Too often, I am faced with conflicting emotions. Part of me is whining about an everyday “problem” and another part of me realizes how fortunate I am. Mostly my problems are small and insignificant — traffic jams, what could improve about my job and all the tiny interferences in the daily routine. Then I look around and see people dealing with disease and their own mortality with overwhelming grace and strength.

This contrast was clarified as I read the articles in this edition of Connections. The stories represent so many new practitioners who have invested time and resources in their vision to help others. Proudly, we all graduate and step into our profession with great hope. Yes, you will face difficulties and disappointments. Dr. Bender’s column acknowledges the reality of the job market. In spite of the best training, positions are not always where we want them when we are available. The imperfections of life interfere with our plans constantly — we forget things; people reacting inconsistently; a pat on the back that is not received.

I remember why I chose to practice in health care. It was not only the science or the wonders of medicine. As a pharmacist, my greatest motivator is the realization that I can help patients and families gain knowledge and strength to deal with the hand they have been dealt. Every time I am given the opportunity to do this, my patients teach me a lesson about facing truly challenging or even insurmountable events.

That is a lesson for all — understand how powerful you are.

By virtue of your training and the choice you have made to help others, you have the ability to make tremendous positive impacts on the lives of others. You touch them with your medical skill and your compassion. Sometimes, all it takes is just listening. You give them information and comfort that guides them to the next steps of their lives.

Pretty powerful stuff. Be proud.

Caren Hughes, PharmD, president
Mayo School of Health Sciences
Alumni Association
Clinical pharmacy specialist
The University of Texas MD Anderson Cancer Center

ON THE COVER
Graduates from the Arizona campus of MSHS are Jaclyn Maertz, RN, Perioperative Nursing Fellowship, 2011; Jose Ortiz, Radiography Internship, 2012; and Norria Brice, Cardiology Nurse Practitioner Fellowship, 2012.
**Physical Therapy marks 75 years**

Peggy Wolfe, class of 1941 and guest speaker at the anniversary celebration, shared stories about the importance of physical therapy during World War II.
Celebrating 75 years of Physical Therapy education

Mayo Clinic welcomed its first class to the Physical Therapy Program in 1937 and in two years trained students to provide treatments prescribed by a physician.

In May 2012, graduates of the three-year program received a doctor of physical therapy, indicating they are qualified to diagnose and treat patients.

Much has changed, and the Physical Therapy Program, which recently celebrated its 75th anniversary, has adapted over time.

“We try to make sure the education is sufficient to meet the evolution of the profession,” says John Hollman, PT, PhD, Physical Therapy Program director. “The coursework reflects what tomorrow’s physical therapists might face versus what they faced yesterday.”

Mayo Clinic was one of the first 10 institutions in the United States to start a physical therapy program. Consistently, 95 percent or more of MSHS Physical Therapy graduates pass the licensure exam on their first try. “I’d match our students’ success against any other program in the country,” Hollman says. “There has never been a graduate of this program who attempted the licensure exam and didn’t eventually pass it, and that goes back to our first class.”

In the 1930s, physical therapy was considered an advanced part of nursing. When Mayo Clinic started its postbaccalaureate Physical Therapy Program, enrollment was limited to registered nurses and those with a degree in physical education.

The program upgraded to a master’s degree in 1989 to meet the profession’s evolving expectations of academic programs. The curriculum changed little because it was already at a master’s level.

MSHS established the program when upgrading to a doctorate in 2007. The curriculum restructured and expanded to three years.

The program continues to emphasize clinical experience — 53 weeks versus a national average of 36 weeks.

“The hallmark of the Mayo program is that our students get more time in the clinical environment,” says Hollman, a 1994 graduate of the program. “We are very integrated with Physical Medicine and Rehabilitation at Mayo Clinic. That attracts a lot of students.”

Physical therapists today commonly see patients with musculoskeletal, neuromuscular, cardiovascular/pulmonary and integumentary system injuries and conditions. The responsibilities of therapists to serve those patients have grown over time. For example, today’s students must learn to distinguish which symptoms have a musculoskeletal cause and which don’t. They also need to be prepared to see patients not previously screened by other health care professionals.

Physical Therapy at a glance

- **Longevity:** One of the first 10 physical therapy education programs in the United States
- **Faculty:** 8
- **Graduates:** 2,442 in all 50 states and many countries
- **Average class size:** 28
- **Degree:** Doctor of Physical Therapy (DPT)
- **All-time pass rate:** 100 percent. Every graduate who ever took the licensure exam eventually passed.
- **Recent first-try pass rate:** 99 percent in the past three years passed on the first try versus national average of 89 percent
- **Job placement rate:** 100 percent in the past three years
Peggy Hall and classmates were studying for Physical Therapy finals in Rochester, Minn., when they turned on the radio and heard the announcement that Japan had attacked Pearl Harbor. The date was Dec. 7, 1941.

“We vaguely knew where Hawaii was, but we had no idea where Pearl Harbor was,” she recalls. “We knew we would be in for something, but we were focused on Europe.”

The United States declared war on Japan the next day, while Hall took her finals. Three days later, Germany declared war on the United States. The next month, Hall started her practical training at a Fitzsimons Army Hospital in Denver, where the patients included survivors from Pearl Harbor.

“I felt I had been well trained by Mayo Clinic,” she said more than 70 years later to an audience attending the 75th anniversary dinner for the Physical Therapy program. “I spent the rest of my life as a physical therapist.”

The anniversary motivated Peggy Wolfe, PT, who married after World War II, to return to Rochester for the first time since January 1942.

“I thought I’d like to go back and take a look,” she says. Only the Plummer Building and Saint Marys Hospital looked familiar. “The last picture in The Brothers Mayo book is the campus as I knew it.”

A longtime member of the alumni association, Wolfe, 93, was happy to share her memories and honored to speak to alumni.

“I had a wonderful time,” she says. “I was treated like royalty.”

In the spring of 1941, Hall, a senior in biology at Carleton College in Northfield, Minn., attended a campus job fair, where Mayo Clinic was recruiting students for its Physical Therapy Program because American soldiers in the impending war would need treatment for injuries.

“That was the first time I had heard of physical therapy,” she says. “I wanted to do something in the medical field. I had a couple of friends who had polio, so I was intrigued with people who had limb problems.”

Shortly after graduation, Hall moved to Rochester to join the Physical Therapy Program’s 1941 Emergency Class, which condensed one year of education into six months. She attended class from 8 a.m. to 6 p.m. on weekdays plus five hours on Saturdays.

“We spent a lot of time learning...
range of motion,” Hall recalls. “Massage was a big part of our training. We used massage on almost every patient.”

After six months of training at Fitzsimons Army Hospital, Hall received certification as a physical therapy technician. She stayed there another six months and in January 1943 was sent to an Army Air Corps Hospital in Spokane, Wash., where B-17 bomber crews trained.

Hall was a civilian employee of the U.S. military until July 1943. When Congress established the Women’s Army Corps, she joined the Army and became 2nd Lt. Peggy Hall. The number of physical therapists in the Army during World War II eventually swelled to about 1,000, she says. Throughout the war, she mainly treated patients recovering from fractures.

Hall was promoted to first lieutenant in February 1944. The next month, she was ordered to an orthopedic and burn center about 90 miles west of London. She eventually was named physical therapy coordinator for 17 hospitals totaling nearly 25,000 beds. After the war, she was discharged and worked at the Veterans Administration Hospital in Minneapolis. She soon married Don Wolfe, and they moved to Green Bay, Wis., in 1953.

Wolfe stayed at home for 14 years to raise a son and a daughter. She returned to work for another 25 years, eventually becoming director of the physical therapy department at St. Mary’s Hospital in Green Bay. A member of the American Physical Therapy Association since 1943, Wolfe also served on the Wisconsin state licensing board for six years. “I’ve always been pleased I could help people throughout my career,” says Wolfe.

PT Alumni build connections

The Mayo Clinic Physical Therapy Alumni Association (MCPTAA) is striving to provide more value to members. Long known for organizing two continuing education conferences each year, the association also publishes a newsletter and planned the events for the program’s 75th anniversary.

MCPTAA President Bart Hanson says the association is working to strengthen professional and personal connections for alumni, students, faculty and staff by:

• Starting an ambassador program, now with a network of 23 graduating-class representatives to foster relationships among classmates
• Evaluating continuing education conferences to meet the needs of the alumni
• Encouraging reunions for individual classes
• Making more use of social media
• Creating more networking opportunities for students
• Compiling accurate contact information in its database of graduates

FOR MORE INFORMATION:
Visit mcptaa.org, or contact Hanson, a 2001 graduate and a staff physical therapist at Mayo Clinic, hanson.bart@mayo.edu, 507-990-1234.
Recreational Therapy Internship

Preparing caregivers who will help patients see beyond their diagnosis

Mia Welch was just 21 when doctors told her she had congestive heart failure and would need a heart transplant. The news that a virus had attacked her heart shocked the previously healthy college student, who had recently been accepted into her school’s dance company. Almost overnight, Welch went from dancing several hours a day to being bedridden.

At Mayo Clinic, Welch had a team of health care providers dedicated to doing everything they could to ensure her survival. That team also included Carol Graziano, a recreational therapist who was looking past Welch’s survival and all the way to her return to the dance floor.

“Recreation therapists work with patients to get them back to the things they liked to do before their injury or illness,” says Graziano. “Reconnecting patients to what they enjoy doing can help their recovery by boosting their physical and mental health.”

Graziano is also director of the MSHS Recreational Therapy Internship in Arizona, which accepts up to two students each year for a 14-week, hands-on experience. Interns work beside Graziano to learn how to assess and develop treatment plans. Rochester also offers a Recreational Therapy Internship.

“We help motivate patients to get to the next level of their recovery,” says Graziano. “It can be hard for patients to manage their mental states and stay motivated, especially for patients facing a long-term hospital stay.”

More than just fun and games, recreational therapy can lead to improved patient outcomes. Graziano recently completed research documenting the impact recreational therapy had on Welch, who was dependent on a total artificial heart while she waited for a transplant.

“Mia was very anxious about her future,” says Graziano. “She was fearful that she wouldn’t be able to dance or exercise again.”

Graziano and her colleague, Bernadette Kauffman, an occupational therapist, decided to try easing Welch back into dancing through playing a computerized dance and gaming program.

Welch responded well, playing the game more often and for longer periods over several weeks. As her playing time increased, so did her standing tolerance and coordination. She also reported reduced stress levels after each session, which helped her transition successfully to a portable artificial heart in December 2011 and a donor heart in March 2012. Today, Welch is home and doing well.

Recreational Therapy Intern: Antoinette Fisher

Antoinette Fisher (formerly Robertson) completed a Recreational Therapy Internship in Arizona in 2012 and is working as a recreational therapist in behavioral health at Banner Thunderbird Medical Center in Glendale, Ariz.

“One of the things I enjoyed most about my internship was learning how to remind patients that they aren’t their illness or disease,” says Fisher. “It’s rewarding to help people remember that they are more than the sum of their problems.”

Dancing helped Mia Welch improve standing tolerance and coordination. She used a portable artificial heart while waiting for a heart transplant.
Many teenagers’ knowledge of health care careers is pretty limited. “The average high school student only knows of about 70 careers total,” says Ruth Baires Raihle, MSHS operations manager and diversity programs manager. “In health care, they usually know two: doctor and nurse. We need to show them there is much more to medicine.”

Mayo Clinic in Rochester has started a program showcasing radiology. The Imaging Careers and Networking Program, or ICAN, gives students a chance to learn about medical imaging careers, while also showing them paths they could take to make one their own career.

Fresh approach
The idea for ICAN came from within Radiology as a way to recruit a diverse range of qualified applicants to its MSHS programs. ICAN participants must be ethnically diverse high school students who have completed their junior year and are high scholastic achievers.

“Each of MSHS’s programs has been encouraged to think about what they can do to increase diversity in their programs,” says Baires Raihle. “ICAN is a creative and bold part of that effort in Radiology.”

Kevin Seisler, Radiology’s education coordinator, traveled to high schools around Minnesota to educate students and staff about imaging careers and encourage juniors to apply to the first ICAN program. The result was that seven students arrived in Rochester on July 16 ready for five days of immersion in the Department of Radiology.

“The goal was teaching them about careers, but we wanted to make it fun, too,” says Seisler.

A look inside
ICAN participants visited clinical settings throughout Mayo Clinic. They toured inpatient and outpatient imaging areas and looked on as Radiology staff performed PET scans, nuclear imaging tests, magnetic resonance imaging scans, ultrasounds and computerized tomography scans. For fun, there were dinners out, a trolley tour of Rochester and visits to a downtown market and music festival.

To emphasize how ICAN participants could attain radiology careers, staff and current students provided an overview of MSHS’s imaging programs, including the Bachelor of Science in Health Professions Radiography Program offered as an educational collaboration between MSHS and the University of Minnesota Rochester.

“Getting them to the clinic to see the inner workings of this field and our school showed these students they have a real opportunity to come to Mayo Clinic and be part of it,” says Seisler. “It’s so important to show students in a concrete way all that’s open to them in medicine.”
Seeking outstanding alumni

Alumni Association recognizes career and community accomplishments

MSHS Alumni Association is seeking nominations for the 2013 Recognition of Outstanding Contribution award. The Alumni Association will consider graduates who are:

- Dedicated to the 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 the MSHS Alumni Association

Self nominations are encouraged. More information and the nomination form are available at http://www.mayo.edu/alumni/ This recognition will be presented at the April 26, 2013, at the Alumni Association annual meeting. Travel expenses will be covered for the recipient.

Nomination deadline: Jan. 31, 2013

Get involved!
Applications due for the MSHS Alumni Association Board

The MSHS Alumni Association Board of Directors welcomes new members every year.

To be considered for service, submit a letter indicating your interest by April 1, 2013. Applications will be reviewed by a nominating committee to ensure a broad representation of MSHS programs.

Board terms are three years. Board members are invited to Mayo Clinic in Rochester each spring for the Alumni Association annual meeting. Travel expenses are reimbursed.

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

For information:
Judith Anderson, interim director
Alumni Relations
507-284-2317 | mshsa@mayo.edu
Bernard Lee, PharmD, BCPS, PGY-1 Pharmacy Residency program director at Mayo Eugenio Litta Children’s Hospital, says research provides residents with the responsibility of a long-term project, teaches the fundamentals of basic scientific clinical research and familiarizes them with the foundations of evidence-based medicine. The Pharmacy Research Committee, comprised of past mentors and preceptors, provides guidance through the initial steps of developing the research concept and encourages inquiry into areas that are novel and worthwhile.

“We want their time to be spent on topics that are worthy of publication, contribute to the scientific body of literature and give them professional recognition for their findings,” says Lee. “It takes a village to get the research projects off the ground because it is our belief that the entire community should benefit.”

Connections highlights three of the pharmacy residency research projects from among the 11 at the Mayo School of Health Sciences Rochester campus.

Bernard Lee, PharmD, BCPS, is the PGY-1 Pharmacy Residency program director at Mayo Eugenio Litta Children’s Hospital.
A potassium level that is too high or too low can affect cardiac, neuromuscular and renal functioning. Maintaining an optimal potassium level postoperatively, then, is particularly important. Hypokalemia (low potassium) is a reported condition in orthotopic liver transplant patients, but biomedical literature lacks data on the phenomenon among pediatric patients.

Ebony Ayres, PharmD, a clinical pharmacist at Johns Hopkins Children’s Center in Baltimore, studied potassium deficiency and supplementation in pediatric orthotopic liver transplant patients during her pharmacy residency at MSHS in Rochester.

The retrospective study analyzed serum potassium concentrations and potassium supplementation in 60 patients who had transplant procedures between 1985 and 2011. Approximately 50 percent of the pediatric patients had hypokalemia within the first three postoperative days and required supplementation. The highest incidence of decreased potassium occurred within the first 72 hours post-transplantation, and the age group most in need of supplementation was less than 1 year old.

Ayres says her research, which is being prepared for publication in a major pediatric transplant journal, indicates a closer look at anticipating supplemental potassium needs in pediatric liver transplant patients, especially infants.

“We do not yet know if hypokalemia contributes to postoperative complications, but we do know it is important to prevent electrolyte disturbances to optimize health,” she says. “Further research is needed to examine morbidity and mortality due to hypokalemia. In the meantime, it may be appropriate to consider preemptive supplementation.”

Preemptive potassium supplement may be appropriate

About half of pediatric liver transplant patients had low levels of potassium within 72 hours after surgery. Low potassium can affect functioning, including cardiac. Most affected among the pediatric patients were infants. It may be appropriate to consider pre-emptive potassium supplementation to maintain electrolyte balance.
Why don’t patients take their medications? How can health care providers identify the at-risk patients and work with them to improve compliance?

Jordan Haag, PharmD, set out to answer these questions during his primary care-focused pharmacy residency in Rochester. He completed a retrospective sub-analysis of a previously conducted survey of Mayo Clinic Health System patients. The survey included questions from three standard assessment tools — the Patient Activation Measure (PAM), Patient Assessment of Chronic Illness Care (PACIC) and Self-Rated Health (SRH).

Haag analyzed the association between the assessments and adherence to oral diabetes medication. He determined that two of the assessment tools did not have a significant association with medication adherence. The PAM, however, did.

The PAM categorizes patients into four levels of engagement — from those who are predisposed to be passive recipients of health care to those who are able to maintain healthy behaviors in the face of stress or change.

The PAM examines patients’ self-reported beliefs on statements including:
- I am the person who is responsible for taking care of my health.
- I know what each of my prescribed medications does.
- I am confident I can follow through on medical treatments I may need to do at home.
- I know what treatments are available for my health problems.

“Ideally, we would focus resources on patients who are at risk for medication nonadherence rather than take a one-size-fits-all approach to patient care,” says Haag, who is completing a postgraduate (year two) pharmacotherapy residency. “Providers should recognize that patients’ beliefs about health care may affect their adherence to prescribed medications. This research indicates that the PAM may be useful to identify patients who need extra help.”

In the survey, 75.1 percent of patients who were prescribed oral diabetes medication were identified as adherent, and 24.9 percent were not adherent. The patients with the lowest level of activation, or engagement, on the PAM were 62 percent less likely to be adherent with medications than those with the highest level of activation.

Haag’s research is being prepared for submission to a biomedical journal.

Tool shows risk for medication noncompliance

The Patient Activation Measure (PAM) may be an effective tool for identifying patients at risk for noncompliance with medication. This information can help providers focus resources on these patients to improve their health and control health care costs.
As a pharmacy student on rotation in an intensive care unit, David Leedahl, PharmD, was intrigued by septic shock and its treatment. During his pharmacy residency at MSHS in Rochester, he decided to explore the topic for his research project.

His mentor and program director, Garrett Schramm, PharmD, has published several articles about septic shock and antibiotic therapy. “His interest in this area was contagious,” says Leedahl.

Leedahl conducted a retrospective study to identify predictors of mortality among adult intensive care unit (ICU) patients who had appropriate antimicrobial therapy for severe sepsis or septic shock. Of the 243 patients studied, 63 died in the hospital. Leedahl looked at factors including medications, infecting organisms and laboratory findings to identify any commonalities among the non-survivors.

“Globally, one-third to one-half of ICU patients with septic shock do not survive, and the rate of septic shock in ICUs is increasing,” he says. “It is important to determine which factors may be modifiable so we can improve the mortality rate and possibly make changes to care guidelines.”

His analysis identified several factors as potentially modifiable predictors of mortality — the antibiotics cefepime and metronidazole, and continuous renal replacement therapy (CRRT) initiated within 48 hours of onset of septic shock recognition.

According to Leedahl, CRRT as a treatment modality used in the early phase of sepsis has been associated with some controversy, but the two antibiotics have not been previously identified as problematic treatments for septic shock.

“We are hoping this finding triggers more research to determine if these treatments contribute to mortality among this patient population,” he says. Leedahl’s research is under consideration for publication in a journal.

Leedahl is completing a second postgraduate residency in critical care pharmacy and hopes to work as a clinical pharmacist in an ICU setting. He plans to continue working in research and quality improvement.

**Antibiotic combination, renal replacement therapy may contribute to sepsis mortality**

ICU patients hospitalized for severe sepsis or septic shock have a high mortality rate. Identifying modifiable factors in their care would affect outcomes. The antibiotics cefepime and metronidazole as well as continuous renal replacement therapy initiated within 48 hours of onset of septic shock may be modifiable factors.
2011–2012: A year of NEW opportunities

1,592 MSHS students were enrolled in 139 programs. This year’s students benefited from new offerings, new degree options and new ways of learning.

Blended learning pilot
Beginning in fall 2012, MSHS is piloting a blended learning approach in three programs — Histology Technician, Clinical Neurophysiology Technology and Phlebotomy Technician. This pilot involves studying and implementing the most effective combination of online and traditional in-class instruction. The pilot is possible thanks to a $1 million gift from an anonymous MSHS benefactor.

Bachelor’s degree programs in Sonography and Radiography
New baccalaureate degree programs began for Sonography and Radiography. Students in these programs receive a Bachelor of Science in Health Professions (BSHP) degree from the University of Minnesota Rochester (UMR) and a certificate from MSHS. Last year, the BSHP program kicked off with programs in Respiratory Care and Echocardiography. The program is possible due to the close collaboration between MSHS and UMR. The degrees in the program are intended to be completed in four years, with students admitted in their junior year. Prerequisite classes can be taken at UMR or another accredited college or university.

2012 enrollment in these programs (including UMR and students from other schools):
- Radiology 19
- Sonography 10
- Echocardiography 9
- Respiratory Care 11
Specialized PT residency
Mayo Clinic in Arizona introduced a Physical Therapy Geriatric Residency Program in September — the first specialized PT residency at Mayo Clinic. The yearlong post-professional program is open to one resident, who will have three clinical rotations — acute care, outpatient and post-acute rehabilitation, and skilled nursing/home care.

Edith Graham Mayo Society
In April, MSHS introduced a new philanthropic recognition society, the Edith Graham Mayo Society, to recognize alumni benefactors. Donors of $1,000 or more receive membership in the society. More than 115 MSHS alumni have achieved this level and are helping to advance Mayo’s mission. The society is named for Edith Graham Mayo, the first professionally educated nurse in Rochester, Minn., the first nurse anesthetist at Mayo Clinic, and the wife of Charles Mayo, MD.

First Rochester student Poster and Presentation Event
Students and faculty showcased programs and research accomplishments at the first annual Poster and Presentation Event in Rochester in March. More than two dozen posters were featured. Education in Arizona already hosts an annual poster event that includes MSHS.

New education leadership
Mark Warner, MD, was named executive dean for Education in August, responsible for creating and implementing an educational tactical plan that ensures excellence and innovation in scholarly activity in alignment with Mayo Clinic’s strategic and operating plans. Dr. Warner succeeds Terrence Cascino, MD.

Career-enhancing opportunities
MSHS added professional enhancement courses to offer specialized, advanced knowledge or skills to practicing allied health professionals. The first five courses are Hospital-Based Massage Therapy; Wellness Coach Training; Diabetes Intensive Training; FISH: Techniques and Utilization in Cytopathology; and Attention and Interpretation Therapy. Courses use an online training tool so professionals can study when their schedules permit.

Interprofessional learning
Mayo Clinic is known for its multidisciplinary care, and MSHS is exploring ways for students to learn in multidisciplinary settings. This concept of team learning is called interprofessional education, and it is a new priority for MSHS. Physical therapy students are taking gross
anatomy with medical students. Nurse practitioner and physician assistant students are learning casting and suturing together. And all MSHS students are taking a course in professionalism. With the broad and deep education offerings at MSHS and other schools in the College of Medicine, the opportunities for team learning abound.

**Surgical First Assistant Program**
MSHS introduced a new Surgical First Assistant Program in 2012. Students can complete the necessary coursework at MSHS and clinical experience at Mayo Clinic in Rochester. Students in the program have access to Mayo Clinic’s anatomy lab for hands-on experience with human anatomy before ever entering an operating room. Students also will learn in Mayo Clinic’s Multidisciplinary Simulation Center.

**Library remodel**
The Venables Health Sciences Library on the Rochester campus, which serves MSHS students, was remodeled over the summer. The library, on the 10th floor of the Siebens Medical Education Building, now features 22 computers (up from 12), two study rooms, and 24/7 keycard access for students and faculty.

**New programs planned for Florida**
MSHS completed planning for two programs that will commence in 2013 on the Florida campus:
- The Medical Physics Program will provide yearlong clinical rotations for fourth-year medical physics doctorate students from Vanderbilt University in Nashville, Tenn. This will be the first MSHS doctoral-
Allied health education produces job-ready graduates

Congratulations to the class of 2012. As you can see from browsing Connections, most of the MSHS graduates have found jobs in their field of study. Job readiness is truly one of the benefits of allied health education. You have obtained the highest quality education and training. You are well prepared to do your job on the first day. That’s not always the case with postsecondary education.

Even with excellent allied health training, not all of our graduates are finding jobs easily. If jobs are tight now, know that it will change. I started the MSHS Radiography Program more than 30 years ago. In that time, I’ve seen the number of radiography jobs pendulum swing four times — from many job openings to limited job openings. It’s just the way health care employment goes.

I encourage all graduates to persevere, especially when finding employment is taking longer than you expected. You have the skills to work at Mayo Clinic or anywhere.

Claire Bender, MD
Dean, Mayo School of Health Sciences

“You have obtained the highest quality education and training. You are well prepared to do your job on the first day.”

level clinical rotation for Medical Physics students.
• The Clinical Pastoral Education Program teaches clinical caregivers the skills to address the existential, spiritual and religious concerns of patients and their loved ones. The program, accredited by the Association of Clinical Pastoral Education, will include a 10-week summer program as well as a 36-week option.

Traditionally, CPE is the professional clinical training for chaplains, pastors and pastoral counselors but can include allied health staff, physicians, nurses and other professionals who want to learn to do spiritual assessment or hone their communication skills.

The Rochester campus also offers a CPE program.
Audiology Externship — Arizona

Program Update

Two students completed clinical fellowships as part of their doctor of audiology training. Their clinical rotations were focused in the areas of cochlear implants, vestibular testing, hearing aids, and diagnostic testing. In addition, they participated in research projects that resulted in presentations at national audiology conferences.

With Distinction

Sarah Oakley, AuD, CCC-A, Audiology education coordinator and MSHS graduate, was honored with the 2012 Distinguished Allied Health Educator of the Year Award.

Class Notes and Employment

Lisa Huston
Clinical audiologist
Entegrity Ear, Nose and Throat Specialists
Phoenix, Ariz.

Julia Rainsford
Clinical audiologist
Main Line Audiology

Lisa Huston, Julia Rainsford, students
Audiology Externship — Rochester

Program Update

The Audiology Externship marked its seventh year. For the first time, a dedicated rotation in Pediatric Audiology was planned and implemented.

Douglas Sladen, PhD, joined the Division of Audiology as a consultant with oversight for the Pediatric Audiology Program and the Cochlear Implant Program.

Kayla Ashland, AuD, completed a clinical program in adult and pediatric diagnostic audiology, vestibular/balance assessment, hearing aids, cochlear implants and universal newborn hearing screening. She also participated in ongoing research projects. Ashland received her AuD from the University of Nebraska–Lincoln.

Class Notes and Employment

Kayla Ashland
Clinical Audiology
Mayo Clinic
Rochester, Minn.
Clinical Laboratory Sciences

Program Update

The fourth class of the Clinical Laboratory Sciences Program graduated on May 24, 2012. Of the 23 graduates, 21 joined Mayo Clinic or Mayo Clinic Health System. All students were employed at graduation. The program maintains a first-time national certification pass rate of 94 percent, compared to an 86 percent national average.

Class Notes and Employment

Laboratories at Mayo Clinic in Rochester

Maureen Baker  Neuro Immunology
Luann Copper  Transfusion
Andrew Fangel  Bacteriology
Ali Gerow  Bacteriology
Levi Hartman  Hematopathology
Amanda Inman  Bacteriology
Drew Kluge  Flow Cytometry
Andrew Kupinski  Transfusion
Tara Litwinchuk  Molecular Hematology
Alison Millis  Neuro Immunology
Matthew Murphy  Bacteriology
Thanh Thao Pham  Component

Jenna Shircel  Mycology
Gregory Strand  Bacteriology
Dustin Strasburg  Progenitor Cell
Jarrod Villont  Endocrine

Mayo Clinic in Arizona

Jessica Frank
Jaron VanDeLaarschot
Trang Vu

Mayo Clinic in Florida

Chelsy Rowan

Mayo Clinic Health System

Melissa Hanson  Mankato

Other

Katelyn Morgan  Oconomowoc Memorial Hospital
Oconomowoc, Wis.

Sydney Schneider  Cheyenne Regional Medical Center
Sterling, Colo.

Front row: Jessica Frank, Luann Copper, Thanh Thao Pham, Ali Gerow, Alison Millis, Maureen Baker, Katelyn Morgan, Trang Vu, Melissa Hanson, students
Second row: Dustin Strasburg, Amanda Inman, Gregory Strand, Tara Litwinchuk, Chelsy Rowan, Sydney Schneider, Jenna Shircel, Jarrod Villont, students
Back row: Jarrod Villont, Levi Hartman, Matthew Murphy, Andrew Kupinski, Drew Kluge, Andrew Fangel, students
Clinical Neurophysiology Technology

Program Update

The Clinical Neurophysiology Technology (CNT) Program Class of 2012 graduated on Aug. 1. The graduates received a certificate of completion from Mayo School of Health Sciences and an associate in applied science degree from Rochester Community and Technical College.

In 2012, the CNT Program focused on the Blended Learning Project. The CNT Program, along with Histology and Phlebotomy programs, have packaged didactic courses online.

EEG Clinical Instructor Judith Johnson retired, and Emily Scanlan, R EEG T, is the newly appointed EEG clinical instructor.

With Distinction

James Watson, MD, CNT Program medical director, was awarded the Excellence in Teaching award.

Ryan Nider, R NCS T, CNP technologist, was awarded the Outstanding Technical Mentor award.

Class Notes and Employment

Mayo Clinic, Rochester, Minn.

Angela Braaten  
Technologist  
Clinical Neurophysiology Division

Ashleigh Davis  
Technologist  
Center for Sleep Medicine

Elizabeth O’Brien  
Technologist  
Clinical Neurophysiology Division

Other

Brandy Haugstad  
Seeking employment

Morgan McElmury  
Neurodiagnostic sleep technologist  
Mayo Clinic Health System - Franciscan Healthcare in La Crosse, Wis.

Front row: James Watson, MD, medical director and Jan Buss, program director  
Back row: Elizabeth O’Brien, Morgan McElmury, Brandy Haugstad, Angela Braaten, Ashleigh Davis, students
Clinical Pastoral Education

Program Update

Summer interns as well as residents graduated from the Clinical Pastoral Education (CPE) Program in 2012.

Internship: The summer program included seminarians who had completed one or two years of seminary. The 11-week program offers the experience and education of visiting hospitalized patients. Students worked at Saint Marys Hospital and joined the overnight on-call rotation. They also conducted worship services in Saint Marys Chapel.

Residency: The 12-month residency is an intensive program where clergy, religious workers and seminary graduates rotate throughout Saint Marys and Rochester Methodist hospitals. The program helps residents develop their pastoral interviewing and assessment skills and allows them to pursue board certification through the Association of Professional Chaplains.

Class Notes and Employment

Summer Internship Class

Karna Anderson
Entered Mayo CPE Residency

Shawn Brooks
Returned to seminary

Allison Cobb
Returned to seminary

David Kraemer
Returned to seminary

John Schultes
Entered Mayo CPE Residency

Jacob Sorenson
Entered PhD program

Residency Class

Julie Beck
Continued in parish ministry

Laura Bunkowski
Began fellowship in spiritual assessment and the arts

Sister Renae Hohensee
Returned to religious order

Sister Christine Stanoch
Leadership position at Assisi Heights

Corinne Thul
Seeking parish call

Kathleen Whipple
Seeking parish call

Clinical Pastoral Education Interns
Front row: Shawn Brooks, student; Nancy Wigdahl, program supervisor; David Kraemer, student
Back row: Jacob Sorenson, Allison Cobb, John Schultes, Karna Anderson, students

Clinical Pastoral Education Residents
Front row: Laura Bunkowski, Sister Renae Hohensee, Kathleen Whipple, students
Back row: Roger Ring, program supervisor; Julie Beck, Sister Christine Stanoch, Corinne Thul, students; Nancy Wigdahl, program supervisor
Clinical Research Coordinator

Program Update

The Clinical Research Coordinator Program is one of only a handful of similar programs in the country that combine clinical research, basic postsecondary education and hands-on research coordination experience.

Nineteen students received a certificate of completion from Mayo School of Health Sciences and an associate of applied science degree or a diploma from Rochester Community and Technical College. All graduates completed an eight-credit internship that included 480 hours of fieldwork under the mentorship of an experienced clinical research coordinator.

Students conducted fieldwork throughout many areas of Mayo Clinic, including Gastroenterology and Hepatology, Mayo Clinic Cancer Center, Molecular Breast Imaging Research, Nephrology and Hypertension Research, Nicotine Research Program, Pulmonary Clinical Research Unit, Radiology Research and Transplant Research.

Class Notes and Employment

Mayo Clinic, Rochester, Minn.

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
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<tbody>
<tr>
<td>Teron Cox</td>
<td>Associate clinical research coordinator</td>
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<tr>
<td></td>
<td>Surgery Clinical Research Office</td>
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<tr>
<td>Thomas De Leeuw</td>
<td>Associate clinical research coordinator</td>
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<tr>
<td></td>
<td>Transplant Center</td>
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<tr>
<td>Bonnie Donelan-Dunlap</td>
<td>Associate clinical research coordinator</td>
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<tr>
<td></td>
<td>Nicotine Research Program</td>
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<tr>
<td>Jill Evjen</td>
<td>Associate clinical research coordinator</td>
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<tr>
<td></td>
<td>Thoracic Surgery Research</td>
</tr>
<tr>
<td>Julie Marie Gecox</td>
<td>Quality assurance specialist I – Research</td>
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<td></td>
<td>Cancer Center</td>
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<tr>
<td>Emma Heim</td>
<td>Associate clinical research coordinator</td>
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<tr>
<td></td>
<td>Knowledge and Evaluation Research Unit</td>
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<tr>
<td>Tamara Hudson</td>
<td>Associate clinical research coordinator</td>
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<tr>
<td></td>
<td>Molecular Breast Imaging Research</td>
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<tr>
<td>Candice Klein</td>
<td>Associate clinical research coordinator</td>
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<td></td>
<td>Epidemiology</td>
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<tr>
<td>Kelly Lyke</td>
<td>Associate clinical research coordinator</td>
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<td></td>
<td>Epidemiology</td>
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<tr>
<td>Ann Marshman</td>
<td>Associate clinical research coordinator</td>
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<td></td>
<td>Cancer Center</td>
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<tr>
<td>Karen Miller</td>
<td>Associate clinical research coordinator</td>
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<tr>
<td></td>
<td>Nephrology and Hypertension</td>
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<tr>
<td>Michele Richardson</td>
<td>Associate clinical research coordinator</td>
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<td></td>
<td>Oncology</td>
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<tr>
<td>Barbara Russell</td>
<td>Associate clinical research coordinator</td>
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<tr>
<td></td>
<td>Cancer Center</td>
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<tr>
<td>Julia Thebiay</td>
<td>Associate clinical research coordinator</td>
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<tr>
<td></td>
<td>Program for Hypoplastic Left Heart Syndrome</td>
</tr>
</tbody>
</table>

Continued
Clinical Research Coordinator

Other

Anne Carey
Pursuing employment

Joshua De Kam
Behavior analyst
State of Minnesota

Karen Melby Finn
Paraprofessional
Rochester Public Schools

Rachael McJoynt
Student
University of Northern Florida

Amy Ross
Loan processor
First National Bank
Plainview, Minn.
Cytotechnology

Program Update

Six students were awarded certificates from the Cytotechnology Program. The students completed a one-year internship at Mayo Clinic as part of a four-year degree program or as postbaccalaureate work in cytotechnology. All six students successfully passed their board exams and received certification in cytotechnology from the American Society for Clinical Pathology, helping the program maintain a first-time national certification pass rate of 100 percent.

In 2012, the Cytotechnology Program offered FISH: Techniques and Utilization in Cytopathology, a professional enhancement course for practicing cytotechnologists that covers the knowledge and skills to perform fluorescence in situ hybridization (FISH) analysis in a cytopathology laboratory setting.

The program welcomed Jessica Lesko, MA, SCT(ASCP), as education coordinator and said good-bye to Program Director Jill Caudill, who retired after more than 20 years with Mayo Clinic.

With Distinction

Justin Cassett, CT(ASCP), Brittany Rosas, SCT(ASCP), and Katy Bartholet, CT(ASCP), were presented Clinical Instructor awards for their dedication and contribution to student learning and success.

Class Notes and Employment

Katherine Heins  Mercy Medical Center
                Cedar Rapids, Iowa

Anna Novak  Johns Hopkins Hospital
            Baltimore, Md.

Amy Ratermann  Shands Healthcare at the University of Florida
               Gainesville, Fla.

Sharon Schwarz  Mayo Clinic Health System - Franciscan Healthcare in La Crosse, Wis.

Kristina Welscher  McLaren Northern Michigan
                  Petoskey, Mich.

Jared Weyant  Mayo Clinic
              Rochester, Minn.
Program Update

In 2012, Classes 52 and 53 completed the Dietetic Internship Program.

Class Notes and Employment

Mayo Clinic, Jacksonville, Fla.

Class 52

Sheri Lingle
Debra Silverman

Class 53

Rory Ellermeyer  Seeking employment in Dallas
Dacyl Spillane  Mayo Clinic
                Jacksonville, Fla.
Dietetic Internship — Rochester

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. In 1933, it became the first 12-month program to be accredited by the Academy of Nutrition and Dietetics. In November 2010, the program was granted continued accreditation for 10 years by the Accreditation Council for Education in Nutrition and Dietetics (ACEND).

Class Notes and Employment

Lauren Gebhard  Seeking employment  Woodstock, Ga.

Mary (Betsy) Hunt  Seeking employment  Fountain Hills, Ariz.

Kayla Paul  Dietitian  William S. Middleton Memorial Veterans Hospital Madison, Wis.

Tracy Reith  Dietitian  Hy-Vee Grocery Store Rochester, Minn.

Jean Rodvold  Seeking employment  Hermantown, Minn.

Christina Thomas  Dietitian  Shannon Medical Center San Angelo, Texas

Jana Wells  Dietitian  Mary Lanning Hospital Hastings, Neb.

Hannah Zabel  Seeking employment  Rochester, Minn.

Front row: Jean Rodvold, Kayla Paul, Hannah Zabel, Lauren Gebhard, students

Back row: Mary (Betsy) Hunt, Christina Thomas, Tracy Reith, Jana Wells, students
Echocardiography

Class Notes and Employment

Jenna Escalante  
Tucson, Ariz.

Kelley Grogan  
Moorhead, Minn.

Stephanie Kolstad  
Annandale, Minn.

Michael Martineau  
Fergus Falls, Minn.

Zachary Traverse  
Rochester, Minn.

With Distinction

The graduating Class of 2012 awarded the Academic Faculty Award to Carrie Vanden Bussche, RDCS, FASE.

Clinical Instructor Awards were presented to Joshua Fosland, RDCS, and Eric Koenigsmann, RDCS.

Grace Lin, MD, was given the Physician Recognition Award.

Front row: Kelley Grogan, Stephanie Kolstad, Michael Martineau, Zachary Traverse, Jenna Escalante, students
Back row: Carrie Vanden Bussche, academic coordinator; Daniel Borgeson, MD, director, Echocardiography Laboratory; Joshua Finstuen, MA, RT(R), RDCS, FASE, program director; Sally Miller, RT(R), RDCS, FASE, clinical coordinator
Not pictured: Rochelle Tyler, AS, RDCS, FASE, academic/clinical coordinator
**Histology Technician**

**Program Update**

In 2011, the Histology Technician Program was selected as one of the pilot programs for the Blended Learning Project. The project seeks to determine the optimal balance between online learning and the traditional classroom delivery methods and to develop best practices in blended learning.

The first phase of this project involved an analysis of the current learning outcomes, competencies, assessment strategies and overall structure of the program, followed by an investigation into options for program enhancement through blended learning. A new vision and detailed design phase are being incorporated into fall 2012 courses.

Eight students were awarded certificates at the Histology Technician Program graduation ceremony on May 18, 2012. The class 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.

All eight graduates did exceptionally well on the ASCP Board of Certification exam, with a 100 percent pass rate on their first attempt and an average score well above the national average.

**With Distinction**

Two clinical instructors were recognized for their outstanding contributions to the learning experience and dedication to student success:

**Vivian Barrone**, HT(ASCP) – Clinical Trainer Award

**Christina Halling**, HT(ASCP) – Enrichment Clinical Trainer Award

**Class Notes and Employment**

**Histology Laboratory, Mayo Clinic, Rochester, Minn.**

- **Justin Colbenson**
- **Elizabeth Druffel**
- **Rochelle Grossman**
- **Amanda Lipsky**

**Other**

- **Melissa Clasen**

**North Memorial Hospital, Robbinsdale, Minn.**

- **Tiffany Mainella**
- **Anna Sanh**
- **Ashley Sellers**

**Front row:** Melissa Clasen, Anna Sanh, Ashley Sellers, Rochelle Grossman, students

**Back row:** Tien Tran, BS, HT(ASCP)CM, faculty; Amanda Lipsky, Elizabeth Druffel, students; Loren Herrera Hernandez, MD, medical director; Justin Colbenson, Tiffany Mainella, students; Michelle Nelsen, BS, HT/HTL(ASCP)CM, program director

**Not pictured:** Amy Seegmiller Renner, MS, HT(ASCP)CM, faculty
Molecular Genetics Technology Internship

Program Update

Sarah Howe, a baccalaureate student in the Diagnostic Genetics Program at Northern Michigan University (NMU), Marquette, participated in the Molecular Genetics Technology Internship program from July through December 2011. Howe’s development project involved designing a gene dosage assay for the mismatch repair endonuclease PMS2. She also worked on sequencing the gene for affected patients.

With Distinction

Howe received NMU’s Outstanding Student Practitioner Award, competing against students from all of the school’s clinical practicums. This prestigious award recognizes a student who has excelled in the clinical training component of the curriculum, placing particular emphasis on professionalism.

Class Notes and Employment

Sarah Howe
Clinical technologist
Molecular Genetics Laboratory
Mayo Clinic, Rochester, Minn.

Sarah Howe
Nuclear Medicine

Program Update

The 36th class of the Nuclear Medicine Technology Program graduated on Aug 24. All eight students passed their Nuclear Medicine Technology Certification Board exam, continuing the program’s tradition of 100 percent pass rate on the first attempt.

Six students submitted research abstracts to the Society of Nuclear Medicine for presentation at the 2012 Annual Society of Nuclear Medicine Meeting. All abstracts were accepted, and the students presented their research on June 11, 2012, at the Miami Beach Convention Center in Miami Beach, Fla.

With Distinction

Kate Raplinger earned a 4.0 grade point average. She joins seven other students who have achieved this success over the past 36 years.

Class Notes and Employment

Jarin Bjerke
General, Cardiac, PET and Radiopharmacy
Mayo Clinic
Phoenix, Ariz.

Ashley Huntley
Community Memorial Hospital
Oconto Falls, Wis.

Kendra Klein
Seeking employment

Allison Kluz
Seeking employment

James Long
Kingman Memorial Hospital
Kingman, Ariz.

Tiffinee Nelson
Molecular Breast Imaging
Mayo Clinic
Rochester, Minn.

Kate Raplinger
Seeking employment

Katelyn Schommer
Duke University
Durham, N.C.

Front row: Tiffinee Nelson, Kendra Klein, Kate Raplinger, students
Back row: James Long, Katelyn Schommer, Jarin Bjerke, Ashley Huntley, Allison Kluz, students
Nurse Anesthesia

Program Update

Twenty-five people were awarded a master’s degree from the Nurse Anesthesia Program in March 2012. There are many notable highlights:

Presentations, posters and publications: Seventeen members of the class of 2012 participated in poster presentations at the 2011 Annual American Association of Nurse Anesthetists’ National Meeting in Boston. Eight research posters from the class of 2013 were accepted and presented at the 2012 annual meeting in San Francisco. Two senior research projects were presented at the 2011 Fall Minnesota Association of Nurse Anesthetists (MANA) meeting, and several seniors participated in the MANA poster presentations. Two oral presentations by MSHS students and several poster presentations were presented at the Fall 2012 MANA meeting. Several student research projects have been published in peer-reviewed journals this past year.

Alumni support: Thank you to the alumni who continue to support the Mayo Nurse Anesthetists’ Alumni Association. In 2012, alumni donations supported the purchase of audiovisual equipment that allows instructors to do real-time drawing on presentation slides, which can then be shared with off-campus students. The Smart Board Symposium computer systems were installed in the Siebens 302 and 1019 classrooms.

Doctorate of Nurse Anesthesia Practice (DNAP) Program: Much work is under way to make the change to a doctorate-level program. The DNAP proposal has received initial endorsement from the MSHS Education Committee. The DNAP Program is projected to start in July 2014, and the DNAP CRNA degree completion program is projected to be fully implemented in 2017.

The program’s accreditation site visit is set for April 24–25, 2013.

Off-campus rotations: Several health care organizations provide students with learning environments outside of Mayo Clinic. The Nurse Anesthesia Program is seeking additional opportunities. Please contact Mary Shirk Marienau, program director, (marienau.mary@mayo.edu or 507-284-8331) to discuss opportunities for students to practice general and regional anesthesia at your facility.

With Distinction

Faculty Awards

• Nurse Anesthetist Educator Award — Saint Marys Hospital Anesthesiology: Jhoel Peterson, CRNA, MNA

• Nurse Anesthetist Educator Award — Rochester Methodist Hospital Anesthesiology: Sarah Crilly, CRNA, MNA

• Special Recognition Award: Anesthesia Maintenance, Rodney Severson and Saint Marys Hospital Team; and Chris Hallstrom and Rochester Methodist Hospital/Gonda Team

• Physician Educator Award: Leal Segura, MD, assistant professor of anesthesiology, College of Medicine, Mayo Clinic

Student Awards

Robert R. Johnson Achievement Award: Robin Olsen

Gilles, Nelson, Torrance Alumni Award: Samantha Schultz

Rebecca S. Finley Alumni Award: Jeffrey Oberhansley

Virginia B. Hartridge Achievement Award: Sarah Wilczewski

Robert A. Devloo Book Award: Robert Burcham

Class Notes and Employment

Mayo Clinic, Rochester, Minn.

Heidi Ahle Robert Burcham

Novette Berntson Reynaldo Calaro

Sarah Billings Robert Citrowske Lee
Joel Gregory
Aaron Gross
Katherine Jacobsen
Paul Jarett
Justin Marks
David Moses
Denise Mueller

Jeffrey Oberhansley
Samantha Schultz
Ericka Slivinski
Katie Stockler
Aaron Tempel
Holly Tempel
LeAnn Thisius

DeForest Brown
Brittany Lyne
Robin Olsen
Brent Schroeder
Sarah Wilczewski

Other

Medical Center of Newark
Newark, Ohio
Dean St. Mary’s Hospital
Madison, Wis.
Winona Health
Winona, Minn.
Connecticut
University of Wisconsin
Hospital
Madison, Wis.

Front row: Katherine Jacobsen, Sarah Wilczewski, Denise Mueller, Ericka Slivinski, LeAnn Thisius, Sarah Billings, Samantha Schultz, students
Second row: Novette Berntson, Brent Schroeder, Joel Gregory, Aaron Gross, Aaron Tempel, David Moses, Brittany Lyne, students
Third row: Robert Burcham, Justin Marks, Jeffrey Oberhansley, Heidi Ahle, Holly Tempel, Reynaldo Calaro, students
Back row: Robin Olsen, Paul Jarett, Robert Citrowske Lee, DeForest Brown, Katie Stockler, students
Nurse Practitioner

Program Update

In 2012, the MSHS Nurse Practitioner Clinical Residency awarded certificates to its first Doctor of Nursing Practice graduates. Stacey Hanna, Sara Ali and Nicole Bakken received DNP degrees from the University of Minnesota, Twin Cities. Programs nationwide are transitioning from master’s to doctorate-level degrees.

The program marked another first in 2012. Nicole Borrenphol is the first mental health nurse practitioner graduate to train at Mayo Clinic.

As the demand for nurse practitioners continues to increase, MSHS continues to work closely with the clinical areas and human resources to train individuals to fulfill the needs of the institution.

Class Notes and Employment

Mayo Clinic, Rochester, Minn.

Stephanie Ahrens  
Family Medicine

Faduma-Sara Ali  
Trauma, Critical Care and General Surgery

Nicole Borrenphol  
Psychiatry

Joshua Fenske  
Trauma, Critical Care and General Surgery

Stacey Hanna  
Primary Care Internal Medicine

Jennifer Hill  
Endocrinology

Krista Jones  
Cardiology (inpatient)

Kari Kaczmarek  
Neonatal Medicine

Alice Malecha  
Endocrinology

Michele Merten  
Endocrinology

Amanda Meyer  
Family Medicine

Megan Misgen  
Neonatal Medicine

Emily Olson  
Medical Oncology

Emily Smith  
Endocrinology

Rebecca Zatorowski  
Family Medicine (Express Care)

Mayo Clinic Health System

Alayna Casper  
Franciscan Healthcare in La Crosse, Wis.

Renee Gleitz  
Mankato, Minn.

Other

Nicole Bakken  
Duluth, Minn.

Chinda Douangmala  
Rochester, Minn.

Jill Oswald  
Catholic Medical Center Manchester, N.H.

Lindsay Young  
Rochester, Minn.

Front row: Krista Jones, Michele Merten, Joshua Fenske, Stephanie Ahrens, Jill Oswald, Chinda Douangmala, Renee Gleitz, students
Second row: Amanda Meyer, Lindsay Young, Alice Malecha, Nicole Borrenphol, Jennifer Hill, Kari Kaczmarek, Emily Smith, Faduma-Sara Ali, students
Back row: Nicole Bakken, Rebecca Zatorowski, Emily Olson; students; Crystal Buesking, associate program director; Barb Timm, assistant program director; and Claudia Swanton, program director
Not pictured: Alayna Casper, Stacey Hanna, Megan Misgen
Norria Brice, ACNP, the 2012 Cardiology Nurse Practitioner Fellow (CNPF), along with the 2011 fellow, Jennifer Garrow, ANP, represented Mayo Clinic at the American College of Nurse Practitioners National Clinical Conference in Toronto. They spoke on “Novel Anticoagulants for Atrial Fibrillation.”


Tamara Redden, FNP, 2010 CNPF graduate, and Marci Farquhar-Snow presented at the American College of Nurse Practitioner National Clinical Conference in Toronto on “Secondary Cardiac Prevention.”

They also made two presentations at the American Academy of Nurse Practitioners National Conference in Orlando, Fla., on “Interdisciplinary Simulated Learning Use in Nurse Practitioner Fellowships,” and “Why Become a Nurse Practitioner Fellow?”

Redden is completing her DNP at the University of Colorado.
Perioperative Nursing Fellowship

Program Update

Two classes completed the Perioperative Nursing Fellowship in 2011 and 2012. Applications are being accepted for the course that begins in April 2013.

Class Notes and Employment

\textit{Mayo Clinic, Phoenix, Ariz.}

<table>
<thead>
<tr>
<th>Name</th>
<th>Department and Team</th>
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</thead>
<tbody>
<tr>
<td>Alicia Caron</td>
<td>Staff RN, Plastics and Reconstructive Surgery team</td>
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<tr>
<td>Tiffany Harding</td>
<td>Staff RN, Ear, Nose and Throat Surgery team</td>
</tr>
<tr>
<td>Amy Jo Johnson</td>
<td>Staff RN, Urology Surgery team</td>
</tr>
<tr>
<td>Jaclyn Maertz</td>
<td>Staff RN, Urology Surgery team</td>
</tr>
<tr>
<td>Emily Vandersommen</td>
<td>Staff RN, Vascular Surgery team</td>
</tr>
<tr>
<td>Karen Walsh</td>
<td>Staff RN, General Surgery team</td>
</tr>
<tr>
<td>Zarah Willis</td>
<td>Staff RN, Urology Surgery team</td>
</tr>
</tbody>
</table>

\textit{Alicia Caron, Emily Vandersommen, Zarah Willis, students}

\textit{Jaclyn Maertz, Amy Jo Johnson, Tiffany Harding, Karen Walsh, students}
Pharmacy Residency — Florida

Postgraduate Year One (PGY-1) Pharmacy Program

Postgraduate Year Two (PGY-2) Critical Care Pharmacy Program

Program Update

Pharmacy Residency programs in Florida celebrated milestones in 2012. The PGY-1 Pharmacy Residency program marked 10 years of training pharmacy residents. The PGY-2 Critical Care Pharmacy program celebrated six years of training.

To commemorate the important milestones, a reunion dinner was held, bringing together former residents and program directors and celebrating the 2012 graduating class. The MSHS Alumni Association was integral in making this event a success.

Florida programs also added new preceptors in clinical rotations and broadened the curriculum.

With Distinction

Preceptor of the Year was awarded to Jeannie Mckinnon, PharmD.

The Resident Research Award was presented to Mikka Summerton, PharmD.

Class Notes and Employment

Mayo Clinic, Jacksonville, Fla.

Heidi Daniels, PharmD
Pharmacist

Haesuk Heagney, PharmD
Pharmacist

Lindsey Sadosky, PharmD
Pharmacist

Mikka Summerton, PharmD
Pharmacist
Kansas City, Mo.

Bryan Allen, PharmD
Pharmacist
Orlando, Fla.

Front row: Deborah Crumb, PharmD, BCPS, MHA, program director, PGY-1 Program; Haesuk Heagney, Lindsey Sadosky, PGY-1 Pharmacy residents
Back row: Bryan Allen, Heidi Daniels, PGY-1 Pharmacy residents; Mikka Summerton, PGY-2 Critical Care Pharmacy resident
Not pictured: Robert Darracott, PharmD, program director, PGY-2 Critical Care Program
Pharmacy Residency – Rochester

Program Update

The 2011–2012 Pharmacy Residency Class had another highly successful year with multiple acceptances for local, state and national poster and/or platform presentations. Several residents had peer-reviewed manuscripts accepted for publication.

This year was the first for the PGY-1 Pharmacy Practice Residency in Primary Care.

Erin Nystrom, PharmD, BCNSP, Heather Personett, PharmD, BCPS, and Erin Frazee, PharmD, BCPS, were named assistant residency program directors.

With Distinction

Julie Cunningham, PharmD, BCPP, was honored with the Preceptor of the Year Award.

Kristen McCullough, PharmD, BCPS, was named New Preceptor of the Year.

Class Notes and Employment

Ebony Ayres
PGY-1 Pharmacy practice resident, Mayo Eugenio Litta Children’s Hospital
Pediatric clinical pharmacist, Johns Hopkins Children’s Center, Baltimore, Md.

Tamara Berg
PGY-2 Pharmacotherapy resident
Employment pending

Mallory Fiorenza
PharmD, PGY-1 Pharmacy practice resident
PGY-2 Critical Care residency, North Texas Veterans Affairs Health Care System, Dallas, Texas

Courtney Fowler
PGY-2 Emergency Medicine resident
Emergency Medicine clinical pharmacist, Mayo Clinic, Rochester, Minn.

Jordan Haag
PGY-1 Pharmacy practice resident, Primary Care
PGY-2 Pharmacotherapy residency, Mayo Clinic, Rochester, Minn.

David Leedahl
PGY-1 Pharmacy practice resident
PGY-2 Critical Care residency, Mayo Clinic, Rochester, Minn.
Natalie Osagie  
PGY-2 Oncology resident  
Employment pending  

Christina Rivera  
PGY-2 Infectious Diseases resident 

Megan Ostrem  
PGY-1 Pharmacy practice resident 

PGY-2 Oncology residency, Mayo Clinic, Rochester, Minn. 

Daniel Wojenski  
PGY-1 Pharmacy practice resident 

Allison Palmer  
PGY-2 Critical Care resident 

Critical care clinical pharmacist, John Peter Smith Hospital, Fort Worth, Texas 

Front row: Ebony Ayres, Christina Rivera, Courtney Fowler, Megan Ostrem, students  
Second row: Tamara Berg, Natalie Osagie, Mallory Fiorenza, students  
Back row: Jordan Haag, Daniel Wojenski, David Leodahl, Allison Palmer, students
Phlebotomy

Class 1: September – November 2011

Program Update

All students received Phlebotomy Technician Certification (CPT) from the National Healthcareer Association (NHA).

Class Notes and Employment

*Mayo Clinic, Rochester, Minn.*

Kari Closson
Julie Curtis
Gary Gunderson
Brenda Hofer

Kristy Richards
Terra Richardson
Brenda Ryan
Jennifer Strahl

Other

Kirsten Boland

Seneca, Wis.

Class 2: January – March 2012

Program Update

All students are certified phlebotomists through the National Healthcareer Association

Class Notes and Employment

*Mayo Clinic, Rochester, Minn.*

Nowell Anderson
Emily Flesher
Matthew Herold
Shelby Husser
Manida Laanonh

Breanna Ties
Spencer Wiesner
Carissa Wedekind
Megan Wright
Mai Yang

Other

Shanalee Erwin

Chatfield, Minn.

Front row: Kirsten Boland, Terra Richardson, Kari Closson, Brenda Hofer, Julie Curtis, students

Back row: Jennifer Strahl, Gary Gunderson, Kristy Richards, Brenda Ryan, students

Front row: Shanalee Erwin, Spencer Wiesner, Emily Flesher, students

Second row: Breanna Ties, Nowell Anderson, Megan Wright, Mai Yang, students

Back row: Shelby Husser, Matthew Herold, Carissa Wedekind, students

Not pictured: Manida Laanonh
Class 3: March – May 2012

Program Update

Eleven of the students sat for the National Healthcareer Association Phlebotomy Certification and all passed.

Class Notes and Employment

*Mayo Clinic, Rochester, Minn.*

Liban Adan
Ashley Anderson
Kyle Arndt
Fikremariam (Haylat) Begashaw
Cory Deering

Jessica Inglebret
Lizzy Moreno
Rachel Smith
Holli Rowe
Andrew Sherry

Other

Allison Mattson
Brittany Delzer

Rochester, Minn.
Dodge Center, Minn.

Front row: Ashley Anderson, Allison Mattson, Holli Rowe, Andrew Sherry, Liban Adan, Kyle Arndt, students
Back row: Jessica Inglebret, Rachel Smith, Cory Deering, Fikremariam (Haylat) Begashaw, Brittany Delzer, students
Not pictured: Lizzy Moreno

Class 4: June – August 2012

Program Update

Ten students received Phlebotomy Certification from the National Healthcareer Association.

Class Notes and Employment

*Mayo Clinic, Rochester, Minn.*

Kenneth (Brad) Fritz
Bobbi Falde
Kimberly Miller

Other

Emily Bodensteiner
Chelsea Griffin
Jacqueline Jordon
Kelsey Spielbauer
Andrea Willems

Ma Tha See
Amy Lee Tran

Rochester, Minn.
Utah
Wabasha, Minn.
Nursing school
Hennepin County Medical Center Minneapolis, Minn.

Karolyn Wood

Rochester, Minn.

Front row: Kelsey Spielbauer, Chelsea Griffin; Kenneth (Brad) Fritz, Andrea Willems, Karolyn Wood, students
Back row: Amy Lee Tran, Kimberly Miller, Emily Bodensteiner, Bobbi Falde, Ma Tha See, students
Not pictured: Jacqueline Jordon
Physical Therapy

Program Update

The commencement ceremony for the Physical Therapy Class of 2012 was May 25 and marked the 75th graduating class for the program. Heather McCormack, PT, DSc, CWS, instructor of physical therapy in the College of Medicine and an associate faculty member of the Physical Therapy Program, gave the keynote address. Amy Cole provided the student address.

This was the sixth year that the graduates were awarded doctoral degrees. Thirty students earned the Doctor of Physical Therapy degree, bringing the total number of graduates educated at Mayo Clinic to 2,442, dating back to the program’s first graduating class in 1939.

With Distinction

Brooke Foley received the Outstanding Clinician Award, selected by clinical education faculty to recognize exceptional clinical performance by a graduating student.

Jennifer Lee received the Richard L. Beers Award, which honors the graduating student who wrote the most outstanding scholarly paper.

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

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

Jeffrey Hohl received the Minnesota Chapter of the American Physical Therapy Association Outstanding Student Award. This award honors a graduating student who demonstrates strong academic performance, excellent clinical performance and professional leadership.

Several 2012 graduates published their research in peer-reviewed journals. David Arend, Jada Exstrom, Taylor Helmus and Jessica Rozeboom co-authored a study with faculty members Jim Youdas and John Hollman, PT, PhD, titled, “Comparison of muscle activation levels during arm abduction in the plane of the scapula versus proprioceptive neuromuscular facilitation (PNF) upper extremity patterns” in the Journal of Strength & Conditioning Research. Laura Holmes, Corrine Klebe, Jennifer Lee and Kimberly Lundquist, with faculty members Dave Krause, PT, DSc, OCS, and John Hollman, published their study in the Journal of Strength & Conditioning Research titled, “Relationship of off-ice and on-ice performance measures in high school male hockey players.”

Several faculty members authored or co-authored peer-reviewed publications or received honors in the 2011–2012 academic year:

Nathan Hellyer, PT, PhD, assistant professor of physical therapy, authored a publication in the Journal of Strength & Conditioning Research. In honor of his significant contributions to the Department of Physical Medicine and Rehabilitation (PM&R) through practice, education and research, Hellyer was named an associate in PM&R in 2011.


Jim Youdas, PT, MS, associate professor of physical therapy, authored publications in Anatomical Sciences Education, Journal of Strength & Conditioning Research and Clinical Journal of Oncology Nursing. In honor of his significant contributions to the physical therapy profession through service, education and research, Youdas received the Corinne Ellingham Outstanding Service Award from the Minnesota Chapter of the American Physical Therapy Association at its meeting in April 2012.
Class Notes

David Arend
Laura Behymer
Amy Cole
Megan Conner
Justin Deeg
Jada Exstrom
Brooke Foley
Kelli Goodman
Taylor Helmus
Jeffrey Hohl
Laura Holmes
Corrine Klebe
Aaron Knighton
Jordan Kraft
Kathryn Kremer

Saline, Mich.
Fort Collins, Colo.
Wayzata, Minn.
Algona, Iowa
Eastham, Mass.
Lincoln, Neb.
Orange City, Iowa
St. Paul, Minn.
Rock Valley, Iowa
Westerville, Ohio
Dallas, Texas
Rochester, Minn.
Glen Ellyn, Ill.
Jackson Hole, Wyo.
Lakeville, Minn.
BreAnna Kruger
Jennifer Lee
Alyssa Lonergan
Kimberly Lundquist
Kandice Lytton
Jessica Mangus
Laura Meinhofer
Kathryn Payne
Maegan Petkus
Rochelle Ray
Jessica Rozeboom
Jeffrey Strauss
Swarna Subramanian
Alis Tortorelli
Katie Traver
Sibley, Iowa
Circle Pines, Minn.
Rochester, Minn.
Eau Claire, Wis.
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Bloomington, Minn.
Orland Park, Ill.
Antioch, Ill.
Palmer, Alaska
Doon, Iowa
Goodhue, Minn.
Naperville, Ill.
Spokane, Wash.
Atlantic, Iowa

Front row: Rochelle Ray, Brooke Foley, Jennifer Lee, Kathryn Payne, Kandice Lytton
Second row: Alis Tortorelli, Laura Behymer, Laura Holmes, Kathryn Kremer, Kimberly Lundquist, Kelli Goodman
Third row: Swarna Subramanian, David Arend, Aaron Knighton, Laura Meinhofer, Jessica Rozeboom, Maegan Petkus
Fourth row: Jada Exstrom, Corrine Klebe, Alyssa Lonergan, Jessica Mangus, Jeffrey Hohl, Jordan Kraft
Back row: Megan Conner, Taylor Helmus, Amy Cole, Jeffrey Strauss, Katie Traver, Justin Deeg, BreAnna Kruger
Physician Assistant

Program Update

All 18 students who graduated on May 15 passed the physician assistant national exam. Four of the graduates passed the exam with a perfect score of 800 points. The average score for the entire graduating class was 697.16.

Class Notes

Mike Breunig
Kyle Burkhamer
Kirsten Dier
Ivy Elsbernd
Elizabeth Froelich
Adam Grimm
Jennifer Hildahl
Hilary Hutter
Kristine Jensen

Jaklyn Kumm
Dayna Niesen
Maureen Ovans
Anna Rengel
Heather Rich
Emily Rueter
Karen Squillace
Rachel Stamm
Catherine Zomok

Front row: Elizabeth Froelich, Ivy Elsbernd, Maureen Ovans, Emily Rueter, Anna Rengel, Kirsten Dier, students
Second row: Hilary Hutter, Jennifer Hildahl, Rachel Stamm, students; Robert Adams, associate professor of orthopedics, College of Medicine; Catherine Zomok, Dayna Niesen, Karen Squillace, students
Back row: Heather Rich, Jaklyn Kumm, Kyle Burkhamer, Adam Grimm, Michael Breunig, Kristine Jensen, students
Otolaryngology Physician Assistant Fellowship

Program Update

Kate McBride, PA-C, from Boston, completed the 12-month Physician Assistant Fellowship in Otolaryngology/Head and Neck Surgery at Mayo Clinic in Arizona in September 2012.

In March 2012, the ENT PA Fellowship received national accreditation from the Accreditation Review Commission on Education for the Physician Assistant.

Beginning in 2013, the program will expand to include two fellows each year.

This is the only fellowship offered in the United States for physician assistants who wish to specialize in Otolaryngology.

Class Notes and Employment

McBride has joined the Plastic Surgery department at Mayo Clinic in Arizona.

Kate McBride
Physician Assistant Fellowship
Hospital Internal Medicine

Program Update

Faye McGlothlin, MMS, PA-C, and Hannah Studer, MMS, PA-C, are the 2012 graduates of the Physician Assistant Fellowship in Hospital Internal Medicine at Mayo Clinic in Arizona.

Both graduated with master’s degrees in medical science and physician assistant studies from Midwestern University, Glendale, Ariz., in 2011. They began their fellowships in October 2011 and spent one year training in the specialty of hospital internal medicine.

Both PA fellows presented a poster at the American Academy of Physician Assistants National Conference in May 2012.

With Distinction

Faye McGlothlin won the best poster presentation award from the Association of Postgraduate Physician Assistant Programs (APPAP).

Class Notes and Employment

Mayo Clinic, Phoenix, Ariz.

Faye McGlothlin
Division of Hospital Internal Medicine

Hannah Studer
Division of Critical Care Medicine
Program Update

This one-year fellowship for nurse practitioner and physician assistant students marked its second year in 2012. The program is designed to provide training in the disciplines of liver, kidney and pancreas transplantation. Graduating fellows are expected to be highly employable candidates for full-time positions in academic or community transplant programs.

This year’s graduate, Casey Hahn, PA, completed her undergraduate studies at the University of Arizona in Tucson before obtaining her PA degree from Midwestern University in Phoenix. Hahn completed her fellowship training demonstrating outstanding clinical judgment and poise.

The fellowship’s first graduate, Shawna Sando, PA, was similarly outstanding and was recruited for a full-time position at Transplant Center at Mayo Clinic in Arizona.

Class Notes and Employment

Casey Hahn
Transplant Center, supporting the liver transplant program
Mayo Clinic, Phoenix, Ariz.
Radiation Therapy

Program Update

Members of the Radiation Therapy Class of 2012 received Mayo School of Health Sciences certificates on Aug. 15. This is the 32nd Radiation Therapy Program graduating class.

With Distinction

Laura Hansen, Noelle Klein, and Shawn Pearson graduated with distinction, completing the program with a grade point average greater than 3.7. Machele Michels graduated with high distinction, achieving a grade point average greater than 3.9. Nickolas Galuska was recognized for achieving a perfect 4.0 grade point average.

Katie Voigt, radiation therapist and MSHS alumnus (Radiation Therapy Program, 2004 and Radiography Program, 2003) received the Clinical Educator Award.

Luke McLemore, physicist, received the Didactic Faculty Award.

Class Notes and Employment

Mayo Clinic, Rochester, Minn.
Laura Hansen
Noelle Klein
Machele Michels

Other

Nicholas Galuska
Rochester, Minn.

Shawn Pearson
CentraCare Radiation Oncology
Douglas County Hospital
Alexandria, Minn.

Front row: Noelle Klein, Laura Hansen, Machele Michels, students
Back row: Shawn Pearson, Nicholas Galuska, students
Radiography Internship — Arizona

Program Update

The Radiography Internship Class of 2012 celebrated commencement exercises on May 4 at the North Phoenix Baptist Church. This internship, in affiliation with the Medical Radiography Program at Gateway Community College, Phoenix, is in its 10th year at Mayo Clinic’s Arizona campus. The students also were honored at an awards banquet at the Doubletree Resort on May 5 and at the MSHS graduation ceremony.

With Distinction

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

Class Notes and Employment

<table>
<thead>
<tr>
<th>Name</th>
<th>Employment</th>
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</thead>
<tbody>
<tr>
<td>Graham Nathaniel</td>
<td>Seeking employment</td>
</tr>
<tr>
<td>Jose Ortiz</td>
<td>Good Samaritan Hospital</td>
</tr>
<tr>
<td>Chad Porter</td>
<td>Mayo Clinic Hospital</td>
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</tbody>
</table>

Phoeni, Ariz.
Radiography — Florida

Program Update

All class members 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 11th graduating class.

With Distinction

Taylor Velasco was presented with the Award for Radiography Student Excellence.

Thomas Frketic, RT(R), was presented the Outstanding Clinical Educator award.

Victoria Staifer was honored with the Program Director’s Award.

Class Notes and Employment

Yakira Chapu
Continuing her education Jacksonville, Fla.

Jennifer Crawford
Radiologic technologist Bahri Orthopedic and Sports Medicine Clinic Jacksonville, Fla.

Tonya Hall
Jacksonville, Fla.

Jaclyn Olwin
Radiologic technologist Mayo Clinic Jacksonville, Fla.

Taylor Velasco
Radiologic technologist Mayo Clinic Jacksonville, Fla.
Program Update

Starting in 2012, students enrolled in the Radiography Program will graduate with a certificate of completion from Mayo School of Health Sciences and a baccalaureate degree from either University of Minnesota – Rochester, University of Sioux Falls, S.D., or St. Cloud State University, Minn. All prerequisite coursework will be completed prior to starting the Radiology Program. This allows for greater focus on radiography-specific curriculum.

With Distinction

Michael Rubin, RT(R), PE, graduate of the program and assistant coordinator for the Department of Radiology, gave the commencement address at the Aug. 10 event.

Rita Oswald, BS, RT(R)(CV), clinical instructor, served as moderator for graduation.

Nicholas Huso, RT(R), and Christopher Thesing, RT(R), were honored as Outstanding Clinic Educators.

Sharisse Harder was named Outstanding Academic Student.

Nikolina Lovrenovic was honored as Outstanding Clinical Student.

Alyssa Boos was recognized with the award for Outstanding Student Achievement.

Certificates of Recognition for outstanding academic performance in maintaining a 4.0 Grade Point Average were presented to: Melissa Bauer, Haley Breyer, Michelle Frey, Sharisse Harder and Emerald Rabe.

A Certificate of Excellence for promoting the profession was presented to Haley Breyer, first place winner in the 2012 Minnesota Society of Radiologic Technologists Student Bowl.

Class Notes and Employment

<table>
<thead>
<tr>
<th>Name</th>
<th>Location</th>
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<tbody>
<tr>
<td>Melissa Bauer</td>
<td>Wood River, Neb.</td>
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<tr>
<td>Mandy Bialas</td>
<td>Sioux Falls, S.D.</td>
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<tr>
<td>Megan Blake</td>
<td>Byron, Minn.</td>
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<tr>
<td>Alyssa Boos</td>
<td>Brooklyn Park, Minn.</td>
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<tr>
<td>Jessica Bourcy</td>
<td>Moorhead, Minn.</td>
</tr>
<tr>
<td>Haley Breyer</td>
<td>Wales, N.D.</td>
</tr>
<tr>
<td>Valarie Calder</td>
<td>Warroad, Minn.</td>
</tr>
<tr>
<td>Sheila Franek</td>
<td>Lake Park, Iowa</td>
</tr>
<tr>
<td>Michelle Frey</td>
<td>Zumbrota, Minn.</td>
</tr>
<tr>
<td>Sarah Guzik</td>
<td>Columbia Heights, Minn.</td>
</tr>
<tr>
<td>Sharisse Harder</td>
<td>Mountain Lake, Minn.</td>
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<tr>
<td>Emily Hartleben</td>
<td>Ely, Minn.</td>
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<tr>
<td>Amber Jore</td>
<td>Riverside, Calif.</td>
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<tr>
<td>Abdikadir Kheyre</td>
<td>Burnsville, Minn.</td>
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<tr>
<td>Nikolina Lovrenovic</td>
<td>Rochester, Minn.</td>
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<tr>
<td>Rebecca Quistorff</td>
<td>Osakis, Minn.</td>
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<tr>
<td>Emerald Rabe</td>
<td>Wykoff, Minn.</td>
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<tr>
<td>Lucia Rose</td>
<td>Huxley, Iowa</td>
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<tr>
<td>Sarah Showers</td>
<td>DeForest, Wis.</td>
</tr>
</tbody>
</table>

Continued
Radiography – Rochester

Front row: Sarah Showers, Lucia Rose, Abdikadir Kheyre, Michelle Frey, Melissa Bauer, students
Second row: Rebecca Quistorff, Valarie Calder, Emily Hartleben, Alyssa Boos, Sharisse Harder, Amber Jore, Sheila Franek, Nikolina Lovrenovic, students
Back row: Jessica Bourcy, Haley Breyer, Sarah Guzik, Emerald Rabe, Mandy Bialas, Megan Blake, students
Respiratory Care

With Distinction

Emelin Tan, Zanele Manaka, Lauren Gilseth and Katie Gifford won the Minnesota Student Knowledge Bowl competition and competed against teams from other states in November at the International Respiratory Convention in New Orleans.

Emelin Tan graduated from the University of Minnesota “with distinction.”

Lauren Gilseth received a scholarship from University of Minnesota Rochester.

Class Notes and Employment

Mayo Clinic, Rochester, Minn.

Katie Gifford
Lauren Gilseth
Zanele Manaka

Other

Christopher Marti
Intermountain Medical Center
Murray, Utah

Emelin Tan
Tan Tock Seng Hospital
Singapore

Front row: Zanele Manaka, Lauren Gilseth, Emelin Tan, Christopher Marti, Katie Gifford, students
Back row: Vanessa King, program director; Bryan Wattier, clinical instructor; Jeff Ward, faculty member; James Findlay, MB, ChB, medical director
Sonography

Program Update

The graduation ceremony for Mayo School of Health Sciences Sonography Program, Class of 2012, was held on May 23 in Geffen Auditorium on Mayo Clinic’s Rochester campus with live video connection to Walker Auditorium in Jacksonville, Fla. Family friends, mentors and colleagues shared in the celebration of success.

With Distinction

Jeanie Owens was recognized with the Outstanding Student Achievement Award.

Sonographers and vascular technologists Darren Hooley; Kate Knoll, RVT, RDMS; Holly Washburn, RVT RDMS RT(R); and Kate Praska, RDMS, were honored for their roles in providing outstanding clinical education.

Class Notes and Employment

Susana Alvarez
Jacksonville, Fla.

Slone Bennett
St. Augustine, Fla.

Mackenzie Brink
Waseca, Minn.

Peter Gropp
Denver, Colo.

Kelsey Neumeister
La Crescent, Minn.

Jeanie Owens
Spring Valley, Minn.

Adam Peterson
Union Grove, Wis.

Charissa Statz
Rice, Minn.

Jillian Treder
Rochester, Minn.

Minnesota

Front row: Diane Youngs, RVT, RDMS, program director; Becky Madery, RVT, RDMS, academic coordinator; Jillian Treder, Jeanie Owens, Kelsey Neumeister, students; Catherine Fuhs, RT(R), RDMS, clinical coordinator

Back row: Peter Gropp, Charissa Statz, Mackenzie Brink, Adam Peterson, students

Florida

Slone Bennett and Susana Alvarez, 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 / Siebens 5 / 200 First St. S.W. / Rochester, MN 55905 / E-mail: connectionsmageditor@mayo.edu

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