



NEWS AND NOTES

NEW PROGRAM PUTS RESIDENTS AND FELLOWS ON FAST TRACK TO INNOVATION

Every Wednesday from August 2015 through April 2016, Isaac Wang, MD, took a break from the intensity of his residency to think creatively and strategically about the field of radiology – and the part he will play in moving it forward. What new devices are needed? New forms of technology? How can information be shared better, faster? And – just as important – once great ideas have been identified, how are they developed, funded, built... ferried fully from mind to practical, profitable use?

Wang and nine other University of Michigan medical residents and fellows were part of the inaugural class of the House Staff Innovation & Entrepreneurship Program. The 34-week seminar, organized jointly by the College of Engineering’s Center for Entrepreneurship and the Medical School’s Fast Forward Medical Innovation Program, offers participants the opportunity to explore innovation in areas of research, product development, health information technology and optimization, and healthcare operations and management under the guidance of some of the best, brightest and most experienced minds in medicine, law, information and technology at the U-M.

Every week, participants heard a short lecture, often by a guest speaker. Topics ranged from analyzing customer segments, issues of intellectual property, funding

sources, FDA requirements and processes, etc. Then the group broke into small groups to talk about their ideas, the progress made on them, hurdles encountered, etc.

“I’ve always had an interest in developing medical devices,” says Wang, an Ann Arbor native who earned bachelor’s and master’s degrees in engineering from the U-M before heading to Wayne State for his medical degree.

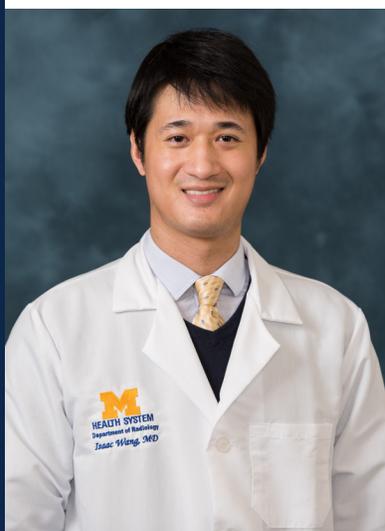
“The goal (of the course) was to develop a novel idea, build a prototype and get it ready to pitch to potential investors – to get going on a path,” says Wang. At the same time, he adds, “It’s crucial to know when to stop pursuing an idea. I learned that even though an idea may seem great and far-reaching, someone needs to be willing to pay for that idea.”

At the program’s helm is Jonathan Fay, director of commercialization programs in the Center for Entrepreneurship at the U-M. Since 2005, Fay has been a leader in device research and development for several Silicon Valley startups.

Fay says he was thrilled to witness the ten residents and fellows – who hailed from specialties throughout the Medical School – embrace their new knowledge. All, he adds, came to the course with ideas.

At the beginning, Fay recalls, “We did exercises to try to map the people in and around their innovation and their motivation for adopting a new technology. They explored customer segmentation – not only the clinical impact their idea or device might have but how it might go as a commercial entity.”

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Isaac Wang, MD; Third Year Resident

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LETTER FROM THE CHAIR

Dear Michigan Radiology Alumni, Friends, and Family:



The University of Michigan Health System continues to grow. Our department is experiencing a volume increase of almost 7% this year, and we anticipate even more robust growth in the next couple of years as we complete the West Ann Arbor facility in 2017 and the huge new facility in Brighton in 2018. We have recruited additional

faculty to handle the clinical volume and contribute to our academic mission. That's the good news; the bad news is that we have run out of faculty office space.

Executive Vice President and Dean, Marschall Runge, MD, PhD, is making major changes in the leadership of our organization. David Spahlinger, MD, who served as the executive director of the Faculty Group Practice plan, is now the hospital CEO. In order to better align the silos in our complex academic medical center, we have created a Clinical Enterprise Investment, where all clinical departments have invested a portion of their reserves in the UMHS and will receive a portion of the margin in return.

Our research program continues to thrive. The Blue Ridge Institute, which uses NIH methodology, ranked our department third among all university radiology departments in NIH funding this year. Brian Ross, PhD, our Berg Research

Professor, received an NIH R 35 grant, which gives him almost \$1 million each year for the next seven years to pursue research projects of his choosing. (This is an effort on the part of the NIH to take chances on major discoveries rather than fund the traditional step-wise advances.) Dr. Ross has also accepted a new position within the department as Associate Chair for Basic Science Research.

Michigan was one of the first departments to be approved for the new primary residency in interventional radiology. Wael Saad, MD and Minhaj Khaja, MD have led the effort to get this established. They were aided by Janet Bailey, MD, our residency training program director. Janet has been named a member of the radiology review committee for the Accreditation Council on Graduate Medical Education.

On June 14, we inaugurated the Gabrielsen Professorship in honor of Trygve Gabrielsen, MD, who spent 34 years leading neuroradiology at Michigan. Mark Helvie, MD, was installed as the first Gabrielsen Professor.

We are planning another tailgate party before the Penn State game on September 24. (Time to be determined.) Michigan is again expected to be one of the top teams in the country. We hope to see you there.

Regards,

M. Reed Jennrich, MD

2017 CME CONFERENCES

24th Radiology in the Desert
Scottsdale, AZ
March 6 - March 10

18th Radiology at the Seashore
Captiva Island, FL
March 13 - March 17

12th Fundamentals of Musculoskeletal Ultrasound
San Diego, CA
April 6 - April 10

2016 GRAND ROUNDS

September 28, Whitehouse Lecture
Shane Wells, MD;
University of Wisconsin

October 5, MRQC Presentation
Matthew Davenport, MD

October 19, Visiting Professor
Harprit Bedi, MD;
Tufts New England Medical Center

November 9, DiPietro Lecture
Alan Schlesinger, MD;
Baylor College of Medicine

November 16, Resident Vignettes
John Millet, MD, MHS;
Tania Rahman, MD;
Julia Ballis Savage, MD

December 7, Resident Vignettes
Zeeshaan Bhatti, MD;
Matthew Hermann, MD;
Matthew Manganaro, MD

DR. GAURANG SHAH TALKS ABOUT THE MICHIGAN RADIOLOGICAL SOCIETY: FELLOWSHIP, LEARNING AND “PRIDE IN YOUR PROFESSION”

The Michigan Radiological Society (MRS) was founded in 1921. Its core mission: to serve patients by empowering radiology professionals to advance the practice, science and profession of radiological care. With close to 1,400 members today, the MRS is one of the most active state chapters of the American College of Radiology and, with Dr. Gaurang Shah at the helm, it continues to grow.

We caught up with Dr. Shah in early April and asked him about his work with the MRS – and why he is encouraging more Michigan radiologists to consider joining. Currently, about 70% of Michigan radiologists belong to the organization and participate in its many activities. That’s a respectable percentage, says Shah, but it’s not enough; his goal is 100%.

“Some radiologists feel that this organization doesn’t do anything for them, but they are completely mistaken,” says Dr. Shah. “In many ways, we are the guardian of our profession. The MRS nurtures radiology, protects it, promotes its interests and works to ward off any threats.”

As anyone reading this newsletter knows, medical education does not stop with the degree. “Continuing education is not only a moral requirement, but a legal one as well,” says Dr. Shah. The MRS offers CMEs at six or seven events every year.

Membership also provides access to the Leadership Institute, a collaboration between the ACR and Harvard Business School designed to broaden radiologists’ abilities to succeed in an increasingly complex medical and often political landscape. The ACR has developed an Imaging 3.0 toolkit that provides concrete steps to allow all radiologists to take a leadership role in shaping America’s future health care system.

Joining the MRS strengthens the ACR’s ability to advocate for its members in powerful, practical ways. With the advent of the Affordable Care Act – and national concern about the excessive ordering of imaging – the ACR was ahead of the curve, quickly developing software (ACR Select) to establish appropriate imaging criteria for patients.

On the state level, the MRS has been actively protecting the role of radiologists as other health professionals lobby for the right

to read radiological images. Bills seeking to allow advanced nurse practitioners and chiropractors to read certain radiological images were thwarted on the floor of the Senate. Close interactions with legislators helped to correct language in a 2015 bill that made it mandatory for women to be

informed if they have dense breast tissue. The MRS went to court to enact the Professional Service Corporation Act (1962 PA 162) of the state of Michigan. The act decrees that medicine is considered a “learned profession” that requires state licensing, and can be practiced only by a LLC, whose members are MDs or DOs. By extension, radiological imaging service entities should be made up only of radiologists.

One of Dr. Shah’s first goals as president was to organize the UpNorth Conference in Traverse City. The event took place in October of 2015 and featured 12 Level 1 CMEs, academic radiology and oncology updates, talks on economics, advocacy and management – and many evening activities for participants and their families. Dr. Shah hopes to make this an annual event.

Dr. Shah and his board of directors hope more and more Michigan radiologists will see the value of membership in the MRS – soon to celebrate its centennial anniversary.

“There’s a very old saying, ‘If you’re not at the table, you’re on the menu,’” says Dr. Shah, only half-joking. “At a time when medicine – and the field of radiology – is facing changes and challenges at every turn, there was never a better time to join the MRS, be part of that change, and contribute to your own well-being and that of your colleagues.”

What it comes down to, he adds, is this: “It’s all about the pride in your profession.”



Gaurang Shah, MD, FACR, directs the Clinical Functional MRI Program, oversees medical student education in neuroradiology and is president of the MRS.

FIVE QUESTIONS FOR DR. BRADLEY FOERSTER

Since 2009, Bradley Foerster, MD, PhD has been an assistant professor in the Department of Radiology. His research focuses on the development of a more definitive imaging test for amyotrophic lateral sclerosis (ALS). In addition, he maintains a busy clinical practice evaluating patients with aneurysms, strokes, multiple sclerosis and other neurodegenerative diseases.



Bradley Foerster, MD, PhD

1. What is your “burning question” in your research?

We are interested in developing new biomarkers for ALS. This is a very heterogeneous disease and it can be difficult to diagnose as well as to predict its clinical course. We’re using advanced imaging techniques (MRI and PET) to develop such biomarkers and to better understand the disease pathology.

2. Three words to describe your U-M colleagues?

Invested. Collaborative. Engaged.

3. If you could go back in time and meet a long-gone physician or scientist, who would it be and why?

Albert Einstein: not only was he invested in the science but he also felt he had a significant responsibility to the ethical impact of the science, as well as the social issues of the day. I think it is important that medical researchers and physicians remember the importance of conducting research in an ethical manner given the potential impact upon their patients and the greater society.

4. What do you do in your free time?

Play with my kids (Maria, age 8 and Peter, age 7), swim and read! I just finished “The Secret Life of Bletchley Park: The WWII Codebreaking Centre and the Men and Women Who Worked There” by Sinclair McKay.

5. How do you see ALS imaging changing in the next ten years?

Imaging has transformed the diagnosis and management of multiple sclerosis over the past decade. I see parallels between MS and ALS in terms of the development of new imaging techniques to improve our understanding of ALS – and new treatments for the disease.

Continued from Page 1

As the course drew to a close, participants presented what they’d learned. “Interestingly, the first five to present stood up and explained why they’d decided to ‘kill’ their idea,” says Fay. “But that’s actually the expected outcome. If a project isn’t going to work, move on to the next idea. “It was fantastic to see these students who at the beginning knew almost nothing about the innovation ecosystem now using the language and thinking through all these issues. We gave them a space to try something new,” says Fay. One participant’s idea, he adds, has moved on to the venture capital stage.

Dr. Wang’s project was about a cloud-based image storage system that patients and their physicians could access across different hospital systems and offices. In the end, he found that there were already solutions in the marketplace that were sufficient. Even though the solutions are not perfect, it wouldn’t have been worth the investment from Dr. Wang or hospital systems to pursue the idea. He sees the course as a vital first step in a career in which he hopes to combine his background in engineering with his work in radiology to create new devices that could make a difference in medicine.

“One key lesson I learned is that when innovating, you want to position yourself where your unique insight into an innovation provides value above others,” he says. The critical question, he adds, is this: “In what way can I provide value through an innovation where only I hold that key insight which will make it successful?”

SPOTLIGHT

GABRIELSEN PROFESSORSHIP INSTALLATION HELD



Department Chair N. Reed Dunnick, MD, (right), presenting award to Mark Helvie, MD, who was installed as the Trygve O. Gabrielsen Collegiate Professor of Radiology in June.

In June, Mark Helvie, MD, was installed as the inaugural holder of the Trygve O. Gabrielsen Collegiate Professorship in Radiology.

Born and raised in Chicago, Dr. Helvie earned his medical degree at the University of North Carolina in Chapel Hill in 1980. He came to Ann Arbor for residency in internal medicine, became board certified, then switched his focus to radiology, drawn by the thriving new diagnostic techniques transforming the field at that time. After completing a fellowship here, he was offered a faculty position and rose steadily through the ranks. Today, he is a professor in the Department of Radiology and director of the Division of Breast Imaging.

Dr. Helvie's research spans the field of breast imaging, including screening, tomosynthesis, computer-aided diagnosis, ultrasound, and magnetic resonance imaging. He authored one of the first studies in the United States demonstrating the feasibility of percutaneous needle biopsy as an alternative to open surgical biopsies for breast lesions. This technique has become the national standard of care.

His research has also led to advances in image processing for breast cancer detection, diagnosis and risk assessment. At the national level, he has been actively involved in updating/modifying/revising mammography screenings; he serves on expert multidisciplinary panels across the country.

He has authored and/or co-authored more than 200 publications and has received robust research funding from the NIH and other sources. He is a frequent speaker at conferences and symposia nationally and internationally. He is a fellow and board member of the Society of Breast Imaging, a fellow of the American College of Radiology and vice chair of the National Comprehensive Cancer Network's Breast Cancer Screening and Diagnosis panel.

Dr. Helvie balances his research and administrative work with an enduring love of clinical work and direct patient care. "Every patient, even after 30 years in practice, impacts what you do," he says. "Each one is different; we learn something new every day. That's why they call it the 'practice' of medicine."

Of his many years at the U-M, Dr. Helvie says, "We have an outstanding department with terrific people and wonderful colleagues outside the department to work with. Michigan offers excellence across so many areas — engineering, public health and the whole health system. And I've always loved the patients who come here; they are a very broad and diverse representation of the population."

He is a deeply respected colleague and a skilled administrator whose creativity and dedication to the field of radiology continues to make a difference in medical science every day. He has been a devoted mentor to dozens of trainees, many of whom have gone on to leadership careers of their own.

"Dr. Helvie has led the Division of Breast Imaging for 24 years by personal example," says N. Reed Dunnick, MD, chair of the U-M Department of Radiology. "His analytical approach to mammography and his work at a national level have contributed to significant improvements in breast care."

"Dr. Helvie is one of the most thoughtful, caring and considerate physicians I've ever worked with. He is more than deserving of this honor," says Daniel F. Hayes, MD, a colleague of Dr. Helvie's for 35 years.

"Dr. Gabrielsen has always been very interested in high-quality patient care, precision in scientific methodology and meticulousness in procedural techniques, so we share that in common," says Dr. Helvie. "Being the first holder of a professorship that bears his name is such an honor."

RAMIRO HERNANDEZ, MD, RETIRES

In June, Ramiro Hernandez, MD, MS, and his wife, Mary Ellen Hernandez, MD, packed up their longtime Ann Arbor home and headed to a Chicago high-rise apartment for a retirement rich in travel, learning, family – and panoramic Lake Michigan views.

For Dr. Hernandez, who has been a leading force in pediatric radiology at the University of Michigan since the mid-80s, including 22 years as section head, the move is an opportunity to “explore other facets of life.”

Born in Barcelona, Spain and raised in Valencia, Dr. Hernandez was drawn to medicine by desire to help people and to the field of radiology by a fascination with diagnosis.

“I could use my deductive reasoning and abilities of observation to rate facts and assign them relevance to suggest a possible diagnosis,” he says.

After earning his medical degree from the Facultad de Medicina-Valencia in 1970, he did his radiology training at Oakwood Hospital in Dearborn, Michigan, and his pediatric radiology fellowship at the University of Michigan from 1975-1976. Dr. Hernandez joined the U-M faculty in 1977. Except for a five-year span at Northwestern University in Chicago in the early ‘80s, he’s been here ever since. In 1991 he completed a master’s degree in clinical research design and statistical analysis at Michigan.

At his side throughout his career at Michigan has been his wife, Mary Ellen Bozynski Hernandez, MD, longtime U-M neonatologist and professor of both pediatrics and communicable diseases and of medical education. The couple have two sons, Michael Hernandez, MD, a pediatric anesthesiologist at Boston Children’s Hospital, and Matthew Hernandez, an assistant United States attorney in Chicago.

In addition to his decades of skilled and lifesaving clinical work, Dr. Hernandez’s research has yielded nearly 100 articles in peer-reviewed publications as well as numerous abstracts and book chapters.

Topics have included the use of imaging in the diagnosis of pediatric femoral torsion, aluminum toxicity in

growing bone, Erb’s palsy, dermatomyositis, thoracic cardiovascular anomalies, congenital dislocation of the hip, and pulmonary venous developmental anomalies. His renown has led to numerous invitations to present his research at conferences and symposia nationally and internationally.

Michael DiPietro, MD, helped recruit Dr. Hernandez back to Michigan from Northwestern in 1984; the two have been colleagues ever since. “Many times, Ramiro has ‘bailed me out,’ by noting the finding, connecting the dots and questioning or making the diagnosis which in hindsight seemed obvious,” says Dr. DiPietro. “His retirement marks the end of an era in pediatric radiology at Mott. Ramiro’s wit, wisdom, insight and keen eye will be missed.”

“Ramiro is an exceptionally skilled pediatric radiologist and a great teacher,” says Peter Strouse, MD, who trained with Dr. Hernandez in the mid-1990s. “Through his leadership, teaching and example, he has made us all better radiologists.”

Once settled in Chicago, Dr. Hernandez plans to explore fields that have long been pushed aside by his devotion to radiology; he says he’ll be looking for classes in history, philosophy and photography. As always, he and his wife will be spending winters in his native Spain.

But, he says, he will look back with fondness on his many years at Michigan. “It’s an outstanding department. I was surrounded by very bright residents and colleagues and there was a nice collaborative effort with the basic science groups. It was a pleasure to work in that kind of environment.”



Michael DiPietro, MD; Peter Strouse, MD; Ramiro Hernandez, MD; N. Reed Dunnick, MD; Lawrence Kuhns, MD

Congrats

CLASS OF 2016!

There are eleven graduates of the residency program this year. We wish them well in their fellowships.



Timothy Alves, MD
Musculoskeletal Fellowship
University of Michigan,
Ann Arbor, MI



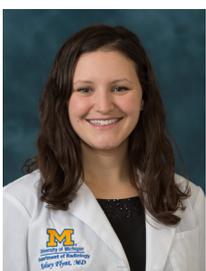
David Brandel, MD
Musculoskeletal Fellowship
University of Michigan
Ann Arbor, MI



Jordan Brown, MD
Musculoskeletal Fellowship
Mallinckrodt Institute of
Radiology
Washington University in
St. Louis, MO



Elliot Dickerson, MD
Neuroradiology Fellowship
University of California
San Francisco, CA



Kelsey Flynt, MD
Breast Imaging Fellowship
University of Michigan
Ann Arbor, MI



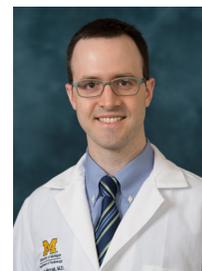
Julius Griauzde, MD
Neuroradiology Fellowship
University of Michigan
Ann Arbor, MI



Ezra Haggerty, MD
Neuroradiology Fellowship
University of Michigan
Ann Arbor, MI



Jeffrey Hawk, MD
Neuroradiology Fellowship
Brigham and Women's Hospital
Boston, MA



Benjamin Mervak, MD
Abdominal Fellowship
University of Michigan
Ann Arbor, MI



Andrea Moore, MD
Neuroradiology Fellowship
University of Michigan
Ann Arbor, MI



Emmanuel Reyes, MD
Musculoskeletal Fellowship
University of Michigan,
Ann Arbor, MI

NEUROINTERVENTIONAL RADIOLOGY AT

Since its establishment in 2002, the Division of Neurointerventional Radiology (NIR) in the Department of Radiology has grown into a robust service, performing more than 900 neurovascular interventions and diagnostic cerebral angiograms every year for adult and pediatric patients. NIR's uniquely collaborative team of radiologists, neurosurgeons, stroke certified ED physicians and neurologists use minimally invasive procedures to diagnose and treat a wide range of neurovascular disorders.

NIR is a relatively new specialty, but one that can trace its roots back almost eight decades.

1937

Johns Hopkins surgeon Walter C. Dandy, MD — widely recognized as one of the founding fathers of neurosurgery and cerebrovascular neurosurgery — places a hemostatic clip on the neck of an aneurysm arising from the internal carotid artery. Though the procedure is accessed via craniotomy, it provides a foundation on which to build. For the next 50 years, thousands of similar procedures are performed using craniotomy.

1991

Italian neurosurgeon Guido Guglielmi, MD, and interventional neuroradiologist Fernando Vinuela, MD, first use an endovascularly deliverable coil technique to treat the aneurysm of a patient at UCLA.

1995

FDA announces the approval of coil technology for human use.

1995

John P. Deveikis, MD, who trained with Dr. Vinuela, joins the U-M Division of Neuroradiology, specializing in interventional neuroradiology procedures.

1998

The International Subarachnoid Aneurysm Trial (ISAT), a multi-center prospective randomized trial, is initiated and organized by neurointerventionalists in the United Kingdom. ISAT compares the two treatment arms: endovascular coiling and surgical clipping in subarachnoid hemorrhage to treat ruptured cerebral aneurysms.

2002

Trial results published in the New England Journal of Medicine show statistically significant risk reduction in the endovascular coil treatment arm of the trial compared to traditional surgical clipping.

2002-2005

Dr. Deveikis leaves Michigan; Nasser Razack, MD, is recruited to take his place. Dr. Razack establishes a neurointerventional radiology fellowship; Joseph Gemmete, MD, is his first fellow and Dheeraj Gandhi, MD, his second. Neurosurgeon Byron G. Thompson, MD, begins using endovascular coil treatment of ruptured and unruptured aneurysms and other neurovascular disease entities at Michigan.

2005

Drs. Gemmete, Gandhi and Thompson establish a combined NIR specialty at the U-M.

2008

Dr. Gandhi leaves for Johns Hopkins; neurosurgeon Aditya Swarup Pandey, MD, joins the group.

2009

Radiologist Neeraj Chaudhary, MD, joins the group after completing a fellowship in neurointerventional radiology mentored by Drs. Gemmete, Pandey and Thompson.

Since 2009

The U-M neurointerventional radiology group — radiologists Gemmete and Chaudhary together with neurosurgeons Pandey and Thompson — have been working seamlessly across specialty lines to care for patients with neurovascular diseases and to train future generations of neurointerventionalists.

The group is today an integral part of the Comprehensive Stroke Center at U-M and the specialty continues to grow exponentially. The term “neurointervention” is now recognized worldwide; the specialty is practiced by optimally trained radiologists, neurosurgeons and neurologists who use minimally invasive techniques to treat diseases of the brain and spinal cord — including its bony casing — in adults and children.

Growth of the specialty continues. Between 2005 and 2012, neurointerventionalists across the globe worked to refine the technology of intra-arterial (IA) stroke thrombectomy devices in the treatment of acute ischemic stroke (AIS). In 2015, the New England Journal of Medicine published the results of five randomized trials, all pointing to statistically significant risk reduction using IA treatments in cases of AIS. Endovascular treatment of AIS has further advanced the specialty.

MICHIGAN: A TIMELINE OF EXCELLENCE

Here at Michigan, Dr. Gemmete has pioneered minimally invasive percutaneous techniques for treatment of vascular malformations in the head, neck, face and orbit as part of the vascular anomalies program. Dr. Chaudhary, together with colleagues in ophthalmology and pediatric hematology/oncology, has set up the first center in Michigan for intra-arterial treatment of retinoblastoma. Dr. Pandey led the efforts to achieve certification of the U-M as a comprehensive stroke center. The team is at the cutting edge of mechanical thrombectomy for the treatment of AIS.

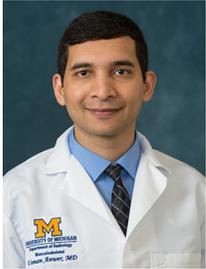
Drs. Gemmete and Chaudhary lead NIR at Michigan and, true to this institution's vibrant collaborative spirit, have forged academic partnerships with specialties across the health system. They have authored or co-authored more than 100 publications since 2008. Dr. Gemmete is the associate editor of the *Journal of Vascular and Interventional Radiology*. Dr. Chaudhary is on the scientific advisory board of the *European Radiology Journal's* neurodiagnostic and neurointerventional sections. The division currently participates in several national and international multi-center trials and has secured a strong position for the U-M internationally in this vital and growing specialty. The division also actively participates in basic science neurovascular research with Guohua Xi, MD, and Richard Keep, PhD, from the Department of Neurosurgery.

"Neurointerventional radiology at Michigan has a bright and strong future as part of the Comprehensive Stroke Center," says Dr. Chaudhary. "We are excited about further participation in innovations and improvement in the care of patients with neurovascular disease."



Goodbye FELLOWS!

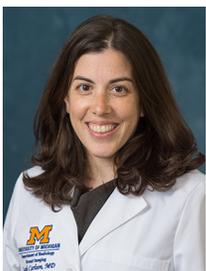
Thank you for your hard work and good luck in the future.



Usman Anwer, MD
Musculoskeletal
Mayo Health System,
Mankato, MN



Casey Bohl, MD, PhD
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Charlotte Radiology,
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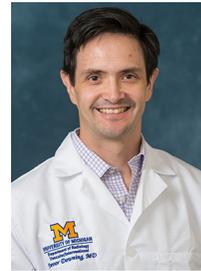
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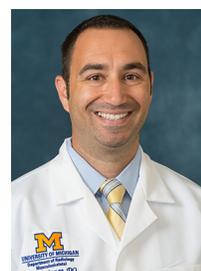
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Eric Liao, MD
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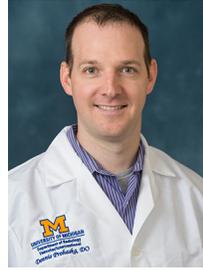


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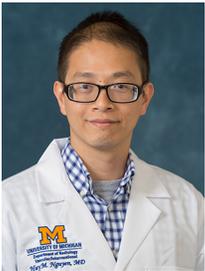
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San Juan, PR



Huy Nguyen, MD

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Michael Ryan, MD

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Ravi Shastri, MD

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Sachin Patel, MD

Pediatrics
Children's Hospitals and Clinics of
Minnesota,
Minneapolis, MN



Pierre Shepherd, MD

Abdomen
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Columbus, GA



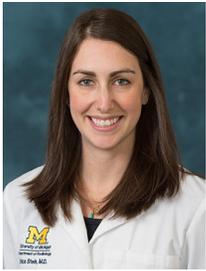
Daniel Pipitone, DO

2nd year Neuroradiology Fellowship
University of Michigan,
Ann Arbor, MI



Daniel Sova, MD

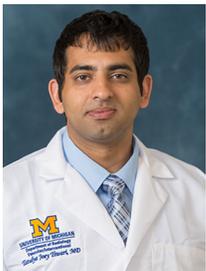
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Erica Stein, MD
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Adam Wright, MD
Emergency Radiology
 University of Michigan,
 Ann Arbor, MI



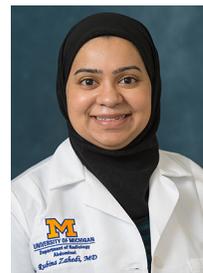
Tatulya Tiwari, MD
Vascular/Interventional Radiology
 Lexington VA Medical Center,
 Lexington, KY



Victor Yu, MD
Vascular/Interventional Radiology
 Fort Belvoir Community Hospital
 Fort Belvoir, VA



Lodewijk van Holsbeek, MD
Musculoskeletal
 Michigan State University,
 Lansing, MI



Rubina Zahedi, MD
Abdomen
 Valley Imaging Radiology,
 Aurora, IL

DEPARTURES

In the life cycle of academic radiology, one of our goals is to create the leaders for our discipline and to spread the “Michigan” way of outstanding radiology practice and education to centers across the U.S. and abroad. While we will miss our colleagues day to day, we look forward to following their careers and developing new collaborations with them in their future practices. The institutions they are joining are truly fortunate to have them!



Carrie Hoff, MD, has been a member of the Emergency Radiology division for the past six years. She took a position at Emory University in Atlanta where she will serve as site director at Emory St. Joseph’s Hospital.



Rickin Shah, MD, took a position at a private practice in Charlotte, NC. He had previously completed a one year fellowship in neuroradiology, then spent one year as faculty in the department.



Paula Novelli, MD, has worked in the Interventional Radiology division for the past eight years. She has accepted a position at the University of Pittsburgh Medical Center and will be relocating this summer. She had trained there originally, so will be returning home after her time at Michigan.



Robert Welsh, PhD, worked in the Radiology department for the past 22 years, starting as a postdoc, then continuing as a faculty member in our department and Psychiatry. He has accepted a position in the Department of Psychiatry at the University of Utah to continue his research. He also plans to spend lots of time outdoors!

JOIN US FOR A TAILGATE SEPTEMBER 24, 2016

Join your fellow U-M Radiology faculty, trainees, and alumni for a tailgate prior to the Michigan Wolverines vs. Penn State football game on September 24th. The tailgate will be held at the North End Zone, at the corner of Main and Pauline. Food and beverages will be provided and children are welcome. Time is TBA.

Please reply to Carly Brandreth at cbrandre@med.umich.edu or by calling 734.936.4346.



AMERICAN COLLEGE OF RADIOLOGY



Drs. William Weadock, Paul Cronin, Hero Hussain and Isaac Francis were awarded fellowship at the recent American College of Radiology annual meeting. According to the ACR website, approximately 10% of ACR members achieve this distinction. "ACR Fellows have distinguished themselves through lifelong service to the ACR, organized radiology and/or medicine, and/or research, and/or teaching."

DEAN'S OFFICE AWARDS

The League of Educational Excellence was established by the University of Michigan Dean's Office to honor faculty for their contributions to teaching of Michigan physicians and scientists. Our recent inductees include: Hemant Parmar, MD, Joel Platt, MD and William Weadock, MD. We thank them for their continued efforts.



Hemant Parmar, MD



Joel Platt, MD



William Weadock, MD

FACULTY AWARDS + RECOGNITION

Dorit Adler, MD – Received the Lifetime Service Award from the American Board of Radiology (2015).



Prachi Agarwal, MD – Received the Radiographics Editors' Recognition Award for Distinction in Reviewing. Awarded Fellowship of North American Society of Cardiac Imaging and a Cum Laude and Educational Exhibit Award from the Society of Thoracic Radiology.

Janet Bailey, MD – Was appointed to the ACGME Review Committee for Diagnostic Radiology.

Allen Brooks, PhD – Was awarded a UMEI grant.

Ruth Carlos, MD – Received the Gold Medal Award from the AUR.

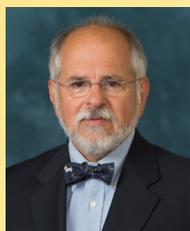
Tom Chenevert, PhD, Brian Ross, PhD, and Craig Galban, PhD – were awarded a U01 grant from the NIH.

Tom Chenevert, PhD – received a R01 grant from the NIH.

Kyung Cho, MD – Honored for outstanding review effort for JVIR in 2015.

Suzanne Chong, MD, Michael Mazza, MD, Nishant Patel, MD, and Mansoor Khan, MD – Won the E-poster Gold Merit Award from the ACR

Elliott Dickerson, MD – Was the MRS 2016 Resident Section Abstract winner.



Michael DiPietro, MD – Received the 2016 Ed Singleton-Hooshang Taybi Award from the Society of Pediatric Radiology (SPR). In 2009, he also won the SPR Education Award (The Jack Haller Award for Excellence in Teaching), one of only two SPR members to receive both educational awards.

N. Reed Dunnick, MD – Received the SCARD Visionary Leadership Award at AUR.

Brad Foerster, MD – Was the recipient of the 2015 Gabriel H. Wilson Award for best paper presented at the WNRS 47th.

Joseph Gemmete, MD – Received high appreciation from JVIR for his outstanding work as an associate editor.

Barry Gross, MD – Was awarded the Gold Medal from the Michigan Radiological Society.

Ella Kazerooni, MD, MS – Was appointed to the National Quality Foundation Standing Pulmonary Committee and the Medicare Evidence Development & Coverage Advisory Committee.

Robert Koeppe, PhD – Received two grants from BioClinica, Inc.

Elizabeth Lee, MD – Received a Certificate of Merit from the Society of Thoracic Radiology.

Judy Leopold, PhD – Received a R21 grant from the NIH.

Ben Mervak, MD – Won the Hounsfield Award from SCBT/MR for the second consecutive year.



Ashok Srinivasan, MD – Was appointed as Chair for both the RSNA Scientific Program Committee for Neuroradiology and for the Research Committee of the American Society of Head and Neck Radiology.

Jadranka Stojanovska, MD – Received the Postdoctoral translational scholars program grant, T2 Pilot MICHR Award, and a Radiology Seed Grant.

Kathy Luker, PhD – Received the Stem Champion for Women – broadcast on DPT.

Kate Klein, MD – Became a member of the Curriculum Policy Committee.

Brian Ross, PhD – Received a R35 grant from the NIH.



Ashish Wasnik, MD – Received a Poster Merit Award and a Cum Laude Award from the Society of Abdominal Radiology. He also received a Bronze Medal and Certificate of Merit Award from the American Roentgen Ray Society.

Jun Wei, PhD – Was awarded a NIH U01 grant.

Dave Williams, MD – Received high praises from the Journal of Vascular and Interventional Radiology for his review effort.

Corrie Yablon, MD and Usman Anwer, MD – Won the 1st prize (ACR Award) for the education exhibit at the Society of Skeletal Radiology.

Welcome

NEW FACULTY

With ever-growing clinical and academic programs, we welcomed many new faculty across the Department of Radiology over the last year. Stay tuned for updates from this fantastic set of recruits in future editions of our newsletter!



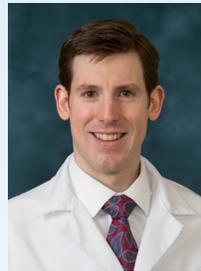
Nicholas Burris, MD
Cardiothoracic Radiology
 Assistant Professor,
 from University of California,
 San Francisco
 San Francisco, CA



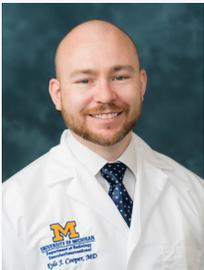
Elizabeth Lee, MD
Cardiothoracic Radiology
 Clinical Assistant Professor,
 from U-M Hospitals
 and Health System
 Ann Arbor, MI



Jeffrey F.B. Chick, MD
Vascular/Interventional Radiology
 Clinical Assistant Professor,
 from Hospital of the University of
 Pennsylvania Philadelphia, PA



William Masch, MD
Abdominal Radiology
 Clinical Assistant Professor,
 from Massachusetts General
 Hospital
 Boston, MA



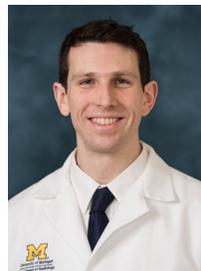
Kyle Cooper, MD
Vascular/Interventional Radiology
 Clinical Assistant Professor,
 from Miami Cardiac and Vascular
 Institute
 Miami, FL



Prasad Shankar, MD
Abdominal Radiology
 Clinical Assistant Professor, from
 Radiology Incorporated
 Columbus, OH



John Kim, MD
Neuroradiology
 Clinical Assistant Professor, from
 Brigham and Women's Hospital -
 Harvard Medical School
 Boston, MA



Adam Wright, MD
Emergency Radiology
 Clinical Lecturer II,
 from U-M Hospitals
 and Health System
 Ann Arbor, MI



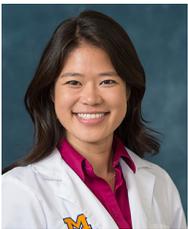
Sarah Allgeier, MD, PhD
Class of 2017

Mentored by Jonathon Willatt, MD, Bill Majdalany, MD, Nara Dasika, MD, Wael Saad, MD. “Percutaneous Microwave Ablation of Hepatic Tumors Adjacent to the Inferior Vena Cava: Evaluation of Heat-Sink Effect.” *Journal of Vascular and Interventional Radiology* 27(6):e80. Poster 54 at the Annual World Conference on Interventional Oncology Meeting, Boston, MA, June 2016.

Mentored by Jonathon Willatt, MD, Bill Majdalany, MD, Nara Dasika, MD, Wael Saad, MD. “Evaluation of Heat-Sink Effect on Percutaneous Microwave Ablation of Hepatic Tumors Adjacent to the Inferior Vena Cava.” Poster at the 10th Annual Global Embolization Symposium & Technologies Meeting, New York, NY, May 2016.

Mentored by Carrie Hoff, MD, Deepa Pai, MD. “Fracture vs. Variant? Understanding Pediatric Lower Extremity Trauma.” *Emergency Radiology* 22(5):460. Poster at the American Society of Emergency Radiology Annual Meeting, Miami, FL, 2015.

Mentored by Kyung Cho, MD. “Selective Arterial Calcium Injection for Localization of Occult Insulinoma.” Selected by the Residents, Fellows and Students Section as one of three finalists in the Society of Interventional Radiology 2015 IR-in-Training Case Conference Competition. Oral presentation at the 40th Annual Society of Interventional Radiology (SIR) Meeting, Atlanta, GA, 2015.



Alexandria Jo, MD
Class of 2019

Mentored by Minhaj Khaja, MD. “The role of pulmonary angiography (PA) in the evaluation and management of patients with chronic thromboembolic pulmonary hypertension (CTEPH).” To be presented at Cardiovascular and Interventional Radiological Society of Europe (CIRSE) 2016, Barcelona, Spain.

Mentored by Minhaj Khaja, MD. “Endovascular repair of chronic type A aortic dissection with disseminated intravascular coagulation.” To be presented at Cardiovascular and Interventional Radiological Society of Europe (CIRSE) 2016, Barcelona, Spain.

Mentored by Bill Majdalany, MD. “Comparison of different percutaneous accesses for treatment of chylothorax.” To be presented at Cardiovascular and Interventional Radiological Society of Europe (CIRSE) 2016, Barcelona, Spain.

Mentored by Bill Majdalany, MD. “Ultrasound-guided retrograde cannulation of the supraclavicular thoracic duct for treatment of chylothorax.” To be presented at Cardiovascular and Interventional Radiological Society of Europe (CIRSE) 2016, Barcelona, Spain.

Mentored by Ravi Srinivasa, MD. “Successful trans-splenic recanalization of a completely occluded main portal vein in a pediatric liver transplant patient.” To be presented at Cardiovascular and Interventional Radiological Society of Europe (CIRSE) 2016, Barcelona, Spain.

Mentored by Nara Dasika, MD. “Successful percutaneous closure of congenital intrahepatic portosystemic shunt in a pediatric patient presenting with hepatopulmonary syndrome.” Finalist in case competition at the Society of Interventional Radiology 2016, Vancouver, CA.

RESEARCH PROJECTS



Benjamin Mervak, MD **Class of 2016**

Mentored by William Weadock, MD, Matthew Davenport, MD, Ella Kazerooni, MD. “What the Patient Wants: An Analysis of Radiology-Related Inquiries from a Web-based Patient Portal.” *Journal of the American College of Radiology*. July 2016.

Mentored by Suzanne Chong, MD, Richard Cohan, MD, Jonathon Willatt, MD, Ursula Knoepp, MD, Carrie Hoff, MD, James Ellis, MD. “Diagnosing Acute Cholecystitis Using MDCT: The Influence of Comorbidities on Diagnostic Certainty and Follow-Up Imaging Recommendations.” Presented at the Society of Abdominal Radiology 2016 Annual Scientific Meeting and Educational Course. Waikoloa, HI. March, 2016.



John Millett, MD, MHS **Class of 2018**

Mentored by Richard Brown, MD. “Frostbite: The Spectrum of Imaging Findings and Guidelines for Management,” to be published in *RadioGraphics*, November 2016. Also presented at RSNA 2015 where it won Cum Laude award.

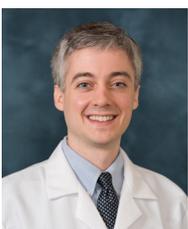


Tania Rahman, MD **Class of 2017**

Mentored by Matthew Davenport, MD, Hero Hussain, MD. “Reinterpretation of Abdomen MRI in Cirrhosis: Is the Organ Procurement and Transplantation Network Mandate Necessary?” Accepted for publication in the *American Journal of Roentgenology*. Presentation at the Society of Abdominal Radiology Annual Scientific Meeting. March 2016. Waikoloa, HI. Awarded a Society of Abdominal Radiology Annual Scientific Meeting Travel Scholarship.

Mentored by Colleen Neal, MD, Mitra Noroozian, MD, Renee Pinsky, MD, Helvie MA. “The Risk of Risk-Based Breast Cancer Screening: Inability of Family History and Density to Predict Malignancy.” Presentation at the Society of Breast Imaging/American College of Radiology Breast Imaging-Symposium. April 2016. Austin, TX.

Mentored by Suzanne Chong, MD. “Neurovascular Emergencies: Imaging Diagnosis and Neurointerventional Therapy.” Educational Exhibit at the American Roentgen Ray Society Annual Meeting. April 2016. Los Angeles, CA.



William Sherk, MD **Class of 2018**

Mentored by Minhaj Khaja, MD, MBA and David Williams, MD. “Recanalization of central vein obstruction prior to cardiovascular implantable electronic device revision.” Presented at Heart Rhythm Society annual meeting May 2016, San Francisco, CA.

ALUMNI NOTES

“We are now a family of five and have lived in Miami Beach and Seattle since fellowship. We are moving to Los Angeles next and taking a road trip down there, stopping by Davis, California, to see Peggy Wu. I’ve been working for AltaVista Radiology with many U-M alumni.”

Page Wang, MD (Resident, Class of 2012; Neuroradiology Fellow, 2012-2013; Pediatric Fellow, 2013-2014)

“I am currently living in Fort Wayne, Indiana and joined Summit/Synergy in 2014. I have remained active academically (conferences, teaching and research) and hope to become more active once my kids leave for college in two or three years, especially as I have the unique IT background with medicine. The future of research might depend a lot on big data collection and analysis (software programs and data) from multiple medical research centers. My job currently is a seven-days-on/seven-days-off second shift (4 p.m. to 2 a.m.) It is teleradiology where we cover multiple states. I recently completed and published some academic articles.”

Rekha Meesa, MD (Pediatric Fellow, 2012-2013; Neuroradiology Fellow, 2013-2014)



The Wang Family



The Gupta Family

“After finishing residency in 2001 and subsequent fellowship at Duke University, we ventured out west. Eventually we settled in Las Vegas, Nevada where I joined former resident and IR fellow Michael Schunk, MD, in private practice. During those training days, I never thought I would say, “I moved to Vegas!” Living here has been a pleasant surprise. Most days, Manisha and I enjoy chasing after our two young boys including running between sports and band practice. They provide us their own adventure. I am fortunate enough to still have time for academic pursuits including sitting on the ACR Economics committee and the ABR Core exam GI section committee. Life does always surprise and I am grateful for the experiences and the relationships I made during my Michigan days to aid me along the journey.”

Ashok Gupta, MD (Resident, Class 2001)

“Since leaving my fellowship at the University of Michigan in 2014 I have been busy establishing myself as an assistant professor and neuroradiologist at the University of Toledo. I have been able to incorporate some of the advanced imaging techniques I learned in fellowship including MR perfusion, functional MRI, and diffusion tensor imaging. My current interests include incorporating arterial spin labeling into clinical practice with our stroke and neurosurgery programs as well as neuromodulation with spinal cord stimulators. I have been fortunate to be able to have Dr. Ashok Srinivasan and Dr. Gaurang Shah visit and give lectures to our Northwest Ohio Radiologic Society during our monthly meetings. It is always great to have such dedicated colleagues come share their knowledge with us. Outside of being a radiologist, I have been busy helping my incredibly patient and talented wife raise our five children. Their ages are 8, 6, and 3 (triplets). This has been an exciting and challenging venture and has offered distraction from a busy work life. We enjoy working in our vegetable garden, going camping, and occasionally fishing in some of our local ponds. We have also had the pleasure of being a part our church’s outreach programs as well as mentoring young people at our youth camp. It has been a great pleasure to be able to give back to the community here where we grew up.”

Mark Buehler, MD (Neuroradiology Fellow, 2014)



The Buehler Family

ALUMNI NOTES

“I have been a pediatric radiologist at Vanderbilt Children’s Hospital since 2007. I have served as fellowship director and director of medical student electives and electives for pediatric residents. Our work on improving the electives in pediatric radiology won a Caffey Award at the Society of Pediatric Radiology meeting in 2014 and was published in the JACR. More recently, I have been involved with a grant through the JDRF investigating MR pancreas characteristics in type 1 diabetics. I also serve as faculty in a medical school portfolio coach program and an interprofessional program for medical, nursing, pharmacy and social work students. My husband, Jeff, and I still make time to see live music in Nashville and recently saw Garrison Keillor’s Prairie Home Companion at the Ryman Auditorium. Our family, including Cecilia (7) and Jack (5), go sailing on the lake when our old boat is up to it. We have made the trip to Kiawah Island to see Caroline Daly and her family!”

Melissa Hilmes, MD (Resident, Class of 2005; Pediatric Fellow, 2005-2006)



The Hilmes Family



The Waters Family

“Since finishing fellowship in 2013, I have been a neuroradiologist at TRA, a large and busy subspecialized group in the greater Tacoma area. I can say without hesitation that fellowship in Ann Arbor more than prepared me for life after training! Attempts are being made to repopulate the area with U-M alumni, with Aaron Zima, Larry Park and George Wang already here and Brett Mollard soon to start this summer. My wife, Ashley, twin five-year-old daughters Layla and Nadia, and I love living in the Pacific Northwest. We miss Michigan – especially the people – although we hold no romantic memories about the winters. Go Blue!”

Justin Waters, MD (Neuroradiology Fellow, 2012-2013)

We are probably best known for pioneering computer-aided polyp detection for CT colonography. Current areas of research include fully automated lymph node detection and spine analysis. I have mentored more than 50 trainees. I recently returned from Switzerland where I ate chocolate, toured the Alps and visited the universities that trained Einstein and Roentgen. I enjoy staying in touch with many Michigan friends, including fellow residents Mike Hollett and Bruce Daniel, as well as Naomi Kane and David Pennes.”

Ronald Summers, MD, PhD (Resident, Class of 1993)

“Our Canadian medical guideline task force just came out with guidelines for lung cancer screening. They only recommend screening for three years – this group is very conservative. The Alberta Health Services is starting to put together a group to figure out implementation but it will take a few years to get this up and going as well. We moved into a new house last June. Lots more room for the kids (ages 6, 3 and 1) to play. Bina’s adolescent addiction program is keeping her very busy...”

Raoul Pereira, MD (Cardiothoracic Radiology Fellow 2008-2009)



The Pereira Family

ALUMNI INFORMATION UPDATE

Please go to medicine.umich.edu/dept/radiology/about-us/alumni/update-your-information to update your contact information (mailing address, e-mail, etc.). You can also send your updates directly to Carly Brandreth at cbrandre@med.umich.edu or by calling 734.936.4346.



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RADIOLOGY NEEDS VICTORS

The Department of Radiology at the University of Michigan has been built upon a century's worth of excellence in discovery, research and education. Our faculty, fellows and residents across all of our divisions are innovating in their specialties, despite the challenges of working in an evolving healthcare ecosystem.

The landscape before us is increasingly complex, and costs continue to rise to unpredictable levels. At the same time, clinical reimbursements are in decline. We have been very fortunate to have a dedicated family of alumni and friends who have supported our programs. This support and commitment have made a transformational impact on our educational and research missions, but most importantly, the lives of the patients we serve.

The professorships we've created provide our faculty recipients the highest academic honor awarded by the University of Michigan. This credential is significant because it recognizes the recipient as a leader in their specialty and personally distinguishes them in the increasingly competitive NIH funding process.

Our mission is to provide our faculty, fellows, residents and students a world-class education. Access to the latest technology and the most advanced training environments is critical to the success of those we train.

The University of Michigan Hospital and Health Systems is currently in the midst of the "Medicine Needs Victors" campaign, with a goal of raising \$1 billion. The focus of the campaign is educational support. The challenges facing our department trainees are greater than those faced by previous generations. Our goal is to create professorships to support faculty and establish an endowment of at least \$1 million to support resident education.

Despite the challenges, we look optimistically toward the future. We hope that you will consider participating in these efforts as we continue the tradition of excellence for future generations.

If you have questions about any of these funds, or you are considering a gift through estate, please contact Laura Boudette at lauraabo@med.umich.edu or 734.272.8753.

Executive Officers of the University of Michigan Health System: Marschall S. Runge, MD, PhD, Executive Vice President for Medical Affairs, Dean, University of Michigan Medical School; David A. Spahlinger, MD, Executive Vice Dean of Clinical Affairs, President, Clinical Enterprise; Kathleen Potempa, PhD, Dean, School of Nursing.

The Regents of the University of Michigan: Michael J. Behm, Mark J. Bernstein, Laurence B. Deitch, Shauna Ryder Diggs, Denise Ilitch, Andrea Fischer Newman, Andrew C. Richner, Katherine E. White, Mark S. Schlissel, *ex officio*.

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