



*Mayo School of Health Sciences*

# Connections

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

WINTER | 2014

**GRADUATION ISSUE**



# Right place, right time for opportunities

*Dear New Graduates, Students  
and Alumni:*

**C**ongratulations to all the new graduates. It's such an exciting time, starting out with fresh, new ideas which are looking for a place to land.

There are so many interesting choices and options on the road ahead of you. Whatever path you choose will lead to your unique journey.

You can never be sure the route you choose will lead to the expected destination. However, that's the point, no choice is wrong. Each choice offers its own adventure which will shape and mold your life's journey.

I haven't always made what others might consider to be the right


choices, but they were my choices. Allow your instincts to guide you. Never limit yourself. Be open to alternate paths and don't be afraid to go down the road less traveled.

Graduates, you are in the right place at the right time for career opportunities. Baby boomers are moving toward the opposite end of the career spectrum. They've run the race on which you are about to embark. They've moved health science professions forward in amazing ways and are now ready to turn the future over to you.

Stay connected to your school network and its many resources, including Mayo School of Health Sciences Alumni Association. Consider nominating yourself or a fellow alumnus for a MSHS Alumni



Association board position. Keep up with school happenings by "liking" the school's Facebook page. Check out the new look for our MSHS website that makes staying in touch more convenient than ever before.

Don't allow life to happen to you, go after it and make it yours. I guarantee you'll never let yourself down. 

Sincerely,

A handwritten signature in black ink that reads "Vicki Place".

*Vicki Place*

*President*

*MSHS Alumni Association*

## DEADLINE IS MARCH 1

### **Apply for Alumni Association Board of Directors position**

The MSHS Alumni Association Board of Directors welcomes new members every year. Board members provide direction for programming and activities of the MSHS Alumni Association.

To be considered for service, submit a letter indicating your interest by March 1, 2015. Applications are reviewed by a nominating committee to ensure broad representation of MSHS programs.

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

For information:

<http://mshsalumni.mayo.edu>

Email [mshsaa@mayo.edu](mailto:mshsaa@mayo.edu) or call MSHS Alumni Association, 507-284-2317

**ON THE  
COVER**

*MSHS 2014 graduates Prasanna Narayanan, PharmD, Pharmacy Residency, Benjamin Colvin, Medical Laboratory Science Program, and Sara Lang, Surgical First Assistant Program*

<http://mshsalumni.mayo.edu>  
[www.facebook.com/mshsalumni](http://www.facebook.com/mshsalumni)

Mayo School of Health Sciences

# Connections

10



**2** Nurse Anesthesia milestone  
*Program marks 125 years*

**6** Doctorate degrees  
*New advanced degrees in Nurse Anesthesia*

**7** Family affair  
*One family, five careers in nurse anesthesia*

**8** Midwives deliver  
*MSHS offers rotations for in-demand specialty*

**10** Surgical technologists  
*Meet alumni from four decades*

**14** Brad Karon, MD, PhD  
*New associate dean is "Phlebotomy Top Gun"*

**55** Bethany Krom retires  
*Career capped with education honor*

**56** Outstanding alumni award  
*Nominations due Jan. 31, 2015*

**56** Website debuts  
*Log in to new alumni website*

**15** Graduating classes

- Audiology
- Cardiovascular Invasive Specialist
- Clinical Neurophysiology Technology
- Clinical Pastoral Education
- Clinical Research Coordinator
- Cytotechnology
- Dietetic Internship
- Echocardiography
- Histology Technician
- Medical Laboratory Science
- Medical Physics Residency
- Molecular Genetics Technology
- Nuclear Medicine Technology
- Nurse Anesthesia
- Nurse Practitioner
- Perioperative Nursing Fellowship
- Pharmacy
- Phlebotomy Technician
- Physical Therapy
- Physician Assistant
- Radiation Therapy
- Radiography
- Respiratory Care
- Sonography
- Surgical First Assistant

CELEBRATING

125  
YEARS

of  
Nurse  
Anesthesia  
Education



Kata McLaren  
NA Class of 2013

# Nurse Anesthesia marks 125 years at Mayo Clinic

*The MSHS Nurse Anesthesia Program is the oldest, continuously operating nurse anesthesia education program in the United States. In 2014, the program marked a significant milestone — the launch of its new doctorate degree programs.*

**1889**

**Edith Graham**



Edith Graham, RN, is trained by William Worrall Mayo, MD, and becomes Mayo Clinic's first nurse anesthetist. She provides anesthesia for procedures performed by the Mayo Brothers and teaches nursing care to the Sisters of St. Francis at the newly opened Saint Marys Hospital. A graduate of the Women's and Children's Hospital School of Nursing in Chicago, Graham is the only trained nurse in Rochester, Minnesota.

## Edith Graham Mayo journal offers glimpse of NA history

When Darlene Bannon, CRNA, and Evadne Edwards, CRNA, were digging through boxes at the Olmsted County Historical Society, they made history of their own. They found a forgotten, 16-page journal written by Edith Graham Mayo, RN, the first nurse anesthetist at Mayo Clinic.

In 2004, Bannon and Edwards were both students in Mayo School of Health Sciences (MSHS) Master of Nurse Anesthesia Program. They were looking for materials for their research project on Graham Mayo, who was trained in anesthesia administration in 1889 by William Worrall Mayo, MD.

“The journal documented nursing, anesthesia, education and surgery for the first days of Saint Marys Hospital,” says Bannon, who has worked at Mayo Clinic for 15 years. Edwards works in Washington D.C.

For example, the faded, handwritten booklet lists the supplies needed for anesthesia including air-tight tins for

*Darlene Bannon*



cotton, absorbent gauze, the ether cone, hypodermic syringe and morphine, chloroform, brandy and alcohol.

“We found something that no one had written about,” says Bannon. “We were ecstatic.”

Over five years, Graham Mayo provided anesthesia for 650 procedures. And at a time when anesthesia mortality was a concern, 98.3 percent of Mayo Clinic’s surgical patients survived.



### About Edith Graham Mayo

1867-1943

- Office nurse, bookkeeper and secretary to William Worrall Mayo, MD
- Head of nursing at the new Saint Marys Hospital in 1889
- Trained to be the first nurse anesthetist at Saint Marys
- Trained the Sisters of Saint Francis on the basics of nursing care
- Married Charles Mayo, MD, in 1893 and raised eight children

**1893**

### Edith Graham Mayo

Edith Graham marries Charles H. Mayo, MD, trains her successor, Alice Magaw, RN, and leaves her nursing career.



**1899**

### Alice Magaw

Alice Magaw publishes the first journal article authored by a nurse anesthetist. It documents her success delivering open drop ether. She publishes five more articles during her career. Dr. Charlie names her the “Mother of Anesthesia” for her skills with open drop ether.

*Alice Magaw delivering anesthesia.*

**1914–1918**

### Wartime demands

Nurse anesthetists at Mayo educate many nurses who serve during World War I.





## 1956 CRNA designation

Dr. Hartridge is named Mayo's nurse anesthesia education program director and prepares a didactic program with a 24-month rotating lecture cycle.

—  
Certified Registered Nurse Anesthetist (CRNA) becomes the official title to describe a nurse anesthetist who meets the standard requirements for AANA membership.

## 1924 John Lundy, MD

John Lundy, MD, joins Mayo Clinic as an anesthesiologist and oversees nurse anesthetist training. Mayo employs 18 nurse anesthetists.



## 1964 Structured admissions

Mayo Clinic forms the Nurse Anesthesia Education Committee to create a more structured admissions process for CRNA Program applicants.

## 1931 National organization

The National Association of Nurse Anesthetists forms and later changes its name to the American Association of Nurse Anesthetists (AANA). The AANA develops a certification program for nurse anesthetists.

## 1942 Post-anesthesia observation room

Saint Marys Hospital opens a room to monitor patients immediately after surgical anesthesia, the first post-anesthesia observation room.

## 1930–1950 More formalized education

Dr. Lundy formalizes nurse anesthesia education at Mayo Clinic, with classroom instruction by staff anesthesiologists and experienced nurse anesthetists.

## 1937 Florence McQuillen

Florence McQuillen, Mayo Clinic nurse anesthetist, begins editing "Anesthesia Abstracts." McQuillen later becomes the first AANA executive director and implements a NA accreditation process.



## 1950 First curriculum

Mayo Clinic physician Virginia Hartridge, MD, organizes the first curriculum to train nurse anesthetists at Mayo Clinic.



## 2014 125 years of NA education

Mayo Clinic marks 125 years of nurse anesthesia education.

—  
First students enter Doctor of Nurse Anesthesia Practice Program (DNAP).

## 1970 Mayo School of Health Sciences

New Program Coordinator Robert Johnson, CRNA, MA, organizes clinical rotations through all specialty areas.

—  
The CRNA program is one of the first programs in what's now called Mayo School of Health Sciences.



## 2017 End of master's era

The last master's degree will be conferred.

## 2018 First DNAP graduation

Graduation for the first DNAP Entry-Into-Practice Program students.



## 1998 Master of Nurse Anesthesia

The first Master of Nurse Anesthesia class graduates, with 14 entry-to-practice program graduates and 15 CRNA degree-completion graduates.

## 1979 Annual seminars

Mayo Clinic hosts the First Annual Mayo Clinic Seminar for Nurse Anesthetists, an education event that now draws about 200 CRNAs.



*Sarah LoBue and Liana Madsen present a poster at the Annual Mayo Clinic Seminar for Nurse Anesthetists in 2014.*

## 2010 Doctorate planning

Planning begins to convert the Master of Nurse Anesthesia Program to a Doctor of Nurse Anesthesia Practice (DNAP) Program.

CELEBRATING  
**125**  
YEARS  
of  
Nurse  
Anesthesia  
Education

## Mayo launches Doctor of Nurse Anesthesia Practice Program

In 2014, the first two groups of students started work on doctorate degrees in Nurse Anesthesia at Mayo School of Health Sciences (MSHS).

"It was a remarkable way to mark the 125th anniversary of nurse anesthesia at Mayo Clinic," says Mary Shirk Marienau, CRNA, PhD, director, Nurse Anesthesia Program.

About four years ago, Nurse Anesthesia Program leaders began work to convert the 30-month Master of Nurse Anesthesia (MNA) program to a 42-month Doctor of Nurse Anesthesia Practice (DNAP) Entry-Into-Practice program. This change was initially mandated by the nursing profession for all advanced-practice registered nurses (nurse anesthetists,

nurse practitioners, clinical nurse specialists and nurse-midwives).


"It took a while to get our heads around what value we could add by moving to the doctorate degree," she says. "We have developed a curriculum that prepares our nurse anesthetists to better see the big picture of health care and patient-centered anesthesia delivery."

This doctorate program, designed for experienced nurses with bachelor's degrees, teaches all the skills required for a practicing nurse anesthetist including preanesthetic preparation, anesthesia induction and maintenance, and post-anesthetic care.

*Kristi Groves, CRNA, MNA, and Robyn Finney, CRNA, MNA, are the first students enrolled in the Doctor of Nurse Anesthesia Practice Postgraduate Degree Program.*

At the same time, work was underway on a Doctor of Nurse Anesthesia Practice Postgraduate Degree Program. This program is for certified registered nurse anesthetists (CRNA) with master's degrees who want to broaden their skills in research, improve patient outcomes and incorporate evidence-based practice into care. Two students have started this track and have up to five years to complete their degrees.

Ten members of the core program faculty and staff, along with support from the Mayo Clinic Department of Anesthesiology, Mayo Clinic College of Medicine and MSHS worked on the transition from master's to doctorate degree. It culminated in accreditation in October 2013 by the Council on Accreditation of Nurse Anesthesia Educational Programs.

"Our program is one of the longer DNAP entry-into-practice programs in the country; we did not want to give up our strong clinical experience to accommodate the additional didactic and research demands of our doctorate degree," says Marienau. "Graduates will leave the program ready to fully provide outstanding anesthesia care in all settings." 

*Class of 2018:  
Twenty-five students  
started the MSHS  
DNAP Entry-to-Practice  
Program in 2014.*







## Nurse Anesthesia Program — It's a family affair for the Ahles

*Brothers, sons and daughter-in-law drawn to same career*

A career as a nurse anesthetist runs in the Ahle family.

The tradition started with John Ahle, who worked at Mayo Clinic as a nurse anesthetist for 28 years before retiring to work locum tenens. He now works at a Ladysmith, Wisconsin, hospital, close to his lake home.

The Ahles, from Rochester, are a Mayo Clinic family. John's mother, Elizabeth, was a registered nurse. His three sisters have had careers at Mayo Clinic. His older brother, Mike, started the Nurse Anesthesia (NA) Program at Mayo School of Health Sciences (MSHS). Mike later changed paths and worked in state government.

John, already working at Mayo as a high school student, was influenced by Mike. "I was an orderly and liked the environment and helping patients," John says. "Mike recommended the NA Program to me. I developed a plan, including how to pay for my education."

John served in the U.S. Marine Corps from 1973 to 1975, knowing the GI Bill would help finance his

education. He earned an associate degree in nursing and was accepted at the MSHS NA Program.

John's younger brother, Mark, followed his brother's career path in nurse anesthesia. He graduated from the MSHS NA Program in 2005 and practices at Mayo Clinic.

Mark remembers a conversation with John that influenced his career change from construction, where he worked for a dozen years, to nursing. "We were on the way to northern Minnesota for a fishing trip. John's sons, Barrett and Sam, about 9 and 6, were asleep in the backseat," he says. "John talked about the challenges and rewards of being a nurse anesthetist. That was a pivotal moment in my decision to pursue this career."

John wonders if his sons were listening.

"It surprised me when each of my sons — and then my daughter-in-law, Heidi — went into nursing," says John, whose wife, Cherrie, works at Mayo Clinic as a surgical nurse in outpatient surgery. "It really


*Left to right: Barrett Ahle, Samuel Ahle, Heidi Ahle, John Ahle and Mark Ahle.*

surprised me when all three decided to pursue anesthesia."

Barrett and his wife, Heidi, are nurse anesthetists at Mayo Clinic. Sam is a student in the NA Program, and his wife, Cassy, an intensive care unit nurse at Mayo, is considering nurse anesthesia education.

Heidi (Nichols) Ahle, also grew up steeped in Mayo Clinic. Her mom was a cardiac nurse at Mayo and now works in outpatient orthopedics. In 1988, her dad was Mayo's first successful heart transplant recipient.

"I learned about anesthesia nursing from Barrett because of his dad," she says. "I can't imagine a better experience than the one we had at MSHS."

John agrees with his daughter-in-law's assessment. "Mayo is a great place to train, and you gain a wealth of experience from complex cases," he says. "I'm proud of my family members and their accomplishments." 

# Rotations deliver training to nurse-midwife students



**T**he 40 to 60 babies delivered monthly by the Mayo Clinic midwife service are not only bundles of joy, they are learning opportunities for nurse-midwife students.

The Nurse-Midwifery Clinical Rotations Program provides the experience students need to become certified nurse-midwives (CNMs). CNMs are advanced-practice nurses who provide obstetrics and gynecology services for low-risk patients. And they are in big demand, much like nurse practitioners and advanced-practice nurses in other specialties.

More than 13,000 CNMs attended 313,000 births — representing 11.8 percent of vaginal births or 7.9 percent of total births — in the United States in 2012, according to the National Center for Health Statistics.

Although best known for providing care during labor and delivery, nurse-midwives are the nursing counterpart to obstetrics-

gynecology physicians, providing care for the entire continuum of women's health, including menopause.

"It's cost-effective care," explains DeAnna Griebenow, CNM, RN, director of the Nurse-Midwifery Program at Mayo School of Health Sciences (MSHS). When there are no risk factors, patients can opt to see an advanced-practice nurse for their care.

Students in the clinical rotation program must be a licensed Minnesota registered nurse enrolled in a master's or doctoral program. Under the supervision of CNMs, nurse practitioners and physicians in the outpatient clinic and the hospital's labor and delivery unit, students receive up to five months of training in:

- Prenatal care
- Labor and delivery
- Postpartum care
- Gynecologic care
- Primary care

Griebenow became a CNM 14 years ago after attending the University of Minnesota Nurse-Midwifery Program and an informal clinical rotation at Mayo Clinic in Rochester. She was the third CNM at Mayo Clinic. Now there are 10.


"It used to be that a nurse-midwife student would contact a CNM and ask to follow her around for a couple of months," Griebenow recalls. "My experience motivated me to work with students. I took on the idea of clinical training being more formal. I approached MSHS and the Obstetrics and Gynecology Department, and they accepted the program in 2009."

The program accepts four students a year. "Students want to put the Mayo name on their resume, and there's a limited number of places that accept learners for clinical rotations," Griebenow says.

MSHS works with three nurse-midwife programs:

- University of Minnesota School of Nursing, Minneapolis
- Frontier Nursing University, Hyden, Kentucky
- Georgetown University School of Nursing & Health Studies, Washington, D.C.

"We connect closely with those programs to know what their students are learning before they come to MSHS," Griebenow says.

Students who receive a certificate from MSHS and a master's degree or doctorate from an accredited nurse-midwifery program are eligible to take the national certification exam. 



**"My experience motivated me to work with students. I took on the idea of clinical training being more formal."**

— DEANNA GRIEBENOW

## Cortney White

**Education:** Bachelor of Science in nursing from Loyola University, Chicago. Master's in nursing from Georgetown University School of Nursing & Health Studies, Washington, D.C. Graduated in September 2014.

**Career:** A registered nurse for 13 years, mainly in emergency nursing and critical care, in Chicago and Denver. Quit her job to focus on clinical rotations en route to becoming a certified nurse-midwife and a nurse practitioner in women's health.

**Motivation:** She and her husband went through fertility testing and two unsuccessful attempts at in vitro fertilization. "I was unable to have children of my own, so I decided that I would help women have healthy babies and families. I got a new career out of that experience."

**About her Mayo rotation:** "I was able to do 22 deliveries. I learned so much from the nurse-midwives. I did not anticipate enjoying it as much as I do. Initially, I was more interested in women's health. Now I would like to work as a midwife, helping to take care of women throughout their lives, and eventually work with infertility patients."

**Trivia:** Was able to attend Georgetown University without leaving home in Denver because the program converted to distance learning.



## Laura Baartman, RN

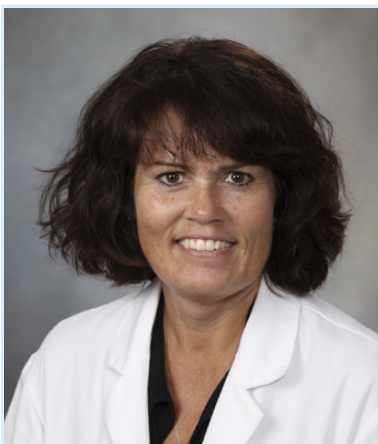
**Education:** Bachelor of Science in nursing at the University of Wisconsin–Eau Claire. Plans to graduate in May 2015 with a doctor of nursing practice in nurse-midwifery from the University of Minnesota School of Nursing in Minneapolis.

**Career:** A registered nurse for six years in the medical gastroenterology, colorectal surgery and neonatal intensive care units at Mayo Clinic in Rochester.

**Motivation:** "Even as a young girl, I always wanted to be a midwife and deliver babies. I went back to school because I knew I wanted to work with women, infants and their families."

**About her Mayo rotation:** "The whole rotation confirmed my desire to be a nurse-midwife. I felt myself blossom as a nurse-midwife student. I started out not confident and mostly observing. By the end, I was seeing patients on my own. I also delivered my first baby there, so it will always be special to me. I delivered 12 over two months. All 10 nurse-midwives at Mayo are amazing at what they do."

**Trivia:** Born at Mayo Clinic Hospital—Methodist Campus and raised in Rochester.



## A leader among nurse-midwife educators

**DeAnna Griebenow**, director of the MSHS Nurse-Midwifery Program, received the 2014 Outstanding Preceptor Award from the American College of Nurse-Midwives (ACNM). The award, presented in May, recognizes an educator who has shown outstanding qualities for leadership and teaching, been a mentor for multiple students, and repeatedly promoted the standards of midwifery education.



## A 40-year partnership to train operating room experts

**W**hen graduates of the Surgical Technology Program at Rochester Community and Technical College (RCTC) walk into an operating room (OR) for their first day on the job, they are ready.

The RCTC Surgical Technology Program is a clinical affiliate of Mayo School of Health Sciences (MSHS), with much of the students' clinical work completed at Mayo Clinic Hospital – Rochester. The program and the collaboration marked a 40-year anniversary in 2014.

Michael Sarr, MD, a Mayo Clinic surgeon who served as a surgical liaison for the program for more than 10 years, has seen firsthand the value the graduates bring to Mayo Clinic. "I've found the people who come through this program to be fantastic," he says. Since 1974, the program has graduated about 1,000 students. In the last 10 years, 74 percent of graduates have been hired by Mayo Clinic.

"We rely on a technologist's expertise," says Dr. Sarr. Surgical

technologists prepare the operating room before a procedure, set up the surgical equipment and instruments, ensure a sterile environment, and pass instruments and supplies to the surgical team during an operation.

### **Filling an important need**

The idea for the Surgical Technology Program originated with Beth Busho, then a nurse manager at Saint Marys Hospital, who wanted professionals specifically trained as technologists in surgery.

Students Cathy Gossman and Shayn McDonald work with Jane Kruger in a training laboratory. Kruger leads the Surgical Technology Program at Rochester Community and Technical College.

At Busho's urging, Rochester Area Vocational Technical Institute, as RCTC was then called, launched Surgical Technology as a nine-month diploma program. Originally, the students' clinical experience was at Saint Marys Hospital. In time, clinical rotations included Rochester Methodist Hospital as well as community hospitals throughout southeastern Minnesota.

In the mid-90s, based on a recommendation from the Association of Surgical Technologists, the program expanded from nine months to two years. Instead of a diploma, students now earn an associate of applied science degree.

"When our students graduate, they are ready to be on their own and function well on a wide range of surgical procedures," says Jane Kruger, who leads the Surgical Technology Program at RCTC.



### Offering robust experience

There are more than 450 accredited surgical technology programs in the United States. What sets the RCTC program apart, according to Kruger, is the depth and breadth of clinical experience participants receive while they are still students.

"Our students benefit greatly by having the opportunity to be in operating rooms at Mayo Clinic," says Kruger. "They scrub on very complex procedures and see surgeries during their clinicals that it's unlikely they would have an opportunity to be involved in anywhere else."

Surgical technology students participate in 500 hours of clinical work. Paired with an experienced certified surgical technologist who mentors them, they spend time in all surgical specialties and rotate through outpatient surgery areas. They also have a four-week rotation at a smaller community hospital.

### Creating reliable professionals

"By the time they are through with training, these students are fluid and confident in their ability to perform well in the OR under many circumstances, and they quickly become an integral part of the surgical team," says Sheri Zastrow, MSHS program director for the Surgical Technology Program and surgical services education supervisor.

## Surgical technologist salaries and job outlook

### Median hourly pay

\$23.22/hour or about \$48,000 a year


### Job outlook

Employment was predicted to grow 25 percent from 2008 to 2016 because of the increasing volume of surgeries.

— U.S. Department of Labor

Kruger says that career opportunities for graduates of the Surgical Technology Program are very good, especially for students who pass the National Board of Surgical Technology and Surgical Assisting certification exam to become certified surgical technologists.

"Many hospitals and health care organizations make it a condition of employment," says Kruger. Students are strongly encouraged to pursue certification.

Dr. Sarr, who has worked with dozens of program graduates, is pleased to work side by side with them. "They are consistently well-trained, dedicated and loyal members of our team who take their jobs very seriously." 

“I’ve found the people who come through this program to be fantastic.” – MICHAEL SARR, MD



## Surgical Technology alumni through the decades

**BOB SALAYI 1978**

**DIANE SACKETT 1984**

**Why surgical technology?** I was a Navy medic first. When I got out of the service, I worked for a hospital in Virginia in a pathology lab. One of the people who worked in surgery told me about what surgical technologists do. It sounded interesting.

**Why this program?** I'm a Jersey boy. But I met my wife in the service, and she's from South Dakota. We wanted to move to the Midwest after our oldest was born. At the time, the Surgical Technology Program was offered through the technical college. The clinicals were at Saint Marys Hospital. I got in, we moved out here, and I've been here ever since.

**Career so far?** After graduation, I worked for three years at what is now the Federal Medical Center. At the time, it was the state hospital. They closed it in 1981, and Mary Brigh opened that same year. I started at Saint Marys in September of '81 and have worked here for 33 years. Right now, I work in ENT, ophthalmology, pediatrics, and oral and maxillofacial surgery.

**Biggest changes you've seen?** There have been many advances within the surgical arena over the years, especially in endoscopic procedures, including minimally invasive and robotic surgeries. The advances in technology are beyond anything I could have ever imagined at the beginning of my career. You have to stay abreast of what's happening. It's challenging, but I like that.

**Why surgical technology?** I wanted to be able to help people, and I felt that surgery would be an exciting field. My parents couldn't believe I was doing this because I didn't like the sight of blood. I explained to them that wasn't what it was all about. I've done it for 30 years now. It has been absolutely the right line of work.

**Your work today?** I'm a surgical first assistant at Olmsted Medical Center. I help the doctors position patients before surgery, and I help during the procedure. I also do closures for the doctors.

**How did you get here?** From 1984 to 1988, I worked at Saint Marys Hospital. Then I switched to Olmsted, and I've been a first assistant ever since. The years of experience at Saint Marys were wonderful preparation for this work.

**Training beyond graduation?** I do continuing education on a regular basis. I've always kept my certification over the years even though in my current role it is not required. I wouldn't want to be in a situation where the technology is unfamiliar. I love keeping up on the knowledge and changes in the field.

**Advice for new grads?** When you're new, the OR can be nerve-racking. When I first started, there were times my nerves would get me shaking a little. But rely on your training and ask questions when you need to. Take time to develop your skills and confidence. Learn as much as you can from the people around you.



**DARLA NEWCOMB 1996**

**Why surgical technology?** After several years in college working toward a nursing degree, I wasn't sure that was the right path. So I reconsidered what I really wanted to do. I talked to my sister, who is a certified surgical technologist. We discussed what she did in the operating room, and it sounded very interesting. I decided to give it a shot, and it has been great.

**Thoughts on the program?** RCTC's program is phenomenal. I was so well-prepared for the OR. My training made me an expert in the areas critical for surgical technologists. I know how to protect my instruments and maintain the sterile field at all times.

**Your career path?** When I was hired at Mayo, I was a temp in orthopedics at Saint Marys. From there, I was hired on full time. I went to general urology surgery. But as job postings came up, I moved around a bit. Currently, I'm at Mayo Clinic Hospital – Methodist Campus where I've worked in gynecologic surgery for 15 years. I'm also part of the in vitro fertilization team.

**Highlight of your work?** I enjoy being part of health care geared toward women. It's interesting being a woman myself, of course, but I have four daughters, too. That makes it even more important to me.




**MOHAMED JAMA 2006**

**Why surgical technology?** I had worked at Mayo for some time. I saw what surgical technologists do, and I decided I wanted to pursue that kind of work.

**Why this program?** Because being at Mayo already, I knew that the program was good. The students receive excellent training. I also wanted to stay with Mayo Clinic. It's a great place to work. I wasn't interested in going anywhere else.

**Best part of your training?** The clinical rotations. As a student, I was in on many, many surgeries. There was a wide range of interesting and unique cases. I believe the experience I received during clinicals was superior. It prepared me very thoroughly for the work I do as a certified surgical technologist.

**Your work now?** I started in thoracic and vascular surgery at Mayo Clinic. Then I moved to the Methodist Campus in urology and transplant surgery. Two years ago, I switched to Saint Marys. Since then, I've worked mainly in trauma and critical care. I am in the float pool, so I can work anywhere in the hospital.

**What do you enjoy most?** Two things: the teamwork and helping patients. Mayo Clinic's value that the needs of the patients come first is true. That's always the goal. And in the OR, we're not working as individuals to make it happen. We always work as a team. That makes a big difference for our patients, and it makes my work enjoyable. 



ASSOCIATE DEAN BRAD KARON, MD, PHD

## 'Phlebotomy Top Gun' heads MSHS academic affairs

**W**ith the man behind "Phlebotomy Top Gun" now an associate dean for Mayo School of Health Sciences, expect more innovative maneuvers from this advocate for allied health professionals.

Brad Karon, MD, PhD, associate dean for academic affairs since March 2014, has a history with MSHS. As vice chair of education for Mayo Clinic's Department of Laboratory Medicine and Pathology (DLMP) in Rochester, Minnesota, he oversaw seven MSHS programs.

"DLMP has a fairly large footprint within MSHS," Dr. Karon explains. "Over time, I developed more and more interest in allied health education."

A member of the MSHS Education Committee since 2011, Dr. Karon also served as medical director of both the Medical Laboratory Science Program and the Phlebotomy Technician Program.

At the annual Mayo Medical Labs Phlebotomy Conference, Dr. Karon takes center stage for "Phlebotomy Top Gun," where attendees strafe him with questions from their practices, and he fires back with the latest evidence.

"I enjoy sharing my knowledge," says Dr. Karon, the recipient of the MSHS 2013 Outstanding Physician/Scientist Educator Award. "I get satisfaction from interacting with learners and watching them grow."

### Eager to teach

Dr. Karon came to Mayo Clinic in 2004 in search of opportunities for teaching and leadership after five years in a community pathology practice at a Las Vegas hospital.

"What I missed most was the ability to interact with students and learners on a daily basis," Dr. Karon says. "When you're interacting with learners on a regular basis, it keeps

"I enjoy sharing my knowledge. I get satisfaction from interacting with learners and watching them grow."

– BRAD KARON, MD, PHD


things fresh. They force you to look at things from a different perspective."

In his new role, Dr. Karon chairs the MSHS Academic Affairs Committee, which oversees more than 120 training programs and 60 career programs. He also directs progress on MSHS strategic priorities aimed at more efficient delivery of more effective education, including interprofessional education and blended learning.

Interprofessional education brings together students from different programs to learn in multidisciplinary settings. Dr. Karon foresees more joint classes involving multiple MSHS programs plus more classes that combine MSHS students, medical students, residents and fellows.

"We're partnering with Mayo Medical School to explore opportunities for learners to become part of multidisciplinary teams so they can learn the teamwork that is needed to provide the best care possible," Dr. Karon says.

Blended learning supplements traditional classroom activities and hands-on training with online instruction.

"We're advancing in blended learning with more online education within the school," Dr. Karon says. "And we're looking at how to make use of MSHS online content and tools beyond Mayo Clinic's campus in Rochester. There's no reason we can't export quality education outside our walls." 



# GRADUATION ISSUE

**Mayo School of Health Sciences**

*Congratulations to the Class of 2014! Students graduated from or completed rotations in more than 128 MSHS programs. Meet many of them here.*



# Audiology Externship — Arizona

## Program Update

Two students completed clinical fellowships as part of their doctorate of audiology training. Clinical rotations focused on cochlear implants, vestibular testing, hearing aids and diagnostic testing. In addition, they participated in research projects that were presented at national audiology conferences.

## With Distinction

An article written by **Ashley Zaleski** titled “Vestibular evoked myogenic potentials in patients with vestibular migraine” was accepted in the *Journal of Otology & Neurotology*.

## Class Notes and Employment

**Brittany Dowling**

Clinical audiologist  
Mayo Clinic  
Rochester, Minnesota

**Ashley Zaleski**

Research audiologist  
Walter Reed Army Medical  
Center  
Washington, D.C.



*Brittany Dowling, Ashley Zaleski, students; Sarah Oakley Holbert, AuD, associate program director; Michael Cevette, PhD, program director*

# Audiology Externship — Rochester

---

## Program Update

The ninth year of the Audiology Externship included clinical rotations in newborn hearing screening, pediatric and adult diagnostic audiology, vestibular/balance assessment, cochlear implant evaluation and programming, and hearing aid selection and fitting.

Extern **Rachel Magann Faivre** received her clinical Doctorate in Audiology (AuD) from Northern Illinois University on May 9, 2014. Her capstone project was titled “Effects of Hearing Loop Systems on Speech Understanding and Sound Quality in Real World Listening Environments.”

Magann Faivre completed her externship at Mayo Clinic’s Rochester campus on May 30, 2014, and then participated in a three-month internship with Audigy Group, a business management company in Portland, Oregon, for hearing health care professionals.

Her short-term plans include an Audigy University training program for new AuD graduates interested in private practice.

## With Distinction

**Rachel Magann Faivre** and her Northern Illinois University classmate **Liz Tusler** won the inaugural American Doctors of Audiology (ADA) Business Plan Competition. The plan was judged on factors including creativity, feasibility, completeness and professionalism. The pair was awarded a \$5,000 cash grant to put toward their future business interests.

## Class Notes and Employment

**Rachel Magann Faivre** Private practice audiology clinic  
Oklahoma City, Oklahoma



*Kathryn Kerst, MA, program director; Rachel Magann Faivre, student; and Neil Shepard, PhD, medical director*

# Cardiovascular Invasive Specialist

---

## Program Update

This was the third consecutive year of 100 percent job placement at the time of graduation.

**Allan Mirehouse**, RCIS, clinical coordinator, is transitioning back to clinical practice and will be leaving the Cardiovascular Invasive Specialist (CVIS) Program. The Cardiac Catheterization Laboratory and the CVIS Program thank him for many years of clinical expertise and academic instruction that he shared with students.

**Jeff Blomquist**, RCIS, is now part-time clinical coordinator for the program.

## Class Notes and Employment

**Jessica Butler**

University of Wisconsin  
Hospital and Clinics  
Madison, Wisconsin

**Heather Caron**

Mayo Clinic Health System –  
Franciscan Healthcare  
La Crosse, Wisconsin

**Jason Rucinski**

St. Luke's UnityPoint – St. Luke's  
Sioux City, Iowa



*Jessica Butler, Jason Rucinski, Heather Caron, students*

# Clinical Neurophysiology Technology

## Program Update

The Clinical Neurophysiology Technology Program Class of 2014 graduation ceremony was Aug. 6. The graduates received a certificate of completion from Mayo School of Health Sciences (MSHS) and an Associate in Applied Science degree from Rochester Community and Technical College.

The Clinical Neurophysiology Technology Program benefited from the MSHS Blended Learning Project. This opportunity, funded by a benefactor, allowed the program to develop a combination of in-class and online learning. As a result, the program now has didactic courses blended in a Web-enhanced format offered through Blackboard.

All four graduates passed part one of the Registered Electroencephalographic Technologist exam. This was the first year that students took the exam prior to graduation.

## With Distinction

**Jan Buss**, R NCS T R EP T, program director, was presented the Excellence in Teaching Award.

**Deedra Gillis**, R EEG T, clinical neurophysiology technologist, EEG Laboratory, Mayo Clinic, was honored with the Outstanding Technical Mentor award.

Student **Phirum Pheak** received the Kathy Mears Education Scholarship.

## Class Notes and Employment

<b>Tyler McKay</b>	Seeking employment
<b>Phirum Pheak</b>	Clinical neurophysiology technologist Division of Clinical Neurophysiology Mayo Clinic Rochester, Minnesota
<b>Angela Thibodeaux</b>	Clinical neurophysiology technologist Division of Clinical Neurophysiology Mayo Clinic Rochester, Minnesota
<b>Carolyn Wheeler</b>	Clinical neurophysiology technologist Division of Clinical Neurophysiology Mayo Clinic Rochester, Minnesota



*Front row: James Watson, MD, medical director, Jan Buss, program director  
Back row: Phirum Pheak, Carolyn Wheeler, Angela Thibodeaux, Tyler McKay, students*

# Clinical Pastoral Education

---

## *Program Update*

**T**hree residents graduated from the Clinical Pastoral Education Program on Aug. 7, 2014. Each resident rotated through different service lines throughout their residency experience, collaborating with a broad range of professionals at Mayo and meeting significant and unique opportunities to minister to patients and families receiving medical care at Mayo Clinic.

The residency program is an intensive experience where clergy, religious workers and seminary graduates come to learn the art of clinical interviewing and pastoral ministry in the hospital setting. The program helps residents develop their unique pastoral interviewing and assessment skills. It allows them to become board-certified chaplains in the Association of Professional Chaplains.

## *Class Notes and Employment*

<b>Tami Groth</b>	Hospital Chaplain Mercy Medical Center Dubuque, Iowa
<b>Kathryn Morin</b>	Hospice chaplain St. Croix Hospice Plymouth, Minnesota
<b>Tim Yoder</b>	Chaplain Mayo Clinic Hospital Rochester, Minnesota



*The Rev. Roger Ring, program supervisor; Tami Groth, Tim Yoder, Kathryn Morin, residents*

# 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.

Fourteen 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.

Students conducted fieldwork in the Mayo Clinic Cancer Center, Department of Medicine/Nicotine Research, Department of Otorhinolaryngology, Emergency Department, Division of Gastroenterology and Hepatology, Knowledge and Evaluation Research, and in Pulmonary clinical research. One student completed fieldwork at the University of Minnesota.

The program welcomed three new faculty members: **Tammy Neseth**, **Ian Lanza**, PhD, and **Shankar Srinivasan**, PhD.

## Class Notes and Employment

Mayo Clinic, Rochester, Minnesota

- Sarah Amundson** Associate clinical research coordinator  
Health Sciences Research – Epidemiology
- Sara Biorn** Clinical research coordinator  
Cardiovascular Research
- Shawn Fokken** Associate clinical research coordinator  
Department of Medicine  
Clinical Research Office
- Michele Johnson** Associate clinical research coordinator  
Gastroenterology and Hepatology Research

- Heather Lekatz** Associate clinical research coordinator  
Gastroenterology and Hepatology Research
- Cassandra Nelson** Associate clinical research coordinator  
Mayo Clinic Cancer Center
- Brittany Price** Associate clinical research coordinator  
Transplant Research
- Wendy Sundt** Associate clinical research coordinator  
Transplant Research
- Other*
- Connie Abernathy-Ness** Prime Time Health Advisors  
Rochester, Minnesota
- Hannah Hosotani** Student, Nova Southeastern University  
Fort Lauderdale-Davie, Florida
- Mary Jane Hurley** Seeking employment
- Josphat Lagat** Student, University of Adelaide  
Adelaide SA, Australia
- Marissa Larson** Seeking employment
- Connie Schott** Seeking employment



**Front row:** Sara Biorn, Michele Johnson, students; David Warner, MD, medical director; Cassandra Nelson, student  
**Second row:** Wendy Sundt, Mary Jane Hurley, Marissa Larson, Heather Lekatz, Sarah Amundson, students  
**Back row:** Connie Abernathy-Ness, Shawn Fokken, Josphat Lagat, Brittany Price, students  
**Not pictured:** Hannah Hosotani and Connie Schott, students

# Cytotechnology

---

## Program Update

**F**ive students were awarded certificates from the Cytotechnology Program on June 20, 2014. 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 five students passed their board exams and received certification in cytotechnology from the American Society of Clinical Pathology, helping the program maintain a first-time national certification pass rate of 100 percent.

## Class Notes and Employment

<b>Gary Jobe</b>	McLaren Northern Michigan McLaren Health Care Petoskey, Michigan
<b>Alyssa Olson</b>	LMC Pathology Services Las Vegas, Nevada
<b>Samantha Ruff</b>	Mayo Clinic Rochester, Minnesota
<b>Hailey Sauer</b>	Kettering Medical Center Kettering, Ohio
<b>Jessica Woodward</b>	Mayo Clinic Rochester, Minnesota



*Front row: Jessica Woodward, Gary Jobe, Hailey Sauer, Samantha Ruff, students  
Back row: Kara Hansing, MS Ed, SCT(ASCP)CM, program director; Alyssa Olson, student; Michael Henry, MD, medical director; Ashley McDonald, M Ed, SCT(ASCP) CM, program faculty*



# Dietetic Internship — Florida

---

## *Program Update*

The 56th class of the Dietetic Internship graduated in February 2014, and the 57th class graduated in August 2014. The program continues to excel in offering a variety of nutrition rotations, allowing interns to experience many facets of dietetic practice and career opportunities.

## *Class Notes and Employment*

Graduates are practicing in their hometowns.

### *Class #56*

<b>Erica Goldstein</b>	Jacksonville, Florida
<b>Alyssa Miller</b>	Denver, Colorado

### *Class #57*

<b>Emma Garrett</b>	Jacksonville, Florida
<b>Lacey Kurzius Mauritz</b>	Jacksonville, Florida
<b>Robyn Theuer</b>	Valencia, Pennsylvania



*Erica Goldstein*



*Alyssa Miller*



*Lacey Kurzius Mauritz, Robyn Theuer, Emily Garrett*

# 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. There have been five program directors over the decades.

In 1933, Mayo Clinic's program was the first 12-month program to be accredited by the Academy of Nutrition and Dietetics. In 2010, the program was granted continued accreditation for 10 years by the Accreditation Council for Education in Nutrition and Dietetics.

## Class Notes and Employment

<b>Danielle Bauer</b>	Life Time Fitness Minneapolis, Minnesota
<b>Kristin Eckert</b>	Mayo Clinic Rochester, Minnesota
<b>David Eschliman</b>	Seeking employment
<b>Jennifer Kanikula</b>	Seeking employment
<b>Tara Myles</b>	Mayo Clinic Rochester, Minnesota
<b>Nicole Plath</b>	Seeking employment
<b>Amanda Sullivan</b>	U.S. Department of Agriculture LeCenter, Minnesota
<b>Lisa Wester</b>	Seeking employment



*Lisa Wester, Nicole Plath, David Eschliman, Jennifer Kanikula, Tara Myles, Danielle Bauer, Kristin Eckert, Amanda Sullivan, students*

# Echocardiography

## Program Update

**E**ight students received their certificate in Adult Echocardiography at the graduation ceremony May 9, 2014.

## With Distinction

Clinical Instructor Awards were presented to **Robert Young**, RDCS, Rochester campus, and **Rose Simpson**, RDCS, Scottsdale campus.

Physician Recognition Awards were presented to **Hector Michelena**, MD, Rochester campus, and **John Lynch**, MD, Scottsdale campus.



### Rochester

**Front row:** Luke Bibby, McKenzie Watzka, Susannah Heller, Chelsey Mahoney, Ana Billehus, Katrina Tollefsrud, students  
**Back row:** Carrie Vanden Bussche, RDCS, academic coordinator, Rochester, Daniel Borgeson, MD, medical director, Joshua Finstuen, MA, RT(R), RDCS, program director, Sally Miller, RT(R), RDCS, clinical coordinator, Rochester

## Class Notes and Employment

<b>Heather Andrus</b>	Mayo Clinic Scottsdale, Arizona
<b>Luke Bibby</b>	Mayo Clinic Rochester, Minnesota
<b>Ana Billehus</b>	Children's Hospital of Wisconsin Milwaukee, Wisconsin
<b>Susannah Heller</b>	Park Nicollet Heart and Vascular Center St. Louis Park, Minnesota
<b>Chelsey Mahoney</b>	Mayo Clinic Health System – Franciscan Healthcare La Crosse, Wisconsin
<b>Adam Olson</b>	Mayo Clinic Rochester, Minnesota
<b>Katrina Tollefsrud</b>	Mayo Clinic Health System – Franciscan Healthcare La Crosse, Wisconsin
<b>McKenzie Watzka</b>	Aurora Health Care Milwaukee, Wisconsin



### Arizona

Rochelle (Shelly) Tyler, RDCS, FASE, program director;  
Heather Andrus, student  
**Not pictured:** Adam Olson, student

# Histology Technician

## Program Update

In the fall of 2013, the Histology Technician Program implemented a two-cohort model. This model helps meet the great demand for histology technicians across Mayo Clinic and nationwide.

Four students were awarded certificates at the graduation ceremony on May 16, 2014, and three students were awarded certificates at the graduation ceremony on Oct. 3, 2014.

The class of 2014 learned many valuable lessons including the importance of teamwork, effective communication and quality lab results. Each cohort completed a quality improvement project that had a direct impact on current practice within the frozen section and renal biopsy laboratories. This project was a new addition to the program and a highly successful teaching tool that the students thoroughly enjoyed.

All 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

During the 2014 commencement ceremonies, four clinical instructors were recognized for their outstanding contributions to the learning experience and dedication to student success.

Clinical Instructor Award:  
**Kelly Klein**, HTL(ASCP) CM and  
**Tiffany Mainella**, HTL(ASCP) CM

Enrichment Clinical Instructor Award:  
**Denise Hopkins**, HT(ASCP) CM and  
**Brooke McCann**, QIHC(ASCP)

## Class Notes and Employment

*Histology Laboratory, Mayo Clinic, Rochester, Minnesota*

**Alissa Bahn**  
**Trisha Dahlke**  
**Jeffrey Lien**  
**Nathan Mack**  
**Kelly Swehla**

*Other*

**Jacquelyn Michalak**      *Aurora West Allis Medical Center*  
*West Allis, Wisconsin*

**Erica Schumaker**      *Mayo Clinic Health System –*  
*Franciscan Healthcare*  
*La Crosse, Wisconsin*



### Cohort 1

*Amy Seegmiller Renner, faculty; Jacquelyn Michalak, Jeffrey Lien, Erica Schumaker, Alissa Bahn, students; Tien Tran, faculty; Michelle Nelsen, program director*



### Cohort 2

*Trisha Dahlke, student; Loren Herrera Hernandez, MD, medical director; Amy Seegmiller Renner, faculty; Michelle Nelsen, program director; Kelly Swehla, Nathan Mack, students; Tien Tran, faculty*

# Medical Laboratory Science

## *Class Notes and Employment*

*Laboratories at Mayo Clinic, Rochester, Minnesota*

<b>Kayla Briggs</b>	Neuroimmunology
<b>Emily Burgess</b>	Clinical Microbiology
<b>Benjamin Colvin</b>	Transfusion Medicine
<b>Jamie Elvert</b>	Clinical Microbiology
<b>Michael Goddeyne</b>	Clinical Microbiology
<b>Kristine Guse</b>	Cell Kinetics
<b>Jani Holthaus</b>	Cytogenetics
<b>Emma Katzmann</b>	Renal
<b>Lisha Leonard</b>	Central Clinical
<b>Tyler Marx</b>	Clinical Microbiology
<b>Julie Milbrett</b>	Endocrine
<b>Joseph Morken</b>	Hepatitis/HIV Molecular
<b>Katherine Nygaard</b>	Special Coagulation
<b>Ryan Olson</b>	Endocrine
<b>Kelsey Rule</b>	Molecular Hematopathology
<b>Kyle Segner</b>	Renal
<b>Elisabeth Steigerwald</b>	Metals
<b>Rhys Stenglein</b>	Central Clinical
<b>Kristin Volbrecht</b>	Transfusion Medicine
<b>Nicole Zinsmaster</b>	Mycology

*Other*

**Kady Appelt**

Student, Northwestern  
School of Health Science for  
Chiropractic  
Bloomington, Minnesota

**Alissa Cowell**

Jacksonville, Florida

**Alyssa Glampe**

Jacksonville, Florida

**Dustin Kopecky**

Diagnostic Laboratory Services  
Queens Medical Center  
Aiea, Hawaii



*Front row: Ryan Olson, Dustin Kopecky, Kristin Volbrecht, Emily Burgess, Kayla Briggs, Jani Holthaus, Nicole Zinsmaster, students*

*Second row: Julie Milbrett, Emma Katzmann, Joseph Morken, Michael Goddeyne, Tyler Marx, Benjamin Colvin, Lisha Leonard, Rhys Stenglein, students*

*Back row: Kelsey Rule, Elisabeth Steigerwald, Katherine Nygaard, Kyle Segner, Kristine Guse, Kady Appelt, Jamie Elvert, students*

# Medical Physics Residency

---

## *Program Update*

**T**he Medical Physics Residency graduated one resident and added two new residents in 2014. The program is now running at the full complement of four residents, two per year for two years.

The residency has experienced increased interest nationally. In 2014, 127 applicants sought the two open spots. Interest is expected to continue; in 2015, the American Board of Radiology will require a residency for board certification.

Residents conducted research projects that were accepted for presentations locally and at several national and international meetings. Two of the residents gave oral presentations at the Arizona Chapter of the American Association of Physicists in Medicine.

In 2013, the Medical Physics Residency was granted accreditation through 2015 by the Commission on Accreditation of Medical Physics Educational Programs.

## *Class Notes and Employment*

**Steve Ware**

Pursuing employment in San Antonio, Texas



*Justin Gagneur, TRP (ABR), associate program director; Steve Ware, PhD, resident*

# Molecular Genetics Technology Internship

## Northern Michigan University Diagnostic Genetics Baccalaureate Program

---

### *Program Update*

**T**his internship is offered in conjunction with the Northern Michigan University Diagnostic Genetics Baccalaureate Program. This year marked the 17th and 18th times students participated in the Molecular Genetics Technology Internship Program.

**Rory Jackson** completed the internship from July 8 to Dec. 20, 2013. His studies included a nine-week development project where he designed and developed the hereditary hemochromatosis and the galactosemia assays for the Sequenom MassArray platform. Formally, both assays were performed on the LightCycler.

**Christopher Dolan** participated in the internship from Jan. 6 to June 20, 2014. In his nine-week development project, he designed and developed an extraction technique for retrieving RNA from formalin fixed paraffin-embedded slides. He also used the extracted RNA in reverse transcriptase-polymerase chain reactions to verify the quality of the RNA.

### *Class Notes and Employment*

*Mayo Clinic, Rochester, Minnesota*

**Rory Jackson**                      Clinical laboratory technologist  
Molecular Genetics Laboratory

**Christopher Dolan**              Clinical laboratory technologist  
Central Clinical Laboratory



*Rory Jackson*



*Christopher Dolan*

# Molecular Genetics Technology Internship

## Texas Tech University Master of Science, Molecular Pathology

---

### *Program Update*

The 11th class of students from Texas Tech University participated in the Molecular Genetics Technology Internship from March 17 to May 7, 2014.

### *Class Notes and Employment*

<b>Emily Chauncey</b>	Texas Tech University Health Sciences Center Lubbock, Texas
<b>Roldan Diaz III</b>	Clinical/development technologist Parkland Hospital Dallas, Texas
<b>Mark Dubina</b>	Clinical technologist Molecular Immunology Laboratory Mayo Clinic Rochester, Minnesota
<b>Jose Torres</b>	Seeking employment Austin, Texas



*Emily Chauncey, Jose Torres, Mark Dubina, Roldan Diaz III, students*



# Nuclear Medicine Technology

---

## *Program Update*

The 38th class of the Nuclear Medicine Technology Program graduated on Aug. 22, 2014. All seven students passed their Nuclear Medicine Technology Certification board on the first attempt.

## *With Distinction*

Six students submitted research abstracts to the Society of Nuclear Medicine for presentation at the 2014 Annual Society of Nuclear Medicine Meeting. All abstracts were accepted, and the students presented their research on June 9 in St. Louis, Missouri.

**Allison Woodwick** was recognized with first place for her oncology paper in the student technologist category. **Katherine Hill** and **Allison Woodwick** were awarded student travel awards from the Society of Nuclear Medicine and Molecular Imaging.

**Lisa Fernholz** and **Allison Woodwick** were awarded travel grants on behalf of the World Federation of Nuclear Medicine and Biology to present their research at the World Federation of Nuclear Medicine and Biology Annual Meeting in Cancun, Mexico.

## *Class Notes*

**Ann Ellering**  
**Lisa Fernholz**  
**Katherine Hill**  
**Logan Linscheid**  
**Katie Murphy**  
**Sarah Rasmussen**  
**Allison Woodwick**



*Front row: Ann Ellering, Katie Murphy, Sarah Rasmussen, Katherine Hill, students  
Back row: Lisa Fernholz, Logan Linscheid, Allison Woodwick, students*

# Nurse Anesthesia

---

## *Program Update*

**T**he Master of Nurse Anesthesia Program graduation ceremony was held on March 15, 2014.

Several of the graduates' research project manuscripts have been accepted for or have been published in peer-reviewed journals. All students participated in poster presentations at the fall meeting of the Minnesota Association of Nurse Anesthetists, the 39th Annual Mayo Clinic Seminar for Nurse Anesthetists and/or the 2013 American Association of Nurse Anesthetists national meeting in San Francisco.

**Alumni support:** Thank you to alumni who have supported the Mayo Nurse Anesthetists' Alumni Association. The Alumni Awards, presented at graduation, and the Alumni Poster Award, given out during the Annual Mayo Clinic Seminar for Nurse Anesthetists, encourage students to reach higher professional and research goals. Last year, Nurse Anesthesia alumni donations were used to purchase a Genesis Mannequin, which provides students and alumni experience with insertion of spinal and/or epidural needles and catheters. This mannequin helps students prepare for their regional anesthesia experiences. Alumni have used mannequins to brush up on their regional skills when preparing for medical mission trips.

**Accreditation:** The Nurse Anesthesia Program self-study and April 2013 Council on Accreditation (COA) site visit resulted in a 10-year accreditation, the longest approval granted by the COA. Additionally, approval was received from all the necessary institutions for the July 2014 start of the Doctorate of Nurse Anesthesia Practice (DNAP) Program. (See story page 6.)

**Off-campus rotations (OCR):** OCR sites provide students with an understanding of anesthesia practice outside a large academic center. These sites are where students gain needed experience in a smaller/rural anesthesia practice and where they obtain regional anesthesia experience. Starting Sept. 2, 2014, Mayo Clinic Health System in Red Wing is now an

OCR site for the Nurse Anesthesia Program. The program continues to seek additional sites for rotations. Contact Mary Shirk Marienau, program director (marienau.mary@mayo.edu, 507-284-8331), to discuss opportunities for students to practice both general and regional anesthesia at your institution.

## *With Distinction*

### *Faculty Awards*

Nurse Anesthetist Educator Award –  
Saint Marys Campus Anesthesiology:  
**Francie Lovejoy, CRNA, MNA**

Nurse Anesthetist Educator Award –  
Rochester Methodist Campus Anesthesiology:  
**Shala Bain, CRNA, MNA**

Special Recognition Award:  
**Jo Anne Judge-Dietz, RN, MHHS**

Physician Educator Award:  
**Jeffrey Pasternak, MD**

### *Student Awards*

Robert R. Johnson Achievement Award:  
**Keri Kemp**

Gilles, Nelson, Torrance Alumni Award:  
**Jesse Stokke**

Rebecca S. Finley Alumni Award:  
**Cara Mann**

Virginia B. Hartridge Achievement Award:  
**Danelle Schneider**

Robert A. E. Devloo Book Award:  
**Lydia Mitchell**

## Class Notes and Employment

*Mayo Clinic, Rochester, Minnesota*

**Barrett Ahle**  
**Cadmar Araka**  
**Chelsey Aubart**  
**Jennifer Burckhardt**  
**Erin Christensen**  
**Megan Hofmann**  
**Sarah Kane**  
**Kristina Kemp**  
**Amy Koenig**  
**Cara Mann**  
**Lydia Mitchell**  
**Matthew Mogensen**  
**Rebekah Olson**  
**Danelle Schneider**  
**Joseph Sorenson**  
**Jenna Steege**  
**Jesse Stokke**  
**Mandi Strohm**

*Other*

**Kissinger Anusionwu**      Abbott Northwestern Hospital  
Minneapolis, Minnesota

**Anita Hadley**              Metro Anesthesia and Pain  
Management  
West Des Moines, Iowa

**Susan Hannifan**          University of Arizona Medical  
Center  
Tucson, Arizona

**Keri Kemp**                Hillcrest Hospital  
Tulsa, Oklahoma

**Jacinta Nkwonta**        Children's Hospital and  
Clinics of Minnesota  
Minneapolis, Minnesota

**Todd Opdahl**              Anesthesia Associates of Boise  
Boise, Idaho



**Front row:** Kristina Kemp, Jenna Steege, Megan Hofmann, Sarah Kane, Susan Hannifan, Mandi Strohm, students

**Second row:** Joseph Sorenson, Matthew Mogensen, Barrett Ahle, Jesse Stokke, Cadmar Araka, Todd Opdahl, Kissinger Anusionwu, students

**Third row:** Lydia Mitchell, Anita Hadley, Rebekah Olson, Danelle Schneider, Jacinta Nkwonta, Erin Christensen, students

**Back row:** Amy Koenig, Keri Kemp, Jennifer Burckhardt, Chelsey Aubart, Cara Mann, students

# Nurse Practitioner

## Program Update

The Nurse Practitioner Clinical Residency awarded certificates to 35 students. Six students were based in Eau Claire, Wisconsin.

## With Distinction

In May 2014, **Claudia Swanton**, program director, Nurse Practitioner Clinical Residency Program, and **Barbara Timm**, associate program director, Nurse Practitioner Clinical Residency Program, received their Doctor of Nursing Practice (DNP) degrees from Augsburg College, Minneapolis, Minnesota.

## Class Notes and Employment

*Mayo Clinic, Rochester, Minnesota*

<b>Michelle Carlson</b>	Neonatology
<b>Candace Dalpiaz</b>	Medical Oncology
<b>Jennifer Ellefson</b>	Colon and Rectal Surgery
<b>Amanda Glasscock</b>	Inpatient Cardiology
<b>Misbil Hagi Salaad</b>	Hematology
<b>Emily Isaacson</b>	Hospital Internal Medicine
<b>Dawn King</b>	Family Medicine
<b>Kellen Lambeau</b>	Family Medicine
<b>Jenna Miller</b>	Gynecology
<b>Bri Molin</b>	Neonatology

<b>Faye Otis</b>	Employee and Community Health
<b>Dan Radtke</b>	Inpatient Cardiology
<b>Mandy Reckward</b>	Neonatology
<b>Anna Schwecke</b>	Medical Oncology-Lung Clinic
<b>Heidi Seberg</b>	Primary Care Internal Medicine
<b>Kerry Smith</b>	Medical/Surgical/Transplant Intensive Care Unit
<b>Courtney Swenson</b>	Outpatient Cardiology
<b>Lisa Wood</b>	Family Medicine
<i>Mayo Clinic Health System</i>	
<b>Brooke Kwosek</b>	Palliative Care
	Eau Claire, Wisconsin
<b>Kayla Langhans</b>	Urgent/Express Care
	Albert Lea, Minnesota
<b>Heidi Stevermer</b>	Urgent/Express Care
	Albert Lea, Minnesota

*Other*

<b>Stephanie Kantola</b>	Essentia Health, Neonatal Intensive Care Unit
	Duluth, Minnesota
<b>Jennifer Marks</b>	University of Wisconsin Health
	Madison, Wisconsin

*Seeking employment*

<b>Diane Bruen</b>	<b>Amy Hagen</b>	<b>Jacob Pauly</b>
<b>Joel Busch</b>	<b>Tamara Isteness</b>	<b>Frances Peterson</b>
<b>Cindy Christensen</b>	<b>Jennifer Johnson</b>	<b>Jean Schulte</b>
<b>Lisa Engelhardt</b>	<b>Danielle McSharry</b>	<b>Laura Weerheim</b>



**Front row:** Courtney Swenson, Laura Weerheim, Candace Dalpiaz, Jennifer Ellefson, Stephanie Kantola, Diane Bruen, Bri Molin, Michelle Carlson, students  
**Second row:** Sarah Strahm, associate program director, Eau Claire; Amanda Glasscock, Lisa Engelhardt, Amy Hagen, Jennifer Marks, Anna Schwecke, Lisa Wood, Heidi Seberg, Jessica Witt, Emily Rude, Dawn King, Kellen Lambeau, students; Sally Heusinkvelt, associate program director  
**Back row:** Barbara Timm, assistant program director; Dan Radtke, Jennifer Johnson, Jean Schulte, Kayla Langhans, Emily Isaacson, Joel Busch, students; Claudia Swanton, program director  
**Not pictured:** Cindy Christensen, Misbil Hagi Salaad, Tamara Isteness, Brooke Kwosek, Dezeray Matott, Danielle McSharry, Jenna Miller, Faye Otis, Jacob Pauly, Frances Peterson, Mandy Reckward, Kerry Smith, Heidi Stevermer, students

# Cardiology Nurse Practitioner Fellowship

## Program Update

The Cardiology Nurse Practitioner Fellowship (CNPF) celebrates its fifth cohort this year. New learning activities focused on interprofessional education. The program added clinical observations in the Adult Congenital Heart Clinic led by Carole Warnes, MD, at Mayo Clinic's Rochester campus.

**Fadi Shamoun, MD**, is the new medical director of the fellowship, replacing **Howard Lee, PhD, MD**. We thank Dr. Lee for his support of the program.

## With Distinction

**Michelle Brown, FNP-BC**, placed first at the Mayo Clinic in Arizona Academic Excellence Day Oral Presentations with her presentation, "Radiation-Induced Carotid Stenosis." She is the co-principal investigator for IRB 14-005769, "Novel anticoagulants and bleeding complications in patients undergoing permanent cardiac device implantation."

**Sarah Benak, ANP-BC**, received the South Carolina Legislative Day Education Grant to attend the 2014 American College of Cardiology Legislative Day event in Washington, D.C.

**Tamara Redden, MS FNP-BC**, first graduate of the Cardiology Nurse Practitioner Fellowship, was presented the 2014 Allied Health Educator of the Year Award by the Mayo Clinic in Arizona Fellows Association. Redden serves on the MSHS Alumni Board of Directors. Redden will complete her Doctorate of Nursing this year at the University of Colorado.

**Marci Farquhar-Snow, MN CCRN CMC ACNP-BC**, program director, is a member of the Accreditation and Compliance Workgroup with the American College of Cardiology.

Her recent presentations include:

- "Interprofessional education using anatomy labs," Association of School of Allied Health Professionals National Conference, Orlando, Florida, with Mayo Clinic Alumni Carl Gisnarian, Massachusetts General Hospital Cardiothoracic Program.
- "Is there a provider on board: Responding to commercial airline medical emergencies," American Academy of Nurse Practitioners Annual National Conference, with Mayo Clinic alumni **Zachary Hartsell, MPAS PA-C**, director of postgraduate education and physician assistant services, Wake Forest Baptist Health.

## Class Notes and Employment

**Sarah Benak** Graduate, Vanderbilt University  
Nashville, Tennessee  
Adult-Gerontology Nurse  
Practitioner Program  
Heart Rhythm Service  
Mayo Clinic, Rochester, Minnesota

**Michelle Brown** Graduate, University of North Dakota  
Grand Forks, North Dakota  
Family Nurse Practitioner Program  
Cardiology Inpatient Service  
Mayo Clinic, Phoenix, Arizona



*Tamara Redden, past fellow; Michelle Brown, fellow; Marci Farquhar-Snow, program director; Sarah Benak, fellow; Fadi Shamoun, MD, medical director*

# Perioperative Nursing Fellowship

## Class Notes and Employment

**Jonica Carroll**

Post-Anesthesia Care Unit  
Chair, Surgical Services  
Education Committee  
Mayo Clinic, Phoenix, Arizona

**Miriyah Pieper**

General Surgery  
Mayo Clinic, Phoenix, Arizona

**Todd Risner**

Urology  
Mayo Clinic, Phoenix, Arizona

**Stacy Juris**

Post-Anesthesia Care Unit  
Mayo Clinic, Phoenix, Arizona



*Bradley Haase, MS, BSN, RN, CNOR, RN-BC, program director; Stacy Juris, RN, Todd Risner, BSN, RN, Jonica Carroll, BSN, RN, Miriyah Pieper, RN, students*

# Pharmacy Residency — Florida

## Program Update

All four Postgraduate Year One residents successfully passed their Board of Pharmacy examinations. The Postgraduate Year Two Critical Care pharmacy resident passed the Board Certification exam with a specialty in pharmacotherapy (BCPS) during the residency year. This is a first for the program.

In addition to clinical skills, the residency has added learnings in professional development including leadership skills, financial planning and community involvement.

All residents received jobs after graduation and all completed original research with plans for publication in a peer-reviewed journal.

## With Distinction

**Matthew Soto-Arenall** was awarded Preceptor of the Year.

**Matthew Curran** was awarded the Resident Research Award of the Year for original research.

## Class Notes and Employment

<b>Matthew Curran, PharmD</b>	Memorial Health Miramar, Florida
<b>Brian Griffin, PharmD</b>	Regents Medical Center Augusta, Georgia
<b>Susan Hobson, PharmD BCPS</b>	Mayo Clinic Hospital Jacksonville, Florida
<b>Farah Kablaoui, PharmD</b>	Palmetto Health Ridgeland Columbia, South Carolina
<b>Je'Laune Walton, PharmD</b>	Oak Hill Hospital Brooksville, Florida



*Deborah Crumb, PharmD, program director, PGY-1 Program; Brian Griffin, Matthew Curran, Je'Laune Walton, PGY-1 residents; Susan Hobson, PGY-2 resident; Farah Kablaoui, PGY-1 resident*

# Pharmacy Residency — Rochester

## Program Update

The 2013–2014 Pharmacy Residency Programs enjoyed another successful year. Graduation was June 27, 2014, with a commencement address delivered by Keri Bicking, PharmD, BCPS, BCNSP, Class of 2000.

In addition to providing outstanding patient care over the academic year, many graduates presented research at state or national professional meetings and served in key leadership roles within and outside Mayo Clinic. Graduates obtained teaching certificates and completed medication use evaluations, presented continuing education sessions for the interdisciplinary staff, served on various committees and further developed skills as clinical pharmacists.

## With Distinction

**Laura Myhre**, PharmD, BCPS, was recognized by the graduating class as Preceptor of the Year for 2013–2014.

**Erin Frazee**, PharmD, BCPS, was recognized by the graduating class as New Preceptor of the Year for 2013–2014.

**Kathie Grobe** was recognized by the graduating class with the Outstanding Service Award.

Residents **Kristina Marchese**, **Jessica Muth** and **Kirstin Kooda** obtained Board Certification in Pharmacotherapy Specialties (BCPS) before or during their PGY-2 residency.

**Prasanna Narayanan**, **Lauren Rupp** and **Kirstin Kooda** were recognized as finalists for the 2014 Outstanding Resident Research Award for the Minnesota Society of Health-System Pharmacists. Kooda won the 2014 PGY-2 Outstanding Resident Research Award and Rupp won the 2014 PGY-1 Outstanding Resident Research Award.

## Class Notes and Employment

### *PGY-1 Pharmacy Residency at Mayo Clinic Hospital – Rochester*

**Calvin Ice, PharmD** PGY-2 Critical Care Residency  
Mayo Clinic Hospital  
Rochester, Minnesota

**Prasanna Narayanan PharmD** PGY-2 Pharmacotherapy Residency  
Mayo Clinic Hospital  
Rochester, Minnesota

**Andrea New, PharmD** PGY-2 Critical Care Residency  
Mayo Clinic Hospital  
Rochester, Minnesota

**Lauren Rupp, PharmD** PGY-2 Oncology Residency  
Mayo Clinic Hospital  
Rochester, Minnesota

**Kristen Szempruch PharmD** PGY-2 Solid Organ Transplant Residency  
University of North Carolina Hospital  
Raleigh, North Carolina

### *PGY-1 Ambulatory Care Residency at Mayo Clinic*

**Jamie Koerner, PharmD** PGY-2 Ambulatory Care Pharmacy Residency  
St. Louis College of Pharmacy  
St. Louis, Missouri

### *PGY-1 Residency at Mayo Eugenio Litta Children's Hospital*

**Heather Standorf, PharmD** Staff clinical pharmacist  
Mayo Clinic Hospital  
Rochester, Minnesota



*PGY-2 Critical Care Residency*

**Kirstin Kooda, PharmD  
BCPS** Critical care clinical  
pharmacist  
Mayo Clinic Hospital  
Rochester, Minnesota

*PGY-2 Oncology Residency*

**Jessica Muth, PharmD  
BCPS** Oncology clinical  
pharmacist  
Mayo Clinic Hospital  
Rochester, Minnesota

*PGY-2 Pharmacotherapy Residency*

**Kristina Marchese  
PharmD, BCPS** Internal medicine clinical  
pharmacist  
Mayo Clinic Hospital  
Rochester, Minnesota



*Front row: Kristina Marchese, Prasanna Narayanan, Jamie Koerner, Jessica Muth, residents  
Back row: Kirstin Kooda, Lauren Rupp, Calvin Ice, Andrea New, Kristen Szempruch, Heather Standorf, residents*

# Phlebotomy Technician

## Program Update

All students have been certified by National Healthcareer Association (NHA) as phlebotomists. Many graduates are employed by Inpatient Lab Services, Mayo Clinic Hospital, Rochester, Minnesota.

## Class Notes

### September–November 2013

*Students and hometowns:*

<b>Ashley Clark</b>	Cresco, Iowa
<b>Steven Eng</b>	Faribault, Minnesota
<b>Tierney Goodman</b>	Rochester, Minnesota
<b>Tanya Kunda</b>	Winona, Minnesota
<b>Zuhur Muhumed</b>	Rochester, Minnesota
<b>Jamie Schembri</b>	Rochester, Minnesota
<b>Jessica Schnebly</b>	Lanesboro, Minnesota



Ashley Clark



Steven Eng



Tierney Goodman



Tanya Kunda



Zuhur Muhumed



Jamie Schembri



Jessica Schnebly

## Class Notes

### November 2013–January 2014

*Students and hometowns:*

<b>Kate Curtis</b>	Chicago, Illinois
<b>Xiaoja Deng</b>	Rochester, Minnesota
<b>Lisa Dunnette</b>	Rochester, Minnesota
<b>Jennifer Kesler</b>	Austin, Minnesota
<b>Ashley Kulish</b>	Cresco, Iowa
<b>Michael Nelson</b>	Rochester, Minnesota
<b>Sreytouch Nou</b>	Phnom Penh, Cambodia
<b>John Pitera</b>	St. Paul, Minnesota
<b>Breanna Root</b>	Wykoff, Minnesota
<b>Getahun Tebeka</b>	Rochester, Minnesota



*Front row: Michael Nelson, Sreytouch Nou, Lisa Dunnette, Ashley Kulish, Getahun Tebeka, Jennifer Kesler, students  
Back row: Xiaoja Deng, Kate Curtis, Breanna Root, John Pitera, students*

## Class Notes

February–April 2014

*Students and hometowns:*

<b>James Caffrey</b>	Spring Valley, Minnesota
<b>Zachary Domeier</b>	Oakdale, Minnesota
<b>Abdiweli Ibrahim</b>	Rochester, Minnesota
<b>Abdirahman Jama</b>	Rochester, Minnesota
<b>Henok Sahle</b>	Addis Ababa, Ethiopia
<b>MaKayla Smith</b>	Taopi, Minnesota



*James Caffrey, MaKayla Smith, Zachary Domeier, Abdirahman Jama, Abdiweli Ibrahim, Henok Sahle, students*

## Class Notes

April–July 2014

*Students and hometowns:*

<b>Rashmi Das</b>	Rochester, Minnesota
<b>Lindsey Dufner</b>	Kasson, Minnesota
<b>Melissa Githae</b>	Litchfield, Minnesota
<b>Daniel Hanson</b>	Rochester, Minnesota
<b>Kadie Hinck</b>	Lafayette, Louisiana
<b>Ashley Klassen</b>	Plainview, Minnesota
<b>Lanie Morrow</b>	Rochester, Minnesota
<b>Thai Nguyen</b>	Ham Tan - Binh Thuan, Vietnam



*Front row: Kadie Hinck, Lindsey Dufner, Rashmi Das, Ashley Klassen, students*  
*Back row: Melissa Githae, Daniel Hanson, Lanie Morrow, Thai Nguyen, students*

# Physical Therapy

---

## Program Update

The commencement ceremony for the Physical Therapy Class of 2014 was May 23. This marks the 77th graduating class for the program and the eighth year that the graduates were awarded the doctoral degree.

**Aaron Rindflesch**, PT, PhD, NCS, assistant professor of physical therapy, gave the keynote address. **Lisa Martinez** provided the student address. Twenty-eight students earned the Doctor of Physical Therapy degree. Since the first graduating class in 1939, 2,498 physical therapy students have been educated at Mayo Clinic.

## With Distinction

**Bethany Mansch** received the Outstanding Clinician Award. She was selected by clinical education faculty to recognize exceptional clinical performance by a graduating student.

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

**Arynn Darfler** and **Mallory Boor** were co-recipients of the Gordon J. Branes Award, which honors graduating students with outstanding academic achievement in the physical therapy curriculum.

**Arynn Darfler** and **Lisa Martinez** were co-recipients of the Erik J. Aasen Award, which honors graduating students who best embody the spirit of Erik Aasen. Erik, 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.

**Ryan Buus** received the MN APTA Outstanding Student Award, presented by the Minnesota Chapter of the American Physical Therapy Association, which honors a graduating student who demonstrates strong academic performance, excellent clinical performance and professional leadership.

Several Physical Therapy Program faculty members earned promotions, recognitions and honors and/or authored peer-reviewed publications in the 2013–2014 academic year:

**Nathan Hellyer**, assistant professor of physical therapy, was the keynote speaker of the Scott Azuma Memorial Lecture at St. Catherine University's Physical Therapy Program Research Day. He co-authored publications in *Anatomical Sciences Education* and the *Journal of Orthopaedic & Sports Physical Therapy*.

**John Hollman**, program director, was promoted to professor of physical therapy in the Mayo Clinic College of Medicine. He authored publications in *Clinical Biomechanics*, *Gait & Posture*, the *Journal of Sport Rehabilitation* and *Movement Disorders*.

**Dave Krause** was promoted to associate professor of physical therapy in the Mayo Clinic College of Medicine. He authored or co-authored publications in *Anatomical Sciences Education*, the *Journal of Sport Rehabilitation* and the *Journal of Strength & Conditioning Research*.

**Desiree Lanzino**, assistant professor of physical therapy, co-authored a publication in *Gait & Posture*.

**Aaron Rindflesch**, assistant professor of physical therapy, co-authored a publication in *Anatomical Sciences Education*.

**Jim Youdas**, associate professor of physical therapy, authored publications in *Anatomical Sciences Education* and in the *Journal of Sport Rehabilitation*.

## Class Notes

*Students and hometowns:*

<b>Greg Bailen</b>	Roseville, Minnesota	<b>Risha Kotecha</b>	Midland, Michigan
<b>Katherine Beed</b>	Rochester, Minnesota	<b>Stephanie Laut</b>	Naperville, Illinois
<b>Mallory Boor</b>	Sibley, Iowa	<b>Bethany Mansch</b>	Missoula, Montana
<b>Ryan Buus</b>	Sioux Falls, South Dakota	<b>Lisa Martinez</b>	Las Vegas, Nevada
<b>Jerome Crawford</b>	Philadelphia, Pennsylvania	<b>Katherine Mills</b>	Cookeville, Tennessee
<b>Arynn Darfler</b>	Helena, Montana	<b>Jessica Monthey</b>	Portage, Wisconsin
<b>Lucas Dueffert</b>	Northfield, Minnesota	<b>Jessica Myhre</b>	Appleton, Wisconsin
<b>Janelle Evens</b>	Cold Spring, Minnesota	<b>Jaclyn Postma</b>	Grand Rapids, Michigan
<b>Darren Hackey</b>	Billings, Montana	<b>Matt Rollag</b>	Colton, South Dakota
<b>Adam Halseth</b>	Sioux Falls, South Dakota	<b>Elizabeth Sander</b>	Overland Park, Kansas
<b>Ashley Jones</b>	St. Charles, Missouri	<b>Kenzie Schleicher</b>	Madison, Wisconsin
<b>Margaret Koenig</b>	Kalispell, Montana	<b>Kayla Urness</b>	Grand Forks, North Dakota
		<b>Eric Vogler</b>	Naches, Washington
		<b>Christine Waldron</b>	Lake Zurich, Illinois
		<b>Amy Walsh</b>	Cary, Illinois
		<b>Macailia Warner</b>	New York Mills, Minnesota



*Front row: Kenzie Schleicher, Amy Walsh, Jessica Myhre, Arynn Darfler, Christine Waldron, Margaret Koenig, students  
 Second row: Mallory Boor, Elizabeth Sander, Katherine Beed, Lisa Martinez, Jessica Monthey, Ashley Jones, Risha Kotecha, students  
 Third row: Matt Rollag, Eric Vogler, Jerome Crawford, Greg Bailen, Bethany Mansch, Ryan Buus, Stephanie Laut, Macailia Warner, students  
 Back row: Kayla Urness, Janelle Evens, Darren Hackey, Adam Halseth, Lucas Dueffert, Jaclyn Postma, Katherine Mills, students*

# Physician Assistant

## Program Update

All Physician Assistant students who graduated on May 10, 2014, passed the physician assistant national certifying exam.

## Class Notes

Emily Anderman  
Jordan Becker  
Twyla Clark  
Brianna Collins  
Stephanie Fink  
Sarah Glazer  
Courtney Hayes  
Chelsey Hoffmann  
Krysta Hrdlichka

Zhi Li  
Jacob Malooly  
Ashley McWalter  
Melissa Meinking  
Stacey Mroczenski  
Gabrielle Rivard  
Alaina Robie  
Matthew Rolfe  
Natalie Soukup



*Front row:* Sarah Glazer, Brianna Collins, Ashley McWalter, Jordan Becker, Courtney Hayes, Krysta Hrdlichka, students  
*Second row:* Chelsey Hoffmann, Zhi Li, Melissa Meinking, Twyla Clark, Matthew Rolfe, Emily Anderman, Natalie Soukup, students  
*Back row:* Robert Adams, associate professor of orthopedics, College of Medicine; Stephanie Fink, Ariel Engelman, Jacob Malooly, Stacey Mroczenski, Alaina Robie, Gabrielle Rivard, students

# Physician Assistant Fellowship

## Hospital Internal Medicine

---

### Program Update

The Postgraduate Physician Assistant Fellowship in Hospital Internal Medicine on Mayo Clinic's Arizona campus is proud to announce the graduation of three fellows. Fellows **Andrew Walker** and **Ginna Kauffman** were recognized at Academic Excellence Day for poster presentations. In addition, the fellows presented posters at the American Academy of Physician Assistants (AAPA) National Conference.

### Class Notes and Employment

**Kristin Yamamoto**

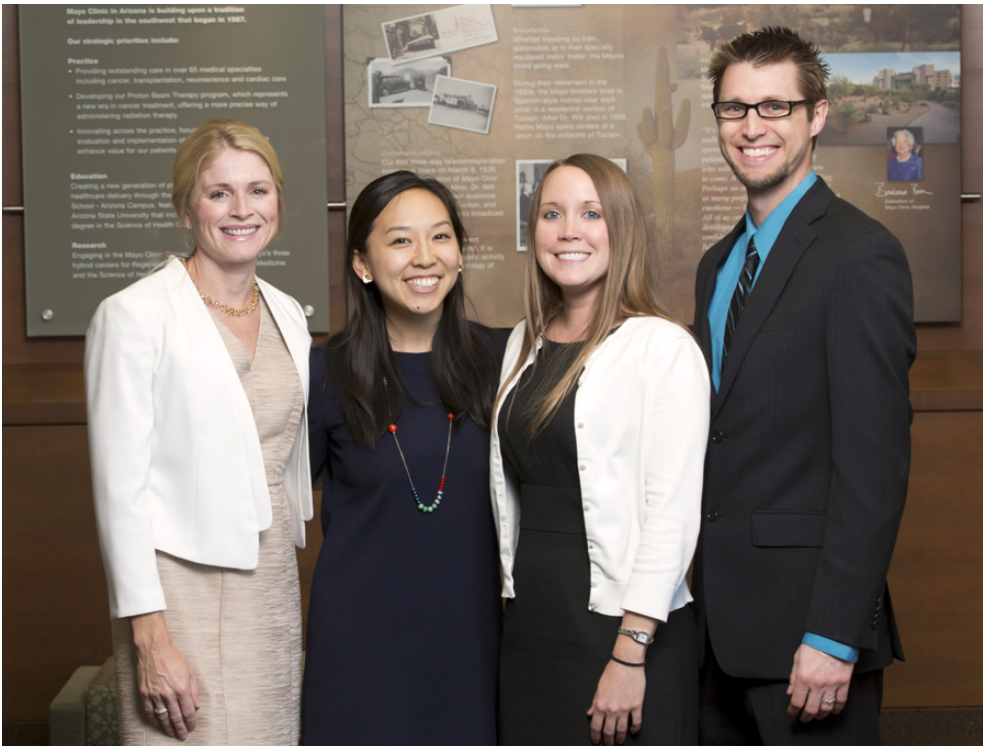
Hospitalist Track  
St. Peter's Hospital  
General Surgery  
Chertsey, England

**Ginna Kauffman**

Hematology/Oncology Track  
Mayo Clinic Hospital  
Bone Marrow Transplant  
Phoenix, Arizona

**Andrew Walker**

Critical Care Medicine Track  
Mayo Clinic Hospital  
Division of Critical Care  
Medicine and Hospital  
Internal Medicine  
Phoenix, Arizona



*Kristen Will, PA-C, program director; Kristin Yamamoto, Ginna Kauffman, Andrew Walker, students*

# Physician Assistant Fellowship Abdominal Organ Transplant

---

## *Program Update*

This is the fourth year of graduates from the Physician Assistant Fellowship in Abdominal Organ Transplant. Two associate program directors, **Amy Chervenak, PA-C**, and **Casey Hahn, PA-C**, joined the program. The didactic portion of the curriculum was extensively revised and fellow **Shira Roth, PA-C**, provided positive feedback on the added educational material. We look forward to the continued growth of our program and pursuing accreditation in the coming year.

## *With Distinction*

**Shira Roth** is submitting her final fellowship project as a manuscript to a peer-reviewed journal.

## *Class Notes and Employment*

**Shira Roth**

Practicing nephrology  
San Francisco Bay area



*Shira Roth, student; Shawna Boyle, PA-C, program director*



# Physician Assistant Fellowship

## Otolaryngology/Head and Neck Surgery Fellowship

---

### *Program Update*

**T**he 12-month postgraduate Physician Assistant Fellowship in Otolaryngology/Head and Neck Surgery at Mayo Clinic's Arizona campus is the only accredited postgraduate program of its kind for physician assistants.

Fellows spent the year rotating through 12 subspecialty areas associated with otolaryngology.

### *Class Notes and Employment*

<b>Benjamin Pierce</b>	Chesapeake Ear, Nose and Throat Baltimore, Maryland
<b>Kristina Dwyhalo</b>	Providence Health Portland, Oregon



*Carlene Donald, PA-C, program director; Benjamin Pierce, Kristina Dwyhalo, students*

# Radiation Therapy

---

## *Program Update*

**M**embers of the Radiation Therapy Class of 2014 received their Mayo School of Health Sciences (MSHS) certificates on Aug. 13. This was the 34th graduating class from the Radiation Therapy Program. This cohort of students completed the final month of the program in the new classroom in the Jacobson Building.

## *With Distinction*

**Michael Bentele, Kelli Gerdes, Hope Grein and Brittni Johnson** were recognized for graduating with high distinction, achieving a grade point average of 3.9 or higher. **Amanda Hilzendeger** and **Jessica Steffen** graduated with distinction, completing the program with a grade point average of 3.75 or higher.

**Amanda Giffey**, radiation therapist, MSHS Radiation Therapy Class of 2007, received the Clinical Educator Award.

**James Martenson, MD**, received the Didactic Faculty Award.

**David Carisch** was recognized for his 26 years of service teaching cross-sectional anatomy. Best wishes to him in retirement.

## *Class Notes and Employment*

*Mayo Clinic, Rochester, Minnesota*

**Mike Bentele**  
**Kelli Gerdes**  
**Hope Grein**  
**Brittni Johnson**

*Seeking employment*

**Amanda Hilzendeger**  
**Marshall Klein**  
**Jessica Steffen**



*Front row: Jessica Steffen, Brittni Johnson, Hope Grein, Amanda Hilzendeger, students*  
*Back row: Michael Bentele, Marshall Klein, Kelli Gerdes, students*

# Radiography Internship — Arizona

---

## Program Update

Gateway Community College's commencement exercises for the Radiology interns at Mayo Clinic's campus in Arizona took place on May 8, 2014, at North Phoenix Baptist Church. **Brianne Cleland** and **Nicole Hershey** also were honored at their senior banquet at the college on May 3 and at Mayo's graduation celebration in Waugh Education Center on June 4.

This marks the 12th year that Mayo School of Health Sciences (MSHS) has partnered with Gateway Community College's Radiography Program to provide clinical rotations for their students at Mayo Clinic Hospital and outpatient clinics. MSHS has hosted 40 students through this program, and 16 graduates work on Mayo Clinic's Arizona campus.

## With Distinction

**Janice McCarthy**, RT(R), received the Outstanding Clinical Educator Award in appreciation for her outstanding dedication and commitment to teaching radiography students in the clinical setting.

## Class Notes and Employment

<b>Brianne Cleland</b>	Mayo Clinic Phoenix, Arizona
<b>Nicole Hershey</b>	Mayo Clinic Phoenix, Arizona



*Brianne Cleland, Nicole Hershey, students; Teresa Dodd, BS, RT(R)(M), program director*

# Radiography — Florida

---

## *With Distinction*

**Amy Clappsy** received the Award for Radiography Student Excellence.

**Samantha Hechler** was honored with the Award for Outstanding Clinical Educator.

**Tara Brigham** received the Program Director's Award.

## *Class Notes and Employment*

**Danielle Bikowitz** Pursuing continued education at University of Florida Health Shands Hospital Jacksonville, Florida

**Amy Clappsy** Student, CT/MRI program Loma Linda University Loma Linda, California

**Chris Guida** Jacksonville, Florida

**Sarah Harrell** Pursuing registration as mammography technologist

**Natalie Schiller** Pursuing education in interventional radiography

**Lindsey Tressler** Working at Care Point, Jacksonville, Florida, and pursuing continued education at University of Florida Health Shands Hospital Jacksonville, Florida



*Front row: Stan Olejniczak, program director; Hillary Garner, MD, medical advisor; Sharon Jacoby, clinical instructor  
Back row: Natalie Schiller, Danielle Bikowitz, Chris Guida, Amy Clappsy, Lindsey Tressler, Sarah Harrell, students*

# Radiography — Rochester

## Program Update

The Class of 2014 represents the first all-baccalaureate class in the history of the Radiography Program. Students graduated with a certificate of completion from Mayo School of Health Sciences (MSHS) and a bachelor's degree from either St. Cloud State University, University of Minnesota Rochester or University of Sioux Falls.

## With Distinction

The commencement ceremony for the Radiography Program Class of 2014 was May 15. **Matthew Rau**, MBA, RT(R)(CT), gave the commencement address. **Corey Woxland**, BA, RT(R), clinical coordinator, served as the moderator.

These awards were presented at commencement:

Outstanding Clinical Educator	<b>Angie Jonas, RT(R)</b> <b>Sharisse Harder, RT(R)</b>
Outstanding Academic Student	<b>Bryan Rothmeier</b>
Outstanding Clinical Student	<b>Bryan Rothmeier</b>
Outstanding Student Achievement	<b>Marissa Morri</b>

## Class Notes and Employment

Twelve students have accepted employment in the Mayo Clinic Department of Radiology. Two have accepted employment at outside institutions; others are seeking employment. Two students are continuing their education in radiation therapy.

*Students and hometowns:*

<b>Muna Aw Mohamed</b>	Minneapolis, Minnesota
<b>Hannah Baumgartner</b>	Eau Claire, Wisconsin
<b>Danielle Dahl</b>	Shakopee, Minnesota
<b>Sean Fitzgerald</b>	Rochester, Minnesota
<b>Jamie Geraets</b>	Monticello, Minnesota
<b>Brittany Hemmesch</b>	Eden Valley, Minnesota
<b>Brianna Homan</b>	Stewartville, Minnesota
<b>Timothy Kohlmann</b>	Rosemount, Minnesota
<b>Tiffany Krause</b>	Lisbon, North Dakota
<b>Kenneth Krugman</b>	Waite Park, Minnesota
<b>Michaela Leier</b>	Apple Valley, Minnesota
<b>Ashley Lisson</b>	Staples, Minnesota
<b>Marissa Morris</b>	Medford, Minnesota
<b>Lindsey Poppens</b>	Aplington, Iowa
<b>Sarah Prieve</b>	Dassel, Minnesota
<b>Bryan Rothmeier</b>	Olivia, Minnesota
<b>Amanda Ruzicka</b>	Silver Lake, Minnesota
<b>Natalie Strehlo</b>	Spring Lake Park, Minnesota
<b>Amy Wilson</b>	St. Michael, Minnesota



*Front row: Muna Aw Mohamed, Brianna Homan, Michaela Leier, Ashley Lisson, Hannah Baumgartner, Marissa Morris, Jamie Geraets, students*  
*Back row: Natalie Strehlo, Danielle Dahl, Sarah Prieve, Lindsey Poppens, Sean Fitzgerald, Kenneth Krugman, Timothy Kohlmann, Bryan Rothmeier, Amy Wilson, Tiffany Krause, Amanda Ruzicka, Brittany Hemmesch, students*

# Respiratory Care

## Program Update

On May 17, 2014, the graduates walked in the University of Minnesota Rochester commencement ceremony and were presented their Bachelor of Science in Health Profession degrees.

## With Distinction

Jayden Wilhelm graduated with high distinction, earning a 3.9 grade point average or higher. Wilhelm received the 2013 H.F. Helmholtz Jr. Award.

Matthew Tamminga graduated with distinction, earning a 3.75 grade average or higher.

## Class Notes and Employment

Mayo Clinic, Rochester, Minnesota

Amanda Frieden  
Phoebe Lystrom  
Danielle Montet

Grace Offord  
Jayden Wilhelm

## Other

Dustin Alden	Corner Medical Minneapolis/St. Paul, Minnesota
Abbey Evavold	Seeking employment
Jarred Inglett	Student MSHS Surgical First Assistant Program
Mohamud Mohamed	North Memorial Medical Center Robbinsdale, Minnesota
Abdisalam Muse	Seeking employment
Matthew Tamminga	Mercy Medical Center Des Moines, Iowa



**Front row:** Abbey Evavold, Amanda Frieden, Danielle Montet, Grace Offord, Phoebe Lystrom, students  
**Back row:** Vanessa King, program director; Jarred Inglett, Matthew Tamminga, Dustin Alden, students; Bryan Wattier, clinical instructor; Jayden Wilhelm, Abdisalam Muse, Mohamud Mohamed, students; James Findlay, MB, ChB, medical director

# Sonography

## Program Update

The graduation ceremony for Sonography Program, Class of 2014, was held on May 21 in Phillips Auditorium with live video connection to Walker Auditorium in Jacksonville, Florida. Family friends, mentors and colleagues shared in the celebration of success.

## With Distinction

Congratulations to **Natalie Exsted**, recipient of the Outstanding Student Achievement Award.

Sonographers and vascular technologists recognized for outstanding clinical education were: **Tracy Haefner, Adam Peterson, Char McCarter, Amber Schiele, and Danicia Asberry.**



### Rochester

*Front row: Amanda McFadden, Krystal Ruka, Natalie Exsted, Jessica Wojcik, Tina Pranjic, students*

*Back row: Steven Braun, Kaylee Waldvogel, Keshia Kudrna, students*

## Class Notes

*Students and hometowns:*

<b>Emily Albright</b>	Middleburg, Florida
<b>Steven Braun</b>	Pardeeville, Wisconsin
<b>Natalie Exsted</b>	Glencoe, Minnesota
<b>Keshia Kudrna</b>	Dickinson, North Dakota
<b>Amanda McFadden</b>	Whitefish, Montana
<b>Tina Pranjic</b>	Rochester, Minnesota
<b>Krystal Ruka</b>	Kerkhoven, Minnesota
<b>Chloe Smith</b>	Jacksonville, Florida
<b>Kaylee Waldvogel</b>	Ettrick, Wisconsin
<b>Jessica Wojcik</b>	St. Michael, Minnesota



### Florida

*Chloe Smith, Emily Albright, students*

# Surgical First Assistant Program

## Program Update

The commencement ceremony for the second class of the Surgical First Assistant Program was Aug. 15, 2014. **Michael Silber**, MB, ChB, dean, Mayo School of Health Sciences, gave the welcome address and **Ashley Masching** provided the student address. All 12 students passed the national certification exam on the first attempt. This exam is provided by the National Commission for the Certification of Surgical Assistants. This is the second year 100 percent pass rate has been achieved by this program.

This year's students benefited from the addition of a mini-clinical experience, an opportunity to gain hands-on learning early in the program. Students observed various operating room professionals to learn the diverse expectations of each member of the surgical team. Overall student and faculty satisfaction with the added clinical experience was high.

## With Distinction

**Sarah Penkava**, program director, was appointed Instructor of Nursing.

**Ashley Masching** was named student representative for the National Surgical Assistant Association.

## Class Notes

*Students and hometowns:*

<b>Kyle Cochran</b>	Slayton, Minnesota
<b>Kayleigh Cummings</b>	Rochester, Minnesota
<b>Courtney Haedtke</b>	Rochester, Minnesota
<b>Sara Lang</b>	New Prague, Minnesota
<b>Anthony Lawler</b>	Rochester, Minnesota
<b>Hanna Lynch</b>	Eagan, Minnesota
<b>Ashley Masching</b>	Bloomington Prairie, Minnesota
<b>Meghan Moore</b>	Savage, Minnesota
<b>Jennifer Simon</b>	Prescott, Wisconsin
<b>Kathryn Wentz</b>	Rochester, Minnesota
<b>Andrea Willem</b>	Eagan, Minnesota
<b>Lucas Wittwer</b>	Rochester, Minnesota



*Kyle Cochran*



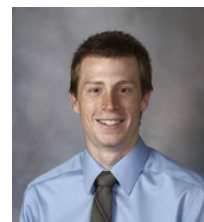
*Kayleigh Cummings*



*Courtney Haedtke*



*Sara Lang*



*Anthony Lawler*



*Hanna Lynch*



*Ashley Masching*



*Meghan Moore*



*Jennifer Simon*



*Kathryn Wentz*



*Andrea Willem*



*Lucas Wittwer*





BETHANY KROM

## Retiring from a career that encompassed many opportunities

Bethany Krom, administrator, Mayo School of Health Sciences (MSHS), says she's an introvert at heart — but admits hardly anyone believes it.

That's because over her 35 years at Mayo Clinic, she has jumped into new leadership opportunities with aplomb — in research, purchasing and education. She's active away from work, too. Krom has acted in regional theater. Her most recent gig was playing Mother Alfred Moes in Mayo Clinic's Sesquicentennial Signature Event. And, she is a board member for the Eagle Bluff Environmental Learning Center in Lanesboro, Minnesota.

"I've had tremendous opportunities to do very different things," says Krom, who is retiring from Mayo Clinic at the end of 2014.

With an undergraduate degree in chemistry and geology, she started her Mayo career in a research lab at Mayo Clinic Hospital – Rochester, Saint Marys Campus. She transferred to the Arizona campus to help establish the research shield there. When that endeavor was delayed, she shifted into Purchasing — eventually becoming the purchasing supervisor. After seven years in Arizona, she moved back to Rochester. She was named director for procurement at a time when Mayo had more than one million square feet of space under construction.

She was involved in the launch of AskMayoExpert, the start of the Mayo Clinic College of Medicine Office for Diversity, and integration efforts for the Mayo Clinic College of Medicine in the Midwest.

She joined MSHS in 2004, where colleagues say she's left an indelible mark. "Bethany is the first person that comes to mind when I think of an individual most dedicated to Mayo Clinic," says Claire Bender, MD, former dean of MSHS. "Her whole heart is in her work for students, faculty, patients and staff."

MSHS was "loose conglomeration" of programs when she first joined school leadership, says Krom. Working with Dr. Bender, Michael Silber, MB, ChB, current dean, and the leadership team, MSHS has grown into a cohesive school, with more programs, blended learning opportunities and collaborative bachelor's programs with the

**"Her whole heart is in her work for students, faculty, patients and staff."**

– CLAIRE BENDER, MD

University of Minnesota Rochester. Most recently, she's worked on the Healthcare Services Industry Council to develop more apprenticeship-like education.

Krom says her greatest contributions have been the result of making connections. "I've been able to put people and initiatives together, and good things have happened," she says.

Troy Tynsky, MSHS operations manager who will follow Krom into the role of administrator, agrees. "She inspires the team and expects us to hold one another accountable to the highest standards," he says.

In October 2014, Krom was named a Fellow in the Association of Schools of Allied Health Professions. This recognition acknowledges her contributions to promote excellence in teaching, research, service and leadership in allied health education. "It's a real honor," she says. "Most fellows have been deans."

Krom heads into retirement with a packed agenda. She'll work as an executive coach. She'll spend more time with family, including her three grandchildren. Also she plans to be more involved in community activities in Lanesboro, where her husband, Robin, is mayor.

SEEKING OUTSTANDING ALUMNI

## Nominations open for 2015 MSHS alumni award

The MSHS Alumni Association is seeking nominations for the 2015 Recognition of Outstanding Contributions. The Alumni Association will consider graduates who:

- Are dedicated to service of patients
- Promote the art and science of medicine through the education of students — in a clinical or academic setting
- Participate in 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

Self-nominations are encouraged.

More information and the nomination form are available at <http://mshsalumni.mayo.edu>. This recognition will be presented at the Alumni Association annual meeting April 24, 2015. Travel expenses will be covered for the recipient.

The nomination deadline is Jan. 31, 2015.

For more information: MSHS Alumni Association, 507-284-2317



## Alumni. Everywhere.

Connect on the updated MSHS alumni website  
<http://mshsalumni.mayo.edu>

### NEW FEATURES

- Search directory
- Personal profile
- Colleague notes
- Education
- Professional resources

**DON'T MISS OUT** — If you didn't receive a postcard or email with your website user ID, call 507-284-2317 or email [mayoalumni@mayo.edu](mailto:mayoalumni@mayo.edu)



## WE WELCOME ALUMNI AND STUDENT NEWS

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

### About *Connections* and MSHS

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

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

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

### Editorial advisory board

Robert Adams, David Ausejo, Judith Anderson, Ruth Bello, Lisa Buss, Carlene Donald, Shannon Newberg, Deborah Oscarson, Bella Panchmatia, Mary Kaye Peterson, Nell Robinson, Jamila Russeau, Amy Seegmiller-Renner, Deb Searles, Michael Schuh, Barbara Sullivan, Claudia Swanton, Ronda Willsher, Sheri Zastrow

#### Enrollment information

[www.mayo.edu/mshs](http://www.mayo.edu/mshs)  
507-284-3678 or  
1-800-626-9041 (toll-free)  
Fax: 507-284-0656  
Email: [mshsenrollment@mayo.edu](mailto:mshsenrollment@mayo.edu)

#### Alumni information

<http://mshsalumni.mayo.edu>  
Deborah Oscarson,  
Alumni Relations Coordinator  
507-284-2317  
Email: [mshsaa@mayo.edu](mailto:mshsaa@mayo.edu)

#### Stay in touch

You can update your address at the MSHS alumni website  
<http://mshsalumni.mayo.edu>  
or by emailing [mshsaa@mayo.edu](mailto:mshsaa@mayo.edu)  
or by calling 507-284-2317.

### 2014-15 MSHS Alumni Association officers and board members

#### OFFICERS

Vicki Place, Scottsdale, Arizona  
*President*

Ruthann (Randy) Roesch, Steamboat Springs, Colorado  
*President-elect*

Karen Sherk, New Hope, Minnesota  
*Vice president*

Joan Hunziker-Dean, Rochester, Minnesota  
*Secretary-treasurer*

Todd Meyer, Rochester, Minnesota  
*Past president*

Judith D. Anderson, Rochester, Minnesota  
*Alumni Center director*

Debbie Oscarson, Rochester, Minnesota  
*Alumni Relations coordinator*

#### EXECUTIVE COMMITTEE

Dancia Asberry, Jacksonville, Florida

Ruth Bello, Rochester, Minnesota  
*MSHS operations manager, ex-officio member*

Tim Fedje, Rochester, Minnesota

Bella Panchmatia, Scottsdale, Arizona  
*MSHS operations manager, ex-officio member*

Stacey Rizza, MD, Rochester, Minnesota  
*MSHS associate dean, ex-officio member*

Nell Robinson, Jacksonville, Florida  
*Division chair, ex-officio member*

Vanessa Scifres, Bellevue, Idaho

#### BOARD OF DIRECTORS

Manpreet (Matt) Bains, Fargo, North Dakota

Kimberly Bishop, Minneapolis, Minnesota

Beth Cloud, Rochester, Minnesota

Jane Deering, Muskego, Wisconsin

Carlene Donald, Phoenix, Arizona

Kerri Fitzgerald, Farmington, Minnesota

Chad Hanis, Grand Rapids, Michigan

Jill Knutson, Jacksonville, Florida

Christina Lazer, Rochester, Minnesota

Pamela Lovett, Jacksonville, Florida

Tiffany Mainella, Rochester, Minnesota

Anthony Mendez, Rochester, Minnesota

Erin Morris, Jacksonville, Florida

Ashley Mroczenski, Edgar, Wisconsin

Tamara Redden, New River, Arizona

**Mayo School of Health Sciences**

200 First Street SW  
Rochester, MN 55905

Non-Profit  
Organization  
U.S. POSTAGE  
**PAID**  
Rochester, MN  
Permit No. 259

Visit our website at:  
<http://mshsalumni.mayo.edu>

ADDRESS SERVICE REQUESTED

**SAVE THE DATE!**

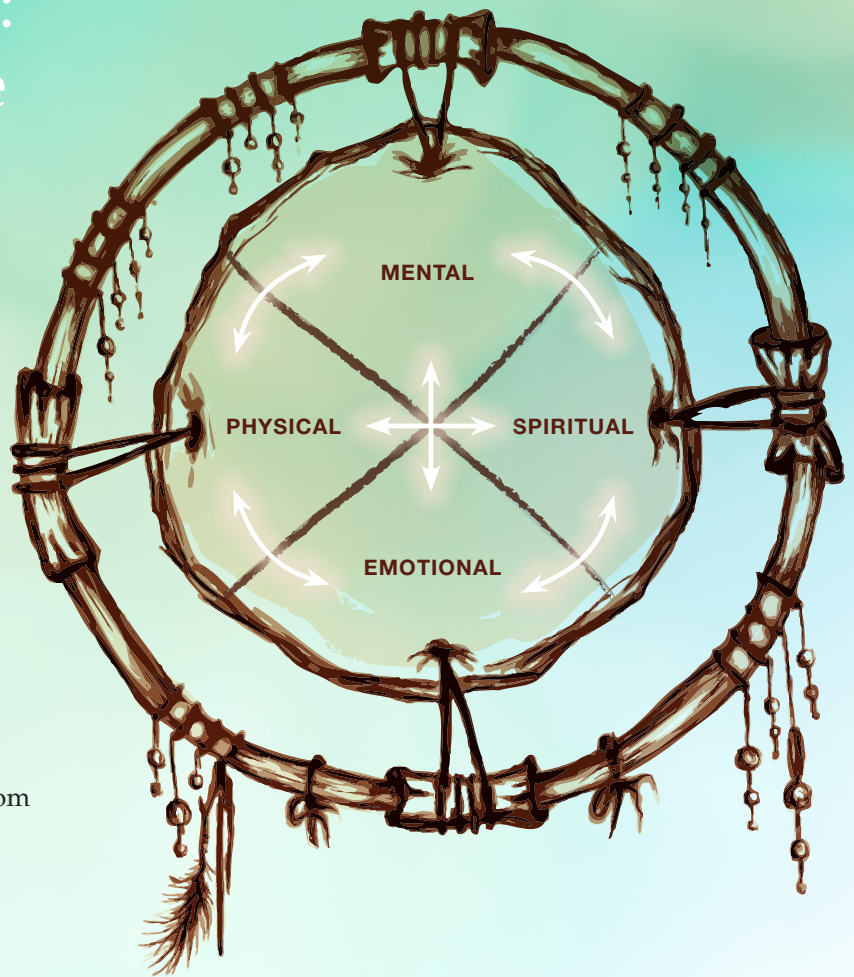
# Integrative medicine: How can we provide holistic care in the age of technology?

**MSSH ALUMNI ASSOCIATION  
ANNUAL MEETING – APRIL 24, 2015**

Keynote speaker Larry Bergstrom, MD, founder of the Integrative Medicine Clinic and Program, Mayo Clinic, Scottsdale, Arizona, will discuss:

- What is the difference between disease and illness?
- What is holistic care?
- How can the ancient symbol, the medicine wheel, become the solution to heal modern medicine?

**REGISTER** <http://mshsaa2015meeting.eventbrite.com>



Larry Bergstrom, MD