

Mayo School of Health Sciences

Connections

Fall 2009

Techie tools

*MSHS bridges distance,
enriches learning with
technology*

Right time to invest in MSHS

School launches first campaign for alumni giving

The Mayo School of Health Sciences (MSHS) Alumni Association is venturing into a new realm — one where I hope you will join us. For the first time in a formal way, we are asking for financial support from our alumni.

We haven't asked before, in part because the MSHS Alumni Association was a young organization. Now in its 11th year, the time is

right. We've had alumni ask about the process for giving. (It's easy, just use the enclosed envelope.)

And frankly, the time is right because the need has never been greater. All of our 1,000 plus students deserve financial support during this important time as they build their careers. We know that many of our students work one, two or even three jobs in addition to their studies. No one is on top of their game with that kind of schedule. Right now, because of limited funds, only 20 percent of students are awarded scholarships.

Students who do benefit from financial assistance tell our current benefactors that their support allows them to spend more time on their school work, less time working outside jobs and more time with their families. We want that for all of our students.

Philanthropy isn't only for scholarships. It's an investment in students, the programs from which you graduated, in Mayo Clinic and its patients. Our school needs that investment. Tuition covers an estimated 16.3 percent of the operating expenses associated with MSHS. Philanthropy can help cover that large gap and help us continue to offer quality programs.

In this issue of *Connections*, you'll read about two benefactors who support MSHS. And you'll read about two programs, Physical Therapy and Nurse Anesthesia, which have already established a means for alumni to support those programs.

Together, we can do even more. Any amount is valued and will make a difference. As dean, I consider it my responsibility to steward your investment, to ensure that dollars are used wisely to support our students, improve our programs and ultimately, improve patient care.

As a fellow alumna (Physical Therapy 1971), I hope you will join me in giving back. It's truly important. 



Claire Bender, M.D.
Dean, Mayo School of Health Sciences



Claire Bender, M.D.

On the cover:

Annette Marsico, left, and Nancy Ushler, students in the MSHS Echocardiography program in Arizona, review new echocardiographic techniques available to aid in the assessment of cardiovascular disease with Program Director Joshua Finstuen, RDCS.

Mayo School of Health Sciences Connections

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

Fall 2009



- 2** High-tech teaching
New interactive ways to reach, teach students



- 4** Launching new ideas
Online brainstorming for a better MSHS
- 5** What grandfather heard
Family experience makes audiologist a better clinician
- 6** Mayo trained and battle tested
Nurse anesthetist career: War, trauma, high-risk obstetrics, community hospital



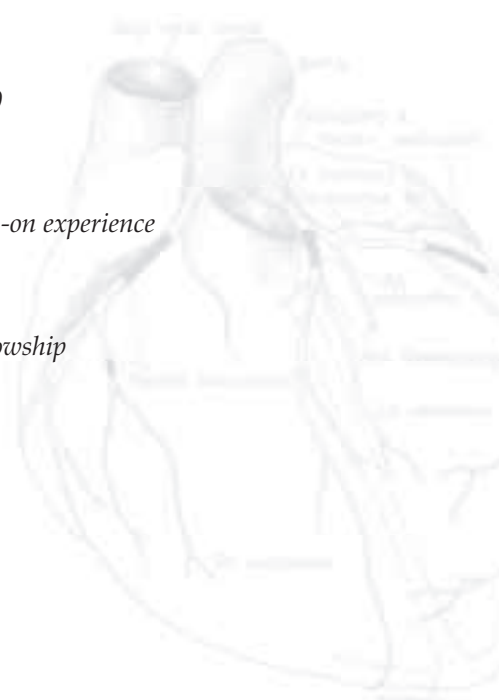
- 8** The envelope please
MSHS needs your financial support
- 9** In honor of Donald Janvrin
Mayo employee starts Radiation Therapy scholarship
- 11** Setting the pace
Nurse Anesthesia, Physical Therapy alumni have history of giving



- 12** Coming soon: Phlebotomy
New certificate program to start in 2010
- 13** Students as researchers
Clinical research internships offer hands-on experience



- 14** Cardiology Nurse Practitioner
MSHS first U.S. school to offer this fellowship
- 16** In the news
New administrator, Navy on board, new physician assistant fellowship



High-tech teaching

Enriching education with engaging, interactive technologies

When Mayo School of Health Sciences (MSHS) kicked off its Clinical Laboratory Science (CLS) program last year, it wasn't your typical first day of class. No desks were lined up facing a white board. No furious note-taking. No lectures. Instead, when they met face to face, the students gathered in a laboratory with the first lesson already under their belts and finished assignments in hand. This arrangement was made possible by a new approach to education that combines online coursework with hands-on lab work.

The CLS program is just one of many ways MSHS is employing creative technologies to better teach and reach students. Online classes, distance learning, audience-response systems and innovative Internet tools are all being used to enhance the educational offerings.

Taking control of learning

In place of standard classroom lectures, students in the CLS program receive course information through interactive online activities and assignments that cover topics to be addressed in daily labs. The labs then include lessons, case studies and discussion groups based on the online material.

"The online component enhances my ability to teach. I can engage students in new ways with resources such as discussion boards that I don't have time for in a traditional lecture format," says Susan Lehman, CLS program director. "In addition, students have more control of their education. They have power over when and how much time they take to learn the content. They can go over complex content as much as they need to master it."

Actively engaging students in learning is key to many of MSHS's educational technologies. For example, several courses in the Nurse Anesthesia program employ an audience-response system. Students use individual keypads to respond to questions about a presentation. The system tests students' knowledge of important concepts and gives instructors a chance to quickly gauge how well class members understand the material.

"This system allows our students to critically think about a question, make a decision about the answer they wish to choose, and then get immediate feedback as to the correct response,"



Rochelle Tyler, RDCS, leads an echocardiography class at Mayo Clinic in Arizona. The students and teacher connect with their counterparts in Rochester via satellite.

says Mary Shirk Marienau, Nurse Anesthesia program director. "Then, if they wish, they can initiate a discussion at that time as to why a response was correct or incorrect."

Providing greater access

In addition to enhancing a student's learning experience, MSHS also takes advantage of technology to bridge the miles between Mayo Clinic's locations. With a distance learning system that involves a live video feed and multiple cameras and microphones to capture everything happening in a classroom, students in Minnesota, Florida and Arizona can fully participate in a class that's a thousand miles away. The video feed originates at the teacher's base classroom.

Distance learning between Mayo Clinic in Rochester and Mayo Clinic in Florida has been part of the Sonography program for almost 10 years. Students in Florida access most of the didactic material via the video feed and receive clinical training on site. According to Program Director Diane Youngs, this arrangement has benefits on both sides.

"Through distance learning, students in Florida can enroll in and be active members of the program without having to relocate," she says. "And because faculty members at both sites work together on the program, it's given us a chance to exchange best practices, as well as gain a better understanding of what is happening at each campus."

The same technology is used for MSHS's Echocardiography program between Mayo Clinic in Rochester and Arizona. Annette Marsico, a MSHS student who also works at Mayo Clinic Hospital in Arizona, credits the program with opening up a wealth of education opportunities for her.

"The Echo program is a challenging, hands-on, dynamite learning experience," she says. "The biggest benefit for me is the great instructors, both in Rochester and Arizona. All are engaging, encouraging and available for questions. Despite being long distance, our class gets along famously, too. We share the classroom several days a week and keep in touch, thanks to the classroom technology and e-mail."

Exploring new avenues

MSHS continues to investigate new ways to incorporate emerging technologies into teaching



Arizona echocardiography students Annette Marsico, left, and Nancy Ushler, right, usually rely on technology to connect with their fellow students and teachers in Rochester. This fall, they bridged the distance, traveling to Rochester for a conference, "Echocardiography for the Sonographer."

and learning. In 2008, the school offered an online training program for faculty and staff on newer Web applications such as blogs, wikis, online collaboration tools, social bookmarking and social networking.

"This training raised awareness of the new technologies and introduced MSHS faculty and staff to ways they can be used in an educational setting," says Melissa Rethlefsen, a Mayo Clinic librarian who designed the training. "But, these are flexible tools. Once people know what they are and how they work, then they can start thinking of ways to use them effectively for their own needs."

For example, some schools use Twitter streams to gather real-time feedback on lectures, and teachers host discussion forums on course topics via Facebook.

"We don't want technology just for technology's sake," says Melanie Ryan, MSHS operations manager for academic and faculty affairs. "Instead we hope the electronic platforms will serve as a springboard for educational creativity, expanding what we offer and enriching the way we deliver education." 

Technology helps launch new ideas for MSHS

Technology isn't just helping teachers and students in their courses at MSHS. It's enhancing the school's administration, too. For example, when faced with the challenge of generating and discussing operational planning ideas across all three Mayo Clinic sites, MSHS leadership turned to a new technology to help.

Traditionally, the school's annual planning involved deans, associate deans and administrators. But this year, the group wanted input from faculty and staff, too. With help from Mayo Clinic's Center for Innovation, school leaders arranged to gather that input using Launchpad, a Web-based tool that allows people to go online to submit comments, discuss suggestions and rank the ideas listed.

MSHS faculty and staff had 10 days to log on to a Web site and submit their comments on the following questions:

- What can MSHS change to become more efficient?
- What opportunities for collaboration would you identify?
- How would you improve administrative support services?

More than 50 people visited the site. Twenty contributed suggestions, and 80 comments were received. Diane Youngs, director of the Sonography program, appreciated the opportunity to offer ideas.

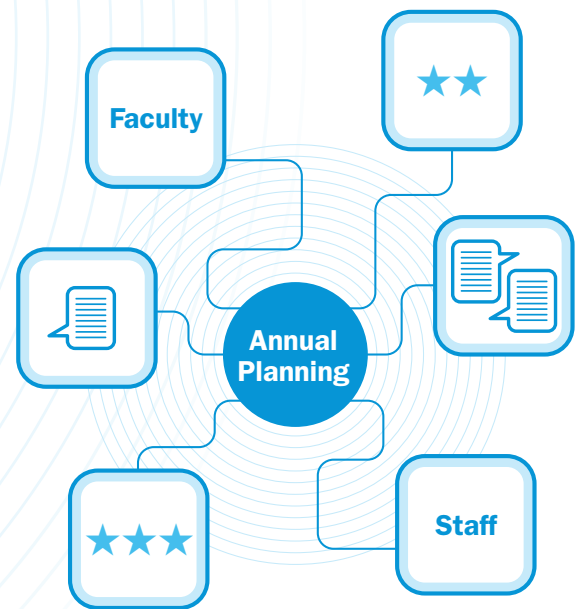
"I was interested in being a part of this process and thought that reading the comments from other faculty was particularly helpful,"



Diane Youngs



Melanie Ryan



says Youngs. "Within the list of ideas, I recognized issues that I've encountered within my area and was glad to have a chance to address them and add my own comments."

Here's a sampling of the comments received:

- Would there be value in creating an interdisciplinary team to find out where there might be common content across our programs?
- Can we get a computer classroom dedicated to MSHS?
- Can we create an online discussion group for faculty and program directors to share best practices, ideas and issues and to open dialogue?

"It was valuable to get input from other perspectives, and we're taking the ideas seriously," says Melanie Ryan, MSHS operations manager for academic and faculty affairs. "Many comments addressed ideas we hadn't considered."

Ryan says this approach provided specific data and priorities. "So as we move forward in the planning process, we can focus our efforts on areas of highest interest and need," she says. "It would have been difficult to get this level of input and discussion without the Launchpad technology." 



ALUMNI PROFILE

At Gallaudet, Sydlowski expands career to include research

Sarah Sydlowski, Au.D., now studying for a Ph.D. in audiology, says her grandfather's experience with hearing loss had a profound effect on her career.

When Sydlowski was a graduate student, she accompanied her grandfather to the appointment when his cochlear implant was activated. "He had severe hearing loss and after receiving a cochlear implant, his ability to understand speech greatly improved," says Sydlowski.

"There is nothing more rewarding than seeing the reaction in the eyes of a person with a new cochlear implant the instant they are reconnected to the hearing world," says Sydlowski, who coordinated the Cochlear Implant program at Mayo Clinic in Arizona after completing her externship there in 2007. "I'm sure my personal experience with my grandfather's hearing loss made me a better audiologist."

A cochlear implant does not restore normal hearing. The electronic device bypasses damaged portions of the ear and stimulates the auditory nerve. It sends signals to the brain, which recognizes them as sound. Learning or relearning what the sounds mean can take time.

"The Mayo program gave me unparalleled patient interaction and decision-making opportunities," says Sydlowski. "We were exposed to rare and complicated cases, which really enhanced my confidence. The program came highly recommended, and I now recommend it to my student colleagues."

During her college years, Sydlowski participated in a "Semester at Sea" global studies program. She visited 10 countries in Europe, Asia and Africa. Sydlowski says the program gave her the travel bug — her curriculum vitae certainly

illustrates that she's not afraid of new places. She completed her bachelor's degree in psychology in Dayton, Ohio; her clinical doctorate in audiology in Louisville, Ky.; her externship in Arizona; and now she is in Washington, D.C., studying for a doctorate of philosophy in audiology.

"I decided to pursue a Ph.D. so that I can teach and conduct clinical research in addition to doing clinical work," says Sydlowski. She was accepted into Gallaudet University, a school for the deaf and hard of hearing. The school offers graduate programs for those pursuing careers related to the deaf and hard of hearing.

She's working part time there as a research audiologist studying cochlear implant technology and somehow finds time to give something back to Mayo.

"I have become involved with a wonderful network of people throughout Mayo as a member of the MSHS Alumni Board," says Sydlowski. "It's interaction with people that also makes my career so enjoyable." 



Sarah Sydlowski performs an ear exam while on a humanitarian audiology mission trip to Panama in 2005. At the time, she was a graduate student at the University of Louisville.



ALUMNI PROFILE

Mayo trained and battle tested

In a medical career spanning five decades, Elwood Wilkins credits two powerful influences: Mayo Clinic and the Vietnam War.

On June 2, 1966, the day he graduated from the Nurse Anesthesia program in the Mayo School of Health Sciences (MSHS), Wilkins enlisted in the U.S. Army, knowing that anesthetists were needed for the troops in Vietnam. The combination of Mayo Clinic standards and battle-tested skills prepared him to take decisive action throughout his career.

"You have to be confident and excel in your skills because there is no one else to rely on," Wilkins says. "Mayo taught me to do things the right way. In Vietnam we practiced jungle anesthesia: you make do with what you've got. Mayo made me confident. The Army made me ultra-confident."

After many years of focusing on big-city trauma cases, Wilkins, 67, is the anesthetist for a 24-bed hospital in Fowler, Mich. His ties to Mayo Clinic are stronger than ever. He is a member of the board of directors for the MSHS Alumni Association, and he uses Mayo as a resource for staying current in his evolving field.

Post graduation, Elwood Wilkins, right, enlisted in the U.S. Army. Here, he's at work in Vietnam.



"To this day, when I want a consult, I pick up the phone and call Mayo Clinic," Wilkins says.

After graduating from MSHS, Wilkins spent a year in one of the busiest evacuation hospitals in Vietnam. "It was not uncommon to have 100 casualties at a time and to need three to four days to go through all of them," he recalls.

The hospital was actually a Quonset hut with no running water, no ventilators and limited supplies. When fighting neared, Wilkins could see helicopters rise from the jungle with another batch of wounded soldiers, and surgeons wore flak jackets under their gowns. Dirty wounds and the tropical climate promoted infection, so post-op care often required anesthesia for cutting out additional dead tissue.

"You were well trained for trauma when you came back," Wilkins says. "Nothing here compared to Vietnam."

After two years of active duty, Wilkins worked in Texas, Florida and Alaska. He moved to Michigan in 1978 to work trauma cases at major hospitals in the Detroit area. Later, during six years in high-risk obstetrics, he administered general anesthesia for about 300 deliveries per month.

Eleven years ago, Wilkins decided to slow down and took the job in Fowler, a hospital with no trauma center and no ICU. "I am the anesthesia department," he says, noting that the surgeon countersigns his orders, and a physician must be present when he administers anesthesia. "It's the same people in the OR every day. It's like a family, and I enjoy that."

He has similar feelings about Mayo Clinic. Whether it's for MSHS anesthesia or alumni meetings or appointments for their medical care, Wilkins and his wife, Cheryl, often make the 550-mile trip to Rochester, Minn.

"It's like going home to us," he says. 



ALUMNI PROFILE

Pharmacy residency grad now instructor and more

Jamila Rousseau is steps ahead in career path

With the surf curling around her toes, Jamila Rousseau, Pharm.D., BCPS, breathes in the tangy air and feels her stress melt away like waves receding into the sea. In the five years since earning her doctorate degree in pharmacy, Rousseau has been on a professional fast track that left little time for picnics at the beach.

"Professionally, I am where I wanted to be 10 years from now," says Rousseau. She is coordinator for education and staff development in clinical pharmacy and an instructor in pharmacy in the College of Medicine at Mayo Clinic in Florida. She's also finding time to manage more balance in her life — such as a few hours at the beach.

Education has always been at the heart of Rousseau's long-term goals, so she restricted her residency hunting to teaching facilities.

Mayo Clinic in Florida initiated a postgraduate Pharmacy Residency program just before Rousseau, a native of Jacksonville, graduated from Florida A&M University College of Pharmacy's six-year Doctor of Pharmacy program in Tallahassee.

"My passion is to do all that I can to help residents and students complete their program successfully."

"It was a new program. I was in the second class. And I really liked the people I met on the interview," says Rousseau. "It was very rigorous. In fact, it was the hardest thing I've ever had to do. There were plenty of Saturdays when I woke in a panic because I thought I had to be at the hospital ... actually, that still happens sometimes."

Mayo turned out to be a very good fit, and Rousseau has been there ever since. She is delighted to find herself in such a challenging position so soon. Besides maintaining her proficiency with one day of clinical practice per week, Rousseau juggles everything from



Jamila Rousseau, Pharm.D., BCPS, right, and her best friend Erika Jasper, Pharm.D., C.Ph., enjoy some Tampa, Fla., scenery.

student and new hire orientation and training, to guidance counseling, to recruiting, to speaking at this year's annual MSHS convocation.

"It seems like I went through the program yesterday, so I can easily relate to student concerns," she says. "My passion is to do all that I can to help residents and students complete their program successfully."

In line with her commitment to expand her horizons, Rousseau responded to a request in *Connections* to stand for election to the MSHS Alumni Board of Directors.

"It's a nice way to meet people from all over the country who are trained in a variety of programs but have the same Mayo philosophy," says Rousseau. "My career with Mayo Clinic has been nothing but rewarding." 

MSHS needs your support

There's something new in this issue of *Connections* — an envelope asking for alumni to financially support the Mayo School of Health Sciences (MSHS).

Robert Giere, director for alumni philanthropy at Mayo Clinic, hopes that MSHS alumni will respond by returning the envelope with a gift.

"This is the first time that we have made the request in *Connections* or made the request in a formal way," says Giere.

It's the right time to call on alumni, because with the current state of health care and the economy, it's increasingly difficult to maintain quality programs.



Robert Giere

"There was a time when support from philanthropy was considered 'nice to have,'" says Giere. "It was welcome and appreciated. Now, it's critical. The research and education that happen at Mayo Clinic can't occur without philanthropy."

Gifts of any size are valued, says Giere. Contributions can be designated toward scholarships, technology or the areas of greatest need in the school.

"There is much to be done in maintaining and enhancing an excellent educational experience for our students," says Giere. "Without philanthropy, we would not be able to train the next generation of caregivers in the environment of excellence that embodies Mayo Clinic."



Students benefit from scholarships supported by philanthropy

Embarking on a new medical career takes dedication, hard work, and yes, dollars for tuition.

For the 2009–2010 school year, 209 Mayo School of Health Sciences students will receive scholarships through the school. Those scholarship dollars add up to nearly \$415,000.

All of our students are deserving of financial assistance,” says Claire Bender, M.D., MSHS dean. “We’d like to be able to do much more.”

The financial assistance comes from 18 different scholarship categories, some for specific programs, others targeted at financial need or military experience.



Claire Bender, M.D.

Mayo employee starts radiation therapy scholarship

Since 2003, 33 MSHS students have benefited from the Donald F. Janvrin MSHS Scholarship Fund in Radiation Therapy Technology.

The scholarships are supported through an endowment from the estate of Don Janvrin, who designated Mayo Clinic as a beneficiary in his will. Janvrin died of cancer in 2001.

Janvrin’s wife, Sharla Mills, is a meeting planner assistant in the School of Continuous Professional Development at Mayo Clinic in Arizona. Because Janvrin didn’t designate the Mayo bequest, the decision on how to use the money fell to her. She decided on scholarships for MSHS radiation therapy students.

“Don had a soft spot in his heart for young people struggling to get an education,” says Mills. “Because of that, I thought it would be an appropriate use of the money.” She focused on radiation therapy because of Janvrin’s cancer treatment. From five to 10 radiation therapy students receive scholarships each year, in amounts ranging from \$1,000 to \$5,000.

Janvrin, originally from the Rochester, Minn., area, was “always dedicated to Mayo Clinic and the work they are doing,” says Mills. “He would be pleased with the scholarships and the students who benefit from them.” **C**



Mayo Clinic employee Sharla Mills started a scholarship for MSHS radiation therapy students using an endowment from the estate of her husband, Don Janvrin.

Philanthropists help military vets pursue health care careers

Philanthropists Sharon and William Schoen want to support military veterans as they transition to careers in health care.

Through the Schoen Family Foundation, this couple has provided scholarships for U.S. military veterans for the past six years. Scholarships are available to students in Mayo Medical School and Mayo School of Health Sciences. Last school year, 11 MSHS students benefited from this aid. In 2009, 14 students received this scholarship.

Helping fellow veterans is important to William Schoen, who dropped out of high school at age 15 and later enlisted in the U.S. Marines. "The Marine Corps was the turning point in my life," he says. "At 19, I was a platoon sergeant, leading guys a lot older than me. I learned about real leadership."

Those skills were invaluable later as he pursued an education and a successful business career. Schoen was president of a glass container company in Pennsylvania and then a brewing company in New York before taking early retirement. Retirement didn't last. Instead, over the next decade, he founded a bank and became president and CEO of a company that owns hospitals in small cities and rural areas.

Schoen notes that throughout his career, he actively sought opportunities to hire military veterans. "They have the demonstrated leadership and integrity, and these are qualities Mayo looks for in its students and physicians," he says.

The Schoens, now semiretired in Florida, have sought care at Mayo Clinic for almost 20 years. "Mayo is an outstanding organization in every respect," he says. "We are happy to help veterans there." 



Benefactors Sharon and William Schoen provide MSHS scholarships to military veterans through the Schoen Family Foundation.



Bryan Jones, R.N., a student in the Nurse Anesthesia program, says scholarship dollars make it easier to find time to spend with his family. He and his wife, Sara, have two sons, Keegan, left, and Grant.

Scholarship eases worry for MSHS student — a dad and Navy vet

Bryan Jones, R.N., who is enrolled in the Nurse Anesthesia program, is one of the students who benefits from the Schoen scholarship. He served in the Navy for seven years between earning his bachelor's degree at Iowa State University in Ames, and his nursing degree from the University of Iowa in Iowa City. He remains a member of the Navy Reserve.

The Nurse Anesthesia program is a full-time endeavor and outside jobs are discouraged, says Jones. "Scholarship support means I'm not putting my family in as much debt," he says. "It takes some of the worry away."

And, a little less financial pressure means more time with his family — wife, Sara, and their children, Keegan, age 4 and Grant, age 6. Jones was away from them for a year while he was deployed at Landstuhl Regional Medical Center in Germany. A major medical center in Europe, Landstuhl cares for injured soldiers from Iraq and Afghanistan before they are transferred back to hospitals in the United States. "So anytime I can spend with my family, all the better," says Jones, who plans to graduate in March 2011. 

Nurse Anesthesia, Physical Therapy alumni are pacesetters in giving back

Keeping the NA tradition alive

The Nurse Anesthesia (NA) program at MSHS has a long history — one that goes back to the founding of Mayo Clinic, according to Program Director Mary Marienau, CRNA, MS.



Mary Shirk Marienau

Edith Graham, a newly graduated nurse, joined the practice of William Worrall Mayo, M.D., in 1889 and was part of the original staff of Saint Marys Hospital. Graham, who later married Charles H. Mayo,

M.D., taught nursing skills to the Sisters of St. Francis and was trained by the Doctors Mayo to provide anesthesia — an unusual role for a nurse at that time.

“We’re the oldest existing nurse anesthesia program in the world,” says Marienau. “That identity and sense of tradition motivate the program’s alumni to give back.”

In its yearly newsletter, the Nurse Anesthesia program keeps its alumni up to date on program news and events — including information on the Annual Mayo Clinic Seminar for Nurse Anesthetists. Alumni donations are used to fund an alumni dinner held in conjunction with the seminar.

Some donations have been used to finance students’ attendance at national meetings. Additionally, donations

NA alumni support MSHS

Contributions since 1977	\$163,941
Total number of alumni	1,156
Total number of gifts	1,026
Largest single gift	\$10,000
Average alumni gift	\$50

have been used to fund master research poster awards and graduation achievement awards. Recently, alumni gifts allowed the Nurse Anesthesia program to purchase a new fiber-optic scope for about \$8,000.

When alumni want to give back, they often have similar reasons for doing so. “They’re proud of where they came from,” says Marienau. “They want to see that tradition continue.” 

All for the PT students

When former students give back to the Physical Therapy (PT) program at MSHS, their donations go many places, but all support one goal: enhancing PT education. “All the money goes to the students,” says Julia Boysen, Mayo Clinic Physical Therapy Alumni Association (PTAA) co-chair.



Julia Boysen

The PTAA designates dollars for activities they see as integral to students’ overall education at MSHS. For example, the

PTAA sends several students to regional and national meetings of the American Physical Therapy Association each year. “It’s so important for our students to have these opportunities,” says Boysen. “They can network and see what the larger physical therapy world is all about.”

Other uses for the fund include scholarships, emergency loan money for car repairs or other unexpected expenses, tutoring, participation fees for community-based sports and \$100 savings bonds and achievement awards at graduation. “None of those things would be possible without generous support from our alumni,” says Boysen.

In addition to mailings, the PTAA is looking for ways to involve students

PT alumni support MSHS

Contributions since 1977	\$410,781
Total number of alumni	970
Total number of gifts	8,326
Largest single gift	\$20,000
Average alumni gift	\$35

more directly in fundraising efforts. “Our alumni are motivated to give back because they had such a great experience here as students,” says Boysen. “They’re pretty proud that they graduated from Mayo, and they want to give current students the same opportunities they had.” 

MSHS to add Phlebotomy program in 2010

Each day at Mayo Clinic, thousands of patients roll up their sleeves for blood tests that will help their physicians diagnose and treat countless diseases and conditions. As these patients know, the person on the other end of the needle is key to ensuring that the experience is a positive one.

"Phlebotomists are an essential part of the health team at Mayo Clinic, providing skilled and painless blood drawing," says Michael Silber, M.B., Ch.B., associate dean of academic and faculty affairs for Mayo School of Health Sciences (MSHS). "Blood draws play a critical role in laboratory diagnosis and must be done right to ensure high-quality specimens are available for lab testing."

In recognition of their important role, MSHS has developed a formal training program to prepare phlebotomists. The Phlebotomy Technician Certificate program will welcome its first students in early 2010.

"To date, we have trained our phlebotomists on the job — an impractical format that failed to recognize the extent of knowledge and experience the profession requires," says Dr. Silber. "The development of a formal training program within MSHS will provide students with sufficient time to acquire the knowledge and skills they need before starting work."

MSHS staff have been working since early 2009 to complete the paperwork necessary for program approval by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS).

"Obtaining program approval will ensure we are providing future phlebotomists with the highest-quality education and training possible," says Mary Kaye Peterson, director of the new program. "This is incredibly important, as every procedure, specimen and test has an impact on patient care."

The 10-week program will be offered five times each year, enrolling up to six students each session. Students will learn technical skills as well as medical terminology, anatomy and physiology and patient care skills. Once the program receives



The 10-week Phlebotomy program will be offered five times each year, with up to six students in each session.

NAACLS approval, students will be eligible to take a national certifying exam upon graduation.

"This is a wonderful field with solid job prospects," says Peterson. "Since providers rely on blood tests to diagnose and treat their patients, the demand for phlebotomists will remain high. There is also a high rate of turnover among phlebotomists, as many go on to pursue nursing degrees or other health care positions. That means new positions open up on a nearly continuous basis."

Applicants must have a high school diploma or general equivalency diploma (GED) and pass a national background check. But staff will be looking for applicants who possess more than those basic attributes.

"We'll be looking for applicants who have prior phlebotomy experience, patient care skills and an interest in the medical field," says Peterson. "We'll also look for applicants who share our belief that the needs of the patient comes first."

More information on the program is available on the MSHS Web site. [G](#)



*Michael Silber,
M.B., Ch.B.*



Mary Kaye Peterson

It's happening in the Clinical Research Internship Study program

Over the past two years, Clay Evans has published two abstracts in the peer-reviewed journal, *Neurocritical Care*, and given a poster presentation at a Neurocritical Care Society meeting. Soon, he'll give an oral presentation at another of the society's meetings and publish a full article in another peer-reviewed journal, *Neurosurgery*.

That might be business as usual for an established researcher. But Evans has yet to graduate from college.

Evans, a senior at Furman University in Greenville, S.C., can thank the Clinical Research Internship Study program (CRISP) at Mayo Clinic in Florida for these highlights on his résumé. The program pairs promising college students with Mayo Clinic physicians for a formal, 10-week clinical research experience.

"The CRISP program is a win-win for students and for our physicians," says Nell Robinson,

director of Mayo School of Graduate Medical Education in Florida. "Students benefit from being mentored by Mayo physicians, learning research methods and gaining exposure to the clinical setting. Our physicians benefit from having students help them mine data and do some of the legwork necessary to advance their research projects."

Evans says his experience with the program has been invaluable.

"I gained firsthand knowledge of both the research and clinical aspects of the medical field, which affirmed my career goal to become a medical physician," says Evans. He credits his mentor, William D. Freeman, M.D., for helping solidify his plans for the future.

"Dr. Freeman has been an amazing mentor," says Evans. "He allowed me to conduct the main portion of the research we worked on and was



Participants in the summer 2009 Clinical Research Internship Study Program at Mayo Clinic in Florida were: seated left to right: Almond Toledo, Ann Richardson, Sara Balseiro, Jessica Luckado, Rachel Leonardis, Nik Bajaj; second row, Kendra Hentkowski, Olivia Humbarger, Josh Corpus, Clay Evans, Lauren Hassan, Ben Adams, Claire Parsons, Paula Pereira-Rodriguez, Jessica Crowe. Students not pictured include: Catherine Hutz, Kelly Jones, Claire Kimmich and Matthew Soberano.

available for any questions. I have learned so much from his teachings and the time he has spent with me."

The CRISP program, modeled after the Summer Undergraduate Research Fellowship program sponsored by Mayo Graduate School, began as a Mayo School of Health Sciences (MSHS) pilot program in the summer of 2008. Galen Perdakis, M.D., associate dean of MSHS sought to recruit physicians interested in hosting a summer intern. Those physicians selected were required to have an Institutional Review Board-approved project, space for the student to work and enough time to provide mentorship.

That summer, 18 students completed internships. Post-program surveys of students and mentors indicated the pilot was a great success. As a result, the Mayo Clinic Education Committee approved CRISP on an ongoing basis.

Eligible students must be enrolled in (or a graduate of) an accredited college or university and must have completed their freshman year. They must also be seriously considering a career in health care or clinical research.

"In addition to Clay, several other students have indicated that the CRISP experience helped them confirm that they want to pursue careers in medicine," says Robinson. "One student enrolled in nursing school as a result of her CRISP experience."

The program has become so well regarded that Robinson has an overflow of requests from physicians interested in hosting an intern. The program enrolls 20 students during the summer, and up to 10 students during both the fall and spring semesters.

"As the demands of clinical practice increase due to our economic realities, it is more and more difficult for our physicians to dedicate time to actively participate in research projects," says Robinson. "The CRISP interns are helping to ensure our physicians can continue to do both. At the same time, students are gaining invaluable experience and contributing to projects that may ultimately impact patient care." 



Clay Evans, left, CRISP participant, worked with William Freeman, M.D., Mayo Clinic neurologist.

For NP fellow, it's all heart

On July 1, 2009, Tamara Redden, FNP, began a fellowship through Mayo School of Health Sciences (MSHS) in Arizona that will likely make her Mayo Clinic's — and the nation's — first nurse practitioner fellow to graduate with a specialty in cardiology.

MSHS is the first school in the nation to offer a postgraduate nurse practitioner fellowship in cardiology that is clinically based outside of the university setting.

"It feels great to be the first," Redden says. "I'm just thrilled to be given this opportunity."

Through the Cardiology Nurse Practitioner Fellowship (CNPf), Redden is taking a 12-month crash course on cardiology and the nurse practitioner's role on a heart patient's care team.

"Cardiology has always been a love of mine," Redden says. "The heart is a fascinating organ in the way it works — electrical, mechanical, chemical. And, with medical management and intervention, we have so many things we can do to help patients have a better life."

As a registered nurse, Redden worked in telemetry and a cardiac intensive care unit before joining the cardiology department at Mayo Clinic Hospital in Arizona 10 years ago. She was involved in new programs, including heart transplants. Still, she wanted to expand her knowledge.

She considered returning to school to become a clinical nurse specialist until Marci Farquhar-Snow, ACNP, a cardiology nurse practitioner and Redden's mentor through Mayo Clinic Arizona's Nurse Mentoring program, encouraged her to become a nurse practitioner.

"She's the reason I wanted to become an NP," Redden says. "I enjoy the interactions with patients and having an impact in their health care. I wanted that patient focus."

Redden completed her certificate as a family nurse practitioner in September 2008 and earlier this year was selected for the first fellowship.



TAMARA REDDEN

Filling a future need

The CNPF program reflects the growing demand and evolving role for nurse practitioners. The Cardiology Workforce Crisis: Survey Results and Recommendations (JACC, 2009)* states that 74 percent of private cardiology practices and 56 percent of academic practices have openings for mid-level practitioners and suggest that there may be efficiency in larger practices utilizing NPs and PAs.

Shifting demographics, the financial realities of Medicare and other government-supported health care, and reduced clinical hours for residents have created a need for more mid-level practitioners in specialty areas. Cardiology at Mayo Clinic in Arizona has eight nurse practitioners and two physician assistants.

"It's getting harder to staff the department's patient needs," says Farquhar-Snow, CNPF program director. "In the near future, we'll need more NPs. The ultimate goal of the program is to recruit, train and retain the best candidates."

Patients of her own

As a fellow, Redden has been given a light load of her own patients. From consult to discharge, she recently handled the case of a man who spent three days at the hospital with acute coronary syndrome. After encouraging him to take up cardiovascular exercise, and explaining the need for multiple new medications, she felt she had made a difference in his life.

Redden is supported in her work by cardiology staff members who act as her teachers. "They know I'm new, and they've all been so accommodating in sharing their knowledge," Redden says.

A lot to learn

At the end of September, Redden was in the second of her nine inpatient and three outpatient rotations at Mayo Clinic Hospital. The program covers a vast amount of information, including electrophysiology, cardiac diagnostic services, congenital heart disease, heart failure, anticoagulation, cardiac rehabilitation, interventional studies, and a whole lot more.

"Cardiology is daunting," Farquhar-Snow says. "We're asked to work in hospitals and work alongside cardiologists, residents and fellows, and you do need to know quite a bit to keep up with their knowledge."

Redden agrees. "I have a tremendous amount to learn," she says. "I can't imagine how much I'll know after a full year. It's a bit like climbing a mountain."

In her class of one, Redden is getting closer to the peak and a career that she knows is "a perfect fit." 



Tamara Redden, FNP, left, says encouragement from her mentor, Marci Farquhar-Snow, ACNP, right, is why she became a nurse practitioner. Redden will be Mayo Clinic's first nurse practitioner fellow to graduate with a specialty in cardiology.

*Addressing the Cardiology Workforce Crisis: Survey Results and Recommendations J Am Coll Cardiol 2009;54:1195-208.
<http://www.cardiosource.com/guidelines/index.asp#>



In the news

Ray follows Robinson as Florida administrator

Kate Ray was named administrator of the Mayo School of Health Sciences (MSHS) in Florida when Nell Robinson moved to a new position on Sept. 15.

Ray also will continue in her current role supporting the Mayo School of Continuous Professional Development (formerly Continuing Medical Education).

First on her to-do list was meeting program directors and other MSHS staff in Florida to learn more about the school there. She already had a strong knowledge of MSHS. Before transferring to medical education in Florida, Ray served as director of enrollment and student services for MSHS in Minnesota for nine years.

Her new colleagues, staff and students at MSHS in Florida have been welcoming. "I'm working with a fantastic team and a great physician

partner, Dr. Galen Perdikis, who has wonderful energy and vision for the school," says Ray. "I'm looking forward to providing leadership for MSHS in Florida and continuing to move the school to new levels of achievement."

Robinson's new position is director of the Mayo School of Graduate Medical Education in Florida. Robinson had served as the administrator of MSHS since 2001 and also had administrative responsibilities for Mayo Graduate School and Humanities in Medicine. She has been an employee of St. Luke's Hospital and Mayo Clinic since 1985.

"I am excited to have the opportunity to learn about another facet of medical education," says Robinson. "I look forward to working with the residency and fellowship

programs. "I gain a great deal of personal and professional satisfaction in helping people achieve their educational goals."

Kate Ray



Navy on board with MSHS

Mayo Clinic and the U.S. Navy are collaborating to help increase the number of licensed clinical social workers on active duty.

The Navy anticipates increased need for social workers in Iraq and Afghanistan as well as for its veterans. As a way to support U.S. troops, Mayo Clinic in Florida agreed to provide internships to some of the Navy's Medical Social Work students.

In mid-September, the first two Navy students, Michael Womack and Lauren Gibson, both officer candidates, began a two-year rotation at Mayo Clinic. Both recently graduated with a master's degree in social work from Florida State University.

To become licensed, they need two years of supervised internship. Katherine LeMaster, L.C.S.W., case manager/preceptor at Mayo School of Health Sciences (MSHS), supervises them.

Arizona's HIM-PA program earns accreditation

The Hospital Internal Medicine Physician Assistant (HIM-PA) Fellowship program received accreditation in September from the Accreditation Review Commission on Education for Physician Assistants (ARC-PA).

Mayo Clinic in Arizona first offered this 12-month program in 2007. The program provides specialized training for postgraduate physician assistants in hospital medicine.

The accomplishment is noteworthy for several reasons, says Kristen Will, MHPE, PA-C, program director at Mayo Clinic in Arizona.

- It's the first postgraduate physician assistant program accreditation of its kind at Mayo Clinic.
- The HIM-PA program is the first postgraduate hospital medicine PA program in the country to receive this accreditation.
- Only four of 46 postgraduate PA programs in the country have received this accreditation.

One fellow is enrolled each year. This fall's new fellow is Stacy Libricz, MMS, PA-C.

Erin Stafford, PA-C, completed the program in September 2009 and joined the Division of Hospital Internal Medicine at Mayo Clinic in Arizona.



Stacy Libricz



Erin Stafford

Radiography instructor and students publish, present

An article by Sharon Jacoby, RT, clinical instructor in the Radiography program at MSHS in Florida and three radiography students was published in the September/October issue of *Radiologic Technology*. Participating students were Kimberly Vohwinkel, Andrew Payne and Mandy Colwell.

Titled "On-the-Job Learning for On-the-Go RTs," the article covered new technologies for learning and educating patients. They presented on the same topic at the Florida Society of Radiologic Technologists Annual Conference in Orlando on May 15, 2009.



Sharon Jacoby



Kimberly Vohwinkel



Andrew Payne



Mandy Colwell

Caudill receives cytotechnologist award

The American Society of Cytopathology (ASC) has selected Jill Caudill, assistant professor of pathology in the College of Medicine and director of the Cytotechnology program in the Mayo School of Health Sciences (MSHS) in Rochester, Minn., to receive the 2009 Cytotechnologist Award for Outstanding Achievement. The award is presented annually to an ASC cytotechnologist for meritorious service or accomplishments in the field of cytopathology.

Caudill has been a member of ASC for 25 years. She coordinated the Program Faculty Seminar of the ASC Annual Scientific Meeting from 2002 to 2006 and currently serves on the Scientific Programs Committee. Caudill, who has been the Cytotechnology program director since 1990, also received ASC's Excellence in Education Award in 2007. In addition to authoring or co-authoring many papers and poster presentations, she

has presented lectures and workshops at local, regional and national meetings.

Caudill also has had leadership roles in the American Society for Clinical Pathology and the American Society for Cytotechnology.



Jill Caudill

Student makes test fun for young patient

James Dogo, a student in the Respiratory Care program, received accolades for his care of a young boy scheduled for a pulmonary function test. *This Week at Mayo Clinic* recently featured excerpts from a letter the boy's parent sent to Mayo Clinic:



James Dogo

"[My son] was so terribly nervous about the experience ... However, from the minute James Dogo [Respiratory Care program student] came to get us from the lobby, my son's demeanor changed. He felt right at home and at ease ... [Dogo] explained everything very well to me and to my son. Most importantly, he made the experience fun. After the test, my son wanted to know when he was going to be able to come back and see James. I just wanted to let you know how impressed I was of his professional and personal behaviors. I also wanted to thank James for his hard work."

2010 MSHS Graduation Dates

Echocardiography — Rochester
Feb. 26, 2010

Sonography — Rochester
March 5, 2010

Nurse Anesthesia — Rochester
March 13, 2010

Cytogenetics Technology —
Rochester
April 22 and Sept. 16, 2010

Cardiovascular Invasive Specialist
— Rochester

Physician Assistant — UW-L
Respiratory Care — Rochester
May 14, 2010

Histology Technology — Rochester
May 21, 2010

Physical Therapy — Rochester
May 28, 2010

Pharmacy — Rochester
June 25, 2010

Clinical Laboratory Science —
Rochester
May 27, 2010

Perioperative Nursing — Arizona
June 2, 2010

Nurse Practitioner — Rochester
June 18, 2010

Radiography — Jacksonville
July 22, 2010

**Clinical Neurophysiology
Technology** — Rochester
Aug. 5, 2010

Clinical Pastoral Education —
Rochester
Aug. 12, 2010

Radiography — Rochester
Aug. 13, 2010

Radiation Therapy Technology —
Rochester
Aug. 25, 2010

Dietetics — Rochester
Nuclear Medicine Technology —
Rochester
Aug. 27, 2010



Adornetto goes into private practice

Cara Adornetto, Au.D., a 2005 graduate of the one-year audiology externship at Mayo Clinic in Arizona, recently pursued her dream of going into private practice. She joined a small practice, AC Hearing, Tinnitus, and Balance Associates, in Cockeysville, Md., as an equity partner. Plans call for Adornetto to eventually buy out the current owner, who is mentoring her on practice management.



CORRECTION | Spring graduation for these Physician Assistant students

Robert Adams, director of the MSHS Physician Assistant (PA) program, chats with PA students. Left to right are: Brandon Madery, Sarah Schettler, Adams and Michael Probst. The students will graduate in May 2010. In the summer issue, it was incorrectly reported that Adams and the students were in the Physical Therapy program. *Connections* apologizes for the error.

Mayo School of Health Science Programs

Athletic Training
Audiology
Cardiac Electrophysiology
Cardiovascular Invasive Specialist
Cardiovascular Perfusionist
Central Service Technician
Child Life Specialist
Clinical Laboratory Sciences
Clinical Neurophysiology Technology
Clinical Pastoral Education
Clinical Research
Cytogenetic Technology
Cytotechnology
Dietetics
Echocardiography
Endoscopy Nurse
Endoscopy Technician
Exercise Science
Genetic Counseling
Health Information Management
Hemodialysis Patient Care Technician

Histology Technician
Medical Social Services
Molecular Genetics Technology
Nuclear Medicine Technology
Nurse Anesthesia
Nurse Practitioner
Nursing Clinical Education
Occupational Therapy
Pathologists' Assistant
Perioperative Nurse
Pharmacy
Physical Therapy
Physician Assistant
Radiation Therapy
Radiography
Recreational Therapy
Respiratory Care
Sonography
Speech Pathology
Surgical Technology



For current program director contacts and e-mail addresses, please see our regularly updated listing at <http://www.mayo.edu/mshs>.



Students present at MSRT conference

MSHS students Sonya Gile and Lindsey Wayne gave a poster presentation titled "Electronic Brachytherapy" at the Minnesota Society of Radiologic Technologists annual meeting and fall educational conference Oct. 9, 2009, in St. Cloud, Minn.

The presentation covered the first electronic brachytherapy (eBx) machine, which was approved by the U.S. Food and Drug Administration in July 2009. eBx is used to treat a variety of cancers and provides a safer radiation treatment for patients and occupational workers.



Sonya Gile



Lindsey Wayne

An inside glimpse for prospective students

Nearly 100 guests attended the annual Mayo School of Health Sciences open house Nov. 3, 2009, in Rochester. There were tours, talks and hands-on demonstrations to showcase 21 MSHS programs. Sixty current students volunteered their time, answering questions from prospective students and assisting with the event.

Coming together to start a new school year

Celebration was in the air on Monday, Sept. 14, as MSHS students at all three campuses filed into auditoriums, dressed in attire that ranged from business suits to scrubs. The occasion was the annual convocation sponsored by the MSHS Alumni Association to celebrate the school's commitment to student success.

The entire student body was invited to join in the telecast event. The 350-seat auditorium in Rochester was filled as Claire Bender, M.D., dean of MSHS, welcomed students to the new school year. Watching the telecast in Jacksonville, Phoenix and Scottsdale were about 60, 15 and 15 students, respectively.

"Our goal is to bring students from all sites and programs together as one school," says Firas Abdul-Hadi, director of educational services in Arizona. "This is the one time in the year where they come together, virtually or in person."

"Our goal is to bring students from all sites and programs together as one school."

— Firas Abdul-Hadi

Students and alumni from each site shared their stories and encouragement. Keynote speaker retired U.S. Air Force Capt. George Burk shared a story that emphasized the importance of compassionate health care professionals.

Burk, a Vietnam veteran, was the sole survivor among 14 passengers in a military plane crash in 1970. He suffered burns over 65 percent of his body and multiple internal injuries.



MSHS students in Florida listen during the convocation to mark the new school year. In September, 619 students were enrolled in 45 MSHS programs.

His recovery was remarkable; he was not expected to survive. As someone who spent 18 months in the hospital, he is qualified to offer guidance on how to overcome life's obstacles and to share the perspective of a grateful patient. Burk now receives his health care at the Arizona campus. He spoke from there.

"He was fabulous," says Nell Robinson, former administrator of MSHS in Florida. "He was inspirational and really challenged the students to be the best that they can be. He emphasized what a difference it makes for survivors to be cared for by people who are passionate about what they do."

A few lucky students received door prizes, books authored by Burk. Everyone walked out with a nifty keychain penlight to commemorate the event and, hopefully, a good feeling about the school to which they belong. 📺



Retired U.S. Air Force Capt. George Burk, a plane crash survivor, stressed the importance of compassionate health care during his keynote speech at the convocation. Burk spoke from the Arizona campus.

Mayo School of Health Sciences 2009/2010 Alumni Association Officers and Board

OFFICERS

Brian V. Schreck, Liberty Lake, Wash.
President

Mark E. Longacre, Omaha, Neb.
President-Elect

Jerrold Ernst, Seattle, Wash.
Vice President

Joan Hunziker-Dean, Rochester, Minn.
Secretary/Treasurer

Lorrie Bennett, Rochester, Minn.
Past-President

Karen D. Herman, Rochester, Minn.
Director

Debbie Oscarson, Rochester, Minn.
Alumni Relations Coordinator

EXECUTIVE COMMITTEE

Firas Abdul-Hadi, Scottsdale, Ariz.
Ex-Officio Member

David C. Agerter, M.D., Austin, Minn.
Associate Dean MSHS, Ex-Officio Member

Lynn S. Borkenhagen, Rochester, Minn.

Sarah A. E. Novotny, Rochester, Minn.
MSHS Representative, Ex-Officio Member

Bryana J. Peysar, Rochester, Minn.
MSHS Representative, Ex-Officio Member

Kate Ray, Jacksonville, Fla.
Ex-Officio Member

Jamila C. Rousseau, Jacksonville, Fla.

Troy Tynsky, Rochester, Minn.
Ex-Officio Member

Michelle Wilt, Phoenix, Ariz.

Virginia Wright-Peterson, Rochester, Minn.
Ex-Officio Member

BOARD OF DIRECTORS

Patricio Aleman, Rochester, Minn.

Diane M. Davis, Chicago, Ill.

Amy Froemming, Neptune Beach, Fla.

Barbara Ginos, Quincy, Ill.

Priyanka Gopal, Wexford, Pa.

Jill Knutson, Jacksonville, Fla.

Kathy Latcham, Rochester, Minn.

Todd A. Meyer, Rochester, Minn.

Mark A. Murphy, St. Michael, Minn.

Rae M. Parker, Rochester, Minn.

Jim Pringnitz, Rochester, Minn.

Vanessa Scifres, Phoenix, Ariz.

Sarah A. Sydlowski, Fountain Hills, Ariz.

Elwood Wilkins, Fowler, Mich.

Donald (Jim) Williams, Boise, Idaho



We welcome alumni and student news

Your comments, academic and career news, and story ideas are welcome. Send to:
Editor, *Connections* / Mayo Clinic / Ozmun East 6 / 200 First St. S.W. /
Rochester, MN 55905 / E-mail: connectionseditor@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 1,500 students are enrolled each year in more than 60 MSHS programs representing more than two dozen health sciences careers. Programs are available at Mayo Clinic campuses in Arizona, Florida and Minnesota.

• Enrollment information

www.mayo.edu/mshs

507-284-3678 or

1-800-626-9041 (toll free)

Fax: 507-284-0656

E-mail: mshsenrollment@mayo.edu

• Alumni information

www.mayo.edu/alumni

(Select "Mayo School of Health Sciences Alumni Association")

Deborah Oscarson,

Alumni Relations Coordinator

507-538-1663

E-mail: oscarson.deborah@mayo.edu

Stay in touch

You can update your address at the MSHS alumni Web site www.mayo.edu/alumni or by e-mailing mayoalumni@mayo.edu or calling 507-284-2317.

EDITORIAL ADVISORY BOARD

Firas Abdul-Hadi, Lisa Buss, Jill Caudill, Catherine Fuhs, Karen Herman, Stephen Grinnell, Diane Joyce, Deborah Oscarson, Kate Ray, Jamila Rousseau, Caren Siegfried, Claudia Swanton and Troy Tynsky



MAYO CLINIC

200 First Street SW
Rochester, Minnesota 55905
www.mayo.edu/alumni

MC4192/1109

© 2009, Mayo Foundation for Medical Education and Research

Mayo School of Health Sciences

200 First Street SW
Rochester, MN 55905

Visit our Web site at:
www.mayo.edu/alumni

ADDRESS SERVICE REQUESTED

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

Mayo on the mountain

These doctorate of Physical Therapy students took Mayo to the summit last summer during a break from studies. Left to right, Adam Carlson, Erin Moore, Stephanie Nedved and Justin Hahn were in Arizona for clinical experience.

Share your news and accomplishments at www.mayo.edu/alumni
Select "MSHS Alumni Association"



Looking for outstanding alumni

Dec. 15 deadline for award honoring career, community accomplishments

MSHS Alumni Association is seeking nominations for its new Recognition of Outstanding Contributions.

The MSHS Alumni Association will honor graduates who:

- Are dedicated to patient service
- 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. Nominations can focus on one or more areas of accomplishment.



More information and the nomination form are available at <http://www.mayo.edu/alumni/>

This recognition will be presented at the alumni association annual meeting on April 24, 2010. Travel expenses will be covered for the recipient.

Nomination deadline: Dec. 15, 2009.