touch transplant.”

The event also helps researchers share their work in a way that’s easily understandable and shows that science can be fun and cool, he said. Nadig, who is one of the founders of ToLeRaM Nanotech, LLC, is a pioneer in developing new technologies that promise to revolutionize the field of transplant. He used his time on stage not only to encourage organ donation, but also to give a vision of where the field can go.

His company is exploring nanotechnology, inventing a nanoparticle that encapsulates these vital drugs so they can travel to the organ in need and be delivered in lower doses. “This is so the organ can live longer, but more importantly, the patient can live longer too.”

Another exciting development involves finding ways to boost failing kidney function in ways that would let patients avoid dialysis and transplant. They are pioneering a concept where they take cells from patients’ kidneys and implant them into a three-dimensional, lattice-structured framework that has been bioprinted. The framework then is incorporated into the patients’ tissues, filtering blood just like kidneys would, he explained.

“That is the power of technology. These innovations of three-dimensional bioprinting, bioengineering, artificial tissue development represent the next era of transplantation and are truly game changers.”

Nadig ended with an appeal. “We can change the game all we want, but I have five very important words for you: We can’t win without you. Everything that I can accomplish in a lifetime cannot come even close to comparing to what you can do today. What’s the face of transplant? Look to your neighbor. You’re the face of transplant.”

In the case of organ donation after death, one person can save eight lives given all the organs that are in need. In the case of living kidney donors, a life can be saved immediately. Nadig gestured to the packed crowd to make his point. If everyone in the room needed a life-saving organ and just 10 percent decided to donate either now or later through a living or deceased donation, everyone would walk out alive.

“There is ultimate power. The power of community – that you all have. So rise up. Get off the bench. Register to be a donor. Consider living donation. Join me in this battle. Join our team. Together, we can save more lives. Because the time is now. Someone else was just added to that list.

This article first appeared in the MUSC Catalyst, October 20, 2016, and is reprinted here with permission.
UPCOMING EVENTS

**MUSC COLLEGE OF MEDICINE ALUMNI REUNION WEEKEND**
**FRIDAY, MARCH 17 - SATURDAY, MARCH 18, 2017**
Watch the mail for your invitation to weekend events.
More information will be available online at www.musc.edu/alumni

**NEW YORK CITY REGIONAL RECEPTION FOR MUSC ALUMNI WITH DR. DAVID J. COLE, MUSC PRESIDENT**
**THURSDAY, MARCH 30, 2017**
Details to come. For more information, contact the MUSC Alumni Affairs Office at 843-792-7979 or visit 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/postgrad-course/index.htm

**CLASS OF 1967 GOLDEN GRADS CELEBRATION AND COMMENCEMENT WEEK**
**WEDNESDAY, MAY 17 - FRIDAY, MAY 19, 2017**
Golden Grads Celebration for the College of Medicine Class of 1967
More information will be available online at www.musc.edu/alumni

**30TH ANNUAL UPDATE IN PSYCHIATRY: TECHNOLOGY AND MENTAL HEALTH**
**THURSDAY, JUNE 1, 2017 | 8:00 AM – 5:30 PM WITH RECEPTION TO FOLLOW**
Friday, June 2, 2017 | 8:00 AM – 12:15 PM
MUSC Bioengineering Building – Auditorium
12 AMA PRA Category 1 Credits Requested
www.musc.edu/psychevents

**CLASS OF 1967 50th Anniversary Celebration**
**MAY 17-19, 2017**
We hope you’ll plan to join us to celebrate the golden anniversary of your graduation from medical school.
A block of overnight rooms is available at the Hyatt Place Charleston, 560 King Street, for the dates of the reunion. Call 1-800-993-4771 and refer to MUSC Alumni Affairs Golden Grad for the group rate of $139/night.
www.musc.edu/alumni/
Brochures for all CME Courses are available at http://academicdepartments.musc.edu/cme/tracker/cme2.htm

5TH NEUROSCIENCE SYMPOSIUM AND NEUROLOGY UPDATE FOR THE PRIMARY CARE PROVIDER
FRIDAY, MARCH 3, 2017
MUSC Bioengineering Building
Credits Offered: AMA PRA Category 1 Credit(s) - 7.00; CEUs - 0.70
Contact Leah Ramon, MSN, RN email: Ramosl@musc.edu
phone: 843-792-5354

UPDATES IN GENERAL INTERNAL MEDICINE FOR PRIMARY CARE 2017
FRIDAY, MARCH 10 – SUNDAY, MARCH 12, 2017
Doubletree Guest Suites Hotel
Credits Offered: AMA PRA Category 1 Credit(s) - 15.00; CEUs - 1.50

16TH TEMPORAL BONE DISSECTION COURSE
FRIDAY, MARCH 24 - SATURDAY, MARCH 25, 2017
MUSC Campus, Charleston, SC
Credits Offered: AMA PRA Category 1 Credit(s) - 9.50; CEUs - 0.95

48TH ANNUAL UPDATES AND CHALLENGES IN OBSTETRICS & GYNECOLOGY SPRING SYMPOSIUM
SATURDAY, MARCH 25 – MONDAY, MARCH 27, 2017
Doubletree Guest Suites Hotel, Charleston, SC
Credits Offered: AMA PRA Category 1 Credit(s) - 12.00; CEUs - 1.20

1ST ANNUAL NEURO-ONCOLOGY SYMPOSIUM
SATURDAY, APRIL 22, 2017
Holllings Cancer Center, Charleston, SC
Presented by the Brain Tumor Program
Credits Offered: AMA PRA Category 1 Credit(s)

4TH ANNUAL LOWCOUNTRY SICKLE CELL DISEASE SYMPOSIUM
SATURDAY, APRIL 22, 2017
MUSC Drug Discovery Building, Charleston, SC
Credits Offered: AMA PRA Category 1 Credit(s); CEUs

2017 EVIDENCE BASED DRUG THERAPY UPDATE
THURSDAY, MAY 11 - SATURDAY, MAY 13, 2017
Crown Plaza Hotel, Charleston, SC
Credits Offered: AMA PRA Category 1 Credit(s) - 17.00; CEUs (Continuing Education Units) - 1.70; NCH (Nursing Contact Hours) - 17.00 location to be determined
RSVP online: https://musc.edu/surgery/events/postgradcourse

41ST ANNUAL CARDIOLOGY UPDATE: EVIDENCE-BASED MANAGEMENT
WEDNESDAY, MAY 31 - SATURDAY, JUNE 3, 2017
Doubletree Guest Suites Hotel, Charleston, SC
Credits Offered: AMA PRA Category 1 Credit(s) - 17.00; CEUs (Continuing Education Units) - 1.70; NCH (Nursing Contact Hours) - 17.00 location to be determined
RSVP online: https://musc.edu/pres-reception

FAMILY MEDICINE UPDATE 2017
WEDNESDAY, JUNE 12 - SATURDAY, JUNE 17, 2017
Kiawah Island Golf Resort
Course Director: Terry Steyer, M.D.
H. Biemann Othersen, Jr.  
(M.D. ’53; Surgery ‘63)  
Honored with Naming of Pediatric Operating Suite

The Board of Trustees announced the naming of the H. Biemann Othersen, Jr. M.D. Pediatric Operating Suite in the new MUSC Shawn Jenkins Children’s Hospital and Pearl Tourville Women’s Pavilion in honor of Dr. Othersen, MUSC Emeritus Chief of Pediatric Surgery, for his enduring service to children, families and the medical profession.

One of the most respected and loved pediatric surgeons in medicine, in his more than 50-year association with MUSC, few have made a more significant impact on patients, faculty, staff and students.

When Dr. Othersen joined the faculty at MUSC in 1965, he was the state’s first pediatric surgeon and one of the first in the Southeast. Dr. Othersen remembers when there was not a Children’s Hospital, and he says opening it in 1989 made a remarkable difference. As one of the founders of the MUSC Children’s Hospital, Dr. Othersen worked hard to ensure that children had the best care that could be found anywhere. Without Dr. Othersen’s vision, determination and work, the MUSC Children’s Hospital would not be what it is today. He is a giant in the development of pediatric surgery at MUSC.

His vision, determination and work ethic continue to inspire and motivate others. Dr. Othersen and his wife, Janelle, personally helped lead the charge for the Shawn Jenkins Children’s Hospital campaign with a generous matching gift challenge to the Pediatric faculty and staff; he leads and continues to inspire residents, faculty and alumni as chairman of the MUSC Curtis P. Artz Surgical Society; and every Wednesday at 7:15 a.m. without fail, he holds thought-provoking lectures for the MUSC residents on their pediatric surgery rotation in the famous “Bee Hive Sessions.”

“This naming serves as a permanent tribute to Dr. Othersen’s compassion and skill as a surgeon, along with his many contributions to his profession and community,” said Prabhakar Baliga, M.D., chairman of the Department of Surgery. “It is our privilege to have Dr. Othersen’s name associated with the MUSC Shawn Jenkins Children’s Hospital in perpetuity.”

C. Fletcher Derrick, Jr.  
(M.D. ’58, Urology ’66)  
Surgeon and Spy

Dr. C. Fletcher Derrick has written a book. He says it is “more of an autobiography about my work, family, travels, but also includes the story of how I came to be a covert courier for sensitive, classified material for U.S. Military Intelligence.”

The name of the book is “Surgeon and Spy” and if you’re curious, you can buy it on Amazon.com.

Dear Alumni Authors and Artists  
WE’D LOVE TO HEAR FROM YOU.

Have you written a book or held an art exhibition?

Please let us know by contacting:  
Michaela Coleman  
MUSC College of Medicine  
261 Calhoun St., MSC 182  
Charleston, SC 29425  
Email: colemamm@musc.edu
Carol Graf, M.D. (’72) publishes new novel

“The cure for anything is salt water. Sweat, tears or the sea.”

Carol Graf, M.D. (’72) publishes new novel

With a bittersweet and captivating narrative that was inspired by events in her own life, Carol Graf brings readers a stunning debut novel about a psychiatrist and her patient whose parallel journeys take them from family brokenness to the redemption and hope that can only be learned from life’s most painful moments.

Set against a lush Lowcountry backdrop of Spanish moss, salt marshes, silent oaks, and the pounding sea, *The Hours Between Us* is an artful exploration of the heartbreaking struggles and unbreakable spirits of two extraordinary women.

Kai Ingerson was motivated to become a psychiatrist after a childhood of dysfunction with her tempestuous and manic-depressive grandmother, Dumpling. Now divorced, in private practice and raising two teenagers, she starts work with Stephanie, a young grad student with acute leukemia, who has returned to Charleston and its mystic healing waters and marsh, to fight for her life. Stephanie braves the revelations of shocking family secrets, while Kai seeks peace with her own past as the therapy unfolds.

Both women emerge with new capacities for love, life, and spiritual truths. This is a powerful work from a novelist whose story reflects her real-life experiences as a psychiatrist in Charleston.

Carol Graf was born in 1946, surrounded by the great plains of Oklahoma. Her father was an Army Air Corps instructor pilot based in Tulsa and her mother was a homemaker to Carol and her two brothers. Her childhood was full of creative play.

Carol was five, changed her life irrevocably. For the next ten years, her family was caught in the emotional turbulence and dysfunction of her mother’s extended family. Excelling in academics and athletics provided much needed balance and buffers to her family turmoil. She was valedictorian of her senior class.

She graduated from the University of South Carolina with degrees in biology and chemistry (pre-med curriculum). Her work on the school newspaper, the Gamecock, culminated in editorship her senior year and honed her parallel interest in writing.

She was one of only three women in her graduating class at the Medical University of South Carolina, where she completed her residency in psychiatry in 1976. It was during her medical training that her intense experiences with patients became the first stories that ultimately led to the writing of *The Hours Between Us*.

Entering the private practice of psychiatry in Charleston, South Carolina, she spent over thirty years working with children, adolescents, adults, and couples. She created a group practice with an innovative model of interrelatedness between psychiatrists, psychologists, and masters level therapists in their medical and therapeutic work together.

Carol lives with her husband Alex on deep water on a salt marsh in Charleston. You can purchase *The Hours Between Us* on Amazon.com or at http://www.thehoursbetweenus.com/.

Robert C. Gallagher, M.D. (’80) to Lead Cardiothoracic Program at Western Connecticut Health Network

Last August, Robert C. Gallagher, M.D. was named chief of cardiothoracic surgery for Western Connecticut Health Network (WCHN). Most recently, Dr. Gallagher served as a senior attending cardiothoracic surgeon at Hartford Hospital where he founded the robotic cardiothoracic program, which has grown to be the largest program of its kind in New England. He has extensive experience in coronary artery bypass grafting (CABG), aortic and mitral valve surgery, and video-assisted thoracic surgery (VATS).

Dr. Gallagher is the only cardiothoracic surgeon in Connecticut and one of two in New England with advanced expertise in robotic-assisted cardiac surgery, having performed more than 300 cardiac and thoracic procedures. He has been a champion of minimally invasive cardiothoracic surgical techniques since the late 1990s.

Dr. Gallagher earned his medical degree from the Medical University of South Carolina College of Medicine in 1980 and completed a general surgery residency at Boston University Medical Center and a cardiothoracic surgical residency at Strong Memorial Hospital in Rochester, NY. He completed fellowship training in critical care medicine at the University of Florida College of Medicine and fellowship training in general surgery and cardiac surgery at Hartford Hospital. Dr. Gallagher also served as a cardiac transplant/ventricular assist device fellow at the University of Pittsburgh Presbyterian University Hospital.

Certified by the American Board of Thoracic Surgery in Thoracic and Cardiac Surgery, Dr. Gallagher is an assistant clinical professor in the Department of Surgery at the University of Connecticut School of Medicine.

An author of numerous scientific publications, Dr. Gallagher’s clinical interests include aortic aneurysm repair, atrial fibrillation, cardiology, coronary artery bypass surgery, esophageal cancer, heart valve surgery, maze procedure for atrial fibrillation, minimally invasive surgery, peripheral vascular surgery, robotic surgery, thoracic aortic surgery, and transcatheter aortic valve replacement (TAVR).
Roger Newman, M.D. (’80) releases second suspense novel

Mikie Hayes | hayesmi@musc.edu

It’s not unusual in a novel or movie for a CIA operative like Jason Bourne, Ethan Hunt or Jack Ryan to be the story’s action hero, rooting out corruption and sinister megalomaniacs and ultimately saving the day. It’s rather expected, actually, owing to their flat abs, intensive combat training and electrifying missions.

While it might not be unusual for an expectant mom during delivery to think of her OB-GYN as her personal hero, these specialized doctors rarely, if ever, come to mind when considering the role of action hero in books or on screen.

“There’s actually only one OB-GYN action hero that we know of,” said Roger Newman, M.D., professor and Maas Chair for Reproductive Sciences, proudly, “and that’s Dr. Declan Murphy.” Newman is the author of the recently released book, Two Drifters, that continues to follow the exploits of MUSC’s Murphy.

Newman’s highly-anticipated sequel, published 18 months after the release of his first book, picks up where “Occam’s Razor” published 18 months after the release of his Newman’s highly-anticipated sequel, MUSC’s Murphy.

Newman’s adventure takes him from tiny coal mining towns of West Virginia, to dangerous biker bars outside Lake Charles, Louisiana, and the voodoo culture of South Louisiana. Murphy ends up in a small-town hospital in Sulphur, Louisiana, after being nearly beaten to death. He returns to Charleston in search of both personal and professional redemption.

After reading Two Drifters, Steve Brigman, author of “The Orphan Train,” said, “The path ahead is clear as mud in this gripping medical thriller, but Dr. Declan Murphy must find answers that could save his career. As the author skillfully peels back the layers, we find only darkness, and danger, but Murphy pushes through the barricades. It almost costs him his life.

Newman nailed this one, a page-turner throughout, crafted by a natural storyteller.” Newman took stock of how his life has changed since writing “Occam’s Razor,” his first novel. “Writing the first book was extremely gratifying, but I had been shaping that story in my head for literally 20 years. I was gratified that I got it written, published and that people liked it, but the real question was, ‘Do I have any more to write?’ I was extremely excited that this second book essentially flowed out of me. I wrote it in less than a year – maybe even six months,” he said.

Newman is staying busy. He is currently working on his third book in the series, working part-time in his medical practice and working on his third book in the series, their idyllic life had come to offer.

The plot quickly thickens, however, and their happiness is disrupted when Helene, the love of his life, is diagnosed with HIV. With her death, Murphy is plunged into a deep depression. Distraught beyond words, he struggles to cope with her death and get through life. Depression affects his work to their idyllic life had come to offer.

The story becomes further complicated when two unrelated events on the same night conspire to destroy his career.

Murphy is taking call on July 4, trying to manage staff and a service full of new residents on call for the first time. When a delivery goes wrong, it results in a battle between him and the anesthesia department. That same night, he encounters a couple with no prenatal care visiting his triage room, who believe that she has had a premature rupture of her membranes and is at risk for early labor. Upon examination, Murphy and the resident find no evidence that her water had broken, and she is discharged. He can’t put his finger on it, but his instincts tell him there is something sketchy about these two drifters.

Several days later, she is admitted to a different hospital diagnosed with ruptured membranes and experiences a premature delivery. The baby dies. They blame Murphy. He soon finds himself embroiled in a malpractice lawsuit.

Things go from bad to worse when Murphy is put on suspension as a result of a peer-review complaint by the Anesthesia Department. His career, it seems, is in a downward spiral.

While his negligence seems undeniable – he’s not willing to accept that. He can’t stop thinking that something isn’t right about these drifters. Despite what seemed like a total lack of sophistication, they were surprisingly knowledgeable about certain aspects of OB-GYN – especially as they related to the standard of care for their evaluation and treatment.

Murphy becomes suspicious this might have been something they’ve done before. He uses his contacts, including his friend, Laurence Nodeen, in the Department of Justice, who helps him track down the true identities of this couple.

Murphy’s adventure takes him from tiny coal mining towns of West Virginia, to dangerous biker bars outside Lake Charles, Louisiana, and the voodoo culture of South Louisiana. Murphy ends up in a small-town hospital in Sulphur, Louisiana, after being nearly beaten to death. He returns to Charleston in search of both personal and professional redemption.

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Newman is staying busy. He is currently working on his third book in the series, working part-time in his medical practice and coaching girls’ basketball at Academic Magnet High School. He has also started a new blog that can be found at rogerbnewman.com/post-scripts/

The MUSC Bookstore, located at 158 Ashley Avenue across from the MUSC Storm Eye Institute, now carries signed copies of both “Occam’s Razor” and Two Drifters.

You can also inquire about getting a personally signed hard copy. Both books can also be ordered at Amazon.com or rogerbnewman.com/books.

This article first appeared in the November 18, 2016 edition of the Catalyst and is reprinted here with permission.
Andrea Trescot, M.D. (’83) publishes new textbook

As a medical student at MUSC in 1983, Dr. Andrea Trescot was honored by Dr. Vic Del Bene with a physical diagnosis award. Now she has published *Peripheral Nerve Entrapments: Clinical Diagnosis and Management*, the culmination of 30 years of clinical practice.

Featured as a single volume, this is a comprehensive guide to possible nerve entrapment syndromes and their management. Each chapter covers a single nerve, or group of closely related nerves, and goes over the clinical presentation, anatomy, physical exam, differential diagnosis, contributing factors, injection techniques, neurolytic/surgical techniques, treatments of perpetuating factors, and complications.

Nerve entrapments can occur throughout the body and cause headaches, chest pain, abdominal pain, pelvic pain, low back pain, and upper and lower extremity pain. As an example, one of the most common forms of nerve entrapment syndrome, Carpal Tunnel Syndrome, affects roughly 1 in 20 people in the United States, and is only one of several types of entrapment syndromes possible for the median nerve.

Chapters are also extensively illustrated and include 3D anatomical images. The additional online material enhances the book with more than 50 videos - at least 2 for each nerve. This enables readers to easily navigate the book. In addition to a conventional index it includes a “Pain Problems Index” for searching by symptom. *Peripheral Nerve Entrapments: Clinical Diagnosis and Management* is a long-needed resource for pain physicians, emergency room physicians, and neurologists.

Fran Mixson Kunda, M.D. (’86) honored as family physician of the year

The South Carolina Academy of Family Physicians (SCAFP) today honored Fran Mixson Kunda, M.D. of Chesnee, SC as the 2016-2017 SCAFP Family Physician of the Year during its Annual Scientific Assembly. The Family Physician of the Year award honors an outstanding South Carolina family physician who provides patients with compassionate and comprehensive care, and serves as a role model professionally and personally to his or her community, other health professionals, residents and medical students.

Kunda has practiced in Spartanburg County since completing her residency and has been an integral part of the community since that time. Initially in private practice, she invited numerous medical and nursing students into her office for their elective rotations.

She joined the Spartanburg Regional Family Medicine Residency Program as an Assistant Professor of Family Medicine three years ago and has been named the Faculty Member of the Year for two of the past three years. She has been described as a genuine and compassionate teacher to the family medicine residents and medical students. A fantastic family physician!

She has represented her profession on a local and state level – having served as the Spartanburg County Medical Society President, Medical Director of St. Luke’s Free Medical Clinic, SCAFP President & Board Chair; and is currently the SCAFP Alternate Delegate to the SC Medical Association.

She has vast international medical experience volunteering throughout Central America & Africa; and also volunteers at her local Free Medical Clinic.

Kunda, a native of Orangeburg, SC, is a graduate of the College of Charleston and earned her medical degree from the Medical University of South Carolina in 1986. She completed her Family Medicine Residency at the Spartanburg Regional Family Medicine Residency Program.

The South Carolina Academy, with a membership of over 1820, is a constituent chapter of the American Academy of Family Physicians which is composed of over 120,900 family physicians and medical students nationwide. The AAFP is one of the nation’s largest medical specialty societies.

The AAFP and its constituent state chapters act as the official voice of family physicians to state and federal legislators and agencies, the public and organized medicine.
S. Lindsey Clarke, M.D. ('96) receives residency training faculty award

Dr. Lindsey Clarke, family medicine teaching faculty and associate program director at the Self Regional Healthcare Family Medicine Residency Program, received the South Carolina Area Health Education Consortium’s 2016 Halford Award. The award is presented annually to a Family Medicine residency-training program faculty member who shows outstanding leadership qualities in humane education.

Winners of the award possess a caring attitude and respect for patients, residents and students; value human dignity; and demonstrate a passion for teaching, working with others and participating in community service activities.

The Halford Award was established in 1995 to honor Dr. James G. Halford, a teacher and role model who made many contributions to family medicine. The award serves as a tribute to his ideals of caring, dignity and respect that he passed on to his students and colleagues, as well as his passion and joy for learning and working with others.

Clarke completed his undergraduate education at Davidson College, and went on to receive a medical degree from the Medical University of South Carolina in 1996. He completed his residency at Carillion Health System in Roanoke Virginia and after nine years of rural health practice in South Carolina joined the full-time teaching faculty at the Montgomery Center for Family Medicine.

Satish Nadig, M.D. ('03) Wins Rising Star in Transplantation Award

Dr. Satish Nadig, Assistant Professor in our Departments of Surgery and Microbiology & Immunology, has been chosen by the American Society of Transplant Surgeons to receive the 2017 Rising Stars in Transplantation Award. Congratulations to Dr. Nadig on this recognition of his contributions to the field of transplantation!

College of Medicine alumna teaches residents in Ethiopia

Jennifer Bracey, M.D. ('06) is Assistant Professor of Medicine in the Division of General Medicine and Geriatrics at the Emory University School of Medicine. She is also the Associate Director of the Global Health Track for Internal Medicine, which has sites of partnership for Emory include Ethiopia, Georgia, and India. Dr. Bracey is charge of the Ethiopia portion. Each March, she travels to Addis Ababa, the capital city of Ethiopia, as a part of the Emory/Addis Ababa University partnership, to teach Quality Improvement (QI) classes and round at Black Lion hospital to help their department with their QI work.

Dr. Bracey notes that part of the connection of Emory in Atlanta with Addis Ababa University in Ethiopia perhaps arose from the fact that, outside of Washington, DC, Atlanta is home the second largest population of Ethiopians within the United States.

Dr. Bracey with two of Emory Internal Medicine residents after a morning of rounding at Black Lion hospital in Addis Ababa, Ethiopia, as a part of Emory’s Global Health Scholars of Distinction Track for internal medicine residents.
1954 John H. Stanley
Northampton County Health Department recently honored Dr. John H. Stanley after 50 years of service. Dr. Stanley also received the Order of the Long Leaf Pine.

Dr. Stanley, who recently turned 90, is not retiring from his medical practice in Woodland, where he has maintained the town's only doctor's office for the past 60 years. Former Northampton Health Director Sue Gay, who worked with Stanley in different capacities for decades, said she came back to honor "a man who has truly given of himself in so many ways to the people of this county."

Gay said she thinks of one word to describe Dr. Stanley, "Servant...to this agency; to the citizens of this county; to the people of this agency; and to many agencies that he served. Dr. Stanley is truly, truly a legend," Gay said. "He has left a legacy on the hearts of the many people he has come in contact with."

Congratulations to Dr. Stanley from the MUSC College of Medicine!

1959 George O. Bailey
Dr. Bailey writes from Anderson, SC: Rotating internship at Greenville General Hospital; general practice 10 years, Charter Diplomate American Board of Family Medicine, Assoc. Professor and Family practice for eight years. Senior Flight Surgeon, USAF. Medical Missions (short trips) since retirement from Air Force. Had first PA in upstate. First physician to operate an alcohol detox center in the upstate. USN corpsman and lab tech.

1969 David W. Sox
Retired August 31, 2016, after 44 years of Internal Medicine practice.

1972 Alexander R. Smythe
Gwen and I were both graduates of MUSC, we both have many fond memories of our many years in nursing, pharmacy, medical school and residency in OB/GYN in Charleston. Our first apartment was on President Street's for 567 a month and we only had a short walk to the campus. I received an outstanding education in pharmacy which taught me how to study and prepared me for my professional career in maternal fetal medicine. I am fortunate to still be working in an eight person practice in Columbia but we still enjoy visits to the holy city and always ride through the campus reflecting on our years spent.

A funny story: while in college I received a flyer in Florence at that time USC campus from Dr. Golod about a meeting for potential pharmacy students. I put flyers all over the school went to the meeting on Friday afternoon and I was the only one that showed up. Needless to say after two hours of talking to Dr. William Golod and telling him that I really wanted to go to medical school but had heard pharmacy students did well sold me and signed me up on the spot and the rest is history I will be forever grateful.

Gwen and I reside in Columbia where I practice OB/GYN after spending five years in the military and completing my fellowship in maternal fetal medicine. We have nine grandchildren and spend most of our spare time with family and friends hunting and at Lake Wateree. We recently had our 50th wedding anniversary and enjoyed seeing many friends and acquaintances over the years.

1976 Leland E. Garrett
Recently became the Contractor Medical Director for Medicare Jurisdiction M (South Carolina, North Carolina, Virginia, and West Virginia).

1988 John E. Jenkins
Appointed Chief Clinical Officer for Connected Care to lead the strategic development of virtual medicine and innovative care delivery models. System wide provider recruiting reports though my office as well.

1989 Ralph E. Moore
Joins the Sports Medicine Faculty at Wake Forest Department of Orthopaedics as of January 1, 2017.

1993 Albert H. Bonnema
I am transferring from the Defense Health Agency as Deputy CIO for Analytics to US Air Force School of Aerospace Medicine as the Chief, Applied Technology and Genomics.

2013 Patrick Courtney
Family-medicine physician, Patrick Courtney, M.D., joined the medical staff at the St. Anthony Clinic in Carroll, Iowa, on August 15, 2016.

2013 Brett M. Joffecker
Family Medicine residency completed in June of 2016 at the University of Kansas School of Medicine, Via Christi, Wichita, Kansas.

1993 Albert H. Bonnema
I am transferring from the Defense Health Agency as Deputy CIO for Analytics to US Air Force School of Aerospace Medicine as the Chief, Applied Technology and Genomics.

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**KEEP US UPDATED**

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](http://www.musc.edu/alumni/stay_connected.htm)
Dr. John Peter Manos, R.I.P.

We mourn the passing of College of Medicine alumnus and former faculty member John P. Manos, M.D., who passed away in December. Deeply respected and admired as a teacher, colleague and friend, Dr. Manos contributed more to the Medical University and the Charleston community than can be adequately conveyed in this space. We include a few tributes to him below and extend our sincere condolences to the Manos family.

Dr. John Peter Manos

M.D.

MUSC College of Medicine Class of 1957

Professor of Pathology and Laboratory Medicine 1957 - 2002

To the entire family of John Manos I wish to convey my profound sympathy on the loss of a devoted colleague and friend.

I was fortunate to have him as teacher at MUSC. Great Man.

~ Paul Linker, M.D. (’96)

John Peter Manos, M.D.

MUSC College of Medicine Class of 1957

Internal Medicine residency alumnus 1959

Professor of Pathology and Laboratory Medicine 1957 - 2002

CHARLESTON - John Peter Manos, M.D. 90, passed away on December 27, 2016 in his home. Surviving are his wife, Katina C. Manos, and their four children, Toni Manos, M.D., Peter N. Manos, M.D. and his wife Jane, John Manos, Athena Manos and her husband Steve Dykes; Grandchildren, Joni Manos, Nicholas Manos, John D. Manos, Katina Hilliard, and Zachary Hilliard.

Dr. Manos was born July 13, 1926 in Detroit, Michigan, to the late Peter John Manos and the late Antonia Georgeleas Manos. The family later moved to Columbia, S.C. Before attending college, Dr. Manos served in the Merchant Marines as a medic in the South Pacific during WWII. After the war, he attended and graduated cum laude from the University of South Carolina. He began working on a PhD at the University of Pittsburgh. In the Virus Research Lab, he was the lead scientist under Dr. Jonas Salk, who later discovered the polio vaccine. He met and married his wife of 65 years, Katina Corontzes. He attended medical school at the Medical University of South Carolina (then known as the Medical College of South Carolina). After completing a General Medicine Internship at MUSC, he began his private practice in Charleston, S.C. In 1957 he was recruited by the chairman of Microbiology at MUSC and served on the faculty there until retirement in 2002. During his 45 year career at MUSC, Dr. Manos earned his way through the ranks to become one of the most venerated faculty members. He served as Vice-Chairman of the Department of Microbiology, Vice-Chairman of the Department of Pathology, and Interim Chairman for six years. Dr. Manos also achieved true distinction, being awarded Distinguished Faculty Service Member, for serving nearly 25 years as the director of Diagnostic Microbiology Laboratory. His colleagues were quoted as saying "he ran the most valid tests, and ran them well." As a professor, Dr. Manos was always held in the highest regard by MUSC. He taught Microbiology, particularly Virology to thousands of MUSC students, including his two children Toni and Peter. He was the course co-director for both Microbiology and Infectious Diseases and Anatomic and Clinical Pathology and Laboratory Medicine.

During his career he received 7 Golden Apple Awards and 14 Teaching Excellence Awards from MUSC. He taught Microbiology, particularly Virology to thousands of MUSC students, including his two children Toni and Peter. He was the course co-director for both Microbiology and Infectious Diseases and Anatomic and Clinical Pathology and Laboratory Medicine.

His educational efforts exceeded beyond the MUSC campus. He had a variety of speaking engagements to civic community groups, governmental bodies, and he reached out to high school students as well. When AIDS first began making national headlines, Dr. Manos was in constant demand as an authority on the disease, including numerous international medical conventions as guest speaker. Dr. Manos was a member of the Greek Orthodox Church of the Holy Trinity. He enjoyed a broad list of interests outside of medicine. He was an avid tennis player, an excellent wood worker, and he loved sailing. He was well respected throughout his long career, but most importantly, he was deservedly respected and deeply loved and admired by his wife and children. He was just such a wonderful gentleman, husband, father and grandfather.

I was a medical student at MUSC from 1972-76 and did my internship and residency there. I remember Dr. Manos’ lessons well in the Basic Sciences Auditorium. He was the best of the group teaching us about bacteria and viruses. I had RNA and DNA viruses orbiting in my brain, but he presented them in an organized fashion. I reviewed his lectures on my way to Augusta to take the Boards for Internal Medicine. He just knew what he was talking about, and he wanted us to at least learn the basics. And, he was an engaging lecturer. As I type this now, I can see him at the podium using his pointer on the screen with me taking notes. Thank you for listing his obituary in The State newspaper. He was an influence on my life, and I appreciate the opportunity to remember his lessons. I am retired now from general outpatient internal medicine after 36 years. I hope that I can live until my 90th year as he did. I share the sorrow in your loss.

~ John G. Black, M.D. (’76)
Alumni Loyalty Fund Travel Grant recipients continue to bring home awards

Madison R. Kocher, a fourth year medical student at MUSC, received an Alumni Loyalty Fund Travel Grant that enabled her to travel to Chicago last November to attend the Radiology Society of North America (RSNA) annual meeting and present her research, “Pretreatment FDG-PET standardized uptake values and tumor size in medically inoperable NSCLC is prognostic of organ two-year survival after stereotactic body radiation therapy”. For her work, Madison received the Trainee Research Prize in the chest category.

In addition, Madison also won the Radiology Art Contest with one of her paintings, entitled “Congestive Art Failure”. She is very grateful for the financial assistance provided by the Alumni Loyalty Fund Travel Grant Program.

Congestive Art Failure, by Madison R. Kocher
CAMPAIGN UPDATE

WE ARE ALMOST THERE!

Since the launch of the Opening Doors Scholarship Campaign in 2012, the College has received a substantial increase in alumni giving to help ease our students’ educational debt. This first scholarship campaign in the College’s history will end in December 2017 and we hope to reach our $30 million goal.

Medical education is an expensive endeavor, no matter how efficiently one tackles it. With state support comprising less than 4% of the total operating budget for the College of Medicine, and with the College’s decision a few years ago to freeze tuition rather than increase the economic burden on our students, scholarships have become more important than ever. There simply is no other source of funding for the College’s education mission.

Making a gift to the your Class Scholarship fund is an effective way for you and your classmates to make small or moderate contributions that can have a large impact. All gifts made to your Class Scholarship fund will help enable the College to provide enough financial support to continue educating the most deserving students, regardless of their financial means.

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All gifts count…all amounts help… each and every gift benefits our students. Give today to your Class Scholarship Fund!

Use the envelope in the fold of this newsletter or visit www.musc.edu/giving/com

IF YOU HAVE QUESTIONS OR NEED ADDITIONAL INFORMATION, PLEASE CONTACT CANDACE GILLESPIE AT (843) 792-9243 OR GILLESCF@MUSC.EDU.
Dzens of Scholarship donors and over a hundred of the students they generously support gathered at the College of Medicine’s annual Scholars and Benefactors Celebration brunch on October 15th at the Country Club of Charleston. The event provided an opportunity to recognize the accomplishments of the College’s scholarship recipients and to express heartfelt gratitude to the many donors whose generosity and support have been, and continue to be, vital to the College’s ability to carry out its education mission.

Dr. Will Brabham, a College of Medicine class of 2005 alumnus, delivered remarks and remembrances from his time in medical school. Dr. Brabham, whose youthful appearance led several people at the event to ask him what year of medical school he was in, assured everyone that he had been practicing medicine for over a decade, and in that time he had developed a strong appreciation for the excellent education he received at MUSC. He also expressed his profound gratitude for the May Family Medical Heritage Scholarship he received when he attended the College of Medicine over ten years ago.

Dr. Charles R. May III, who passed away in 2008, was a much admired alumnus of the College’s class of 1962. The May Family Medical Heritage Endowed Scholarship was established by Dr. May and members of the May family to honor the long line of May Family graduates of the College of Medicine. Dr. Brabham was pleased that, in a serendipitous turn of events, Dr. May’s wife, Margaret Anne May, his daughters, Nelle May Stephenson, Lauranne May, and his granddaughter, Miss Maggie May Stephenson were at the event and he had the opportunity to thank them in person.

New scholarship benefactors this year included both the president of MUSC and the Dean of the College of Medicine. Dr. David J. Cole, Mrs. Kathy Cole, and Mrs. Cole’s mother, Mrs. Virginia Cochran, together established the Jack Cochran Endowed Scholarship to honor the memory of Mrs. Cole’s father. The first Cochran Scholarship recipient, Kendall Headen, was there to thank Mrs. Cochran and Mrs. Cole in person. In addition, Dr. Ray DuBois, Dean of the College of Medicine, joined his wife, Mrs. Lisa Abrams DuBois, and Andrew and Karen Abrams, to establish the Sol and Ditty Abrams Endowed Scholarship in honor of their mother and father. Mrs. Ditty Abrams was present at the event and very pleased to be able to meet the first Abrams Scholarship recipient, Shannon Blair.

Several generous donors who have established endowed scholarships within the College of Medicine attended the event, including Dr. Peter C. Gazes (‘44) and Mrs. Athena Gazes, Dr. Vasiliki Moskos (‘65), Dr. Harold P. Hope, Jr. (‘67) and Mrs. Jane Hope, Dr. R. Delores Gibbs (‘73), Dr. Robert E. Livingston, III (‘65) and Mrs. Georgette Livingston, Mrs. Kelley Smith O’Quinn, Mrs. M.E. Canaday.

Longtime scholarship donors to their Class Scholarship funds or to the James B. Edwards Endowed Scholarship included Dr. H. Biemann Othersen (‘53) and Janelle Othersen, Dr. Ed Horger (‘62) and Polly Horger, Dr. Laurie Ervin and Jennie Ervin (‘63), Dr. Robert T. Ball (‘70), and Dr. William T. Creasman and Mrs. Erble Creasman.

Dr. Bruce Elliott, the Chief Medical Officer for MUSC Physicians and MUSC Health, along with all of our MUSC doctors, established the MUSC Physicians Medical Scientist Training Program Scholarship which provides much needed scholarship support to MD/PhD students.

Drs. Rick and Danyel McEvoy were present representing the Medical Society of South Carolina, which established the prestigious Roper St. Francis Physician Scholarship Program a few years ago and which is not providing some of the most generous scholarship packages available to MUSC students.

Scholarship support is among the College of Medicine’s highest priorities and it would be difficult to overstate the impact that our alumni have made to ensuring that qualified students can afford to attend the College of Medicine regardless of their financial circumstances.

The College of Medicine and our students are profoundly grateful for the generosity and foresight of the scholarship donors who have opened the door to a medical education for so many students who otherwise would not have been able to pursue a career in medicine. We could not do it without you!
Dr. Will Brabham spoke of his time in medical school, “The education that I received from the likes of Dr. Gabe Virella, Dr. Frank Spinale, Dr. Peter Gazes, Dr. Mike Zile, Dr. Marcus Wharton, Dr. Terry Day, Dr. Fred Crawford, Dr. Stephen Schabel, Dr. Julius Sagel, Dr. Ben Clyburn, and Dr. Newton Brackett was second to none. These are all world class physicians who you and I have the opportunity to learn from on a daily basis.”

Photograph key: 1 Left to right, Dr. Bruce M. Elliott, Dr. Randy Smoak, and Dr. Robert T. Ball, Jr. 2 Polly Horger, Dr. Ed Horger, Dr. Robert T. Ball, Guest, Mr. Samuel Anderson, Mrs. Jennie Ervin and Dr. Laurie Ervin 3 Standing, left to right, Ms. Joycelynn Hardy, Mrs. Susan Elliott, Ms. Emily Cloessner, Ms. Alexandrea Gridine; seated, left to right, Dr. William T. Creasman, Mrs. Erble Creasman, Mr. Matthew Demaree, Mr. Jesse Pearce, and Mr. Matthew Roberts 4 Dr. Danyel McEvoy and Dr. J. Rick McEvoy, Jr. 5 Dr. Robert T. Ball talking with students 6 Mr. Jesse Pearce 7 Mrs. Margaret Ann May, Miss Maggie Stephenson, Ms. Nelle Stephenson, née May, and Ms. Lauranne May 8 Scholarship recipients with Mrs. Athena Gazes (seated, second from right), Dr. Peter C. Gazes and Dr. H. Biemann Otherson (standing, far right) 9 Mrs. Jane Hope and Dr. Harold Hope, Jr. 10 Mrs. Karen Abrams, Ms. Shannon Blair, Mrs. Ditty Abrams, and Dr. Raymond N. DuBois, Dean, and Mrs. Lisa DuBois, née Abrams. 11 Dr. William Brabham 12 Scholarship recipients 13 Standing, left to right, Ms. Julia Brown, Dr. Vasiliki Moskos, Ms. Linda Con, Mr. Ryan Mertz, Dr. Bobby Livingston; seated, left to right, Mr. Christopher Asury, Dr. R. Delores Gibbs, Dr. Elias Dailey, Mrs. Georgette Livingston. 14 Standing, left to right, Mr. Charles Johnson, Mrs. M.E. Canaday, Mrs. Wanda Taylor, Dr. Randy Smoak; seated, left to right, Dr. Will Brabham, Mrs. Margaret Ann May, Mrs. Nelle Stephenson, Miss Maggie Stephenson, and Ms. Lauranne May 15 Mrs. Jane Hope and Dr. Harold Hope, Jr. and Mr. John Mark Sawyer 16 Miss Kendall Headden, Mrs. Kathy Cole, and Mrs. Virginia Cochran
Dear Friends,

We are pleased to provide the following summary of your generous support of the Medical University during 2016. On behalf of all the students, patients, researchers and educators who will benefit from your generosity, thank you. We hope you will continue to remember the College of Medicine in your charitable plans. Your contributions help preserve our strong tradition of outstanding education and enhance the reputation of all who hold the degree.

**Alumni Honor Roll of Donors**

With sincere gratitude, we thank the following alumni who made gifts between January 1, 2016 and December 31, 2016, to any fund within the MUSC Foundation in support of the Medical University of South Carolina, our students, our faculty and our education, research and clinical missions. Those individuals whose names are in bold are members of the Society of 1824 who have contributed $1,000 or more during calendar year 2016.

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<thead>
<tr>
<th>Year</th>
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| 1944 | W. Ely Brooks  
   | Peter C. Gazes  
   | Charles R. Popp  
   | James L. Walker |
| 1945 | William L. Cheezem, Jr.  
   | Wayne C. Brady  
   | G. Preston Edwards  
   | Thomas W. Hutson, Jr. |
| 1947 | Howard J. Barnhard  
   | Hugh H. DuBose, Sr.  
   | Ralph H. Bowick  
   | Henry E. Fierson  
   | William L. McDow |
| 1948 | Theodore S. Levy  
   | James H. Sanders, Jr.  
   | Herbert L. Allen  
   | Mary E. Blanchard  
   | Walton L. Ector  
   | J. Vernon Jeffords  
   | Roland M. Knight |
| 1950 | James H. Sanders, Jr.  
   | Herbert L. Allen  
   | Mary E. Blanchard  
   | Walton L. Ector  
   | J. Vernon Jeffords  
   | Roland M. Knight  
   | James H. Horton, Jr.  
   | Francis N. McCoolie, Jr.  
   | Howard B. Norton  
   | H. Biemann Otherson, Jr. |
| 1951 | James H. Sanders, Jr.  
   | Herbert L. Allen  
   | Mary E. Blanchard  
   | Walton L. Ector  
   | J. Vernon Jeffords  
   | Roland M. Knight  
   | James H. Horton, Jr.  
   | Francis N. McCoolie, Jr.  
   | Howard B. Norton  
   | H. Biemann Otherson, Jr.  
   | William F. Strait III  
   | Charles H. Banov  
   | Walter M. Bonner, Jr.  
   | Ladson L. DuBose  
   | George B. Dysart  
   | Vernon E. Merchant, Jr.  
   | John T. Roper |
| 1954 | James E. Barnett, Jr.  
   | Jack M. Graham  
   | Joseph D. James  
   | William H. Brown  
   | Charles H. Banov  
   | Walter M. Bonner, Jr.  
   | Ladson L. DuBose  
   | George B. Dysart  
   | Vernon E. Merchant, Jr.  
   | John T. Roper  
   | Charles N. Simmons  
   | Broadus F. Sowell  
   | Ben E. Woodward  
   | J. Caulie Gunnell, Jr.  
   | William S. Houck, Jr.  
   | Henry G. Kelley, Jr.  
   | Claudia G. Oxner Simmons  
   | Robert M. Prince, Jr.  
   | Mabel L. Parkerson  
   | Thomas A. Quattlebaum, Jr. |
Ronald D. Gaskins
Alan B. Glassberg
Joe B. Godfrey
James P. Hentz
Cloud H. Hicklin
Edgar G. Hoge III
Roy E. Hudgins, Jr.
Robert G. Mahon, Jr.
Roy M. McCoy
John A. Wells
Barney L. Williams, Jr.
Robert Wilson, Jr.

1963
Sandra C. Gate
Thomy J. Chakrav.
C. Thomas Cook
Ralph E. Cox, Jr.
John I. Fishburne, Jr.
Charles H. Ham, Jr.
Rion M. Rutledge
Marshall C. Sasser
Kate E. Smith
Hunter R. Stokes, Sr.
Walter T. Tideman III
Thomas L. Tiller, Jr.
C. Gary Zahler

1964
John M. Barnard
Floyd E. Ellison, Jr.
Ben N. Estes
J. Capers Hitt
Hugh C. McCord, Jr.
Donald W. Rhame
John R. Satterfield, Jr.
Palmira Silva Snape
Henry A. Wells

1965
Robert A. Blake
George R. Blalock, Jr.
Charles E. Corley III
William M. Crouch
Robert W. Hurt III
Arthur E. Leseme
Robert E. Livingstone III
Vasiliki Moskos
John E. Parker
James L. Purcell
Gene F. Starr
W. Carl Walsh, Jr.
William T. Weathers
David H. Webster
Herbert A. Wood, Jr.

1966
Daniel W. Brake, Sr.
Jeff Z. Brooker
J. Robert Cantey
Newton T. Clark, Jr.
John M. Cymes
Calhoun D. Cunningham
Cecil T. Durham, Jr.
James A. Fagan
W. Wallace Frady, Jr.

1967
Angus S. Baker
L. Thomas Barnett
J. Parks Booker, Jr.
Ray H. Dunkeleberg
James A. L. Glenn
Herbert M. Goldberg
Thomas B. Goo
Robert R. Haas
Leroy J. Howard
Harriam H. Jett
Charles C. Jones
Faye B. Miller
Joseph R. Roos
Earle R. Russell, Jr.
Charles G. Sasser
C. Alden Swatzenman, Jr.
Joseph W. Tollison
Jane K. Upshur
Michael K. Welborn
James L. Young, Jr.

1968
William Y. Buchanan, Jr.
William J. Fogle III
Robert M. Malanuk
Daniel Ravenel
Larry B. White

1969
Frank G. Boineau
Fred B. Brackett
Robert O. Brown, Jr.
Huay G. Bullock
Hugh G. Butcher, Jr.
Ralph E. Davis
Thomas E. Hearn III
C. Edward Huggins
Vera C. Hyman
Donald P. Neale
Stephen T. Powell, Sr.
Paul B. Pritchard III
Frederick E. Reed, Jr.
Joseph G. Reves
Lonnice N. Shull, Jr.
W. Chapman Smith
Jay J. Stein

1970
Robert E. Babbs III
Robert T. Ball, Jr.
Wayne D. Cartee
Vasa W. Cate
Francis T. Chardo, Jr.
Miriam L. Deletantio
Lloyd F. Hayes, Sr.
Jack F. Johnson, Jr.

1971
Daniel C. Bates
James R. Bowen
Edward W. Bray III
John C. Gaston
J. David Clyde
Lewis M. Davis, Jr.
Miles Elmore
F. Strait Fairley, Jr.
James A. Forre, Jr.
S. Lyle Graham III
Hal B. Holmes, Jr.
Paula T. Hughson
Eugene G. Johnson III
Joseph S. Rice, Jr.
Patricia P. Westmoreland

1972
Julius W. Babbs III
C. Brooks Bannister
William W. Burns
Arland H. Compton, Jr.
Henry F. Crotwell
Robert P. Faries
James J. Gettys
Harry T. Harvin, Jr.
Richard E. Heath, Jr.
James D. Herbert
Raymond D. Hesse, Jr.

1973
William A. Johnson
Canter K. Cockrill
William M. Simpson
George M. Smith, Sr.
L. Lyle Smith
Alexander R. Smythe II
William R. Stoddard, Jr.
Robert A. Wells

1975
Larry J. Bayard
Gerald W. Borland
J. Paul Bullock, Jr.
James F. Carter
Allan H. Curtis, Jr.
Joseph E. Davis, Jr.
Emily S. Foster
John M. Graham, Jr.
J. Greg Johnson
Thomas G. Johnson
G. Tripp Jones
Fred M. Kimmel
Jane L. Lalloche
Charles E. Leach, Jr.
T. Mark Meyer
George W. Mozingo III
Peter L. Owens
Alexandros A. Pappas
H. Byron Parker, Jr.
H. Timberlake Pearce, Jr.
Michael E. Reed
Lawrence H. Sutker
Joanna E. Vincent
Larry R. Winn

1976
Stoney W. Abercorn
John L. Almeida, Jr.
Michael G. Dahle
Marion H. Drews, Jr.
Lance A. Duvall
Charlotte L. Ellis
Leo M. Fatur
Dennis J. B. Fisher
W. Douglas Gentry, Jr.
Herbert G. Grantham
Lewis A. Greenby
Edith H. Hall
Grover C. Henderson III
W. Ennis James III

1977
R. Wayne Hanna
Phillip E. Hoffer
Robert M. Jones, Jr.
Peter A. Kahn
A. D. Kornegay
Stephen J. Kroll
Christopher L. Lee

1978
Walter E. Limehouse, Jr.
William L. Lowrance
Granger C. Osborne
LaRue D. Penny, Jr.
Charles P. Stroup
Marvin L. Talansky
Robert M. White
George F. Worsham, Jr.

1979
Kris A. McCormack
CONTINUEO SUMMER 2016

1977

1978

1979

1980

1981

1982

1983

1984

1985

1986

1987

1988
Michele S. Blackwood

1989

1990

1991

1992
John K. McGuirt

1993
Robert B. Lutes

1994
Teresa M. Luhrs

1995
Peter D. Hyman Jr.

1996
Irving Hwang

1997
Peter D. Hyman Jr.

1998
Teresa M. Luhrs

1999
Robert B. Lutes

2000
Edward W. Manno

2001
Martha B. Mundin

2002
David W. Parler

2003
John F. Renfro III

2004
Douglas W. Stokes Jr.

2005
Lori R. Stokes

2006
John T. Tolhurst

2007
Scott C. Steiff

2008
Jeffery L. Tedder

2009
James H. Tolley Jr.

2010
J. Scott Walton

2011
James H. Tolley Jr.

2012
J. Scott Walton

2013
James H. Tolley Jr.

2014
J. Scott Walton

2015
James H. Tolley Jr.

2016
J. Scott Walton
Donors are recognized, unless otherwise requested, in this honor roll based upon gifts received during the prior calendar year. We greatly appreciate gifts of all amounts, and every effort has been made to present a correct listing of donors. If there is an error in the listing of your name, if you made a gift during this period and are not listed, or if you would like to update your personal information, please accept our sincere apologies and contact the College of Medicine at (843) 792-8276 or email Michaela Coleman at colemamm@musc.edu.

2014
Mithunan Maheswaranathan
William A. Stokes III
Julie M. Teuber
Ashley A. Waring

2015
David M. Friedrich
Henry M. Gasi IV
Tahirali M. Motiwala

2016
Katherine E. Boland
Susannah L. Brown
Alexander M. Chiaramonti
Natalie J. Christian
Michelle L. Couse
Shannon A. Fleming
Deidre H. Gate
Jennifer L. Hislop
Melissa A. Hite
Christopher B. Johnson
Thomas W. Larrew
Ashley S. Muller
Lee C. Morris III
Marissa M. Moutsie
Benjamin M. Muller
Ashley L. Navarro
John K. Ogden
Amartha N. Ogbonnaya
Andrea M. Peterson
Guilherme B. F. Porto
Sarah T. Price
Saleh Rachidi
Mallory N. Roberts
Jordan A. Shealy
Brian J. Still
Rosalee K. J. Taam
Tracy E. Tholankunnel
Breille Weinstein
Caroline M. West
David B. Williams
Christopher D. Wolla

Rolling over your IRA has never looked so good and the legislation is permanent!
If you are 70 1/2 or older, you can roll over your Required Minimum Distribution to MUSC to make a charitable gift to the College of Medicine without being included in your gross income. Gifts up to $100,000 can be made and the transfer must go directly from your IRA to MUSC.

Interested in making a gift of this kind? Just follow these four easy steps!
1. Contact your IRA custodian to request forms and instructions to roll over your distribution to the Medical University of South Carolina
2. Submit the IRA request forms to your custodian
3. If needed, complete and submit the IRA roll over letter provided by MUSC at www.muscgiving.org
4. Notify the MUSC Office of Planned Giving at 843-792-9562 or in writing and include the following:
   - Name of your IRA custodian
   - The gift amount
   - How the gift is to be designated in the College of Medicine
   - Your contact information

IRA gifts and written notification letters may be mailed to the following address:
MUSC Office of Planned Giving
268 Calhoun Street, MSC 182
Charleston, SC 29425
MUSC-AnMed Health Clinical Campus innovating in medical education

By Allison Leggett

When the Liaison Committee for Medical Education (LCME), the accrediting body for U.S. allopathic medical schools, recently visited the College of Medicine’s clinical campus in Anderson, S.C., they discovered a recurring theme — happy MUSC students.

Building on over 40 years of collaboration in education, AnMed Health and the MUSC College of Medicine recently formalized the establishment of the MUSC-AnMed Health Clinical Campus. Up to twelve MUSC medical students will now have the opportunity to complete their third and fourth years of medical school at AnMed Health.

The new offering is part of the College’s goal to implement innovative medical student education models, giving students greater flexibility in where they complete clinical rotations. The MUSC-AnMed Health Clinical Campus will provide all of the required core rotations with emphasis on community-based medicine and population health.

AnMed Health is a 561-bed, not-for-profit health system serving the upstate of South Carolina with more than 400 physicians and 3,700 employees. Plans are underway for a new 5,000 sq. ft. education suite that will be completed in the spring of 2017. This innovative space will include dedicated didactic areas, personalized study space, lounge space and a fitness area for the students.

Anderson County and portions of the city of Anderson are designated as both medically underserved areas and health professions shortage areas, key components in offering diverse, community-based experiences to our students and in our institutional mission to serve the entire state of South Carolina.

Dr. Stoney Abercrombie, MUSC College of Medicine Class of 1976 alumnus, and past president of the MUSC Alumni Association, has been appointed as the MUSC-AnMed Health Clinical Campus Dean. Dr. Abercrombie recently shared his excitement about the potential of this program, commenting, “Educating medical students in this part of the state provides an incredible opportunity for students to acquire valuable experience in primary care, population health, public health, and service-learning.”

In the fall, students participated in the Hispanic Health Fair and assisted in identifying untreated patients who were then connected with local resources for follow-up care. Students are also engaged in a longitudinal third-year continuity clinic at the Anderson Free Clinic.

AnMed Health administration and faculty have worked closely with MUSC to expand their medical education program for the MUSC students. The AnMed Family Medicine Residency Program, founded in 1975, has provided MUSC students with community-based family medicine rotations and elective rotations for over 40 years. During the past decade, AnMed Health created new offerings which included elective rotations in hospice and palliative care, global health, rural primary care, obstetrics and gynecology, and sports medicine, in addition to advanced rotations known as acting internships.

Dr. Abercrombie’s team will include an Assistant Dean for Student Affairs, Student Wellness Program Director, and a Campus Administrator for the MUSC-AnMed campus. Faculty members at the campus are integrated into the MUSC medical school education governance structure and the MUSC medical school departments.

Dr. Donna Kern, Senior Associate Dean for Medical Education in the College of Medicine shared, “MUSC students have always expressed a high degree of satisfaction with the teaching, the learning environment, and the resources provided at AnMed Health. We are very happy to be taking this next step in the evolution of this program.”

The health system includes AnMed Health Medical Center, an acute care hospital which has earned the prestigious Magnet® designation. The health system’s major service lines include Heart and Vascular Care, Women’s Care, Children’s Care, Cancer Care and Surgery. The latest U.S. News and World Report listed AnMed Health among the best hospitals in the state of South Carolina, second only to MUSC out of nearly 100 hospitals. For several years Health Grades has ranked AnMed Health among the top 50 hospitals in the nation in patient safety and clinical effectiveness as well.

Dr. Raymond DuBois, Dean of the College of Medicine at MUSC, expressed enthusiasm about the collaboration, commenting, “With dedicated, enthusiastic faculty, a strong patient census and abundant clinical resources, the new clinical campus provides excellent, community-based clinical education for our students.”

To find out more about the Family Medicine Residency Program at AnMed Health, visit http://anmedhealth.org/Careers/Medical-Education/Family-Medicine-Residency-Program.
Representatives with Tidelands Health and the Medical University of South Carolina held a groundbreaking ceremony November 14 for a new, $11-million building to house the Tidelands Health MUSC Family Medicine Residency Program.

Tidelands Health is located on the Atlantic coast and serves residents in Georgetown, Horry and Williamsburg counties - from Georgetown, South Carolina, to the popular travel destination of Myrtle Beach. According to the U.S. Census Bureau, this is the second-fastest growing market in the country. Tidelands and MUSC Health leadership recognizes the imperative for health care delivery keep up with our growth, and training family medicine residents is integral to meeting the need.

Speakers for the groundbreaking ceremony Nov. 14 included Dr. Patrick Cawley, CEO of MUSC Health and vice president for health affairs for MUSC; Dr. Terrence Steyer, chairman of MUSC Department of Family Medicine, and director of the new residency program; and H. McRoy Skipper Jr., CPA and chairman of the Tidelands Health board of trustees.

Skipper said this change represents Tideland Health’s standing commitment to bring health care to the people of the Tidelands region.

He said the new Family Medicine Residency Program will “increase care, bring new doctors to the region and expand access to care to people across the community of all ages.”

Cawley and Steyer, both representing MUSC, agreed.

“Medical education is changing and changing fast,” Cawley said. “What we are able to do in the community and how we can teach in the community is going to change this community and change the doctors who train here.”

The program will provide three years of hands-on training in family medicine for doctors who have graduated with their medical degrees. It was created to help attract new doctors to the area because physicians tend to remain in the communities where they complete their residency.

The goal of the program is to attract new family physicians to the region and to improve patient care by providing participating graduates with comprehensive, industry-leading training.

The program aims to help ensure the availability of quality medical care for the region’s growing population.

With the advent of the patient-centered medical home, primary care physicians (PCPs) are assuming the role of the patient’s primary advocate and guide to the health care system. Unfortunately, PCPs are in short supply. South Carolina will need 835 more PCPs by 2020, according to estimates by the Robert Graham Center in Washington, D.C. Two recent joint educational initiatives by MUSC and its affiliates aim to attract PCPs to rural South Carolina, offering them the prestige of an appointment at an academic medical center and the clinical opportunity of a community-based practice.

The Tidelands Health MUSC Family Medicine Residency Program, accredited in October of 2016, offers residents just such a hybrid experience. Residents will rotate to MUSC for subspecialty training such as pediatrics and electives but will reside in the Murrell’s Inlet area and practice at the new family medicine center being built by Tidelands in Horry County. The first class of eight residents will begin in July 2017.

Placing a residency program in a health professional shortage area is a first step toward meeting the growing demand for primary care. “Most residents stay within 60 miles of where they train,” said Terrence Steyer, M.D., chair of the Department of Family Medicine at MUSC and one of the architects of the program. “One way to begin to address shortages is to train people in rural areas.”
The program, which includes faculty from both MUSC and Tidelands Health, provides residents the leadership skills they will need to run a successful practice in today's health care environment. For example, all residents will be required to earn at least a green belt in Lean/Six Sigma, a methodology for driving the waste out of care while maintaining quality.

“Our state needs well-trained PCPs who are equipped to manage the stresses of delivering primary care, and we need to place them in rural health care shortage areas,” said Steyer. “This program combines all the things I believe in to make South Carolina a healthier place to live.”

Steyer said he is fortunate to lead a team that has allowed the residency team to be where it is today, ready to break ground on a world-class family medicine education facility.

“After much research and many thoughtful conversations with new physicians on topics ranging from burn out and the desire to rediscover the joy of practicing medicine, to the need to become better leaders for the emerging health care system, we identified four elements that would make potential residents want to come here and join us,” Steyer said. “The result is this - in addition to receiving broad-based training in family medicine, residents will be prepared to be leaders among their peers and in their communities, to be decision-makers.”

**ALUMNI OPPORTUNITIES**

**MUSC JOBS**

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 ground breaking research, state of the art patient care facilities and education that only an academic medical center can provide. Below are a 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!

**MUSC News**

**NEWS CENTER HEADLINES**

**SKULL SURGERY FOLLOW UP**

Toddler charms doctors who treated birth defect
Rhett Bausmith's parents want other moms and dads to learn from their experience with early intervention, including 3-D skulls and bio-printing.

To continue reading, visit the MUSC News Center at http://musc.edu/pr/newscenter/.

**MAINE CONNECTION**

Team braves sub-zero temperatures for good cause
New England Tech Air brought six trainees to Maine from Charleston to polish skills needed for HVAC work in new children's hospital at MUSC.

To continue reading, visit the MUSC News Center at http://musc.edu/pr/newscenter/.

**CARPAL TUNNEL CARE**

Specialist helps restaurant owner regain mojo
Martha Lou Gadsden suffered from a common chef's malady: arm and hand pain. Dr. Kyle Kokko had the recipe she needed for relief.

To continue reading, visit the MUSC News Center at http://musc.edu/pr/newscenter/.
COLLEGE OF MEDICINE NEWS

Forty-Six Years of the MUSC Postgraduate Course in Surgery
David B. Adams, M.D., FACS

“This is the best surgery postgraduate course in the country,” is what the legendary Hiram Polk said after teaching at the course a decade ago. Dr. Polk served as Chairman at the Department of Surgery in Louisville for three decades, was president of every surgical society in the U.S.A., and travelled the country and knew of what he spoke. At the time, there were many PG courses throughout the country, but they gradually disappeared as the surgical landscape changed with surgical specialization and less time for surgeons to travel away from their busy practices.

The MUSC course started during the chairmanship of Curtis P. Artz, M.D. forty-six years ago. Dr. Artz was a charismatic figure in American Surgery, energetic at times to frenzy, but always capable of attracting the top talent in American Surgery to Charleston and hosting a lively educational and social event.

We keep this formula in mind when we invite outstanding national speakers to Charleston and extend to them the best of Charleston hospitality. What really makes the event work is that all the faculty are great academic surgeons, great clinical surgeons, and nice people who love meeting and listening to the participants who are busy and smart general surgeons serving their communities with the epitome of the service ethic of the surgical profession. Surgeons come to the course from all over the continental United States, and occasionally from Hawaii, Alaska, Canada, and once even from Dubai.

When Dr. Marion Anderson was named Chairman, Tommy Fitts, M.D. ran the course, later with the assistance of Bruce Elliott, M.D. Over time Bruce and I ran the course, and then as surgery became more
specialized and vascular surgery became its own specialty, I ran the course with Drs. Megan Baker and Jon vanHeerden. We honored Dr. vanHeerden’s contribution to the course and to MUSC surgical education with the annual vanHeerden Lecture, which kicks off the course. Mike Sarr, Nancy Perrier, David Farley, Peter Marcello, and I have given the lecture.

The stature and strength of our own talented faculty sustain the program. We continue to be impressed by the interest in education and the devotion to patient care that the general surgeons who attend the course represent. At the same time, the course has become an important meeting place for the residents we have trained who come in increasing numbers to get educated and join in the annual Curtis P. Artz MUSC Surgical Society Distinguished Alumnus Dinner, where we honor the MUSC Department of Surgery Alumnus of the Year, an award named in honor of Dr. Biemann Othersen.

I remember when the hospitality of the course featured much late night drinking and dancing on King Street. I was younger then and no longer am so hospitable. But I believe firmly that the future lies in the youth of America and that American Surgery is in good hands with a new generation of surgeons.

Accordingly we are making plans to transition the leadership of this course into new, young, and talented hands who know the hot spots on King Street. In 2018, the course will be directed by Mark Lockett, M.D., Chief of Surgery at the VAMC, Katy Morgan, M.D., Chief of GI Surgery, and Stephen Fann, M.D., Associate Professor of Surgery.

There are many reasons which continue to make the course strong and an important part of the MUSC Department of Surgery.

The number one feature that ensures that this course is an important part of the education of general surgeons across the country and of our own MUSC surgeons is the people.

Those who become doctors like humans and enjoy the camaraderie and the chance to talk with other members of the profession. These persons like to come to the postgraduate course and meet our faculty and the famous U.S. surgeons who come year after year. They like the chance to discuss surgical problems they have in their daily work with others who have the same challenges. There will be times when courses like this fall out of favor. But to those who love the challenge and the drama of the surgical profession, the MUSC PG course will never be out of favor, and will keep it moving for another half century.

When I see my friends and colleagues at the big meetings, they frequently ask, “Are you still doing that PG course? That was the best course ever.” I answer affirmatively and know that the hospitality and education that this course gives to general surgeons across the U.S. will doubtlessly continue.

MUSC recruits renowned cancer researcher to direct Hollings Cancer Center

The Medical University of South Carolina named Gustavo Leone, Ph.D., as the new director of the Hollings Cancer Center.

His appointment to South Carolina’s only National Cancer Institute-designated (NCI) center begins March 1. In addition to his strong leadership background, Leone is a preeminent cancer research expert with a longstanding record of pursuing innovative and interdisciplinary approaches to cancer research while mentoring and supporting the next generation of cancer researchers.

“We are pleased to have recruited a leader and cancer researcher of Dr. Leone’s stature to guide the Hollings Cancer Center in this next phase of its growth,” said Lisa K. Saladin, Ph.D., MUSC interim provost. “He brings to MUSC the knowledge and experience to build on Hollings’ past
Leone will continue to pursue his research interests, which include studying the causes of uncontrolled cell growth in cancer.

Leone said he is excited about the many strengths and areas of great potential at the Hollings Cancer Center and MUSC. “I look forward to working with the faculty and staff to do all that we can to make a difference for cancer patients in South Carolina and to expand cutting-edge research in ways that will reduce the burden of cancer in South Carolina and beyond.” Leone earned his doctoral degree from the University of Calgary and completed a postdoctoral fellowship at Duke University in 1998 before joining The Ohio State University as an assistant professor at the NCI-designated James Comprehensive Cancer Center. Leone advanced to full professor in molecular genetics in 2011 and held the Klotz Chair in Cancer Research. In his leadership positions as director of the Solid Tumor Biology Program and associate director for basic research, he was instrumental in the rise of the James Comprehensive Cancer Center to the top tier of all cancer centers. Leone also expanded mentoring, recruitment and collaborative research efforts as a founding member of the Pelotonia Fellowship Program in Cancer Research, with specific goals to train basic and translational researchers across the cancer continuum.

Raymond N. DuBois, M.D., Ph.D., dean of the MUSC College of Medicine and past president of the American Association for Cancer Research, said, “Dr. Leone is an outstanding leader and cancer researcher who will surely elevate the Hollings Cancer Center to new heights.”

DuBois, an active researcher and leader at three NCI-designated cancer centers prior to joining MUSC, added, “I look forward to working with Dr. Leone to further strengthen the Hollings Cancer Center, including the recruitment of additional cancer investigators to further accelerate the strong positive trajectory of the center.”

Leone will continue to conduct laboratory and translational research at MUSC, focusing on identifying how disruption of critical cell cycle regulatory pathways contributes to uncontrolled cell growth, a hallmark of cancer. Currently his laboratory group focuses on studying how genes outside the tumor cell affect the community of cells around a cancer cell, a research area that may reveal new cancer treatment strategies. He has authored more than 120 peer-reviewed publications and has received numerous recognitions for his contributions to cancer research. Mentoring the next generation of cancer researchers is a passion for Leone, who has an impressive track record of successful mentorship that includes not only numerous faculty but also hundreds of trainees ranging from college undergraduates to postdoctoral fellows.
Dr. Silvestri Named President of CHEST

The American College of Chest Physicians (CHEST) named Dr. Gerard A. Silvestri its new president November at CHEST 2016, the annual meeting of the American College of Chest Physicians.

Gerard A. Silvestri, M.D., MS, FCCP, is an international expert in lung cancer and interventional pulmonology. He completed his training in Pulmonary and Critical Care at Dartmouth and has served on the faculty at MUSC for 23 years. He is the George Sr. and Margaret Hillenbrand Professor of Thoracic Oncology and Vice-Chair of Medicine for Faculty Development at MUSC. Dr. Silvestri’s research includes screening for lung cancer, how patients should be diagnosed and staged with the disease and how to evaluate new technologies needed to diagnose and treat these patients. He is a writer and editor of the American College of Chest Physicians lung cancer guidelines. Dr. Silvestri is past president of the American Association of Bronchology and Interventional Pulmonology, and he has authored more than 200 scientific articles, book chapters and editorials.

CHEST serves as an essential connection to clinical knowledge and resources for its 19,000 members from around the world who provide patient care in pulmonary, critical care and sleep medicine. Congratulations to Dr. Silvestri.

The pace of research funding and discoveries in the MUSC College of Medicine continued to accelerate in 2016. In an intensely competitive environment, the College of Medicine (COM) increased annual NIH research funding by 22 percent, for a total of $96,558,858 in 2016. Looking at NIH data for FFY (Federal Fiscal Year)’16, the COM now ranks 42nd among U.S. medical schools, jumping five places and positioning MUSC above medical schools at Vanderbilt University, Wake Forest, and the University of Florida.

“The dramatic growth represents the accomplishments of many people in the College of Medicine, and results from our efforts over several years to grow research in a strategic, team-based manner,” said Craig Crosson, Ph.D., Senior Associate Dean for Research in the COM. “Working together, our researchers are making an impact and addressing the major diseases that affect the citizens of South Carolina, across the country and around the globe.”

Of particular note are several individual departments who showed exceptional results in attaining funding:

- The Department of Psychiatry & Behavioral Sciences increased funding by 27 percent, resulting in $28 million in funding, placing them 8th nationally.
- The Department of Biochemistry and Molecular Biology increased funding by 63 percent and moved up from 38th to 27th nationally with over $7 million in funding.
- The Department of Public Health Sciences more than tripled funding, rising to 19th in the country with almost $5.9 million in research funding.
- The Department of Neurosciences continued their top ten national ranking with over $12 million in funding.
- The Department of Otolaryngology-Head and Neck Surgery also repeated in the top ten, moving up to 8th nationally with almost $4 million in funding.
- The Department of Microbiology & Immunology increased funding by 47 percent, for a total of $8.67 million.
- The Department of Medicine is the second highest funded department in the College of Medicine, with $16 million in funding.

Crosson reiterated that these results are validation of the hard work that occurs every day at MUSC, noting the College of Medicine is leading the way as everyone at MUSC seeks to advance scientific discoveries and knowledge through the Imagine MUSC 2020 strategic plan.

Dr. Chris Pelic named Clinical Director of Medical Education for U.S. Department of Veterans Affairs

Congratulations to Dr. Chris Pelic, an Associate Professor in our Department of Psychiatry and Behavioral Sciences, who was recently selected for the position of Clinical Director of Medical and Dental Education for the U.S. Department of Veterans Affairs Central Office, Washington, D.C. In this new role, Dr. Pelic will help oversee the operational components of undergraduate and graduate medical education within the VA hospital system nationwide.

Dr. Pelic will remain stationed in Charleston, with travel to Washington as needed, and will continue performing clinical work at the Ralph H. Johnson VAMC in psychiatry and will continue as a teacher and Clerkship Director in the third year medical student psychiatry clerkship at MUSC for the Department of Psychiatry and Behavioral Sciences. Dr. Pelic has previously held other administrative roles at the VA and MUSC including the Associate Chief of Staff for Education (RHJVAMC), Vice Chair of Education in the Department of Psychiatry and Behavioral Sciences (MUSC), Associate Dean for Student Affairs and Career Planning (MUSC), and Residency Training Director for the Combined Neurology/Psychiatry Training Program.

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