Mayo School of Health Sciences

Connections

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

Graduation Issue
Connections asked members of the MSHS Alumni Association Board of Directors to offer a tip or two to the 2011 graduates. Here are their pearls of wisdom:

**Words of wisdom for new graduates**

**Don’t underestimate the power of establishing strong relationships with your team in helping patients to meet their goals.**
Brad Wehe, Physical Therapy, 1989

**Take the initiative to keep on learning and share your knowledge.**
Michelle Wilt, Radiography, 1997

**The best job security is to do your job better than anyone else.**
Bill Oswald, Nuclear Medicine Technology, 1982

**It really is all about the patients. Remind yourself every day that the reason we have a job is that we can deliver on improved quality of life and satisfaction to our patients.**
Caren Hughes, Pharmacy, 2006

**You are not only beginning a journey that will forever change your life, your actions and decisions have the potential to change the lives of all those around you.**
Jerrod Ernst, Radiography, 2000; Radiation Therapy, 2002

**Dress for success. Professional appearance is key to making a good first impression.**
Nancy Gray, operations manager, MSHS

**Be open to new techniques and ideas. Continue to seek and learn knowledge in your field.**
Danicia Asberry, Sonography, 2011

**First on the list: Get a good accountant!**
Steve Klinkhammer, Nurse Anesthetist, 1995

**You must first be true to yourself, your family and your god. It’s only then that you can be true to your profession.**
Gayle Sanderson, Physical Therapy, 1971

**Make friends with all of the nurses and secretaries. They have the power to make your day run smoothly.**
Linsey Wagner, Audiology, 2008
Log on to learn
Mapping the role of online learning

Larry Vukov, MD
ED physician honored for teaching skills

Hannah’s scarf
A gift of compassion

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Congratulations graduates!
This issue is a tribute to the dedication, hard work and accomplishments of the class of 2011.

LEFT: New MSHS graduates include Kristin Lindaman, Physician Assistant Fellowship, Hospital Internal Medicine; Jennifer Garrow, Cardiology Nurse Practitioner; Hillary Krueger, Physician Assistant Fellowship, Hospital Internal Medicine and Jaime Matthaeus, Physician Assistant Fellowship, Otolaryngology, Head and Neck Surgery.

ON THE COVER
MSHS 2011 graduates Afiye Abdulle, Respiratory Care; Nicole Callahan, Nurse Practitioner; and Matthew Herz, Sonography, all work for Mayo Clinic.
Mayo School of Health Sciences students and faculty can take pride in their many accomplishments during the 2010-2011 school year.

MSHS administrators and staff worked hard behind the scenes to advance strategic plans to boost quality, learning and efficiency; adjust programs to match Mayo Clinic’s long-term staffing needs; and turn out quality-minded graduates equipped to excel in a changing health care environment.
Enrollment
MSHS recorded modest growth in enrollment — to 1,562 students in 133 programs representing 60 health care professions. The three campuses attracted students from 43 states and nine foreign countries.

Integrating administration
As part of the “one Mayo” philosophy, the College of Medicine, Mayo Clinic has moved toward integration among the five Mayo schools and all three campuses. Financial aid has long been centralized, but the schools have operated separately in other areas. Further integration will streamline and lower the cost of common processes:

• Implementation of a new student record system for all schools started in January and should be completed in 24 months. A student portal will give students easy, yet secure access to their records.
• Student services will be centralized — from admissions to orientation to licensing and credentialing.

Quality management
Mayo Clinic launched an initiative to train employees in quality management methodologies and tools. MSHS responded with two actions:

Faculty: All 230 MSHS core faculty members were expected to be Mayo Quality Fellows Bronze-level certified by the end of 2011. Mayo Clinic’s Quality Academy offers bronze-, silver- and gold-level certification to recognize levels of achievement.

“It’s important for faculty to be educated in quality principles so they can share them with their learners,” says Troy Tynsky, MSHS operations manager.

Students: Most students will take an online introductory course on quality principles and methodologies. The module will be available by the end of 2011.

“The ultimate payoff is that students … will understand there’s a science to creating good value in health care delivery.”
—TROY TYNSKY

A record year for gifts
MSHS received the largest gifts in school history. An anonymous donor gave $1 million. Another $1.7 million came from the Blanche Hammers Trust. Hammers and her husband, James, long-time patients of Mayo Clinic, so they’ll need a frame of reference,” Tynsky says. “The ultimate payoff is that students who come through our doors will understand there’s a science to creating good value in health care delivery. Upon graduation they will be more viable job candidates because they will be able to examine their work environment with an eye toward quality.”
and benefactors of Mayo Clinic, died in 2009.

“We’re able to do some progressive projects without putting the cost on the backs of clinical departments, which is huge for the school,” says Bethany Krom, administrator for MSHS. The blockbuster gifts enable MSHS to move forward on significant efforts:

- Blended learning initiatives, which optimize classroom instruction and online learning (see story page 6).
- Interprofessional curriculum development, which integrates learning experiences of students in various programs to prepare them to work in health care teams.
- A study on how MSHS works with Mayo Clinic and Mayo Clinic Health System to provide clinical training and employment opportunities to MSHS students.

**New academic offerings**
The Rochester campus introduced professional enhancement courses, designed to offer specialized knowledge or skills to practicing allied health professionals. The first two courses were:

- Diabetes Intensive Training, which prepares nurse practitioners and physician assistants on diabetes prevention, diagnosis, treatment, management and comorbidities.
- Mind-Body Medicine, which teaches participants to train their attention to be more in the present moment.

“Individual courses are new for us as a school, and we anticipate developing more of them,” says Virginia Wright-Peterson, operations manager for MSHS in Rochester. “This is a chance for us to expand into some cutting-edge topics, some of which fall into alternative or complementary medicine.” For example, massage therapy will be added in 2012.

Other program changes:

- Advanced Cytopathology and Molecular Diagnostics, a six-month practicum, started in Rochester.
- The Arizona campus established a new clinical rotation in Polysonography.

- Nurse Practitioner and Physician Assistant Fellowship programs began using the new Mayo Clinic Simulation Center in Arizona.

**Where to grow in the future?**
Growth in MSHS programs generally has reflected Mayo Clinic’s need for qualified employees. Going forward, program growth will align with institutional directives on five- to 10-year plans.

Mayo Clinic will need allied health professionals to support its focus on cancer, cardiology and transplants. For example, Mayo Clinic Proton Beam Therapy facilities to be built in Minnesota and Arizona will need medical physicists trained to apply targeted radiation doses for more effective cancer treatment with fewer side effects.

“We’ll have to train those individuals ourselves,” says Nancy Gray, operations manager, education administration, Arizona.

MSHS approved the following growth in Arizona in 2012:

- Start a Radiation Oncology
Medical Physics Residency, expanding to four students in 2014.

• Add one student each to the Physician Assistant Fellowship (Hospital Internal Medicine in Oncology), Otolaryngology Physician Assistant Fellowship and Nurse Practitioner Fellowship in Cardiology, and the Medical Social Worker Internship (with a focus on oncology).

• Add eight additional rotations in Oncologic Pharmacy for pharmacy students focusing on oncology.

• Start a Geriatric Physical Therapy Residency.

Supreme Court Justice Alan Page tells students, “Be the best you can be”

Minnesota Supreme Court Justice Alan Page says he still hears his parents’ voices in his head, telling him, “Whatever you choose, be the best you can be.”

“My parents made sure that I knew the importance of being educated, the importance of being a good citizen and the importance of seeking excellence,” he says. Those lessons were the essence of his message to students at the MSHS Convocation Oct. 27. Page spoke to an audience in Rochester and was connected by video conference to campuses in Arizona and Florida.

Page chose two career paths — football and the law — and excelled at both. He helped the University of Notre Dame win a national football championship in 1966. He was a first-round draft pick for the Minnesota Vikings.

While still a Viking, he enrolled in the University of Minnesota Law School in 1978, fulfilling a lifelong goal to “learn what the law was about,” says Page. In 1992, he was the first African American to be named to the Minnesota Supreme Court.

Page’s career path hasn’t always been straight. His first try at law school lasted three weeks, “and it took me 2 ½ weeks to figure out how to drop out,” he recalls.

“I’ve learned more from losing, on and off the field,” he says. “It’s what you do with the experience, if you learn something, that’s invaluable.”

In memoriam

Kenneth D. Strong, 1925-2011

Physical Therapy, 1953

Please visit the “Colleague notes” section at www.mayo.edu/alumni for information about Kenneth Strong.

Nurse Anesthesia students Cadmar Araka, RN, left, Matthew Mogensen, RN, center, talk with Minnesota Supreme Court Justice Alan Page after the MSHS Convocation.
Textbooks, lectures, clinical training and, increasingly, online learning are important teaching tools of health care education. But how should these tools be combined into effective curricula? Thanks to a $1 million gift from an anonymous Mayo Clinic benefactor, Mayo School of Health Sciences (MSHS) is finding out.

Using the benefactor gift, MSHS plans to identify, study and implement effective combinations of online and traditional instruction to enrich learning opportunities, improve learning outcomes and open its programs to more students. Beginning in the 2012–2013 academic year, the school will pilot this blended learning approach in three programs: Histology Technician, Clinical Neurophysiology Technology and Phlebotomy Technician.

“We are working to build a vision of the learning experiences that are best deployed online versus those that should remain face to face,” says Virginia Wright-Peterson, MSHS operations manager. “We see this project as laying important groundwork for the entire College of Medicine.”

A closer look
Online learning is already a component of many MSHS programs, but its use and effectiveness haven’t been closely examined. As part of the school’s new initiative to combine online and traditional learning, MSHS has enlisted the services of an education expert in blended learning to help identify the latest and best practices.

“Some of our programs have used a blended learning style, but it’s been on a trial-and-error basis,” says Wright-Peterson. “This initiative is a more intentional endeavor that will be carefully studied over time.”

To get a clearer picture of the value that blended online and traditional learning may offer, MSHS is conducting student-learning assessments to examine the education practices in use today. Then, as blended learning is put into practice in 2012 and 2013, those assessments will be repeated to determine if learning has improved.

A new approach
For Michelle Nelsen, MSHS Histology Technician Program director, the opportunity to improve and enhance learning is a key benefit of using a blended approach. “We want the online tools we offer to add
to our students’ knowledge and understanding in substantive ways,” she says. For example, students need lab and clinical resources as they learn tissue-staining techniques.

“So we’re creating an online simulation students can use to practice their staining techniques, in addition to the practice they get in the lab,” says Nelsen. “They will be able to use it as often as they want, wherever they want.”

Putting resources online also allows the material to be used by students and faculty throughout Mayo Clinic. A physician lecture presented for a MSHS program, for example, may be applicable to medical students, residents or other health sciences students. When it’s online, all of those audiences can access it. That method increases the consistency of the educational messages and decreases the time faculty members need to invest in lecturing and preparation.

In addition, effectively using online resources to provide basic information prepares students for in-class activities and sets the groundwork for clinical experiences, allows faculty more time to answer questions, concentrate on teaching complex material, and focus on clinical and lab work.

“In our program, we foresee using the online tools to set up hands-on activities, giving students the knowledge they need to hit the ground running when they get in the lab,” says Nelsen. “Then they can put 100 percent of their energy into performing the tasks, rather than working through the details and logistics of the project.”

**A broader reach**

Another clear advantage of offering online resources in addition to classroom teaching is that students can access course material on their own time. Many people interested in health sciences careers are nontraditional students whose work and family obligations make attending classes difficult during a typical school day. “Broadening student access is a very important part of this initiative,” says Wright-Peterson. “We’re hoping the blended learning model will help ease the logistical difficulties some potential students face and open our programs to those who may not have seriously considered them otherwise.”

The hope is that blended learning will also allow MSHS to extend programs into Mayo Clinic Health System and possibly create programs that function as one throughout all three Mayo Clinic campuses in Rochester, Florida and Arizona.

Through the blended learning initiative, online tools and teaching will become an integral part of MSHS curriculum. But online learning won’t completely replace more traditional education methods. Instead, it will complement and enhance classroom, clinic and laboratory teaching.

“MSHS programs require a face to face component, so it’s unlikely any of them will ever go completely online,” says Wright-Peterson. The goal is to give students access to a rich array of online resources to enhance their education. “With that foundation,” she says, “our faculty will be able to make the best use of the time they and their students have together.”

—in Michelle Nelsen

“In our program, we foresee using the online tools to set up hands-on activities, giving students the knowledge they need to hit the ground running when they get in the lab.”

Education consultant Rod Sims talks with students about best practices in blended learning.
In his humble way, Larry Vukov, MD, makes his role as a clinical educator for students in the Physician Assistant Program sound like being a mere tour guide in the Emergency Department (ED) at Saint Marys Hospital in Rochester, Minn.

“The ED is a great learning environment for the students because they get to see so many people, all with different complaints,” Dr. Vukov says. “It’s the patients, actually, who provide the education. They’re the substrate for learning. I just try to make it fun and help the students understand what they’re seeing. It’s up to me to make sense of the whole thing.”

For interpreting those everyday illnesses, injuries and emergencies, Dr. Vukov was named Outstanding Physician/Scientist Educator for 2010–2011, the highest honor for MSHS faculty. The award means more to Dr. Vukov, knowing that it recognizes the broad spectrum of teachers in all MSHS programs and in all settings — clinical, laboratory and classroom.

“To me, that’s pretty big stuff,” he says. “It really covers all of Mayo Clinic’s three shields.”

This has been a stellar year for Dr. Vukov. The Mayo Clinic Alumni Association honored him with its 2011 Humanitarian Award for leading mission trips to rural Kenya communities. Volunteers build centers that provide education, nutrition and health care. In addition, Dr. Vukov and his wife, Gail, operate a guesthouse in Rochester. They offer complimentary housing for missionaries and Mayo Clinic patients.

Just as important as the awards, the students of the Physician Assistant Program selected him as the guest speaker for their graduation ceremony in May.

“That was a distinct honor,” Dr. Vukov says.

Bob Adams, director of the Physician Assistant Program, nominated Dr. Vukov for the MSHS award for being an excellent clinical educator. Since the program started in 1997, Dr. Vukov has worked with second-year students for one-month clinical rotations at Saint Marys Hospital, which provides care for more than 75,000 patients a year.

“The students work with me every minute of every shift I work during that month,” Dr. Vukov says. “If I encounter anything that is abnormal, I want students to see that so they can connect the symptoms to the condition and to test results.”

Dr. Vukov, who joined the staff of the Section of Emergency Medicine in 1980, typically juggles 20 to 25 patients a day in 10 rooms. Along the way, the students gain experience and insight on working through a case, setting priorities, dealing with family members, and more.

“I treat the PA students similar to third- or fourth-year medical students,” Dr. Vukov says. “We talk through their rationale for tests and treatments.”

Dr. Vukov, an associate professor of emergency medicine, says PA students give back to him by sharing new information and by forcing him to re-evaluate his own practices.

“Teaching is the best form of learning,” Dr. Vukov says.

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**MSHS awards honor faculty**

MSHS recognized seven Rochester faculty members and staff with awards for outstanding performance in the 2010-2011 school year.

**Outstanding Educators**
- Darren Calley, PT, DSc
  Physical Therapy
- Heidi Gunderson, PharmD, R PH
  Pharmacy
- Sue Lehman, MA, MT(ASCP)SM
  Clinical Laboratory Science
- Sharron Moyer, R NCS T
  Clinical Neurophysiology Technology

**Outstanding Physician/Scientist Educator**
- Larry Vukov, MD
  Physician Assistant

**Outstanding Service**
- Jill Smith, JD
  Legal Department
- Pauline Ptacek-Raiche
  Human Resources
As a student at MSHS, you learn how to care for patients and the importance of caring about them. Both are important components of Mayo Clinic’s Model of Care, which guides how Mayo Clinic’s employees — and its graduates — treat patients.

That model of care can also be seen in interactions among colleagues, something Troy Keach, an operations manager for Mayo School of Health Sciences, recently discovered. Keach’s story highlights the profound impact a simple gesture of compassion can have. It reminds us of the difference we can make in the lives of our patients, their families and each other.

When Troy Keach brought his 10-year-old daughter, Hannah, to the hospital last spring, he was expecting a difficult day. But then he got in an elevator at Saint Marys Hospital for what turned out to be quite an uplifting experience.

Another Mayo employee, we’ll call him Jim, was on that elevator, and the two got to talking. Jim asked about Hannah, who is being treated for leukemia and was in the middle of a difficult course of treatment.

By coincidence or providence, Jim had just visited with the Dalai Lama, who had been in Rochester for medical appointments. During that visit, the Dalai Lama had given Jim a scarf, which he had blessed, as an expression of gratitude. The spiritual leader hadn’t specifically asked Jim to give the scarf to someone he thought might need it. But that’s the thing about stories like this. Sometimes things just fall into place.

That Jim was even on the elevator was one of those things falling into place. After leaving the building, Jim realized that he’d left his cellphone behind and returned to retrieve it. That’s what brought him to the elevator with Troy and Hannah.

During the elevator ride, Jim asked Hannah her name. Then he leaned over and put the scarf around her neck, saying, “Hannah, I want you to have this. I just received it from the Dalai Lama.” He added that he’d say a prayer for her, and then they parted ways.

While Hannah didn’t fully understand the meaning of that gesture at that moment, her father knew what it meant. And he said he was deeply moved by the gesture by someone who didn’t know him personally and yet showed such care and compassion to his daughter.

Hannah kept the scarf close to her during the days it took to recover from her treatment. She held it as she said her prayers. Later, she and her dad did a little research to learn more about the Dalai Lama and his scarves.

Keach says Hannah’s gift is just one example of Mayo’s culture of caring. “The culture here is real, and it doesn’t exist like this in other places. It’s who we are at Mayo,” he says. “That one minute in the elevator gave us hope that we could get through this.”

Hannah Keach wears the scarf that was blessed by the Dalai Lama. Her dad, Troy, is a MSHS operations manager.
Mayo Clinic has long been on the leading edge of medical education. In 2011, that tradition continued as Mayo School of Health Sciences (MSHS) collaborated with the University of Minnesota Rochester (UMR) to offer a new baccalaureate degree program for students pursuing an allied health career: Bachelor of Science in Health Professions (BSHP).

The BSHP program gives students a unique educational opportunity by providing full access to Mayo Clinic’s world-class medical expertise and technology, along with UMR’s rich academic resources.

During the 2011–2012 academic year, two programs are being offered through the BSHP program: Respiratory Care and Echocardiography. Next year, Sonography and Radiography will be added, with the potential for even more programs in the future. When they earn the BSHP degree from UMR and an accompanying certificate from MSHS, students are also eligible to take the exam to become a certified health professional in their specific field of study.

“Using a collaborative education model that integrates the strengths

“They receive a strong liberal arts education that enhances their critical thinking skills, problem-solving and teamwork.”

—BETHANY KROM
of Mayo Clinic and the University of Minnesota makes this program the best it can be for our students,” says Bethany Krom, MSHS administrator. “They receive a strong liberal arts education that enhances their critical thinking skills, problem-solving and teamwork. Students also get state-of-the-art, hands-on clinical learning that they wouldn’t find at a traditional university.”

The degree is intended to be completed in four years, and students are admitted into the BSHP program as juniors. The first two years of prerequisite classes can be taken at UMR or at another accredited college or university. The curriculum offers courses in a specific sequence that progressively builds students’ knowledge and expertise while they advance through the program. The BSHP combines classroom work, online resources, simulation training and clinical rotations, as well as an emphasis on writing throughout the curriculum, to provide students with a robust education.

Joshua Finstuen, MSHS program director for Echocardiography, says one of BSHP’s biggest benefits is the advantages it can offer long-term. “As these students become professionals and advance in their careers, many will want to take on additional challenges,” he says. “With a bachelor’s degree in hand, they will have a wide range of options more readily available to them, such as teaching or going on to earn a higher degree. This program is an ideal launchpad for a rewarding career, giving students lots of flexibility.”

The ability to position students well as they move into careers is key to the success of the BSHP program, according to UMR Chancellor Stephen Lehmkuhle.

“One of the most challenging parts of education today is preparing students for the jobs of tomorrow,” says Lehmkuhle. “BSHP is one way we’re tackling that challenge. This program is one of the richest learning experiences in the country for students interested in health professions. It provides academic expertise and depth, as well as the latest new and emerging medical technology. With this degree, students will be well positioned for the challenges and opportunities in health care, now and into the future.”

Bachelor of Science in Health Professions … by the numbers

- 4 Years needed to complete a BSHP degree
- 4 Programs currently slated to be offered through the BSHP (Respiratory Care, Echocardiography, Sonography and Radiography)
- 12 Students entering the BSHP program in 2011 (nine in Respiratory Care and three in Echocardiography)
- 55 Anticipated BSHP enrollment in 2012

Chris Marti, a student in the first BSHP Respiratory Care class, works with a young patient. In addition to pediatrics, Respiratory Care students gain experience in pulmonary rehabilitation, intensive care and patient education.

ABOVE LEFT: Students in the first BSHP Echocardiography class are Sarah Dunn and Megan Nash. They practice their skills on fellow student Nicole Loge.
Audiologists use speech recognition tests to evaluate patients for cochlear implants as well as to track progress postimplantation. The audiology field is moving away from the Hearing in Noise Test (HINT) to more challenging assessment tools such as the AzBio Sentences that offer audiologists more detailed information.

Aileen Wong, AuD, who completed a MSHS Audiology Externship in Arizona in May, set out to determine if a correlation exists between performance on the two tests for the research component of her externship.

“I wanted to see if we could predict, if a patient scored at a certain level on HINT, how he or she was likely to perform on the AzBio,” says Wong, now an audiologist with the Arizona State Schools for the Deaf and the Blind and the Veterans Administration in Tucson.

Wong reviewed charts of 12 patients at Mayo Clinic in Arizona who had cochlear implants for at least one year. Patients had been deaf for anywhere from two to 45 years. Testing was conducted in a sound-treated booth, with patients repeating back the recorded sentences they heard. Scores were calculated using the percentage of correctly identified words that the patients repeated.

Test scores from the AzBio and HINT were compared for each patient. They consistently scored better on HINT, possibly because it features a single male voice in a clear speaking style, while AzBio features two male and two female speakers and a more conversational style of speaking.

Wong’s research found a 25 percent difference in performance between the two tests. A poster on Wong’s project was included at the American Auditory Society Meeting in Scottsdale, Ariz., in March 2011.

“The area of cochlear implants is evolving, and this is a good example of how professionals need to be flexible, ask questions and use evidence-based practice to try to help give our patients the best care possible,” says Wong.

Sarah Oakley, AuD, audiology education coordinator and a co-investigator on Wong’s project, emphasizes the value in student research projects. “Throughout their careers, audiologists must look at developments in our field and examine the research and determine if it is applicable to their practice,” she says.
That’s what Cortney Hindahl, PharmD, set out to determine in a research project during her pharmacy practice residency at Mayo School of Health Sciences in Rochester.

Hindahl interviewed 150 patients at Saint Marys Hospital who either had or were found to be at risk for osteoporosis. During bedside interviews, conducted from October 2010 to January 2011, she assessed patients for osteoporosis prevention education and use of calcium and vitamin D.

Only 31.3 percent of patients reported having osteoporosis prevention education from a health care provider. The majority, 68.6 percent, reported either educating themselves about osteoporosis prevention or having no education about it. Less than one-third of patients were found to have appropriate overall calcium intake.

Hindahl’s project concluded that patients lack adequate education from health care providers about osteoporosis prevention or having no education about it. Less than one-third of patients were found to have appropriate overall calcium intake.

“There are national guidelines for preventive calcium and vitamin D supplementation for those at risk for osteoporosis. If this research is indicative, most patients are not receiving what they need to reduce their risk from the significant morbidity and mortality this disease causes,” says Hindahl, now a pharmacist in the surgical team at Rochester Methodist Hospital. “Everyone involved in providing health care can collaborate to better educate patients and optimize their health.”

She says the project reinforced for her the important role of pharmacists in patient education. “Various health care professionals might need to relay information to the patient at different times and in different ways before the information is internalized,” she says. “We can never assume someone else has provided the necessary patient education.”

John O’Meara, PharmD, pharmacotherapy coordinator, Internal Medicine, Saint Marys Hospital, was a co-investigator on Hindahl’s study. “Projects such as this help our residents learn the rigor that goes into research which, even if they do not pursue research in their careers, will help them analyze research they encounter throughout their career with greater scrutiny,” he says. “Cortney identified an area for improvement in patient education, and perhaps others will pick up where she left off to fill that gap.”

Hindahl presented her project at the Midwest Pharmacy Residents Conference in Omaha in May, and submitted a manuscript to the American Journal of Hospital Pharmacy.
You’ve likely noticed those black and white images that roughly resemble square Rorschach inkblot tests in magazines, on advertisements or consumer products.

They are Quick Response (QR) codes — two-dimensional bar codes that encode information. With a smartphone camera and a QR code reader application, you can scan the QR code to access text, video, contact information or a web page.

Jennifer Crawford, a senior in the MSHS Radiography Program in Florida, undertook a project in March 2011 to bring QR codes to the program. Crawford helped to develop a QR code that links to Radpositioning49, a YouTube channel with more than 100 videos demonstrating radiologic imaging positions. The videos were created by the MSHS Florida Radiography Program.

The QR code is posted in clinical areas for on-demand access to information from a handheld device. Students can scan and store the QR code on their devices to easily connect to the videos for studying from any location.

“Having immediate, easy access to the video catalog is a time-saver,” says Crawford. “Students are not always familiar with every one of the 264 imaging positions. Members of my generation — millennials or Generation Y — and technology enthusiasts are much more likely to use a smartphone or iPad than a computer.”

Stan Olejniczak, coordinator of the Radiography Program in Florida, says teaching methods have evolved with technology. “In the 1970s, educators taught students radiologic positions using textbooks and clinical observation,” he says. Later, the best tool was a booklet with photographs.

“With the advent of digital video, we taped students in positioning simulations and added voiceover to explain procedures,” he says.

“The QR code is simply the latest incarnation of our effort to use technology to provide as many education options as possible,” he says.

Sharon Jacoby, a clinical instructor in the Radiography Program, presented the concept of QR code for clinical use at the Association of Schools of Allied Health Professionals meeting in October.

“We’re exploring other uses for QR codes in radiology education, practice and patient education,” says Jacoby. “Patients could be provided with a QR code to scan to watch a video before their appointment. This could help prepare them and make them feel more at ease.”

“Jennifer’s project helped launch QR codes in our Radiography Program,” says Jacoby. “We’ve just scratched the surface of the ways they can be used.”

How QR codes enhance learning

- Quick Response (QR) codes provide immediate, easy access to information with a smartphone camera and QR reader application.
- Students in the MSHS Radiography Program in Florida can connect to more than 100 radiologic positioning videos from any location without typing a single word.
Seeking outstanding alumni
Nominations open for 2012 MSHS alumni award

Do you know alumni who have excelled in patient care, community service or research? Are you a leader in your health care organization, or have you overcome challenges to provide patient care?

Do tell!

The MSHS Alumni Association is seeking nominations for the 2012 Recognition of Outstanding Contribution award. 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 and/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 Alumni Association

Self-nominations are encouraged. More information and the nomination form are available at www.mayo.edu/alumni/. This recognition will be presented at the Alumni Association annual meeting on April 27, 2012. Travel expenses will be covered for the recipient.

The nomination deadline is Jan. 31, 2012.

Volunteers sought for MSHS Alumni Association Board

Here’s a way to give back to your school, make career connections and enjoy an expense-paid trip to Rochester: Volunteer for the MSHS Alumni Association Board of Directors.

To be considered for service on the MSHS Alumni Association Board of Directors, submit a letter indicating your interest.

Applications are reviewed by a nominating committee to ensure broad representation of MSHS programs.

The 25-member Board of Directors votes on recommendations put forth by the nominating committee.

Board terms are for three years.

Board members return to Mayo Clinic each spring for an annual meeting; travel expenses are reimbursed.

Board members provide direction for programming and activities of the MSHS Alumni Association.

For information, contact:
Betsey Smith, alumni relations coordinator
507-284-2317 | mshsaa@mayo.edu
Audiology Externship — Arizona

Program Update

The Audiology Department is pleased to announce the graduation of two outstanding doctor of audiology students. These students completed clinical rotations in the areas of cochlear implants, vestibular testing, hearing aids, and diagnostic testing and participated in ongoing research projects.

Class Notes

Audiology Externship students who completed the program in 2011:

Dana Gladd, AuD  Clinical audiologist
Elks Hearing and Balance
Boise, Idaho

Aileen Wong, AuD  Arizona State Schools
for the Deaf and Blind —
Southeast Regional Cooperative
Tucson, Ariz.

Audiology Externship — Rochester

Program Update

Sterling Sheffield, AuD, completed a clinical program in adult and pediatric diagnostics, vestibular/balance assessment, hearing aids, cochlear implants and universal newborn hearing screening.

Sheffield will be pursuing his PhD and working as a research assistant with hybrid cochlear implants.

Class Notes

Audiology Externship student who completed the program in 2011:

Sterling Sheffield, AuD  Vanderbilt University
Nashville, Tenn.
Cardiovascular Invasive Specialist

Program Update

The Cardiovascular Invasive Specialist (CVIS) Program graduated its sixth class on May 13 in Mathy Hall on Mayo Clinic’s Rochester campus. Lee Meyer, RN, BA, CVIS program director, gave the keynote address to the graduates, their families, alumni, and the distinguished guests present.

Congratulations to program graduates. Legendary Green Bay Packers Coach Vince Lombardi’s words summed up the culmination of hard work, perseverance and accomplishment by both of these graduates,

“...It (was) is time for us to stand and cheer for the doer, the achiever, the one who recognizes the challenge and does something about it...”

Good luck to the Class of 2011 and welcome to the appointees of the Class of 2013 who began their studies in August 2011. The appointees are: Jacob Herges, Byron, Minn.; Mathew Klaren, Rochester, Minn.; Joshua Mathew, Woodbury, Minn.; Bobbylee McDonald, Buffalo City, Wis.; and Tom Michnowski, Pine Island, Minn.

Class Notes

Students who graduated from the CVIS Program in 2011:

Uyen (Wendy) Le
Cardiac Catheterization Lab
Mayo Clinic Health System
La Crosse, Wis.

Kevin Mulligan
Cardiac Catheterization Lab
Saint Marys Hospital
Mayo Clinic
Rochester, Minn.

Uyen (Wendy) Le and Kevin Mulligan, students
Clinical Laboratory Sciences

Program Update

The third class of the Clinical Laboratory Sciences Program graduated on May 26, 2011. Ninety-one percent of the students were employed at graduation. The program maintains a first-time national certification pass rate of 94 percent compared to a 77 percent national average.

Front row: Jamie Becker, Aimee Villard, Theresa Zenz, Amanda Jacobson, Sarah Schultness, Beverly Koski, Michelle Bates, students
Second row: Hannah Rendall, Sarah Torbenson, Mary Huntrods, Angela Balloy, Megan Smith, Emily Conway, Leah Bruns, students
Back row: Michael Leviton, Ryan Bowers, Cory Blixt, Nicholas Driscoll, Micah Zuccarelli, students
Not pictured: Paul Jaghab, Pamela Mumba, Meghan Phelan, students
## Class Notes

**Mayo Clinic, Rochester, Minn.**

<table>
<thead>
<tr>
<th>Name</th>
<th>Specialty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Angela Balloy</td>
<td>Immunology</td>
</tr>
<tr>
<td>Michelle Bates</td>
<td>Renal</td>
</tr>
<tr>
<td>Jamie Becker</td>
<td>Bacteriology</td>
</tr>
<tr>
<td>Cory Blixt</td>
<td>Tissue Typing</td>
</tr>
<tr>
<td>Ryan Bowers</td>
<td>Immunostains</td>
</tr>
<tr>
<td>Leah Bruns</td>
<td>Immunology</td>
</tr>
<tr>
<td>Mary Huntrods</td>
<td>Mycology</td>
</tr>
<tr>
<td>Amanda Jacobson</td>
<td>Neuroimmunology</td>
</tr>
<tr>
<td>Michael Leviton</td>
<td>Mycology</td>
</tr>
<tr>
<td>Hannah Rendall</td>
<td>Immunology</td>
</tr>
<tr>
<td>Sarah Schulthess</td>
<td>Serology</td>
</tr>
<tr>
<td>Megan Smith</td>
<td>Transfusion Medicine</td>
</tr>
<tr>
<td>Sarah Torbenson</td>
<td>Immunology</td>
</tr>
<tr>
<td>Aimee Villard</td>
<td>Virology</td>
</tr>
<tr>
<td>Theresa Zenz</td>
<td>Renal</td>
</tr>
<tr>
<td>Micah Zuccarelli</td>
<td>Tissue Typing</td>
</tr>
</tbody>
</table>

**Mayo Clinic, Jacksonville, Fla.**

<table>
<thead>
<tr>
<th>Name</th>
<th>Specialty</th>
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</thead>
<tbody>
<tr>
<td>Pamela Mumba</td>
<td>Chemistry</td>
</tr>
<tr>
<td>Meghan Phelan</td>
<td>Transfusion Medicine</td>
</tr>
</tbody>
</table>

**Mayo Clinic Health System**

<table>
<thead>
<tr>
<th>Name</th>
<th>Specialty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emily Conway</td>
<td>Franciscan Healthcare, Onalaska Clinic Onalaska, Wis.</td>
</tr>
</tbody>
</table>

**Other**

<table>
<thead>
<tr>
<th>Name</th>
<th>Specialty</th>
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</thead>
<tbody>
<tr>
<td>Nicholas Driscoll</td>
<td>Health One Presbyterian/St. Luke's Medical Center Denver, Colo.</td>
</tr>
<tr>
<td>Paul Jaghab</td>
<td>Undecided</td>
</tr>
<tr>
<td>Beverly Koski</td>
<td>Undecided</td>
</tr>
</tbody>
</table>
Clinical Neurophysiology Technology

Program Update

Graduates of the Clinical Neurophysiology Technology Program Class of 2011 received a certificate of completion from Mayo School of Health Sciences and an associate in applied science degree from Rochester Community and Technical College. Graduation was Aug. 4, 2011.

With Distinction

The Class of 2011 awarded Andrew Zafft, R NCST, R EP T, supervisor, EMG Lab, the Excellence in Teaching Award. Judith Johnson, R EEG T, technologist, EEG Lab, received the Outstanding Technical Mentor Award.

Class Notes

Students who completed the Clinical Neurophysiology Technology Program in 2011:

Walter Kennebeck  Wabasha, Minn.
Heather Martin  Byron, Minn.
Heidi Messar  Luck, Wis.
Maria Prendergast  Rochester, Minn.

Front row: Jan Buss, R NCST, R EP T, program director; James Watson, MD, medical director
Back row: Maria Prendergast, Walter Kennebeck, Heidi Messar, Heather Martin, students
Clinical Pastoral Education

Program Update

Six students graduated from the Mayo Clinical Pastoral Education Residency Program on Aug. 11, 2011.

In the 12-month residency program, clergy, religious workers, and seminary graduates rotate throughout Rochester Methodist and Saint Marys hospitals. The program helps residents develop pastoral interviewing and assessment skills.

Residents can seek to become board-certified chaplains in the Association of Professional Chaplains. This national certification grants privileges to chaplains to serve and work full time in U.S. hospitals and institutions. Opportunities include entering the chaplaincy as a full-time career, returning to parish life in a church setting, or working in a different institutional setting, such as a prison, a university, hospice or nursing home.

Class Notes

Clinical Pastoral Education students who completed the residency in 2011:

Lorraine Gardner  Seeking chaplaincy position
Kyle Haack  Parish pastor  Wheaton, Ill.
Renee Lier  Seeking parish call
Betty McManus  Seeking chaplaincy position
Nancy Toensing  Staff chaplain  Mayo Clinic  Rochester, Minn.
Medhat Yoakiem  Seeking parish call

Front row: Betty McManus, student; Roger Ring, program supervisor, Lorraine Gardner, student
Back row: Medhat Yoakiem, Renee Lier, Kyle Haack, Nancy Toensing, students
Clinical Research Coordinator

Program Update

The Clinical Research Coordinator Program is one of only a handful of similar programs in the country that combines clinical research, post-secondary education and hands-on research coordination experiences.

Eleven students graduated Jan. 5, 2011. They received a certificate of completion from Mayo School of Health Sciences and an associate in applied science degree or a diploma from Rochester Community and Technical College.

All graduates complete an eight-credit hands-on internship that includes 480 hours of fieldwork under the mentorship of an experienced clinical research coordinator. This year’s students conducted fieldwork throughout many areas of Mayo Clinic, including the Breast Clinic, Mayo Clinic Cancer Center, Gastroenterology and Hepatology, Neurology, Nephrology and Hypertension, Pediatric Infectious Diseases, Pulmonary and Critical Care Medicine, Radiology, Respiratory Care, and Urology.

Ninety percent of the graduates obtained employment in the clinical research coordination field within six months of graduation.

Front row: Phuong-Dung (Amy) Liang, Gordana Akrapovic, students; Lori Carlson, RN, MBA, CCRC, program director; Corinne Parker, student
Back row: Adam Amundson, Roxanne Pederson, Mark Manemann, Lindsey Packer, Tami Krpata, Vardhini Mohan, students
Not pictured: Alicia (Kalmes) Meek, Jaymi (McDaniel) Russo, students
**Class Notes**

Clinical Research Program students who completed the program in 2011:

**Mayo Clinic, Rochester, Minn.**

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gordana Akrapovic</td>
<td>Assistant financial representative</td>
<td>Mayo Collaborative Services</td>
</tr>
<tr>
<td>Adam Amundson</td>
<td>Associate clinical research coordinator</td>
<td>Mayo Clinic Cancer Center</td>
</tr>
<tr>
<td>Tami Krpata</td>
<td>Associate clinical research coordinator</td>
<td>Critical Care Medicine</td>
</tr>
<tr>
<td>Phuong-Dung (Amy) Liang</td>
<td>Quality assurance specialist</td>
<td>Mayo Clinic Cancer Center</td>
</tr>
<tr>
<td>Mark Manemann</td>
<td>Clinical research coordinator</td>
<td>Urology</td>
</tr>
<tr>
<td>Alicia (Kalmes) Meek</td>
<td>Associate clinical research coordinator</td>
<td>Nephrology and Hypertension</td>
</tr>
<tr>
<td>Vardhini Mohan</td>
<td>Associate clinical research coordinator</td>
<td>Infectious Diseases</td>
</tr>
<tr>
<td>Lindsey Packer</td>
<td>Vascular access testing</td>
<td>Saint Marys Lab Services</td>
</tr>
<tr>
<td>Corinne Parker</td>
<td>Associate clinical research coordinator</td>
<td>Dermatology Research Unit</td>
</tr>
<tr>
<td>Roxanne Pederson</td>
<td>Associate clinical research coordinator</td>
<td>Nuclear Medicine</td>
</tr>
<tr>
<td>Jaymi (McDaniel) Russo</td>
<td>Research coordinator</td>
<td>Sanford Medical Center Brandon, S.D.</td>
</tr>
</tbody>
</table>

*Other*
Suhyang Condon and Rachel McCarty received National Student Honor Awards from the American Society for Clinical Pathologists (ASCP). This award recognizes student excellence in the laboratory professions.

The Cytogenetic Technology Program was well represented at the Association of Genetic Technologists 36th Annual Meeting. Several alumni presented posters including: Kirsten Abramczyk, BS, CG(ASCP); Crystal Budahn, BS, CG(ASCP); Michaela Erickson, BS, CG(ASCP); Natalie Lee, BS, CG(ASCP); Erik McIntire, BS, CG(ASCP); Kimberly Leonhard, BS, CG(ASCP); and Keesha Stiner, BA, CG(ASCP).

Stephen Grinnell, MAT, CG(ASCP), instructor of Laboratory Medicine, serves on the ASCP Cytogenetic Technology Committee. He was also selected to participate in Leadership Greater Rochester, a nine-month program to educate participants about the Rochester community and provide an opportunity to discuss the challenges and issues that face the Rochester area. The program identifies emerging leaders, expands their knowledge of the community and encourages them to take leadership roles in the community. Grinnell graduated from this program in May 2011.

Peggy Stupca, MS, CG(ASCP)CM, DM(ASCP) CM, program director and assistant professor of Laboratory Medicine, received the Foundation for Genetic Technology Joseph Waurin Excellence in Education Award at the Association of Genetic Technologists annual meeting in June 2011.

Class Notes

Students who graduated from the Cytogenetic Technology Program in 2011:

Adam McClung
Mayo Clinic
Rochester, Minn.

Rachel McCarty
Northwestern University
Evanston, Ill.

Suhyang Condon
Mayo Clinic
Rochester, Minn.

Jack Spurbeck, faculty; Peggy Stupca, program director; Adam McClung, student; Rachel McCarty, student; Steve Grinnell, faculty; Suhyang Condon, student
Cytotechnology

Program Update

For the first time, the Cytotechnology Program offered students two options: the 12-month program, and an additional six-month expansion program. The expansion program includes additional opportunities for in-depth study in fine-needle aspiration, training in fluorescence in situ hybridization and coursework in the foundations of molecular science. In 2009-2010, the program was on hiatus to restructure the curriculum.

All five students passed the American Society for Clinical Pathology Board of Certification examination, maintaining the program’s 100 percent pass rate.

Kara Hansing, SCT(ASCP), joined the program as education coordinator in September 2010.

Class Notes

Students who completed the Cytotechnology Program in 2011:

Justin Cassett  Mayo Clinic
Rochester, Minn.

Mohammad Khairo Dairi  King Faisal Hospital
Riyadh, Saudi Arabia

Ashley Johnson  Mercy Medical Center
Cedar Rapids, Iowa

Ocla Jeptoo Kigen  Plans to attend
graduate school

Mark Vande Haar  Northwest Memorial Hospital
Chicago, Ill.

Front row: Michael Henry, MD, medical director; Kara Hansing, education coordinator; Jill Caudill, MEd SCT(ASCP), program director  Back row: Ocla Kigen, Mohammad Dairi, Justin Cassett, Mark Vande Haar, Ashley Johnson, students
Dietetic Internship — Florida

Program Update

In 2011, the Dietetic Internship Program graduated two classes, Class 50 in March and Class 51 in September.

All Mayo Clinic employee preceptors who have been employed greater than one year have instructor academic rank. Ron Stone, RD, and Michelle Romano, RD, achieved assistant professor. In addition, all Mayo Clinic preceptors have been awarded the Mayo Quality Fellows Program bronze-level certification with Ron Stone and Sherry Mahoney, RD, achieving silver-level certification.

With Distinction

Each class presents an outstanding preceptor award to a Mayo Clinic preceptor and a Jacksonville community preceptor.

Congratulations to these outstanding preceptors:

- Melissa Stewart, RD, and Angela Vizinni, MS, RD, Mayo Clinic dietitians
- Joe Castillo, MS, RD, Shands at the University of Florida, Jacksonville
- Kristen Franham, MSH, RD, and Elizabeth Bobo, MS, RD, Nemours Children’s Clinic, Jacksonville, Fla.

Class Notes

Students who graduated from the Dietetic Internship in 2011:

Class 50
Brooke Grover  University of Arkansas
Fayetteville, Ark.

Mallory Brown  Baylor University
Waco, Texas

Glorianne Adams  University of North Florida
Jacksonville, Fla.

Class 51
Ryan Harmon  University of Florida
Gainesville, Fla.

Melanie Tai  Cornell University
Ithaca, N.Y.

Adrienne Hatch  Purdue University
West Lafayette, Ind.
**Program Update**

The Dietetic Internship Program was started by Sister Mary Victor Fromm in 1930, making it one of the oldest programs in the country. It was the first 12-month program to be accredited by the American Dietetic Association in 1933. In November 2010, the program was granted continued accreditation for 10 years by the Commission on Accreditation for Dietetics Education (CADE).

**Class Notes**

Dietetic internship students who completed the program in 2011:

- **Chelsey Buley**  
  Mankato, Minn.  
  Applying to physician assistant schools

- **Kelly Felten**  
  Byron, Minn.  
  Seeking employment

- **Christine Johnson**  
  Minneapolis, Minn.  
  Seeking employment

- **Brandy Love**  
  Seeking employment in Washington, D.C.

- **Leah Palmquist**  
  Cloquet, Minn.  
  Seeking employment

- **Abby Pollard**  
  Dietitian  
  St. Anthony Regional Hospital  
  Carroll, Iowa

- **Allison Pritchard**  
  Dickinson, N.D.  
  Seeking employment

- **Rachel Tiegs**  
  Rochester, Minn.  
  Seeking employment

*Not pictured: Chelsey Buley*
Echocardiography

With Distinction

Bruce Daniels, BS, RDCS, RPSGT, was presented with the Academic Faculty Award. Vicky Stussy, RN, RCS, was honored with the Minnesota Clinical Faculty Award. The Arizona Clinical Faculty Award was given to David Pacheco, RDCS. Physician Recognition Awards were presented to Mark Callahan, MD, Rochester and Steven Lester, MD, Arizona.

Class Notes

Echocardiography students who completed the program in 2011:

Lisa Brown Muskego, Wis.
Adam Duke Gilbert, Ariz.
Brigitte Rediger Bloomer, Wis.
Heidi Rivisto Prior Lake, Minn.
Kelli Whitford Stoughton, Wis.
Brad Zundel Rochester, Minn.

Front row: Carrie Vanden Bussche, academic coordinator; Lisa Brown, Brigitte Rediger, students; Rochelle Tyler, clinical coordinator; Heidi Rivisto, Kelli Whitford, students; Sally Miller, clinical coordinator
Back row: Brad Zundel, student; Daniel Borgeson, MD, medical director; Joshua Finstuen, RDCS, program director; Adam Duke, student
Electroneurodiagnostic Externship

Program Update

Students enrolled in the GateWay Community College Electroneurodiagnostics Program participate in clinical rotations at Mayo Clinic’s Arizona campus as part of their education.

Class Notes

Electroneurodiagnostic Externship student who completed the program in 2011:

Valerie Davis  Gateway Community College  Surprise, Ariz.
She is working on her American Board of Electroneurodiagnostic Technologists registration and seeking employment.

Valerie Davis accepts congratulations from Catherine Roberts, MD, MSHS associate dean.
In April 2011, the Histology Technician Program was awarded five-year initial accreditation by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS).

Michelle Nelsen, BS, HT/HTL(ASCP)CM, was named program director. Special thanks to Timothy Plummer who served as interim program director. Tien Tran, BS, HT(ASCP)CM, was welcomed as a new faculty member. The program continues to transition its curriculum to Blackboard and make modifications to content available to students online in an effort to create a more robust blended learning environment.

Seven students were awarded certificates at the Histology Technician Program graduation ceremony on May 20, 2011. The class of 2011 learned many valuable lessons including the impact of histology on patient care and the importance of creating a high quality slide for an accurate patient diagnosis. They developed a strong foundation of academic knowledge and technical skills that will serve them well as they transition into employment.

Graduates did exceptionally well on the ASCP Board of Certification exam with a 100 percent first-time pass rate.

With Distinction

During the 2011 commencement, three clinical instructors were recognized for their outstanding contributions to the learning experience and dedication to student success:

Holly Bates and Amy Farid Fawzy were presented with the Clinical Trainer Award.

Christina Halling was honored with the Enrichment Clinical Trainer Award.

Class Notes

Students who completed the Histology Technician Program in 2011:

Mayo Clinic, Rochester, Minn.

Brandon Blahnik          Histology Laboratory
Donald Hodges           Histology Laboratory
Jamie Hovde             Histology Laboratory
Courtney Klein           Histology Laboratory
Jessica Satterfield     Frozen Section Laboratory
Trenton Wirth           Histology Laboratory

Other

Andrew Parma            Undecided
Molecular Genetics Technology Internship

Program Update

Anna Prahl, a baccalaureate student in the Diagnostic Genetics Program at Northern Michigan University (NMU), participated in the Molecular Genetics Technology Internship from January – June 2011.

This program is a joint offering between NMU, Marquette, Mich., and MSHS. Students earn a baccalaureate degree in diagnostic genetics by completing seven semesters of coursework at NMU and a 24-week practicum in the Molecular Genetics Laboratory on Mayo Clinic’s Rochester campus.

Prahl’s project was to develop a sequencing assay and a multiple ligation-dependent probe amplification assay to analyze the SEPT9 gene, which is involved with the hereditary neuralgic amyotrophy disorder.

Class Notes

Student who completed the Molecular Genetics Technology Internship:

Anna Prahl Greenville, Mich.
Molecular Genetics Technology — Molecular Pathology Preceptorship

Program Update

Four students were accepted into the preceptorship program this year. This program is a joint offering between Texas Tech University, Lubbock, Texas, and MSHS. Students obtain a master’s degree in molecular pathology by completing 2.5 semesters at Texas Tech and an eight-week preceptorship in the Molecular Genetics Laboratory on Mayo Clinic’s Rochester campus.

Each student was assigned a fictitious disease as a project. The students researched and presented the clinical features of the diseases and proposed molecular testing platforms to assist in the detection of the diseases.

With Distinction

Amy Groszbach, M Ed, MLT, MB(ASCP)CM, program director, received the Outstanding Clinical Instructor of the Year, Molecular Pathology Preceptorship Program, from Texas Tech University.

Class Notes

Charlotte Hoffman, Lubbock, Texas

Jessica (Halley) Newman, Employment waiting list Mayo Clinic Rochester, Minn.

Nicolas (Tyler) Thomason, Albuquerque, N.M.

Ashley Yates, Midland, Texas

Nicolas (Tyler) Thomason, Charlotte Hoffman, Ashley Yates, Jessica (Halley) Newman, students
Eight students were awarded certificates from the Nuclear Medicine Program on Aug. 26 — the 35th graduating class for this program. The students completed a one-year internship at Mayo Clinic as part of a four-year degree program, or as post-baccalaureate work in nuclear medicine technology.

Academic affiliates are: Luther College, Decorah, Iowa; St. Cloud State University, St. Cloud, Minn.; St. Mary’s University of Minnesota, Winona, Minn.; University of Wisconsin - La Crosse, and Barry University, Miami Shores, Fla.

The medical director for the program is Brian Mullan, MD. Program director is Elton Mosman, MBA, CNMT, PET.

With Distinction

The Nancy L. Hockert Clinical Instructor Award was presented to Brian Lund, CNMT.

Class Notes

Students who graduated from the Nuclear Medicine Program in 2011:

Louis Cook Sauk Rapids, Minn.
Joseph Dammann Manning, Iowa
John Hakala Lakeville, Minn.
Karissa Hegseth Zumbrota, Minn.
Katherine Martin Dodgeville, Wis.
Leah Walters Albert Lea, Minn.
Amy Warren Vadnais Heights, Minn.
Leigh zumBrunnen Waite Park, Minn.

Front row: Amy Warren, Katherine Martin, Leigh zumBrunnen
Back row: John Hakala, Karissa Hegseth, Louis Cook, Leah Walters, Joseph Dammann
Nurse Anesthesia

With Distinction

Faculty Awards

• Nurse Anesthetist Educator Award — Saint Marys Hospital Anesthesiology: Julie M. Johnson, CRNA, MS

• Nurse Anesthetist Educator Award — Rochester Methodist Hospital Anesthesiology: Cory Groves, CRNA, MNA

• Special Recognition Award: Tanya Hoskin, MS, Biomedical Statistics and Informatics Shonie Buenvenida, BSN, clinical specialist, Respiratory Research

• Physician Educator Award: Katherine Arendt, MD, College of Medicine, Mayo Clinic

Student Awards

Robert R. Johnson Achievement Award: Amy Gnagey

Gilles, Nelson, Torrance Alumni Award: Cari Clapper

Rebecca S. Finley Alumni Award: Melissa Klein

Virginia B. Hartridge Achievement Award: Jonathan Alleckson

Robert A. E. Devloo Book Award: Amy Gnagey

Class Notes

Students who graduated from the Master of Nurse Anesthesia Program in 2011:

Mayo Clinic, Rochester, Minn.

Jonathan Alleckson  Ellen Hambel

Charles Beinborn  Marvin Hobbs

Joseph Carlson  Bryan Jones

Julie Castagno  Melissa Klein

Cari Clapper  Amy Neveau

Matthew Dyer  Kari Peterson

Amy Gnagey  Roger Pula

Emily Goerke  Marites Villarama

Mayo Clinic, Jacksonville, Fla.

Kelly Decker

Other

Andrey Bobrovnikov  Abbott Northwestern Minneapolis, Minn.

Jared Brickson  Anesthesia Associates of Boise Boise, Idaho

John Fernau  Memorial Hospital Springfield, Ill.

Melinda Howe  Trinity Health System Minot, N.D.

Kimberly Kerber  Seeking employment New York City
Brian Klocke  
Essentia Health  
Duluth, Minn.

Lacey Nicol  
Regional Anesthesia Group  
Terre Haute, Ind.

Jenna Palzkill  
Dean Care  
Madison, Wis.

Devin Spence  
Anesthesia Associates of Boise  
Boise, Idaho

Front row: Marvin Hobbs, Ellen Hambel, Melissa Klein, Brian Klocke, Amy Neveau, Jenna Palzkill, Marites Villarama, students
Second row: Melinda Howe, Kelly Decker, Charles Beinborn, John Fernau, Jared Brickson, Emily Goerke, Lacey Nicol, Cari Clapper, students
Third row: Kimberly Kerber, Roger Pula, Devin Spence, Bryan Jones, Joseph Carlson, Kari Peterson, students
Fourth row: Amy Gnagay, Jonathan Alleckson, Matthew Dyer, Andrey Bobrovnikov, Julie Castagno, students
Nurse Practitioner

Program Update

The Nurse Practitioner Clinical Residency Program graduated 12 students, including the first five acute care nurse practitioners trained at Mayo Clinic inpatient hospital services. All five have passed the certifying exam. This new track, offered in collaboration with Winona State University, provides the opportunity for nurse practitioners to team with hospitalist physician colleagues.

The Nurse Practitioner Program has doubled in size from 10 to 20 students, due to increased demand for these practitioners within Mayo Clinic. The number of students enrolled in the new acute care track has also doubled from five to 10.

Class Notes

Students who completed the Nurse Practitioner Clinical Residency Program in 2011:

**Mayo Clinic, Rochester, Minn.**

Meghan Bos  Family nurse practitioner  Gastroenterology

Nicole Callahan  Family nurse practitioner  Family Medicine

Annie Johnson  Acute care nurse practitioner  Trauma, Critical Care and General Surgery

Callie Johnson  Acute care nurse practitioner  Colon and Rectal Surgery

Richard Mokua  Adult nurse practitioner  Gastroenterology

Kimberly Moore  Family nurse practitioner  Family Medicine

David Olson  Acute care nurse practitioner  Hospital Internal Medicine

Nicole Selle  Acute care nurse practitioner  Critical Care Medicine/ICU

Brianna Skrukrud  Family nurse practitioner  Trauma, Critical Care and General Surgery

Kristi Theede  Pediatric nurse practitioner  Pediatric Surgery

Sarah Wilhelmson  Family nurse practitioner  Thoracic Surgery

**Other**

Shanna Anderson  Acute care nurse practitioner  Neurosurgery  Avera St. Luke’s Hospital Aberdeen, S.D.
Front row: Nicole Callahan, Kimberly Moore, Brianna Skrukrud, Sarah Wilhelmson, Nicole Selle, students
Back row: Richard Mokua, Meghan Bos, Shanna Anderson, students; Claudia Swanton, program director; Annie Johnson, David Olson, students
Not pictured: Callie Johnson, Kristi Theede, students
The Cardiology Nurse Practitioner Fellowship (CNPF), offered at Mayo Clinic in Scottsdale, Ariz., continues to build on the success of the inaugural 2010-2011 year. We congratulate our first two CNPF graduates for making us proud!

Last year’s CNPF graduate Tamara Redden, FNP, was hired by the Cardiovascular Division at Mayo Clinic in Arizona, where she established the nurse practitioner role in the outpatient Electrophysiology Clinic. The knowledge and skills she learned during the fellowship helped her transition into the role. She has since joined the inpatient resident teaching service, which highlights her clinical educator background as a mentor and teacher.

Jennifer Garrow, ANP, this year’s fellow, participated in the expanded curriculum including Simulation Lab scenarios. She also joined the Cardiovascular Division at Mayo Clinic in Arizona.

Jennifer and Tamara will work together to provide Mayo Clinic’s new residents and medical fellows with a well-rounded perspective of all the cardiology subspecialty areas, in which they actively participated over the CNPF course. This mentoring facilitates interdisciplinary team development.

The program continues to develop and expand instructional methods and learning areas thanks to the support of the cardiovascular and cardiothoracic surgery staff.

Next year, two students will be accepted for CNPF.

Class Notes

Student who completed the Cardiology Nurse Practitioner Fellowship in 2011:

Jennifer Garrow  Inpatient Cardiology Services
Mayo Clinic
Phoenix, Ariz.

Marci Farquhar-Snow, MN, RN, CCRN, CMC, CCNS, ACNP-BC, program director; Jennifer Garrow, ANP, student
Perioperative Nursing Fellowship

Program Update

The Perioperative Nursing fellows enjoyed working in the new Mayo Clinic Multidisciplinary Simulation Center in Arizona to hone their skills prior to completing their clinicals in the operating rooms.

The fall program expanded to four students.

Class Notes

Joel Frandsen, Staff nurse
BSN, RN
Verde Valley Medical Center
Cottonwood, Ariz.

Martha Ryan, Staff nurse, ENT team
MBA, BSN, RN
Mayo Clinic Hospital
Phoenix, Ariz.
Program Update

The 2010-2011 class was involved in many exciting projects including providing six hours of continuing education lectures to faculty and staff, working on original research and participating in the MSHS High School Boot Camp.

The Pharmacy Department held its first technician core day and the residency class was instrumental in providing continuing education lectures and program planning. The board certification preparation lecture series was added.

With Distinction

Nancy Vendrell, PharmD, BCPS, was awarded the Preceptor of the Year Award.

Mikka Summerton, PharmD, received the Resident Research Award for her project, “Evaluation of Targeted Busulfan to Determine if Therapeutic Drug Monitoring Results in Significant Alterations to Dosing Regimens.”

Class Notes

C. Viviane Barry
Manager in training
Cardinal Health
San Antonio, Texas

Jessica Peterson
Ambulatory oncology pharmacist
Mayo Clinic
Jacksonville, Fla.

Mikka Summerton
PGY-2 Critical Care resident
Mayo Clinic
Jacksonville, Fla.

Cristina Vida
Jacksonville, Fla.
Pharmacy Residency — Florida

Post-Graduate Year Two (PGY-2) Critical Care Pharmacy Program

Program Update

This school year saw some exciting changes including implementation of a new clinical rotation.

Jerah Nordeen, PharmD, completed original research titled, “Safety and Efficacy of Antiplatelet Therapy Guided by Platelet Function Testing in Patients Undergoing Neuroendovascular Procedures.” This project was accepted for presentation at the September meeting of the Neurocritical Care Society in Montreal, Canada.

In addition, Nordeen provided two hours of continuing education lectures to faculty and staff and participated in the MSHS High School Boot Camp.

The Pharmacy Department held its first technician core day and the residency class was instrumental in providing continuing education lectures and program planning.

With Distinction

Nancy Vendrell, PharmD, BCPS, was awarded the Preceptor of the Year Award.

Class Notes

Jerah Nordeen
Hospital pharmacist practitioner
Mayo Clinic
Jacksonville, Fla.

Pharmacy residency to celebrate 10 years

This June will mark the 10th anniversary of the MSHS Pharmacy Post-Graduate Residency Programs on Mayo Clinic’s Florida campus.

Since its inception, the program has graduated 35 residents for the PGY-1 program and five residents for the PGY-2 program.

What: Reception to celebrate 10th anniversary of Pharmacy Post-graduate Residency Programs, MSHS

When: June 2012 (Details to be announced.)

Where: Cannaday Building, Kinne Auditorium

Who: Current students, alumni and current and former staff members of Pharmacy Post-graduate Residency Programs

Contact: Jamila Russeau, russeau.jamila@mayo.edu

Rob Darracott, program director; Jerah Nordeen, student
With Distinction

Jason Barreto, PharmD, BCPS-(AQ ID), AAHIVE, was recognized as Preceptor of the Year. Michelle Brodin, PharmD, was recognized as New Preceptor of the Year.

Class Notes

Students who graduated from the Pharmacy Residency programs in 2011:

Mayo Clinic, Rochester, Minn.

Brittany Allen Clinical pharmacist
Erin Frazee Clinical pharmacist
Whitney Goede Clinical pharmacist
Cortney Hindahl Clinical pharmacist
Kristen McCullough Clinical pharmacist
Heather Personett Clinical pharmacist

Other

Cassidy Beach Clinical pharmacist
Duke University Medical Center
Durham, N.C.

Jena Koshaisch PGY-2 Pediatric Residency
All Children’s Hospital
St. Petersberg, Fla.

Anna Tran Clinical pharmacist
Saddleback Memorial Medical Center
Laguna Woods, Calif.

Amanda Woloszyn Clinical pharmacist
University of Virginia Medical Center
Charlottesville, Va.
Program Update

The MSHS Phlebotomy Program marked its second year in 2011.

All April 2011 Phlebotomy Program graduates received their Phlebotomy Technician Certification (CPT) from National Healthcareer Association (NHA).

This was the first MSHS phlebotomy class eligible to take the test at the time of graduation. In the past, new graduates were required to work one year before taking the exam. Recent changes announced by accreditation agencies make earlier testing an option.

All students taking the test the rest of the year also received NHA certification.

Class 1: November 2010 - January 2011

Mayo Clinic, Rochester, Minn.
Rochester Methodist Hospital

Marie Nelson
Amber Ugland
Laura Price
Sarah Otto
Jodi Strahl
Anissa Moorman
Amber Ressett
Class 2: January – April 2011

*Mayo Clinic, Rochester, Minn.*

- Laura Anne Toth
  - Eisenberg Lab Services
- Amanda Ruggeri
  - Saint Marys Hospital
- Ronald Rynerson
  - Saint Marys Hospital
- Robert Thomson
  - Saint Marys Hospital
- Meagan Funk
  - Saint Marys Hospital
- Evelyn Giordano
  - Hilton Lab Services
- Lu Ann Miller
  - Saint Marys Hospital
- Jennifer Poethke
  - Saint Marys Hospital
- Beverly Riley
  - Rochester, Minn.

*Front row: Evelyn Giordano, Beverly Riley, Lu Ann Miller, Amanda Ruggeri, students
Back row: Ronald Rynerson, Laura Anne Toth, Robert Thomson, Meagan Funk, Jennifer Poethke, students*
Class 3: April – June 2011
Mayo Clinic, Rochester, Minn.

<table>
<thead>
<tr>
<th>Name</th>
<th>Hospital</th>
<th>Location</th>
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<tbody>
<tr>
<td>Leah Beyer</td>
<td>Saint Marys Hospital</td>
<td>Canton, Minn.</td>
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<tr>
<td>LeAne Burt</td>
<td>Charlton Lab Services</td>
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<tr>
<td>Dan Crowson</td>
<td>Saint Marys Hospital</td>
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<tr>
<td>Brian Hagen</td>
<td>Saint Marys Hospital</td>
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<tr>
<td>Sarah Hesser</td>
<td>Rochester Methodist Hospital</td>
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<tr>
<td>Karen Killoran</td>
<td>Rochester Methodist Hospital</td>
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<tr>
<td>Stephaney Klein</td>
<td>Saint Marys Hospital</td>
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<tr>
<td>Brooke Powers</td>
<td>Saint Marys Hospital</td>
<td></td>
</tr>
<tr>
<td>Jesse LaBonne</td>
<td>Canton, Minn.</td>
<td></td>
</tr>
</tbody>
</table>

Front row: LeAne Burt, Jesse LaBonne, Leah Beyer, Brian Hagen, students
Back row: Stephaney Klein, Karen Killoran, Sarah Hesser, Brooke Powers, Dan Crowson, students
Class 4: June – September 2011
Mayo Clinic, Rochester, Minn.

Samantha Alley  Saint Marys Hospital
Laura Blomgren  Saint Marys Hospital
Nora Culhane  Saint Marys Hospital
Krysta Flower  Rochester Methodist Hospital

My Nguyet Huynh  Saint Marys Hospital
Amber Klindworth  Saint Marys Hospital
Kristen McDonald  Rochester Methodist Hospital
Mervyn Ruggeri  Saint Marys Hospital

Other

Savanah-Marie Sweet  Dodge Center, Minn.

Front row: My Nguyet Huynh, Kristen McDonald, Amber Klindworth, Laura Blomgren, students
Back row: Nora Culhane, Mervyn Ruggeri, Savanah-Marie Sweet, Krysta Flower, students
Physical Therapy

Program Update

The commencement ceremony for the Physical Therapy Class of 2011 was May 27. Heidi Dunfee, PT, DSc, assistant professor of physical therapy and center coordinator of clinical education in the Department of Physical Medicine and Rehabilitation, gave the keynote address. Joy Richter provided the student address. Twenty-six students earned the doctor of physical therapy degree, bringing the total number of graduates educated at Mayo Clinic to 2,412 dating back to the program’s first graduating class in 1939.

Program faculty, staff and alumni were saddened by esteemed colleague Horace Hallman’s passing in September 2010. Horace Hallman, PT, MS, graduated from the program in 1970 and later joined the faculty, serving for 30 years as assistant professor of physical therapy and as the academic coordinator of clinical education prior to his retirement from Mayo Clinic in 2003. Horace is survived by his wife, Jane; his mother, Grace; sons Matthew and Stephen and daughter Melanie.

Class Notes

Collier Amundson    Prior Lake, Minn.     Brandon Ness    Stewartville, Minn.
Adam Carlson        Rockford, Ill.        Karen Olson     Fargo, N.D.
Kyle Cicero         Billings, Mont.       Britta Patterson Rochester, Minn.
Mindy Fjosne        Vancouver, Wash.     Jay Phillipe    Hillsboro, Ore.
Megan Gosse         Plainview, Minn.     Joy Richter     Glencoe, Minn.
Erin Gray           Shoreview, Minn.     Sara Rosol      Mount Horeb, Wis.
Justin Hahn         Lakeville, Minn.     Sarah Sobie     Cedarburg, Wis.
David Harezlak      Rockford, Ill.        Theresa Stangle Timber Lake, S.D.
Stephanie Hepburn   Lewiston, Idaho      Brenda Stephenson Harrison, Idaho
Kelsey Hoversten    Woodbury, Minn.     Jennifer Strobel Northfield, Minn.
Whitney Lochowitz   Oconomowoc, Wis.    Laura Thomas    Stanton, Mo.
Lisa Miner          Cedar Falls, Iowa    Elizabeth Tombers Plymouth, Minn.
Karina Montgomery   West Linn, Ore.     Chelsea Vize    Minneapolis, Minn.
**With Distinction**

**Jay Phillipe** received the Outstanding Clinician Award. He was selected by clinical education faculty to recognize exceptional clinical performance by a graduating student.

**Karen Olson** received the Richard L. Beers Award, which honors the graduating student who wrote the most outstanding scholarly paper.

**Stephanie Hepburn** received the Gordon J. Branes Award, which honors the graduating student with outstanding academic achievement in the physical therapy curriculum.

**Brandon Ness** and **Theresa Stangle** were co-recipients of the Erik J. Aasen Award, which honors the graduating student who best embodies the spirit of Erik Aasen. Aasen, a member of the PT Class of 1995, was a dedicated student, compassionate humanitarian and selfless colleague who died tragically in a 1994 Thanksgiving holiday traffic accident.

**Chelsea Vize** received the Minnesota Chapter of the American Physical Therapy Association Outstanding Student Award, which honors a graduating student who demonstrates strong academic performance, excellent clinical performance and professional leadership.

**Collier Amundson, Kyle Cicero, Justin Hahn** and **David Harezlak** co-authored a study with faculty members **Jim Youdas**, PT, MS, and **John Hollman**, PT, PhD, titled, “Surface electromyographic activation patterns and elbow joint motion during a pull-up, chin-up, or combined pull-up/chin-up exercise” in the *Journal of Strength & Conditioning Research*.

**Jay Phillipe** authored a case report titled, “Multimodal treatment including thoracic manipulation for the management of chronic neck pain and headaches: a case report” that was published in *Orthopaedic Physical Therapy Practice* in August 2011 (Vol. 23;3:11).

**Darren Calley**, PT, instructor of physical therapy, was honored with the 2011 MSHS Outstanding Educator Award. Outstanding Classroom Teacher Awards went to **Mark Jensen**, PT, and **Marty Tuma**, PT.

**John Hollman**, PT, PhD, program director and associate professor of physical therapy, authored or co-authored peer-reviewed publications in the *Archives of Neurology, Foot & Ankle International, the Journal of Strength & Conditioning Research, the Journal of Women’s Health Physical Therapy, the American Journal of Men’s Health, Gait & Posture, and the American Journal of Physical Medicine & Rehabilitation* in the 2010-2011 academic year.

**Desiree Lanzino**, PT, PhD, assistant professor of physical therapy, authored or co-authored peer-reviewed publications in *Neurosurgical Focus, the American Journal of Men’s Health, and the Journal of Neurologic Physical Therapy* in the 2010-2011 academic year.

**Jim Youdas**, PT, MS, associate professor of physical therapy, authored or co-authored peer-reviewed publications in the *Journal of Strength & Conditioning Research and the American Journal of Men’s Health* in the 2010-2011 academic year.
Front row: Elizabeth Tombers, Jay Phillipe, Joy Richter, Lisa Miner, Megan Gasse, David Harezlak, Stephanie Hepburn, students
Second row: Karen Olson, Chelsea Vize, Mindy Fjosne, Adam Carlson, Sarah Sobie, Collier Amundson, Sara Rosol, students
Third row: Karina Montgomery, Whitney Lochowitz, Theresa Stangle, Justin Hahn, Erin Gray, Kelsey Hoversten, students
Back row: Britta Patterson, Brenda Stephenson, Kyle Cicero, Brandon Ness, Laura Thomas, Jennifer Strobel, students
Physician Assistant

Program Update

In February 2011, the program was named the No. 1 program in the country by U.S. News and World Report.

Class Notes

Students who completed the Physician Assistant Program in 2011:

Collin Arnett
Britta Binek
Diana Cloud
Ariane Fredrickson
Rachel Hansen
Anthony Kalscheur
Julie Loscheider

Melissa Piske
Leah Sheldon
Maggie Tam
Danielle VandeBerg
Crystal Winters
Sarah Wysoski

Front row: Anthony Kalscheur, Britta Binek, Melissa Piske, Sarah Wysoski, Ariane Fredrickson, Diana Cloud, students
Back row: Maggie Tam, Crystal Winters, Danielle VandeBerg, Julie Loscheider, Leah Sheldon, Collin Arnett, students; Bob Adams, associate professor of orthopedics, College of Medicine; Rachel Hansen, student
Physician Assistant Fellowship
Hospital Internal Medicine

Program Update

The Physician Assistant Fellowship in Hospital Internal Medicine, offered at Mayo Clinic’s Arizona campus, expanded from one to two physician assistant (PA) fellows this year. In addition to the rigorous curriculum, both fellows engaged in many scholarly activities, including presenting at Hospital Internal Medicine Division journal clubs and the PA/Nurse Practitioner Grand Rounds.

Other projects included a quality improvement research project on “Care of Acute Pain Crisis in Cancer Patients.”

Class Notes

Kristin Lindaman
Physician assistant
Division of Hospital Medicine
Mayo Clinic
Phoenix, Ariz.

Hillary Krueger
Pursuing a hospitalist PA position in Seattle, Wash.

Kristin Lindaman is presented with her diploma by Catherine Roberts, MD, MSHS associate dean.

Hillary Krueger accepts her diploma from Catherine Roberts, MD, MSHS associate dean.
Physician Assistant Fellowship
Otolaryngology/Head and Neck Surgery

Program Update

MSHS offers a 12-month post-graduate Physician Assistant Fellowship in Otolaryngology/Head and Neck Surgery at Mayo Clinic’s Arizona campus. This is the only fellowship offered in the United States for physician assistants who wish to specialize in otolaryngology. One applicant is accepted each year.

The awarded fellow receives clinical and surgical experience focusing on advancements in patient care, education and research. This opportunity equips the graduate physician assistant with the skills necessary to provide the highest quality care to patients with a diverse array of ailments in the field of otolaryngology. Throughout the year, the physician assistant fellow engages in didactic courses, journal club discussions, research-based compositions, outpatient medicine, hospital-based medicine and surgical practices.

Class Notes

Jaime Matthaeus, PA-C, completed her fellowship in September 2011. She excelled in all aspects of her training and developed a special interest in head and neck surgery. She quickly became a member of the team, working well with physicians, resident physicians and the nursing staff. Matthaeus also devoted her time to teaching by working with rotating PA students from local programs. She was knowledgeable, reliable and compassionate. Upon graduation, she joined Otolaryngology/Head and Neck Surgery on Mayo Clinic’s Arizona campus.
Radiation Therapy

Program Update

The Radiation Therapy Class of 2011 received MSHS certificates on Aug. 17, 2011. This class was the 31st to graduate from the Radiation Therapy Program.

With Distinction

All members of the Class of 2011 graduated with distinction completing the program with a grade point average of greater than 3.7. Ashley Geissler was recognized for achieving a perfect 4.0 GPA. Jeff Kuball, CMD, RTT, clinical faculty and MSHS alumnus Class of 1993, received the Clinical Educator Award. Carolyn Schultz, RN, oncology nurse, received the Didactic Faculty Award.

Class Notes

Anna Carlton
Newport, Minn.

Ashley Geissler
Mayo Clinic Health System
Mankato, Minn.

Brittany Shipman
Byron, Minn.

Jaimee Sullivan
St. Vincent Hospital
Green Bay, Wis.

Amanda Wiersema
Mayo Clinic Health System
Mankato, Minn.
Radiography Internship — Arizona

**Program Update**

The Arizona Radiography Internship, Class of 2011, celebrated commencement on May 13 at the North Phoenix Baptist Church. This internship, in affiliation with the Medical Radiography Program at Gateway Community College, Phoenix, is in its ninth year at Mayo Clinic’s Arizona campus. Students also were honored at an awards banquet at the Doubletree Resort on May 7 and at the MSHS graduation ceremony on June 8.

**With Distinction**

**Melissa Francosa** served as co-president of the Student Association of Radiologic Technologists (StART) Club for the Class of 2011 and was honored at the annual awards banquet for her outstanding leadership and participation in the club’s service projects.

**Tracy Walsh** received the Faculty Award, honoring a student who has shown outstanding effort and attitude in the classroom.

**Melessia Wheat, RT(R),** received the Clinical Radiographer of the Year Award for her outstanding dedication and commitment to teaching students in the clinical setting.

**Class Notes**

**Melissa Francosa**
Mayo Clinic Hospital
Phoenix, Ariz.

**Tracy Walsh**
Phoenix, Ariz.

*Tracy Walsh, Melissa Francosa, students*
Radiography — Florida

Program Update

The entire class passed the certifying exam given by the American Registry of Radiologic Technology. The Florida program has maintained a 100 percent pass rate for all graduating classes. This is the 10th graduating class.

The medical advisor for the program is Jeffrey Peterson, MD. The program director is Stan Olejniczak, MS, RT(R). Clinical coordinator is Sharon Jacoby, RT(R).

With Distinction

LaRissa Adams won the Award for Radiography Student Excellence. Michelle Fugate, RT(R), won the Outstanding Clinical Educator award. Francis St. George was presented the Program Director’s Award.

Sharon Jacoby presented a poster, “Education on the Go,” at the Association of Schools of Allied Health Professions Annual Conference in Scottsdale, Ariz., in October.

Class Notes

Mayo Clinic, Jacksonville, Fla.

LaRissa Adams  Interventional Radiology
Aaron Delaney  Interventional Radiology
Samantha Hechler  Diagnostic Radiology

Other

Jordan Carrell  Atlantic Beach, Fla.
Veronica Foreacre  Jacksonville, Fla.

Front row: Stan Olejniczak, program director; Jeffrey Peterson, MD, medical advisor; Sharon Jacoby, clinical instructor
Back row: LaRissa Adams, Jordan Carrell, Aaron Delaney, Veronica Foreacre, Samantha Hechler, students
Radiography — Rochester

Program Update

After 30 years of service to Mayo Clinic, 19 of those years with the Radiography Program and 10 as the program director, Beverly Tupper retired in June 2011. Her knowledge and expertise provided students with the many skills needed to succeed in the profession.

Jill Anderson is the new program director. Jill has 14 years experience working in radiology in a variety of positions including radiologic technologist, lead CT technologist, and most recently as the program director for Avera McKenna School of Radiologic Technology in Sioux Falls, S.D.

With Distinction

Kevin Seisler, RT(R), former graduate of the program and education coordinator for the Department of Radiology, gave the commencement address at the Aug. 12 ceremony.

Susan Clausen, AS, RT(R)(M), clinical instructor, was moderator.

Timothy Klay, RT(R), and Christopher Knoepke, RT(R), were honored as Outstanding Clinical Educators.

Maria Gangelhoff was named Outstanding Academic Student.

Sarah Nasset was recognized as Outstanding Clinical Student.

Laura Hansen was presented with an award for Outstanding Student Achievement.

Certificates of Recognition for outstanding academic performance (4.0 grade point average) were presented to: Maria Gangelhoff, Laura Hansen, Kaylen Hunter, Amy Nordstrom and Shannon Walsh.

Certificates of Excellence for promoting the profession were presented to:

Chelsey Ashmore, RT in D.C. event, student advocate

Laura Hansen and Kaylen Hunter, 2011 American Society of Radiologic Technologists (ASRT) student interns

Sarah Nasset, 2011 ASRT alternate student intern

Gueorgui Petkov, first place winner in the 2011 Minnesota Society of Radiologic Technologists Student Bowl

Class Notes

Chelsey Ashmore Clear Lake, Minn.

Brettiney Borowski Glenavon, Saskatchewan

Maria Gangelhoff Sleepy Eye, Minn.

Kirsten Goeringer Bell Fourche, S.D.

Laura Hansen Rochester, Minn.

Kaylen Hunter Prior Lake, Minn.

Amy Nordstrom Baudette, Minn.

Brittney Klappe Dawson, N.D.

Lindsey Kurtz Echo, Minn.

Diana Leitzen Houston, Minn.

Alexandra Linde Apple Valley, Minn.

Nicole Loge Byron, Minn.

Sarah Nasset Regent, N.D.

Amber O’Connell Dexter, Minn.

Gueorgui Petkov Winona, Minn.

Jacqueline Quistorff Sauk Centre, Minn.

Teresa Slick Baudette, Minn.

Hillary Tullius Fountain City, Wis.

Shannon Walsh Rochester, Minn.
Front row: Brittney Kleppe, Maria Gangelhoff, Kirsten Goeringer, Gueorgui Petkov, Sarah Nasset, Kaylen Hunter, students
Second row: Teresa Slick, Amber O’Connell, Laura Hansen, Hillary Tullius, Diana Leitzen, Shannon Walsh, students
Back row: Brettiney Borowski, Alexandra Linde, Lindsey Kurtz, Chelsey Ashmore, Nicole Loge, Jacqueline Quistorff, Amy Nordstrom, students
Program Update

The first class was admitted into the new Bachelor of Science in Health Professions (BSHP) – Respiratory Care Program. The BSHP is an educational collaboration between the University of Minnesota Rochester and the MSHS.

With Distinction

Greg Anderson, Kristin Fields, Stephanie Kern and Nicole Berg won the Minnesota Student Knowledge Bowl competition and competed against teams from other states in November at the International Respiratory Congresses in Tampa Bay.

Kristin Fields, Brianna Kaczmarek and Constance Teo were University of Minnesota graduates “with distinction.”

Brianna Kaczmarek, Mohamed Said and Ahmed Ali were University of Minnesota Rochester scholarship recipients.

Brianna Kaczmarek was the recipient of the H.F. Helmholtz Jr. Scholarship and Gerald K. Dolan Memorial Scholarship.

Class Notes

Students who graduated from the Respiratory Care Program in 2011:

Mayo Clinic, Rochester, Minn.

Afiye Abdulle Mayo Clinic
Ahmed Ali Mayo Clinic
Greg Anderson Mayo Clinic
Nicole Berg Mayo Clinic
Kristin Fields Mayo Clinic
Stephanie Kern Mayo Clinic
Mohamed Said Mayo Clinic

Other

Gemechis Daba Fairview Southdale Hospital Edina, Minn.

Brianna Kaczmarek Pediatric Home Services Roseville, Minn.

Constance Teo Singapore General Hospital Singapore

Front row: Kristin Fields, Nicole Berg, Mohamed Said, Gemechis Daba, Constance Teo, students
Sonography

Program Update

The graduation ceremony for MSHS Sonography Program, Class of 2011, was May 25, 2011, in Phillips Hall, on Mayo Clinic’s Rochester campus with a live video connection to Walker Auditorium in Jacksonville, Fla. Family friends, mentors and colleagues shared in the celebration of success.

With Distinction

Congratulations to Crystal Koski, recipient of the Outstanding Student Achievement Award. Kudos to these sonographers and vascular technologists who were recognized for outstanding clinical education: Kathleen Rinnhofer, RVT, RDMS, Tracy Haefner, RVT, RDMS, Darren Hooley, and Allan Neis, RVT, RDMS, in Rochester; and Carrie Sanftner, RDMS, in Florida.

Class Notes

Students who completed the Sonography Program in 2011:

Mayo Clinic, Rochester, Minn.

Whitney Downie
Matthew Herz
Crystal Koski

Mayo Clinic, Jacksonville, Fla.

Danicia Asberry
Erin Morris

Mayo Clinic Health System

Lori Hellermann La Crosse, Wis.

Other

Helen Harvey Employed in Sioux City, Iowa
Bryn Jensen Employed in Sturgeon Bay, Wis.
Emily Proffitt Employed in Cedar Rapids, Iowa
Florida
Students Danicia Asberry, left, and Erin Morris, right, with Francis St. George, Jacksonville program coordinator

Minnesota
Front row: Diane Youngs, program director; Douglas (Rusty) Brown, MD, medical director; Rebecca Madery, academic coordinator; Catherine Fuhs, clinical coordinator
Back row: Emily Proffitt, Helen Harvey, Crystal Koski, Whitney Downie, Matthew Herz, Lori Hellermann and Bryn Jensen, students
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We welcome alumni and student news

Your comments, academic and career news, and story ideas are welcome. Send to: Editor, Connections / Mayo Clinic / Ozmun East 6 / 200 First St. S.W. / Rochester, MN 55905 / E-mail: connectionsmageditor@mayo.edu

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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.

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Making social media practical
Learn how at the MSHS Alumni Association Annual Meeting

From blogs to Facebook to Twitter to YouTube, the power of worldwide broadcasting and publishing is now available to anyone. The new media aren’t simply toys; they can be used creatively to accomplish organizational objectives.

Lee Aase, director of the Mayo Clinic Center for Social Media, will share how Mayo progressed from traditional media relations to direct-to-consumer news delivery to conversational marketing, giving patients a platform for their stories. He also will describe the rapid growth of the Mayo-sponsored Social Media Health Network, a global gathering of organizations using social media to promote health, improve health care and fight disease.

The event is free for MSHS alumni. Register at www.mayo.edu/alumni