



Mayo School of Health Sciences

Connections

A publication for alumni, students and faculty of the Mayo School of Health Sciences

FALL | 2015

OUTSTANDING ALUMNUS TROY STONEBERG

Devoted to country,
community, patients

PAGE 2



What can the MSHS Alumni Association do for you?



Share your ideas for the Alumni Association

Fill out the short survey inserted in this issue of *Connections* or fill out the survey at <https://mshsalumni.mayo.edu>. We want to know how the Alumni Association can serve you better.

The Mayo School of Health Sciences (MSHS) Alumni Association isn't your typical alumni association. That's because MSHS is not a typical school. Both those descriptors are positives. The Alumni Association doesn't exist as a means to raise money — as do many alumni associations. We don't even charge dues.

Our graduates are wonderfully, professionally diverse, representing more than 130 programs. That diversity ranges from graduates who earn doctorate degrees over three years to others who complete their programs here after three-month rotations.

That broad range makes finding the mission of MSHS Alumni Association challenging. This year, the primary goal for the new Board of Directors is to determine and implement ways the Alumni Association can better serve its alumni and MSHS students. Ideas range from matching alumni to students in a mentorship program to new education and events for alumni on Arizona, Florida and Rochester campuses.

We'd like to hear your ideas. What could the MSHS Alumni Association do for you:

- To advance your career?
- To provide new opportunities?
- To further your connection to other alumni or Mayo Clinic?

There are several ways to provide feedback. Fill out the survey inserted in this issue of *Connections*. Board members are calling alumni for an informal survey on how the Alumni Association can better serve you. Please take a few minutes to answer their questions and share your ideas. Or, feel free to email me your thoughts.

Regards,

A handwritten signature in black ink that reads "Randy Roesch". The signature is fluid and cursive.

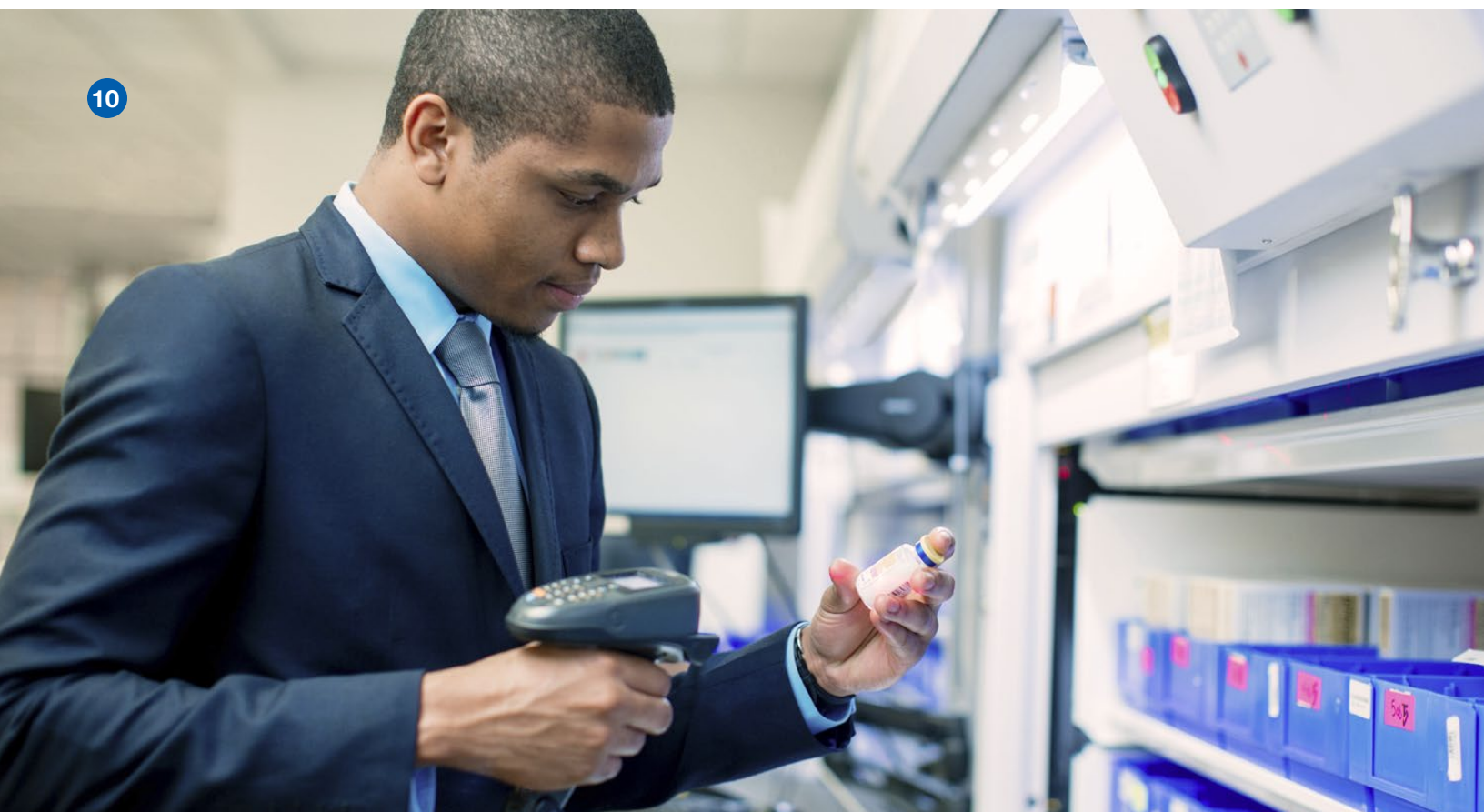
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Mayo School of Health Sciences

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Devoted to country, community and patients



The Mayo School of Health Sciences Alumni Association recognition of Outstanding Contributions honors alumni whose contributions are exceptional in clinical care, research, mentoring and education or humanitarian endeavors.

The 2015 recipient is Troy Stoneberg, PA-C, Physician Assistant Program, 2003, who specializes in hand and upper extremity surgery in the Orthopedic Center at Mayo Clinic Health System in Eau Claire, Wisconsin.

Troy Stoneberg, PA-C, was shocked to learn he'd been named the 2015 outstanding alumni winner.

"I didn't even know I was being considered," says Stoneberg, a physician assistant (PA) in the Orthopedic Center at Mayo Clinic Health System in Eau Claire. "It felt amazing and humbling not only to be chosen, but to have colleagues who felt I was worthy of it."

But, to the colleagues who nominated Stoneberg, the selection came as no surprise.

"Troy is a very special person and PA extraordinaire," says one of those colleagues, Jose Ortiz, Jr., MD, an orthopedic surgeon. "He's well known for his diagnostic acumen and calm bedside demeanor. I'd gladly have him treat any of my family members, and have. My practice wouldn't be the same without him."

Stoneberg, an Eau Claire native, often provides care to former classmates, favorite teachers and friends of his parents.

"It's great," he says of seeing so many familiar faces. "It's one of the things I love about working here."

Path to PA

Before re-establishing his hometown roots, Stoneberg spent eight years in the U.S. Army, working as a linguist in the 10th Mountain Division in Fort Drum, New York. He became an emergency medical technician during this time.

"My friends were volunteering for an ambulance squad, and I thought it seemed like a good thing to do," says Stoneberg.

His EMT training piqued his interest in health care. After completing his commitment to the Army in 1997, he decided to become a physician assistant.

“I wanted to do more than I was able to as an EMT,” he says. “I’d been a patient of PAs throughout my Army career. The PA route seemed like a good choice.”

He applied to just two schools and was accepted to both. “I was more naive than cocky,” he says, noting that he didn’t realize until later how competitive the process was.

“I looked at the meat of both programs, and Mayo’s seemed higher quality, especially the clinical portion,” says Stoneberg, who enrolled in MSHS. “I’d been working as an EMT at Gold Cross and had been to Mayo Clinic many times with patients. I was always impressed.”

Choosing a specialty

As his clinical rotations approached, there was one area Stoneberg was worried about: surgery.

“I wasn’t sure how I’d do,” he says. He did very well, and, by the time he finished the program, had decided that he wanted to work in surgery. After graduation, he was hired as Eau Claire’s first physician assistant in orthopedics. He describes his role as “the surgeon’s third and fourth hands, and second set of eyes.” He also provides care for nonsurgical orthopedic patients in the clinic.

Stoneberg has worked with the same surgeon — Dr. Ortiz — for the past decade.

“We have a history,” he says. “We can look back on past cases and discuss what worked well, or what we might do differently. It’s a nice partnership.”

That partnership extends beyond patient care. Stoneberg and Dr. Ortiz also worked together to develop a job shadowing program for high school students.

“A lot of kids don’t have the opportunity to gain exposure to a field like ours,” says Stoneberg. “I wanted to help provide an outlet



Troy Stoneberg retired from the military in 2011, with more than 20 years combined active duty and reserve time. He’s shown here during training at the National Training Center Fort Irwin, California, in 2004.

for students to truly observe what happens one on one with patients.”

Stoneberg also welcomes future PA students from the University of Wisconsin-Eau Claire to spend time with him in the clinic and operating room. He says it’s a way to pay it forward for the support he’s received throughout his own career.

“Looking back, you can think of a couple of people who helped you not just because it was their job, but because they wanted you to do well, and they wanted to help you out,” he says. “I want to do that for people — to give someone those eye-opening experiences that could help them find out what they’re interested in.”

As a PA student, Ashley Mroczenski, PA-C, benefitted from Stoneberg’s guidance.

“Troy provided me with insight into working in the operating room, building a practice, interacting with colleagues and providing compassionate patient care,” says Mroczenski, who now works with Stoneberg at Mayo Clinic Health System and was one of the people who nominated him for the alumni award. “He continues to be my primary mentor and has been instrumental in my own success as a PA.”


Giving back

In addition to his professional commitments, Stoneberg serves as a deputy chief for the all-volunteer Altoona, Wisconsin, Fire Department.

“Volunteering was a way to reintegrate into the community and get back into emergency services when I moved back from New York,” says Stoneberg. He also served in the Wisconsin Army National Guard for 12 years, retiring in 2011. In the reserves, he completed two tours of duty in Iraq and calls the experiences “eye-opening.”


“It gives you a whole new view of the world,” he says. “We cared for service members, but also local nationals. And, you find out that they want what we want. They want to raise their crops and raise their families.”

Dr. Ortiz says he admires Stoneberg’s devotion to his country, community and patients. It’s one of the main reasons he nominated Stoneberg for the outstanding alumni award.

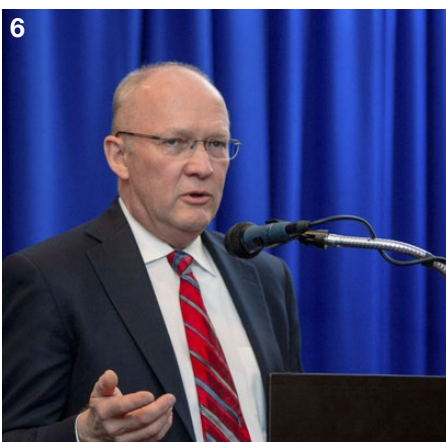
“He’s never failed to impress me with his commitment,” says Dr. Ortiz. “He’s an extraordinary individual. I’m twice blessed that not only do I have the privilege of knowing him, but I also get to work with him almost every day.” 

Snapshots from the annual meeting

Alumni reconnected with classmates and colleagues at the Mayo School of Health Sciences Alumni Association Annual Meeting.

1. More than 200 alumni and guests attended the meeting on April 25 in Rochester. This annual event is free for alumni.
2. Kathleen Sagdalen and Julia Vuong are graduates of the Medical Laboratory Science Program.
3. Troy Stoneberg, recipient of the MSHS Alumni Association Recognition of Outstanding Contributions Award, had a cheering section from Mayo Clinic Health System in Eau Claire for the awards presentation. Pictured are Troy Stoneberg and his wife, Melissa, Jose Ortiz, Jr., MD, and his wife, Zaida, and MSHS Alumni Association Board Member Ashley Mroczenski. Stoneberg has worked with Dr. Ortiz in orthopedics for 10 years, and he's a mentor to Mroczenski.
4. New Alumni Association President Randy Roesch presents the Recognition of Outstanding Contributions Award to Troy Stoneberg.
5. Susan Veleber, Molly Mallory and Liza Dion provide acupuncture for Mayo Clinic patients. Mallory and Dion are graduates of the MSHS Mind Body Medicine course.
6. Keynote speaker Larry Bergstrom, MD, founder of the Integrative Medicine Clinic and Program at Mayo Clinic in Arizona, talked about his experiences providing holistic care.
7. JoAnn Drake graduated from the Physical Therapy Program in 1986 and is a member of the Edith Graham Mayo Society, which recognizes alumni who have donated \$1,000 or more to advance Mayo Clinic's mission. 





SAVE THE DATE!

MSHS Alumni
Association
Annual Meeting

April 15, 2016



Operation Career Change

Eric Lee provided mortar fire to support ground troops in Iraq and Kuwait. Justin Hubble flew a Boeing KC-135 Stratotanker for midair refueling of military planes.

After active duty in the U.S. armed forces, both men decided to work in health care. They came to Mayo School of Health Sciences (MSHS) to prepare for their chosen careers.

Lee and Hubble learned and developed qualities that are common in the military. MSHS values many of those same traits, because they also contribute to the best possible patient care.

"The faculty and administration of the school value our veterans, not only for their service to our country, but also for the life skills they bring to our learning community and ultimately, to the way we care for our patients," says Troy Tynsky, MSHS administrator.

★ **Goal oriented.** Lee enlisted in the U.S. Army while still in high school. One year later, he was an artillery specialist headed to Iraq in the wake of the terrorist attacks of Sept. 11. After 3½ years in uniform, he says he was more organized and task-oriented.

"The military gave me a picture of what I didn't want to do with my life," Lee says. "It definitely helped with my motivation toward school and buckling down."

He went to college and earned a nursing degree in 2009. After working at hospitals in Texas and Wisconsin, he joined the cardiac surgery intensive care unit at Mayo Clinic in 2011. In the fall of 2014, he took an educational leave to enroll in the first doctorate class of the Nurse Anesthesia Program at MSHS.

"I knew early on that's what I wanted to do," he says.

★ **Service minded.** Hubble dreamed of becoming a U.S. Air Force pilot, so he joined the U.S. Air Force Reserve Officer Training Corps in college. Graduation in 1998 brought active duty and pilot training, which meant he owed the U.S. Air Force eight years. Serving his country was "kind of a higher calling," so he stayed 10, advancing to major and most often flying a KC-135, the military version of a Boeing 707, to support missions on 16 deployments to the Middle East and around the globe.

"It was rewarding," recalls Hubble. "I had the opportunity to



▲ *Justin Hubble was drawn to physical therapy, in part, because of the satisfaction that comes from providing service to patients.*

◀ *Captain Justin Hubble, left, and a colleague from the 96th Airlift Squadron (Flying Vikings), Minneapolis-St. Paul, and their C-130 Hercules deployed to Southwest Asia in 2012.*
U.S. Air Force Photo

give without expecting anything in return and to help other people."

In civilian life, he says he "lost that service aspect" in six years as an airline pilot. Now Hubble is back in school to become a physical therapist.

"I've always been fascinated by the human body and how it works mechanically," says Hubble, who needed physical therapy as an athlete in high school and college. "I like the service aspect of helping people."

★ **Maturity.** Hubble was one of more than 600 applicants to the Physical Therapy Program and one of 128 invited to interview. Being able to talk about mechanical engineering, ROTC, flying a variety of aircraft, leading a crew and raising a family helped him earn selection to the class of 28 students.

In school, maturity helped Hubble recognize the wisdom of getting a tutor for a class in neuroscience.

“I was more willing to accept help when I could admit that I needed it,” he explains.

★ **Comfort with diversity.** The military is a remarkably diverse collection of people often working in foreign countries with their own assortment of cultures, languages and religions.

“People are people, regardless of race, color, creed and religion,” Hubble says. “The military gave me a little more tolerance. It prepared me for clinical practice with all kinds of patients with different backgrounds and different problems.”

★ **Poise.** Lee says he gained perspective from combat, because it clarifies what is truly important. He wants to be a nurse anesthetist, because he likes the operating room environment and physiology of how medications interact in the human body. Lee says it is a stressful occupation made for people who “take the job seriously, but not themselves” and who know their top priority. “I’m very focused on the patient.” 🗣️



Justin Hubble

Age ★ 40

Family ★ Married with three children, ages 9, 5 and 1

Hometown ★ The Dalles, Oregon

MSHS Program ★ Physical Therapy, scheduled to graduate in May 2017

Military Experience ★ Major and pilot, U.S. Air Force, 1998-2008. Currently in Air Force Reserve.

College ★ Bachelor’s in business management with emphasis in mechanical engineering from University of Portland (Oregon) and Air Force ROTC in 1998

Eric Lee, RN, CCRN

Age ★ 33

Family ★ Married with two children, ages 3 and 5

Hometown ★ Appleton, Wisconsin

MSHS Program ★ Nurse Anesthesia, scheduled to graduate in January 2018

Military Experience ★ Specialist in artillery, U.S. Army, 2000-03

College ★ Bachelor’s in nursing from Marian University, Fond du Lac, Wisconsin, 2009



Mayo Clinic Resources for Veterans

Veterans Mayo Employee Resource Group (MERG) advocates for the needs of current Mayo military members and their families. Students are welcome to participate. Contact: veterans@mayo.edu

Mayo Military Education Committee, formed in 2014, coordinates military-related medical education for both Mayo Clinic and the military’s medical corps.

Military Veteran Resources Toolkit is an online clearinghouse for information on benefits and services available through Mayo Clinic and other organizations. Mayo Clinic Human Resources collaborated with the Veterans MERG to develop this “one-stop shop” for employees, supervisors and family members.



▲ Eric Lee, center, in Iraq in 2003.

◀ Eric Lee is part of the first doctorate class of Nurse Anesthesia Program. He'll graduate in 2018. He is shown here in a simulation setting.



Becoming a professional

Administrative Internship Program offers a solid start for burgeoning health care careers

Ryan Rhoden had to do an internship as part of his coursework for health administration at the University of North Florida. But, his participation in the Administrative Internship Program through Mayo School of Health Sciences (MSHS) in Florida, helped him do much more than just check off a graduation requirement. It launched his career in health care.

An administrative intern from January through April 2015, Rhoden was hired on full-time at Mayo Clinic in May as a patient scheduler in Neurology.

“During my internship, I found that I really loved the whole Mayo culture,” says Rhoden. “I felt comfortable here, and I appreciated

the atmosphere of continuous learning. It seemed to be a perfect fit for me.”

That’s exactly what David Ausejo likes to hear. Ausejo, an education program coordinator in Medical Education, took over as director of the Administrative Internship when it moved from Human Resources to MSHS in 2014. Interns are enrolled in a bachelor’s or master’s degree program in business or health care administration at one of four Florida colleges. Most are just beginning their careers.

“I enjoy seeing the lifecycle of someone who was an intern moving into becoming an employee,” says Ausejo. “During an internship, they get to experience Mayo Clinic from

the inside and see if it’s a place they might like to stay. For us, it can serve as a three- to four-month interview to determine if that individual might be a good candidate for employment.” Graduating interns have been hired by Mayo Clinic for entry or mid-level roles such as appointment scheduler, financial representative, revenue analyst or education coordinator.

Gaining real experience

The administrative interns are assigned to a department and work with a preceptor — usually a manager or supervisor — to focus on at least one large project during their tenure. A variety of areas regularly request administrative interns, including Clinical Operations,

Shantel Williams and Ryan Rhoden are graduates of the Administrative Internship Program. David Ausejo, right, directs the program, which is offered on Mayo Clinic's Florida campus.

Medical Education, Research Administration, Simulation Center and Volunteer Services.

Rhoden, who worked in three areas during his internship, appreciated the responsibility his preceptors entrusted to him.

"When I talked to my friends who were doing internships in other organizations, many of them spent a lot of time shadowing people and observing what they did," he says. "In this program, I had the opportunity to dig into the work hands on. I feel I learned more that way, because I had to do the work and take some ownership over it, rather than just watch."

Emphasizing education

The program goes beyond work experience, though. Since the Administrative Internship transitioned to MSHS, the program has evolved to include additional components that give students the chance to learn more about health care administration overall.

"We're infusing more education aspects into the program now to

make it more well-rounded," says Ausejo. "For example, we added a weekly lecture series that includes a variety of speakers from different departments around the organization to talk about what they do and how their areas work."

To further explore the organization, interns also can take advantage of the other educational opportunities offered throughout Mayo Clinic.

"If we had any downtime, our preceptors encouraged us to go to meetings that interested us, to attend grand rounds, to talk with staff members in areas we wanted to learn more about," says Rhoden. "We could see the different departments, learn what they did and really discover what health care careers have to offer."

Fostering professionalism

In addition to becoming more familiar with health care administration, interns often come away with a greater understanding of what it means to work in a professional administrative environment. Shantel Williams, also an education program coordinator in Florida, was an administrative intern in 2009. When she looks back on what she gained from that experience, she clearly recalls what she valued most.

"I had other corporate jobs before I became an intern here," says Williams. "Mayo Clinic was different, because during

my internship I was taught the basics of professionalism. I was shown how to communicate and present myself professionally in a work environment. I didn't get that anywhere else, and it was so valuable. That experience gave me the foundation I needed to become a successful employee."

Rhoden found the same to be true during his internship. "Coming straight from college, I wanted to know more about what it is to be a professional and how to use those skills in specific applications," he says. "This internship offered a number of resources focused on those skills. That was a huge plus."

Before they complete their internship, students are given an opportunity to display their newfound knowledge, skills and professionalism. As their time at Mayo Clinic comes to a close, each administrative intern is required to create and present a final summary of his or her projects. All Florida administrators are invited to attend.

"Those presentations are good exposure for the program, as well as excellent experience for the students," says Ausejo. "For many, it's a little scary to present to all those administrators. But, doing it helps to build confidence and gives them a chance to see how far they've come and how much they've learned." 🗣️

“In this program, I had the opportunity to dig into the work hands on. I feel I learned more that way, because I had to do the work and take some ownership over it, rather than just watch.” – RYAN RHODEN



Practice needs drive emerging allied health careers

Mayo School of Health Sciences is a pipeline for the workforce of the future

When there's a new need for allied health professionals due to practice or technology changes, clinical departments look to MSHS for solutions, explains Troy Tynsky, MSHS administrator.

"MSHS is very agile," he says. "We can start up a program in only a few months when a need is identified."

Brent Bultema, Human Resources at Mayo Clinic, says the pace of change in health care careers has escalated over the past several years

due to changing care delivery models, health care legislation, increased competition for talent, new technology and changing demographics.

"An advantage of working at Mayo Clinic is that the culture is focused on continuous learning and skills improvement," says Bultema. "There is no shortage of opportunities to advance your skills at Mayo and stay on the cutting edge."

Connections looks at several emerging career areas.

Samuel Ubanyionwu is the first resident in MSHS's one-year Pharmacy Informatics Residency Program.

Pharmacy informaticist

Samuel Ubanyionwu, PharmD

- MSHS, Pharmacy Informatics resident (current)
- Harris Health System, Houston, Pharmacy Residency
- Texas Southern University, College of Pharmacy and Health Sciences, Houston, doctor of pharmacy degree
- Texas Southern University, bachelor's degree, chemistry

Samuel Ubanyionwu is the first resident in MSHS's one-year Pharmacy Informatics Residency Program — one of about 21 such residency programs in the U.S. The residency started in July.

Pharmacy informatics focuses on using technology to improve patient health outcomes in all areas of medication use, from ensuring medication orders and prescriptions are written appropriately to the proper administration of the medications to patients. It also includes reducing cost and increasing efficiency in medication acquisition, storage and dispensing processes.

"We want to make sure technology helps us be efficient and improve patient care," he says. "In the past, many informaticists were trained on the job. Now, we have formal training programs."

Ubanyionwu chose this field due to a family crisis. His grandmother, who lived in Nigeria, received the wrong intravenous medication and died. "I wanted to be a person in my family who could answer questions about medications, so I pursued pharmacy,"

he says. "I learned about informatics in pharmacy school and wanted to be part of the change that implements technologies for patient safety,"

Medical informatics is a growing area. Two years ago, the American Medical Association recognized it as a medical specialty, and physicians can become board certified.

Stem cell transplant social worker

Brady Voigt, MSW, LGSW

- MSHS, Social Work Internship
- University of St. Thomas/ St. Catherine University, St. Paul, Minnesota, master's degree, social work
- University of Wisconsin—River Falls, bachelor's degree, agriculture economics

Brady Voigt completed a nine-month clinical oncology social work internship at MSHS and now works in the Blood and Marrow Transplant (BMT) Program on Mayo Clinic's Rochester campus. He counsels adult patients who have been diagnosed with cancer and are considering a stem cell transplant.



Brady Voigt, social worker, counsels patients considering a stem cell transplant.



Genetic counselor Brooke McLaughlin interprets genetic information for patients and assesses their risk for genetic predisposition for diseases.

"Often when a patient sees me for the first time, they've just learned that transplant is an option for their disease," he says. "I talk to them about their concerns and connect them with resources, such as lodging, medications, insurance and assistance programs. I conduct a pre-transplant psychosocial assessment and provide supportive counseling throughout transplant, including adjusting to illness and managing stress and anxiety."

Social work in stem cell transplant requires working with patients who are acutely ill, being comfortable with dying and grief, an ability to address anxiety and stress, openness and curiosity. "For me, this work has a spiritual element in terms of finding meaning and purpose in life. I feel like I can really help people."

Genetic counselor

Brooke McLaughlin, MS


- MSHS, Genetic Counseling Internship
- University of Cincinnati, Ohio, master's degree, medical genetics
- University of Arizona, Tucson, master's and bachelor's degrees, molecular and cellular biology

Brooke McLaughlin completed a two-month MSHS internship in

genetic counseling between her first and second years of graduate school and joined Mayo Clinic in Arizona as the second genetic counselor there. She works with adult patients in oncology and adult-onset conditions, including muscular, cardiac, neurologic and connective tissue.

"I see patients to assess risk for a genetic predisposition for disease, looking at personal and family history," says McLaughlin. "In some cases, patients have multiple problems. In others, they don't have a problem yet, but have significant family history of a problem. We determine what their goals are for having genetic information and help them interpret the data."

She cites the example of the genes BRCA1 and BRCA2, which can increase risk for breast cancer if mutated. "If you have genetic variants, but do not have a personal history of breast or ovarian problems, you are at increased risk," she says. "We develop a plan, so you don't have to wait for something to happen."

McLaughlin says medical genetics is rapidly changing and adopting new technologies. "You need to have a strong science background, psychosocial interest and ability to work well with patients," she says. 



Brother's illness starts path to Outstanding Educator Award

After contributing to the education of pharmacy students and postgraduate residents over the past 20 years, Narith Ou, PharmD, Board Certified Pharmacotherapy Specialist (BCPS), has been named one of three recipients of the 2015 Mayo School of Health Sciences (MSHS) Outstanding Educator Award.

"I've been involved in teaching and precepting students and residents for a long time," says the primary preceptor for the MSHS Pharmacy Residency in Cardiac Intensive Care at Mayo Clinic Hospital, Saint Marys Campus, Rochester. "It feels great to be recognized."

Second-year pharmacy residents spend a four-week rotation in the Cardiac Intensive Care Unit. Every

afternoon, Dr. Ou meets with the resident to go over patients and a daily topic.

"They are dedicated to their training," he says. "I'm always a resource for them, but I want to see them take initiative in their own education."

A career in medicine

Dr. Ou's path to the award began 35 years ago in Southeast Asia.

When neighboring Vietnam invaded Cambodia in 1979, more than 600,000 Cambodians fled to escape violence and likely famine. The Ou family, including six children, found safety at a refugee camp in Thailand. But, 13-year-old Narith Ou's older brother was hospitalized with symptoms related a congenital heart condition.

Physicians determined his brother was in urgent need of surgery. In December 1980, the family was moved to Rochester, so his brother could undergo surgery at Mayo Clinic. A childhood health crisis and urging from his parents eventually convinced Dr. Ou to pursue a career in medicine.

"On our journey, we were fortunate to meet health care professionals along the way," Dr. Ou recalls. "My brother was often in a clinic or hospital. We got to know the physicians and nurses. Being able to observe them caring for my brother and showing compassion to my family influenced my decision."

Choosing pharmacy

A few years later, after his sophomore year at the University of Minnesota, Dr. Ou worked as a summer intern in a research lab at Mayo Clinic. When discussing career options with several mentors, one suggested he talk with a pharmacist.

"She explained all the possibilities of what a pharmacist could do, and that's how it began," Dr. Ou says. Returning to the university that fall, he switched his major to pharmacy.

Becoming a preceptor

Dr. Ou joined Mayo Clinic as a hospital pharmacist after graduating in 1992. Two years later, he entered a postgraduate Pharmacy Residency at MSHS.

"I had to complete my residency, so I would be prepared to be a

preceptor,” Dr. Ou explains. “At the time, it was an unusual move. I just realized that, if I wanted to be more involved in education, I needed to do that.”

In the residency, Dr. Ou gained in-depth exposure to numerous medical specialties. Largely because of his brother’s childhood condition, Dr. Ou opted for multiple rotations in cardiology. After completing the residency in 1995, he joined the Cardiology staff as a cardiology clinical pharmacist and assumed responsibility for the cardiology rotation for the Pharmacy Residency program.

“I was better prepared. I had more knowledge,” Dr. Ou says. “The residency also gave me the confidence I needed to be in a teaching role.”

For many years, Dr. Ou was the only preceptor for 10 residents or pharmacy students a year. Now that precepting has expanded to a team, he mentors four or five students each year. Dr. Ou also is a pharmacotherapy coordinator, supervising 10 cardiology clinical pharmacists.

As a preceptor, Dr. Ou has shared knowledge with more than 100 pharmacy residents and students, which means he has influenced the care given to thousands of patients.

“If you think of it that way, it’s an amazing feeling,” he says. “They come ready to learn and are very motivated. I certainly feel humble, playing a small part in their education.” ©

Rochester MSHS faculty award winners

Annually, MSHS honors faculty and staff who have excelled in services to MSHS and the school. Here are the 2015 honorees from the Rochester campus.

OUTSTANDING EDUCATORS

1. **Narith Ou, PharmD, BCPS**, pharmacotherapy coordinator, precepts second-year residents in MSHS Pharmacy Residency, Cardiac Intensive Care Unit
2. **Diane Walker, RN, RT(T)**, lead radiation therapist, works with Radiation Therapy Program students in simulation exercises
3. **Terry Egbers, CRNA, MA**, retired certified nurse anesthetist supervisor, volunteers with MSHS Nurse Anesthesia Program

OUTSTANDING PHYSICIAN/SCIENTIST EDUCATORS

4. **Nirusha Lachman, PhD**, associate professor of anatomy, Department of Anatomy and Department of Surgery, Division of Plastic Surgery, designed a surgical anatomy course for the MSHS Surgical First Assistant Program
5. **Jeffrey Pasternak, MD**, chair, Neuroanesthesia Division, directs physics and chemistry courses in the Nurse Anesthesia Program

OUTSTANDING SERVICE

6. **Claire Bender, MD**, dean, MSHS, 2001-2013
7. **Jackie Attig, CPA**, Management Accounting finance analyst, provides finance support for the MSHS leaders and managers



“Dr. Ou’s hard work, humility and genuine encouragement inspire everyone around him to be better clinicians.”

—LYDIA LEUNG, CARDIOLOGY CLINICAL PHARMACIST, MAYO CLINIC



Rejection leads to career blending histology, education

Tiffany Mainella confesses that her first question about histology was, “What the heck is that?”

In 2011, as a new graduate of the University of Minnesota Duluth, she wanted to work as a pathology assistant. She applied to pathology assistant schools, but didn’t get in. She learned most of the applicants accepted had experience as either nurses or histology technicians.

Unfamiliar with histology careers, Mainella did some research and learned that histology technicians work with dyes and chemicals to make tissue abnormalities visible

with a microscope. “And, the job outlook is incredible,” she says.

She landed in Mayo School of Health Sciences (MSHS) nine-month Histology Technician Program.

“MSHS was such a great opportunity for me,” she says. She graduated in 2012 and joined Mayo Clinic as a histology technician. She’s now an education specialist in the Mayo Clinic Histology Laboratory. She oversees training and continuing education for about 50 histology technicians/technologists and 10 laboratory assistants.

She describes herself as a bridge between technicians and managers on


Volunteer for the MSHS Alumni Association Board of Directors

To volunteer for Mayo School of Health Sciences Alumni Association Board of Directors, here’s what you need to know:

- Board members provide direction for MSHS Alumni Association programming and activities.
- Board terms are three years.
- Board members return to Mayo Clinic each spring for an annual meeting.
- A nominating committee considers applications to ensure broad representation of MSHS programs.
- To apply, complete the nomination form on the Alumni Association web page (<https://mshsalumni.mayo.edu/>), and submit a letter indicating your interest to MSHS Alumni Association at mshsaa@mayo.edu.
- Direct questions to the MSHS Alumni Association at 507-284-2317.

education matters. “I feel that my voice is heard more,” she says. “Technicians will come to me with concerns, and I can bring them to management,”

Speaking out for fellow alumni is why she volunteers for the MSHS Alumni Association Board of Directors, too. “I wanted to be able to give back and be a voice for the smaller programs, like histology.”

Pathology assistant school? There are no regrets and no going back. “I’ve found a different path,” she says. “I’ve really enjoyed the education part of my job and see myself staying involved with education.” 



Diverse histology classmates find lasting friendship

The skateboarding welder. The outgoing cheerleader. The military wife. The introvert. The “smart one.” The second-generation histology student. The members of the Histology Technician class of 2012 say they probably wouldn’t have been friends in high school, but they have a bond that goes beyond the classroom or histology lab.

“Typically, classes are diverse, and this one in particular included a wide variety of social backgrounds and ages, ranging from early 20s to late 40s,” says Michelle Nelsen, Histology Technician Program director. “They were a cohesive group throughout the program and seem to have built lasting friendships.”

Students in the nine-month program do their didactic work online and assemble several times a week for discussions, group projects and lab work.

Justin Colbenson, a histology technician on Mayo Clinic’s

Rochester campus, was the lone male in the class, a skateboarder and former welder.

“The program is intense, and the small class size fosters a tight unit of students and a supportive environment,” he says. He tapped into his contacts to help classmates find career opportunities.

Tiffany Mainella, education specialist for the Histology Laboratory at Mayo Clinic in Rochester and a member of the MSHS Alumni Association Board of Directors, says her classmates collaborated over potluck study sessions as students and continue to stay in touch.

“We text each other, stay current on Facebook and meet for different occasions,” Mainella says. “Some of us recently helped a former classmate move. We’ve gone to each other’s weddings. When we were in training, Justin’s house burned down, and we helped get household

▲ Class of 2012


Front: *Tiffany Mainella*

Seated: *Melissa Browen, Anna Sanh, Ashley Wannigman, Rochelle Grossman, Histology Program alumni*

Standing: *Tien Tran, faculty; Amanda Lipsky, Elizabeth Druffel, alumni; Loren Herrera Hernandez, MD, medical director; Justin Colbenson, alumnus; Michelle Nelsen, program director*

items and clothing to get him back on his feet.”

The group meets once a year for a reunion. “At the most recent one, we played games and had a scavenger hunt,” says Mainella. “It’s nice to catch up on everyone’s life and career.”

Melissa Browen, a histology technologist at North Memorial Medical Center in Robbinsdale, Minnesota, says, “I would describe us as mismatched group that became best friends. I feel like I could reach out to them for anything.” 



Katie Halda, BS RT(R)(T)

Radiation therapy assistant supervisor
Mayo Clinic Proton Beam Therapy program

Joined Mayo Clinic: 2004

MSHS: Radiation Therapy Program, 2004;
Radiography Program, 2003

MSHS alumni help launch Proton Beam Therapy Program

Three years ago, Katie Halda, a Mayo Clinic radiation therapist, saw a once-in-a-career opportunity and seized it. Mayo Clinic's Proton Beam Therapy Program, still in the early planning stages, needed an assistant supervisor. Halda, a 2004 graduate of the Mayo School of Health Sciences (MSHS) Radiation Therapy Program, got the job.

Halda has spent the past three years preparing for the program launch. "Being involved from the beginning of something new to Mayo Clinic and providing cancer treatment that is better for certain conditions — especially pediatrics — has been exciting," she says.

Halda visited proton beam therapy centers at the University of Pennsylvania in Philadelphia, Massachusetts General in Boston and Scripps in San Diego. "The visits to other programs helped me learn about the workflow and processes involved in proton beam therapy," she says. "Everyone in the proton beam community has been very helpful."

Her responsibilities included helping to train a team of radiation therapists in proton beam therapy. The therapists in the initial group of 10 all came from Mayo Clinic's Radiation Oncology Department, and seven of them are MSHS alumni.

In June, the first patients received treatment from the Proton Beam Therapy Program on Mayo Clinic's Rochester campus. "We were so ready," she says.

"The therapists transitioned to proton beam therapy very quickly," she says. Training included lectures from the physicists and dosimetrists and weekly Q-and-A sessions to understand how the technology works.

Therapists learned that proton beam therapy is more sensitive than traditional radiation therapy. "Bowel gases or a wrinkle in a sheet atop a patient affect the penetration of the beam," says Halda. "A patient's weight change can affect the treatment dose, which means we may have to do a verification CT scan every week during treatment."

Planning workflow and close communication has been crucial. There are four treatment rooms, but only one room receives the beam at a given moment. "We need to plan well, so one patient can be in preparation for treatment and begin as soon as a patient in another room is done."

Halda says she was pleased to observe such effective teamwork in action. "Everyone's bits of knowledge and expertise made this project come together," she says. "Lucky for me, I got to see firsthand how the time and hard work benefits our patients and their families." >>

Meet the MSHS alumni who staff the Proton Beam Therapy Program

These longtime Mayo Clinic employees, all graduates of Mayo School of Health Sciences, are radiation therapists for the Proton Beam Therapy program.

1. Jennifer DeWeese, BS RT(R)(T)

Joined Mayo Clinic: 2006

MSHS: Bachelor's degree, Radiation Therapy, 2006; Radiography Program, 2004

2. Teresa Hodge, RT(R)(T)

Joined Mayo Clinic: 1992

MSHS: Radiation Therapy Program, 1991; Radiography Program, 1990; Respiratory Therapy Program, 1982

3. Rebecca Keller, BS RT(R)(T)

Joined Mayo Clinic: 2001

MSHS: Radiation Therapy Program, 2001

4. Katelyn Knoepke, RT(R)(T)

Joined Mayo Clinic: 2010

MSHS: Radiation Therapy Program, 2010; Radiography Program, 2008

5. Linsey Schultheis, BS RT(R)(T)

Joined Mayo Clinic: 2008

MSHS: Bachelor's degree, Radiation Therapy Program, 2008

6. Audrey Stenzel, BS RT(R)(T)

Joined Mayo Clinic: 1987

MSHS: Radiation Therapy Program, 1987

7. Katie Voigt, BS RT(R)(T)

Joined Mayo Clinic: 2004

MSHS: Radiation Therapy Program, 2004; Radiography Program, 2003

More information: mayoclinic.org/proton-beam-therapy

Mayo Clinic Proton Beam Therapy Program

Mayo Clinic has launched its Proton Beam Therapy program for cancer patients. In June the first patients were treated at a new facility on the Rochester campus. A new proton beam facility is expected to open on the Arizona campus in spring 2016.


Mayo Clinic's Proton Beam Therapy Program differs from most other programs in the U.S. It exclusively features intensity-modulated proton beam therapy with pencil beam scanning. The pencil beam conforms more closely to the tumor, better sparing surrounding healthy tissue from harm and "painting" small groups of protons back

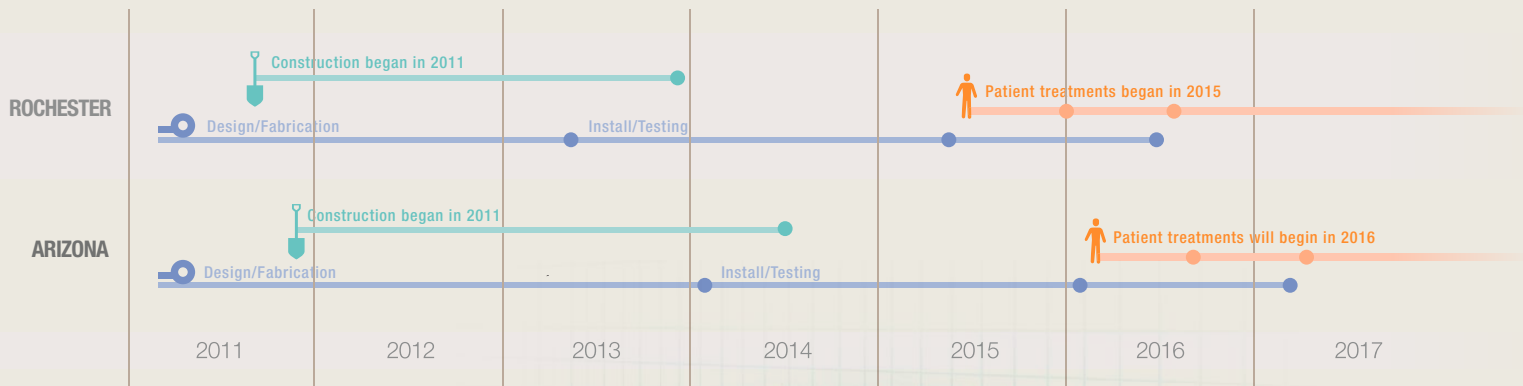
and forth through a tumor. The accelerated protons fill the depth and contour of the tumor, allowing advantages over most other proton therapy systems, including:

- Greater control of radiation doses
- Shorter treatment times
- Reduced side effects

The precision of pencil beam scanning makes it especially beneficial in treating tumors adjacent to critical and sensitive organs and structures, such as the brain, eye and spinal cord. In certain patients —

children, young adults and those with cancers located close to critical organs and body structures — proton beam therapy is an advancement over traditional radiotherapy.

Many pediatric cancers have significant cure rates — some higher than 90 percent. Proton beam therapy helps to spare healthy tissue from the effects of radiation. People who must undergo radiation therapy early in life are less likely to have long-term side effects and complications from proton beam therapy, such as secondary malignancies, than with conventional radiation therapy. 



A proton beam delivers concentrated radiation within a narrow region referred to as the "Bragg peak." Because the radiation beam conforms closely to the tumor, surrounding healthy tissues are better spared from harm.





Leading with worldly perspective

Abba Zubair, MD, PhD, named associate dean of Mayo School of Health Sciences (MSHS) in Florida in 2014, likes to teach informally.

An associate professor of Laboratory Medicine and Pathology on the Florida campus, Dr. Zubair has served as mentor and adviser to more than 50 research associates, residents and fellows during his 12 years at Mayo Clinic. He has presented his share of lectures to medical students and fellows. But, the bulk of his teaching always has been more spontaneous.

“Anytime you interact with a patient, you’re providing education,” says Dr. Zubair, medical director of both Transfusion Medicine and Stem Cell Therapy in Florida. “My teaching with residents and fellows involved explaining interesting cases and reviewing serology consults. And, in the lab, I’m constantly educating the people working for me about technique and procedure.”

In his first year as associate dean, he has focused on two areas:

1. **Faculty development.** “We should be conducting education research to help us improve teaching methods in a measurable way,” says Dr. Zubair. “And, I’d like to see faculty conduct more clinical and laboratory studies in their own disciplines, which can enhance their practice and be used as a teaching tool.”
2. **Program evaluation.** There are more than two dozen MSHS programs on the Florida campus. “We need to make sure that every program is adding value to Mayo or the community that we serve.”

Journey to Mayo

Dr. Zubair, who grew up in Nigeria, is the second physician from Africa to lead education on the Florida campus. His predecessor, Galen Perdikis, MD, was from South Africa.

“Mayo Clinic sees diversity as a strength,” says Dr. Zubair. “It helps you see better. The more diverse you are in your experience, the more perspective you have.”


Stem cells travel to the edge of space and eventually, beyond

A human stem cell experiment led by Abba Zubair, MD, PhD, will be the first that Mayo Clinic conducts in space. Within the next year, he hopes the experiment will launch with other NASA cargo on a spacecraft bound for the International Space Station.

An interim research step is sending a capsule of test cells to the edge of space on a high-altitude balloon to see how they fare upon re-entering the Earth’s atmosphere.

Dr. Zubair expects his experiments to prove that stem cells — potentially used to induce regeneration of neurons and blood vessels in patients following a hemorrhagic stroke — grow more rapidly in space. If correct, it may be possible to generate other human tissues and organs in space.

The unknown is what happens to stem cells once they come back to Earth. “Rapid cell growth is related to cancer,” he says. His experiments in space will closely monitor how cells grow and what happens when they return to Earth. “It’s a first step to check safety.”

Dr. Zubair gained plenty of perspective through a geographically diverse education. He earned a medical degree from Ahmadu Bello University Medical School in Nigeria, a doctorate in cancer immunobiology from the University of Sheffield in England, a residency in pathology and laboratory medicine from the University of Pennsylvania, and a clinical fellowship in transfusion medicine from Harvard Medical School. 



Using ear plugs, modified goggles, gloves and leg braces helps students better understand the limitations of some elderly patients.

Respiratory care students play Aging Game

While there's plenty of uncertainty in life, one thing is sure: Despite our best efforts, we're all going to get older. And, when we do, we're likely going to have to adjust the way we live and receive health care. Thankfully, students in the University of Minnesota Rochester Bachelor of Science in Health Professions (BSHP) Program – Respiratory Care Track will be ready.

The program is a collaboration between the University of Minnesota Rochester and Mayo School of Health Sciences (MSHS). As part of their studies, students improve their understanding of the needs of elderly patients through the Aging Game.

"The game is a simulation, so students can experience the changes that typically occur with aging," says


Vanessa King, RRT, MEd, program director, MSHS Respiratory Care Program. First used in early 2015, it's now part of the program curriculum.

The Aging Game, designed by Mayo's Darryl Chutka, MD, Internal Medicine, helps students empathize by giving them a taste of how the older side lives. As part of the game, students have their mobility, fine dexterity skills, vision and hearing altered by using ear plugs, modified goggles, gloves, and leg braces to help them better understand the limitations of some elderly patients. The students also are given a card explaining their disabilities and life events, a small amount of money, and white chips representing their self-esteem. They're then given 90 minutes to complete a few simple, everyday tasks, such as grocery

shopping, stopping at the bank and post office, and eating lunch at a restaurant, while working in pairs.

Megan Lentz, a junior in the BSHP Program and a recent participant, says the experience opened her eyes to the plight faced by many elderly patients. She simulated the experience of an 80-year-old woman who had lost her husband and had terrible eyesight and hearing.

"There were many times [during the game] when I had no idea where to go, because I didn't know where the bus stop was or where the grocery store was," she says.

Participant McKenzie Bangasser, another junior in the BSHP Program, says she came away with a newfound appreciation for the struggles of everyone around her. "This exercise taught me to be more conscious of others' struggles and to help others whenever I can," she says. 

Credit: Thank you to Karna Fronden, reporter, *University of Rochester News* (<https://r.umn.edu/about-umr/news/>) and Mayo Clinic's *In the Loop* for this story.



Darryl Chutka, MD



Aurora St. Luke's School of Diagnostic Medical Sonography students Amanda Shulta, Abby Kaminski and Laura Eastburn learn about two-dimensional assessment of the left atrium by transthoracic echocardiography (TTE) using an ultrasound simulator with Chris Kramer, Aurora Health Care sonography education program director.

ALUMNUS PROFILE

Chris Kramer: MSHS paved the path to achievement

Chris Kramer's days are full. As program director of the sonography program at Aurora Cardiovascular Service in Milwaukee, Kramer oversees all aspects of echocardiography students' education. A busy speaking schedule often takes Kramer to national and international medical education conferences. He also regularly contributes to scholarly articles. On top of that, Kramer serves as a board member for the Joint Review Committee on Education in Diagnostic Medical Sonography.

Kramer has risen to this thriving place in his career after only a short time. A 2007 graduate of Mayo School of Health Sciences (MSHS) Echocardiography Program, Kramer is confident in the source of his professional accomplishments.

"I really believe all the success I have had stems from the education I received at MSHS," he says. "The excellent clinical experience and outstanding faculty allowed me to further my knowledge and learning in ways I couldn't have anywhere else. They set me up for success in the long term."

Kramer became familiar with echocardiography when he worked in diagnostic cardiac services at a hospital in Minneapolis. He was fascinated by the sonographers' work and asked them how to get started in the field.

"Everyone I talked to told me the MSHS program was the best," says Kramer. "They were right."


Kramer was accepted into MSHS in 2005 and completed the Echocardiography Program two years later. He worked as a sonographer

on Mayo Clinic's Arizona campus for three years before moving back to the Midwest and joining Aurora Health Care as an advanced cardiac sonographer. In 2011, he was tapped to create an education program focused on echocardiography — the program he still directs now.

Kramer was responsible for building the program from the ground up, including protocols, policies, procedures, curriculum, clinical rotations, recruiting plans and much more. As he did so, he leaned heavily on what he knew worked.

"I kept going back to my time at MSHS: the way I learned there and the way I was taught there. It works so well; I wanted to emulate that experience for our students as much as possible."

As Kramer increased his involvement in education, he became more active in the American Society of Echocardiography. Through that work, he was asked to join the Joint Review Committee. He continued giving presentations on echocardiography topics, including best practices, techniques, scope of practice and pathology. He credits his broad range of professional activities to the start he got at Mayo Clinic.

"The opportunities I had at MSHS were unparalleled. They helped me to see how much I could achieve," says Kramer. "For MSHS graduates, I really believe the sky's the limit. You have the foundation you need to build a successful career." 

IN THE NEWS

SCHOOL NEWS

Nurse anesthesia education celebrates 125th anniversary



1. Hundreds of alumni attended a gala May 2, celebrating the 125th anniversary nurse anesthesia education at Mayo Clinic.
2. Terry Egbers and Joan Hunziker-Dean.
3. Mary Shirk Marienau, current program director with past program directors Edward Thompson and Robert Johnson.
4. Featured speaker James Kiffmeyer.
5. Patricia Kohlbeck, Irma Elvir, Choonja Lee.
6. Tammy Buchanan, Debra and Steven King

FACULTY NEWS

Retirement spurs blue frog giveaway

Christopher Dietz, CRNA, DNP, associate director of the Mayo School of Health Sciences (MSHS) Nurse Anesthesia Graduate Programs-DNAP and MNA, retired in 2014 after 32 years at Mayo Clinic. Before he left, he gave away 250 blue frogs.

Dietz began collecting blue frogs in 1985 when he was a student in the Nurse Anesthesia Program.

“We used a muscle relaxant in anesthesia called curare,” he says. “I learned that blue poison dart frogs in South America secrete curare — a poison — through their skin, and natives roll the tips of their arrows in it to shoot and paralyze their prey.”

When he became the associate director of the program, he put a blue frog on a shelf in his office as a reminder of this anesthetic.

His office collection grew.

Students, faculty, friends and family gave Dietz blue frogs ranging from a tiny origami frog to an aluminum lawn ornament frog. The collection included a kite, pitchers, stuffed animals, windup toys and paintings. One novel addition was a blue frog dressed like MC



Hammer in gold lamé pants, dancing and singing, “Can’t Touch This.”

On a couple of occasions, Dietz incorporated frogs into instruction. Students learning to use a fiber optic scope to perform tracheal intubation on mannequins were surprised to see small blue frogs when they reached their destinations.

Before he retired, Dietz gave away all but a few of the frogs. Recipients were students, graduates, instructors and other MSHS employees.

“Some sent me photos of their children playing with the frogs,” says Dietz. “It was an honor to know people went out of their way to find frogs for me, and it connected us as friends rather than just as instructor and students.”

Dietz says he is enjoying retirement, including the opportunity to work occasionally in the operating room at Mayo Clinic, and writing about the history of the MSHS Nurse Anesthesia Program.

“I miss the people — not the frogs,” he says.

SCHOOL NEWS

Rotations available for nurses pursuing doctorates

The Doctorate of Nursing Practice Academic Support Program is the newest program addition to Mayo School of Health Sciences (MSHS).



Pam Lovett

Students enrolled in an affiliated Doctorate of Nursing Practice Program will have the opportunity to complete clinical and residency hours. In addition, preceptors will provide guidance for research and evidence-based practice projects.

The program opened in January, and 15 students are enrolled. “As more and more nurses pursue doctorate degrees, this program offers structure, support and guidance as they complete their rotations,” says Pam Lovett, DNP, CRNA, who is the program director. “There was real need for this.”

This program is open only to Mayo Clinic employees in Florida. Each student is paired with a volunteer preceptor to guide the selection of clinical rotations and evidence-based practice projects.

Students pursue one of three tracks: Advanced Registered Nurse Practitioner, Certified Registered Nurse Anesthetist or Leadership. Six schools in Florida and one in Alabama are affiliated with the Doctorate of Nursing Practice Academic Support Program.

For more information: Email lovett.pamela@mayo.edu.

SCHOOL NEWS

MSHS students give back

There is no grade for community service, but all Mayo School of Health Sciences (MSHS) programs offer opportunities for students to support their communities. Here are a few recent examples.

Auction for physical therapy research

Physical therapy students hosted a silent auction in Rochester, with proceeds donated to the American Physical Therapy Association's Foundation for Physical Therapy Research. Auction items ranged from Minnesota Gopher hockey tickets to paintball passes.

Food and comfort

Students in the Histology Technician and Cytotechnology programs packed food at Channel One, a food bank that serves southeastern Minnesota. And, they spent an afternoon making blankets that were donated to the Ronald McDonald House in Rochester.

Blood donations

In a blood donation challenge, Emergency Medicine Paramedic students bested the students from the Surgical First Assistant Program. Their donations helped 90 patients.



Students in the Histology Technician and Cytotechnology programs made blankets for the Ronald McDonald House in Rochester.

Alumni, students: Tell *Connections* about your community service for possible publication in the magazine or on MSHS Alumni Association website (<https://mshsalumni.mayo.edu/>). Photos are welcome. Send submissions to connectionsmanager@mayo.edu.

ALUMNI ASSOCIATION NEWS

A round of applause for the Board of Directors



Thank you to the 2015 Mayo School of Health Sciences Alumni Association Board of Directors for their service and enthusiasm for this volunteer position. Interested in volunteering? See page 14 for how to apply.

Front row: Danicia Asberry, Kerri Fitzgerald, Randy Roesch, Vicki Place, Karen Sherk, Joan Hunziker-Dean, Judy Anderson

Standing: Jane Deering, Christina Lazer, Erin Morris, Chad Hanis, Kimberly Bishop, Jill Knutson, Tim Fedje, Vanessa Scifres, Carrlene Donald, Anthony Mendez, Tiffany Mainella, Beth Cloud, Ashley Mroczenski, Matt Bains, Ruth Bello, Todd Meyer, Pamela Lovett

Not pictured: Christopher Bleau, Bella Panchmatia, Tamara Redden



WE WELCOME ALUMNI AND STUDENT NEWS

Your comments, academic and career news, and story ideas are welcome. Send to: Editor, *Connections* / Mayo Clinic / Siebens 5 / 200 First St. S.W. / Rochester, MN 55905 / Email: connections@mayo.edu

About *Connections* and MSHS

Connections is published three times a year and mailed free of charge to alumni, students and friends of Mayo School of Health Sciences (MSHS).

MSHS has a distinguished history of preparing students for successful careers in the health sciences. Mayo Clinic has been training allied health professionals for more than 100 years.

About 1,700 students are enrolled in more than 128 MSHS programs representing more than 60 health sciences careers. Programs are available at Mayo Clinic campuses in Arizona, Florida and Rochester.

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NOMINATIONS OPEN FOR 2016 MSHS ALUMNI AWARD

We want to hear about outstanding alumni

**The MSHS Alumni Association is seeking nominations for the
2016 Recognition of Outstanding Contributions.**

The Alumni Association will consider graduates who:

- Are dedicated to service of patients
- Promote the art and science of medicine through the education of students — in a clinical or academic setting
- Participate in or encourage research
- Are leaders in their field
- Are involved in community service
- Have made contributions to underserved populations or provide services in challenging situations
- Are involved with MSHS

Self-nominations are encouraged.
Deadline is Jan. 31, 2016.

MORE INFORMATION

<https://mshsalumni.mayo.edu/people/awards/>

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507-284-2317



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