On March 30 of this year Dr. Colin Derdeyn was honored as the first named chair for the Department of Radiology, the Kenneth L. and Gloria D. Krabbenhoft Chair in Radiology.

Dr. Krabbenhoft grew up in Iowa. He attended the University of Iowa for both undergraduate and medical school. He was the former chairman of the Department of Radiology at Wayne State University and Executive Director of the American Board of Radiology (ABR). His most famous achievement as executive director was to centralize the ABR oral examinations in Louisville, KY, rather than continuing to move them around the country.

Dr. Krabbenhoft and his wife, Gloria, met while attending The University of Iowa and subsequently got married in Iowa City. They had a special fondness for Iowa City and The University of Iowa. The Krabbenhofts acknowledged this fondness by their overwhelmingly generous donation to the Department to fund an endowed chair in their name after their deaths. Dr. Krabbenhoft passed away in 2010.

Additionally, to pay tribute to Dr. Krabbenhoft’s lifelong commitment to radiology education, his name graces our most prestigious departmental faculty teaching award, the Krabbenhoft Teacher of the Year Award.

I cannot think of a better person than Dr. Colin Derdeyn to be honored with the endowed chair of radiology in Dr. Krabbenhoft’s name. Dr. Derdeyn exemplifies the true “triple threat” in academic radiology with his passion for teaching, research and strong clinical work.

We are very fortunate to have benefited from the generous donation of Kenneth and Gloria Krabbenhoft.

~Joan E. Maley, MD, FACP
I’m very grateful for a year of growth and progress for our department, and I am excited about the year to come. For this year’s Notes From the Chair, I am going to post the brief remarks I made at the reception we had at the Kinnick Stadium Press Box after the Krabbenhoft Chair investiture in April.

Krabbenhoft Chair Investiture Address:

First, I want to again thank the Krabbenhoft family for their generous gift and support. The funds from the interest on this endowment will allow us to make investments to advance our missions – critically important and greatly appreciated. It is a great way to perpetuate the legacy of a great radiologist and Iowan, Ken Krabbenhoft and his wife, Gloria.

Second, I am extremely grateful to be here at Iowa and honored to serve as the Chair of this department. Over this past year, I have gotten to know you all much better and I have gained a much deeper appreciation for your commitment and dedication to our patients and our department: patient care, research, education – all three domains. There is across-the-board clinical excellence and I hear this every day from our referring physicians. You have a great commitment to resident and medical student education.

We have some outstanding research labs that are nation-leading. This is a special place and it is because of you all.

A few specifics – I apologize in advance for leaving some of you out, but these were things that just came to me preparing these remarks: the can-do and preserving attitude of the Chest and Body sections – Catie Metz and Maheen Rajput developing the MR fusion prostate biopsy service. MSK’s unique embedded situation in the Ortho Clinic, and the excellent service and education they provide. They are a model for value-based care. Neuro’s deep bench and great track record for resident research projects (Toshio Moritani and Andres Capizzano). The incredible skill, hard work and dedication of the IR team. Travis Witham and the chaos that is the MR facility. The Breast service and the consistently glowing patient comments that they receive. Vince Magnotta’s growing MR empire in the PBDB. The almost seamless move to Childrens! Janet Roe, Cindy Vest, Tyler Artz, Dave Owen and the Rad Engineering team, and all our dedicated technologists and nurses. Eric Hoffman and Jessica Sieren’s Pulmonary Physiology Lab. The theranostics program that treats patients from all over the country. The Barloon’s generosity – Etteldorf and Barloon Visiting Professorships. Bruno Policeni, Tony Knight and Janet Pollard’s leadership of the education team.
I’m excited about the future here as well and I want to map out a little bit about where we are going.

Patient-oriented care and teams – driving better integration of our technologists and physicians will be critical for us to provide the best care to our patients, and demonstrating the value we bring to the table: performing the right study, obtaining the highest quality images and answering the clinical question. I’ve had Lionel Vasquez and Janet Roe make the rounds with the technologist managers and medical directors to gather information on how we can make those two roles better partners in managing their areas. The quality improvement projects that we have launched in IR, Breast and Fluoro are another example of these important initiatives.

The electronic imaging platform – the PACS and its associated tools for reporting and communicating with our patients and referring physicians – is both our lifeblood and the bane of our existence. We must make this platform work better for us, for our patients, and our referring physicians. We have some core strengths with our radiology engineering group, and with a new Vice Chair’s (being recruited) eventual role as an Associate Chief Medical Information Officer. We have the tools to build an effective team and bridge between our operation and the hospital’s. We have an opportunity to play a leadership role in enterprise imaging for UIHC.

Quantitative imaging and advanced analytics are the future of imaging. More and more of the studies we perform are obtained for data analysis, not just for a qualitative visual inspection of images like the old days. Quantitative tools to accurately assess tumor growth and MS lesion volumes, for example, are going to be an increasing part of our practice. Artificial intelligence and mechanical learning methods will also play a role in image data analysis. We have a great opportunity to be nation-leading in these new areas. The Iowa Institute of Biomedical Imaging is a unique partnership with the world-class imaging scientists in the College of Engineering. This facility and the faculty engaged there put us in a position to make fundamental advances in how imaging can be used to guide clinical care and research.

We are working with the development office to support more philanthropy to continue to support our critical research and education missions. I’m very excited about being able to announce some additional professorships in the near future.

In summary, the future is bright here at Iowa. Thank you again to the Krabbenhofts and to the entire department for your support and commitment.
This is an exciting time for the Pediatric Radiology section. We moved to our new location in the Stead Family Children’s Hospital (SFCH) in February and are enjoying our new facilities. The building is located just outside of the John Pappajohn Pavilion and consists of 14 stories (12 above ground and 2 below ground) with inpatient facilities, ICUs, ORs, as well as procedure suites. The view from the 12th floor is spectacular and affords an exceptional view of Kinnick Stadium as well as the surrounding city.

Our new pediatric imaging area is located in the second lower level and has all of the imaging modalities centrally located just a few steps outside of the reading room. This has helped significantly as it allows us to be more involved with image acquisition throughout exams. In the new area we have two rooms for plain films, one for fluoroscopy, two ultrasound rooms, a 1.5T Siemens Aera MRI scanner, as well as Siemens Drive CT scanner. This CT scanner is the first of its kind to be installed in the United States and only the third in the world. There is also already built shell space for an additional 3T MRI scanner, which will hopefully be installed in the next year. Because of the pediatric-specific imaging we perform, all of the rooms are kid-friendly with everything from colorful murals on the walls to lights in the ceilings.

Since our last sectional update, I have joined the pediatric faculty after finishing a pediatric and neuroradiology fellowship. Drs. Yutaka Sato, Simon Kao and Michael D’Alessandro have continued full speed ahead without signs of slowing down. Our 2016-2017 pediatric radiology fellow, Mohammad Amarneh, will return to our division as faculty after completing a pediatric interventional radiology fellowship this year at Boston Children’s Hospital.

Our section has continued to be actively involved with radiology education and recently returned from the Society of Pediatric Radiology meeting in Vancouver where we had 10 educational exhibits. We have also recently presented at RSNA, ASNR as well as AUR.

We are very fortunate to work with exceptional physicians, both within and outside of our department. If you are ever in Iowa City, please come visit and see the new facilities and friendly faces.
Interventional Radiology has been rapidly evolving due to innovative devices and increased application of interventional techniques in various therapeutic procedures. While image quality has improved and digital technology has been used to its full advantage over time in the evolution of angiography and interventional radiology suites, until recently little had really changed with respect to the way imaging has been utilized to guide these interventional procedures.

The Interventional Radiology Section recently acquired MIYABI Angio-CT suite. This combines angiography and CT Sliding Gantry for hybrid imaging leveraging the strengths of each modality. Both systems slide over the same table to quickly switch between modalities, offering new possibilities in therapy, interventions, and immediate assessment of treatment results. MIYABI Angio-CT brings direct patient response monitoring and personalized treatment within reach.

For a busy section like ours, performing a wide spectrum of interventions, including vascular work, drainages, biliary drains, percutaneous nephrostomies, biopsies, state-of-the-art cancer treatments etc., this capability makes routine cases easier and complex cases possible. At the same time it provides an extra margin of safety and confidence in all procedures.

Over a short period of time, the MIYABI has become one of our main workday machines. Before it, if we needed to change the imaging modality from fluoro to CT, we would pack that patient very carefully, try to lift them off the table and to the room down the hallway, while there is a sharp needle in the patient or a wire that might come out. With this machine, those scenarios are a thing of the past.

To conclude, in my opinion, our new MIYABI Angio-CT offers the best performance for treating our patients safely in a much more efficient manner.

Sandeep Laroia, MD
Clinical Associate Professor
Director, Interventional Radiology
I was chosen by the RSNA to be an International Visiting Professor. I had the privilege to travel to Indonesia in May 2017 for ten days to give a total of six different lectures at 3 different local teaching hospitals and at the 12th Annual Indonesian Radiological Scientific Meeting in Jogjakarta. I gave lectures on Abdominal and Pelvic Imaging and Women’s Imaging. We were a group of three radiologists; a chest imager from Philadelphia, Pennsylvania and a neuro imager from Athens, Greece. Radiology residents, fellows and faculty in all disciplines were in attendance.

The teaching hospitals are all equipped with conventional X-ray, fluoroscopy, ultrasound, CT and MRI. They also have Interventional Radiology and Nuclear Imaging. Some of the larger hospitals have mammography and PET/CT. Our presentations and slides were in English, as the Indonesians are familiar with English. There were approximately 300-400 radiologists at the Annual Scientific meeting.

All the Indonesian people, especially the radiology residents, were so eager to learn, ask questions and attend our lectures. In the three different cities we visited - Jakarta, Makassar, and Jogjakarta - the residents and various faculty wanted to discuss medicine, radiology, and culture in the US. We toured the hospitals and the radiology departments and not only gave lectures, but discussed current unknown cases in the reading room. They were the ideal hosts for their beautiful country, showing us the landscape, and teaching us their culture and customs. In our free time, we visited some of the most beautiful temples in the country representing the Hindu and Buddhist religions. It was an incredible honor to be selected by the RSNA to represent Iowa Radiology. I have so many wonderful memories from Indonesia and one day will travel back to this beautiful country!
UI radiologists Bob Harris and Janet Pollard traveled to Kigali, Rwanda this summer to take part in teaching residents in the country’s first-ever radiology residency program. Dr. Harris’s involvement dates back to 2015 when he lived in Kigali for 9 months with grant support and collaborated with U.S. and Rwandan radiologists in designing and implementing the new program. As a member of the admissions selection committee he helped choose the current four residents for the class of 2020. This summer he returned to see them in action near the end of their first year of training. Although visiting radiologists now augment and support the existing complement of Rwandan academic radiologists, the long-term plan is for Rwandan leadership to guide the residency program forward.

Until the creation of the program, physicians wishing to train in radiology were forced to attend programs in other African countries and elsewhere. If the Rwanda program succeeds, it can serve as a steady pipeline of radiology specialists for the country. As another visiting U.S. radiologist said to the inaugural class of residents: “You will be the parents of radiology in Rwanda.”

The Rwandan residents put in long hours at work and studying to prepare for conferences and clinical cases. This year they will transition into taking call at one or more hospitals in Kigali. Three of the four residents have wives and children and one commutes 2 hours every weekend to his home in the city of Butare.

The activities of the two UI visiting radiologists varied from lectures to clinical work to networking with program faculty. During his visit Dr. Harris was fully credentialed by the Rwandan government to read and perform radiology studies, so clinical work as well as resident education were all part of his daily schedule. Dr. Pollard, as a visitor without hospital credentials, was able to view but not report cases. The case mix, although typical for Rwanda, was quite unusual compared to that in Iowa. Dr. Pollard delivered introductory nuclear medicine lectures to the residents. Although the country does not have a nuclear medicine facility at this time, the material is still a component of the residency curriculum. The prospects are realistic for Rwanda to one day achieve nuclear medicine capabilities.

The new Rwandan radiology residency is currently looking for United States academic partners. The program is potentially fertile ground for global outreach among faculty, fellows, residents and technologists interested in extracurricular work with a large educational impact.
Ameera F. Ismail, MD, was born and raised in Kuwait, but her family is Egyptian. She completed her medical degree at Faculty of Medicine in Alexandria, Egypt. She joined the Diagnostic Radiology Residency Program at the University of Iowa Hospitals and Clinics in 2006, and went on to complete a fellowship in Neuroradiology in 2011 at UIHC as well.

After fellowship she was off to Sartell, Minnesota, where she worked for Regional Diagnostic Radiology, serving 10 hospitals. It was a move to a more metropolitan area but had a lot of Iowa graduates, so it felt like home. Their excellent work ethic and high standards really helped her to develop into a strong radiologist.

Though she loved the people she worked with in Minnesota, an opportunity came along to join the neuroimaging team at Long Beach Medical Center (LBMC) in California (along with its sun and beaches!), so she made the move in 2012. Today she is in charge of Head and Neck Imaging for the Department of Radiology, serving 10 hospitals. It was a move to a more metropolitan area but had a lot of Iowa graduates, so it felt like home. Their excellent work ethic and high standards really helped her to develop into a strong radiologist.

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Dr. Ismail is very passionate about providing the highest quality care for her patients. She says one of the things she learned from her tenure at Iowa was to cultivate positive relationships with neurosurgeons, ENTs, and neurointerventionalists to provide an involved, comprehensive team approach to patient care. She says many aspects of her training still influence how she practices today. From Dr. Bruno Policeni, she learned to always try and integrate new ideas and procedures into the practice. From Dr. Toshio Moritani, she learned to always look at the literature before signing off on complicated cases. And Dr. Wendy Smoker gave her a strong background in head and neck imaging. Her training at Iowa taught also her to take a systematic approach to cases and understand the pathophysiology. Although she sometimes dreaded the resident conferences, they deepened her skills in presenting an opinion and explaining her reasoning behind a diagnosis or defending the differential, which makes the clinicians she works with confident in her reports.

In her free time, Dr. Ismail loves to travel. Recently she’s visited Spain, Italy and Egypt and plans to visit Thailand very soon. On weekends you’ll often find her hiking or taking salsa lessons. Recently she was persuaded to go skydiving and has also tried her hand at hang gliding.

2017 Japan Radiological Society Meeting

The 76th Annual Meeting of the Japan Radiological Society (JRS) was held April 13-16, 2017 in Yokohama, Japan. Four of our own, Drs. Colin Derdeyn, Yutaka Sato, Kenjiro Ohashi and Minako Hayakawa, participated in that conference and met up with a number of our alumni who either trained or were faculty at UIHC. The University of Iowa Department of Radiology has a long and unique history with our friends overseas, and it was great to reminisce and share new ideas with our colleagues in Japan!
Now more than ever, philanthropy is vital to maintaining and enhancing the University of Iowa’s legacy of excellence in medicine. Charitable gifts to the Department of Radiology provide critical support for innovative research, as well as for new and advanced patient care and educational programs.

The UI recently completed its For Iowa. Forever More. campaign, and because of overwhelming private support, the department surpassed its $2 million fundraising goal. Thanks to generous gifts from 369 alumni and friends—individuals who recognize the important work being done at the UI—the department raised more than $3.1 million for education, faculty support, patient care, and research.

For instance, a gift from the estate of Kenneth L. Krabbenhoft (1943 B.A., 1946 M.D.) and Gloria D. Krabbenhoft (1945 G.N.) created the department’s first named, endowed faculty position: The Kenneth L. and Gloria D. Krabbenhoft Chair in Radiology. The Krabbenhofts, who met in Iowa City, left the gift because they were grateful for their UI education. An investiture ceremony was held earlier this year, and Colin P. Derdeyn, M.D., chair and departmental executive officer, was the chair’s recipient.

Outright and planned gifts provide Dr. Derdeyn and his staff with the resources necessary to aid in vital discoveries, build a strong department, change lives, and train first-rate radiologists. To learn more about how philanthropy can change lives and support continued excellence in the Department of Radiology, please contact John Dwyer at john.dwyer@foriowa.org or at (319) 467-3861. Together, we can help the department continue to lead.

Transforming Health Care at Iowa

Each year the Department of Radiology sponsors four different Visiting Professorships, inviting academics and clinicians who are top in their fields.

The Carl J. Gillies Visiting Professorship was established in 1979 in honor of Dr. Gillies, who served the UIHC community for over 39 years, joining the newly formed Radiology Department as an associate professor in 1934. Along with Dabney Kerr, he organized the residency training program and was the first to be certified by the American Board of Radiology. Though retiring at age 70, he continued teaching and working in Orthopedic Radiology due to popular demand by staff and residents. In 1979, a Carl L. Gillies Education Center and Fund was established by The University of Iowa Department of Radiology. The fund recognizes his contributions to education and is used to enhance educational endeavors, including the Gillies Visiting Professorship.

The Richard E. Peterson Nuclear Medicine Memorial Lecture honors the work of Dr. Peterson for his dedication and commitment to the field of Nuclear Medicine. He joined and served as chief of Nuclear Medicine in the UI Department of Radiology and founded the Nuclear Medicine Department at the Veteran’s Administration Hospital in Iowa City. Dr. Peterson was also a founding member of the American Board of Nuclear Medicine. He retired in 1991 after serving 39 years as faculty.

The Joyce & Edward Barloon Abdominal Imaging Lectureship is generously sponsored by Thomas Barloon, MD, Associate Professor of Radiology, and David Barloon, ARNP, and was named for their parents, Joyce and Edward Barloon, for their commitment to educational excellence. They fully supported Tom and Dave in their scholastic endeavors from primary to post-graduate school. This lectureship is a way to remember and thank all parents and close friends for their lifelong engagement. It was only with their guidance and pledge to educational excellence that Tom and Dave were allowed to pursue their profession and live their dreams.

Continuing with their generosity, the Barloon brothers also established The Regina Etteldorf Lectureship in Breast Imaging in honor of their grandmother for her commitment to the educational endeavors of her children and grandchildren. This lectureship is a “Thank you” for the support of close friends and relatives whose lifelong encouragement allowed them to fully pursue their professional goals.

Spotlight on Visiting Professor Programs in the Department of Radiology

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Retirements

Cindy Vest began working in the Department of Radiology in 1969 as a trans aide. Upon graduation from the University of Iowa Radiologic Technology program, she worked as a radiologic technologist. Cindy then moved into a clinical chief role and ended her career as Assistant Technical Director for Diagnostic Radiology. Cindy’s contributions to the department are countless. She mentored many staffs, was a crusader for implementing practices for safe patient care and helped develop a culture of excellent service for our patients. We are all grateful for her leadership over the past 47 years and wish her well!

Dave Owen, Director of Radiology Engineering, retired in April 2017 after serving the department for 40 years. His service included the creation of the engineering service, leadership through the acquisition and implementation of generations of advanced technologies, and the formation of an outstanding team of engineers who maintain and support the equipment and technology for the Department of Radiology. We all say thank you and wish Dave best wishes in retirement!

Jean Robillard, Bruno Policeni, Colin Derdeyn, Cindy Vest

Faculty Promotions

Vincent Magnotta, PhD, was promoted to the rank of Professor of Radiology. Dr. Magnotta also serves as Professor of Psychiatry and Biomedical Engineering. His research focuses on the development of novel imaging techniques and analysis strategies for understanding psychiatric/neurological brain disorders.

Bruno Policeni, MD, was promoted to the rank of Clinical Professor of Radiology. Dr. Policeni serves as Director of the Radiology Residency Program, Neuroradiology Fellowship Program, Head & Neck Fellowship, and is Vice Chair for Education.

Jean Robillard, Bruno Policeni, Colin Derdeyn

Kevin Schartz, PhD, was promoted to the rank of Research Associate Professor. Dr. Schartz’s research focuses on software tools to conduct observer performance and technology evaluation studies in diagnostic radiology, software tools for receiver operating characteristic (ROC) analysis, and psychophysics.

Jean Robillard, Vincent Magnotta, Colin Derdeyn

In May 2017, Leonel Vasquez, MD, FACR, Clinical Associate Professor and Head of the Breast Imaging Division, was appointed Vice Chair for Operations in the Department of Radiology. Dr. Vasquez has done an outstanding job building a very effective, patient-oriented team in Breast Imaging and brings a lot of experience as an effective leader/manager of radiology departments at several of Emory University’s (where Dr. Vasquez worked before coming to the UI) community partner hospitals. Dr. Vasquez is tasked with helping to make our clinical enterprise better for patients, referring physicians, faculty and technologists.

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2017 Fellow Graduates

Mohammad Amarneh, MBBS, Boston Children’s Hospital/Harvard Medical School, Boston, MA
Manish Bajaj, MBBS, AU Medical Center, Children’s Hospital of Georgia, Augusta, GA
Mark Crain, DO, Beacon Health System/Memorial Hospital of South Bend, South Bend, IN
Hussein Kekhia, MD, MDTC, Beirut, Lebanon
Nadine Mallak, MD, Oregon Health and Science University, Portland, OR
Tracy Marchant, DO, Alaska Native Medical Center, Anchorage, AK
Brian McMahan, MD, St. Luke’s Hospital, Boise Radiology Group, Boise, ID
Jason Mueller, MD, Radiology Group PC, SC, affiliated with Genesis Health System, Davenport, IA
Katherine Rankin, DO, The Breast Center, Medical Associates of Northwest Arkansas, Fayetteville, AR
Derek Savells, MD, Radiology Group of Paducah, Paducah, KY
Elijah Trout, DO, High Plains Radiological Association, Baptist St. Anthony’s, Amarillo, TX
Mark Van Tassell, MD, Radiology Montana, Benefits Health System, Great Falls, MT
Joel Ziegelbein, MD, Radiology Group PC, SC, affiliated with Genesis Health System, Davenport, IA

2017 Resident Graduates

Adam Liudahl, MD, Fellowship, Neuroradiology, University of Iowa, Iowa City, IA
Joseph Gastala, MD, Fellowship, Neuroradiology, University of Iowa, Iowa City, IA
Simon Roh, MD, Fellowship, Interventional Radiology, Cornell University, Ithaca, NY
Michaelangelo Fuortes, MD, PhD, Fellowship, Neuroradiology, University of Iowa, Iowa City, IA
Charmi Vijapura, MD, Fellowship, Breast Imaging, Harvard Massachusetts General Hospital, Boston, MA
Serine Baydoun, MD, Fellowship, Breast Imaging, University of Texas SW, Dallas, TX
Steven Morales, MD, Fellowship, Cardiovascular and Interventional Radiology, Pennsylvania State University, Hershey, PA
Brendan M. O’Shea, MD
We are pleased to welcome Brendan M. O’Shea, MD, who joined the Vascular Interventional Radiology section as a Clinical Assistant Professor on July 1, 2017. Dr. O’Shea most recently served as an Interventional and Diagnostic Radiologist at Mercy Medical Center in Janesville, WI. He completed a fellowship in Vascular and Interventional Radiology at Brigham and Women’s Hospital in Boston, MA, and a Diagnostic Radiology Residency and a Neuroradiology Fellowship at the University of Iowa Hospitals and Clinics. His clinical interests include interventional oncology, complex venous interventions and uterine fibroid embolization. His research interests include interventional radiology education, patient safety, and healthcare economics. Dr. O’Shea is excited to return to UIHC and contribute to the growing Vascular and Interventional Radiology section.
Honors & Awards

Adam Liudahl, MD, received the Resident Research Award for his presentation entitled, Diagnostic Accuracy of Axial Constructive Interference Steady State Sequence in Screening for Small Vestibular Schwannomas, (faculty mentors: Joan Maley, MD, and Bruno Policeni, MD) in conjunction with 2017 Senior Resident Research Day held on March 6, 2017.

Our Diagnostic Radiology Residency Program offers ample opportunities and mentor support for cutting-edge research within the Department of Radiology, and this year’s other senior presenters represent the best of that research. They were:

• Charmi Vijapura, MD: Genetic Syndromes Associated with Central Nervous System Tumors (faculty mentor: Toshio Moritani, MD, PhD)

• Michaelangelo Fuortes, MD, PhD: Sialolithiasis Assessment by Computed Tomography with Potential Treatment Implications (faculty mentor: Wendy Smoker, MD)

• Joseph Gastala, MD: What Radiologists Should Know about Brain Death: Radiologic Signs of a Non-Radiologic Diagnosis (faculty mentor: Toshio Moritani, MD, PhD)

• Steven Morales, MD: Catheter-Based Transarterial Therapies for Hepatocellular Cancer (faculty mentor: Sandeep Laroia, MD)

• Serine Baydoun, MD: Tomosynthesis Increase Invasive Breast Cancer Detection Rate with Pathological Correlation and Additional Diagnostic Value in Lobular Carcinoma (faculty mentor: Limin Yang, MD)

• Simon Roh, MD: Analysis of Potential Causes of Bleeding Recurrence Post Embolization for Lower Gastrointestinal Hemorrhage (faculty mentor: Shilang Sun, MD)
Islam Elhelf, MD, Diagnostic Radiology resident, was selected as one of 35 candidates nation-wide to participate in the highly competitive AUR Radiology Resident Academic Leadership Development Program held in May 2017. Recipients of this award receive a $1,500 stipend to attend.

Shafik Wassef, MBBCh, Diagnostic Radiology resident, joined the American College of Radiology’s Economics Committee on Breast Imaging as a Radiology/Fellow Physician representative. The committee handles issues related to correct coding processes, CPT code changes, and local medical review policies.

2017 Krabbenhoft Award for Excellence in Teaching

Alan Stolpen, MD, PhD, Clinical Associate Professor

Red Apple Awards

Noteworthy Excellence and Effort in Teaching as indicated by the 2016-17 medical students in the Carver College of Medicine

Monzer M. Abu-Yousef, MBBCh, FACR, FAIUM, FSRU
Archana T. Laroia, MD
Catherine M. Metz, MD
Brian F. Mullan, MD, MME, MS
Eve D. Clark, MD
Joel Dennhardt, MD
Alex Essenmacher, MD
Sami Faruqui, MD
Trevin Hayman, MD
Shafik Wassef, MB, ChB

Resident Teaching Awards

Roentgen Resident Research Award
Adam Liudahl, MD

Resident Teacher of the Year
Adam Liudahl, MD
Michaelangelo Fuortes, MD, PhD

Faculty Teacher of the Year
Catherine Metz, MD

Medical Student Teaching Awards

Gillies Award for Outstanding Senior Medical Student
Cameron Koch, MD

Resident Teachers of the Year
Joel Dennhardt, MD
Shafik Wassef, MB, ChB

Resident Educators of the Year
Michaelangelo Fuortes, MD, PhD
Trevin Hayman, MD

Fellow Teacher of the Year
B. Lane McMahan, MD

Senior Faculty Teacher of the Year
Brian Mullan, MD, MME, MS

Junior Faculty Teacher of the Year
Shawn Sato, MD

Meeting Awards


Scot Heery Scholarship Recipients

The recipients of the Scot Heery Scholarships for the 2017-18 academic year are three applicants whose work ethic and daily commitment to quality patient care most closely aligned with the values and character that Scot Heery portrayed in his distinguished career and are expected of Radiation Sciences students. They are:

- **Micole Lansing** – Diagnostic Medical Sonography – General/Vascular
- **Shelby Martin** – Radiologic Technology/CT
- **Lyndsey Van Loh** – Radiation Therapy

The funding of these $5000 awards comes from a very generous gift presented to the U of I Foundation in Scot’s name by an anonymous donor. The Scholarship’s Selection Committee, comprised of 7 individuals who knew Scot well, received and reviewed applications from many extremely qualified and deserving students, making the selection process a difficult one. The recipients were honored at a reception held on August 3, 2017.

David Carey, RTR, receives Radiology Technologist of the Year Award

David Carey, RTR, was awarded the Scot Heery Radiology Technologist of the Year Award. Dave was nominated by his peers for working to improve imaging protocol and workflows to optimize patient care at the new Stead Family Children’s Hospital. Dave goes above and beyond to make sure that patients are comfortable and have a great experience in Radiology and is an extremely pleasant person to work with. A well-deserved recognition!

Mark T. Madsen, PhD, receives SNMMI International Abstract Award

The Society of Nuclear Medicine and Molecular Imaging (SNMMI) recognized Mark T. Madsen, PhD, for having the best scored abstract submitted from the United States at the SNMMI Annual Meeting held in Denver, CO, for his abstract entitled, “Single Time Point Dose Estimate for Bi-Exponential Clearance.”

When radionuclide therapy is performed, it is desirable to measure the radiation dose to critical organs in order to determine how much radioactivity can be safely administered. This typically requires doing imaging studies over 4 or more days, which is a big burden to both patients and the clinic. This abstract demonstrates how it is possible to accomplish the dose estimate with a single measurement. This work was supported in part by NIH grant 5R01EB004987, M. Sue O’Dorisio and Yusuf Menda (Pis).

Scientific abstracts from over 60 countries are submitted to the SNMMI Annual Meeting each year, and for the last three years, SNMMI has awarded an International Best Abstract Award to one recipient from each representing country. This is the 2nd year in a row that Dr. Madsen has received this high honor for abstracts submitted from the United States. Dr. Madsen was honored at a reception on June 11th, along with other winners across the globe, to celebrate the outstanding work of these scientists to improve the effectiveness of nuclear medicine and molecular imaging in the diagnosis and treatment of patients.

**New Chiefs Named!**

Please join us in welcoming in our new Chief Residents!

- **Michael Lucin, MD**, Chief
- **Nour Aly, MD**, Asst. Chief
Invited Talks & Visiting Professorships


New Grants

Pl: Colin Derdeyn, MD
Title: Rapid Magnetomotive Thrombolysis for Stroke
Sponsor: Pulse Therapeutics, Inc; US Department of Health & Human Services, National Institutes of Health
Amount: $16,729
Duration: 09/30/2016-09/29/2017

Pl: David Dick, PhD
Title: Program for Synthesizing a F18 Labeled Redox Sensitive Probe for Developing a Novel PET Imaging Agent for Looking at Redox Metabolism
Sponsor: Holden Comprehensive Cancer Center Oberley Seed Grant Program
Amount: $22,875
Duration: 02/15/2017-02/14/2018

Pl: Eric Hoffman, PhD
Title: Structural Plasticity in Compensatory Lung Growth and Remodeling
Sponsor: University of Texas Southwestern Medical Center; US Department of Health & Human Services, National Institutes of Health
Amount: $383,788
Duration: 01/01/2017-11/30/2020

Pl: Eric Hoffman, PhD
Co-Investigator: John Newell, MD
Title: Subclinical Interstitial Lung Disease in MESA and FAR-ILD
Sponsor: Columbia University; US Department of Health & Human Services, National Institutes of Health
Amount: $105,875
Duration: 05/01/2017-04/30/2021

Pl: Eric Hoffman, PhD
Title: Genetic Epidemiology of COPD
Sponsor: National Jewish Health; US Department of Health & Human Services, National Institutes of Health
Amount: $442,251
Duration: 09/05/2017-07/31/2022

Pl: Eric Hoffman, PhD
Co-Investigator: John Newell, MD
Title: SPIROMICS – Bridge Funding
Sponsor: COPD Foundation
Amount: $144,310
Duration: 08/01/2016-07/31/2018

Pl: Karin Hoth (Psychiatry)
Co-Investigator: Eric Hoffman, PhD; Vince Magnotta, PhD; John Newell, MD
Title: Determinants of Altered Brain Structure and Function in Smokers with COPD-Related Lung Pathophysiology
Sponsor: US Department of Health & Human Services, National Institutes of Health
Amount: $3,061,980
Duration: 05/01/2017-04/30/2022

Pl: Mathews Jacob, PhD
Co-Investigator: Vince Magnotta, PhD, Laurie Ponto, PhD
Title: High-Resolution Acidosis Biomarker in Early AD
Sponsor: US Department of Health & Human Services, National Institutes of Health
Amount: $146,200
Duration: 09/21/2017-03/31/2018

Pl: David Kaczka, MD, PhD
Co-Investigator: Eric Hoffman, PhD
Title: PR151761 Optimizing Ventilation Distribution and Gas Exchange in Combat-Related Lung Injury Using Multifrequency Oscillation
Sponsor: US Department of Defense, Congressional Directed Medical Research Program
Amount: $305,000
Duration: 09/15/2016-03/14/2018

Pl: Sandeep Laroia, MD; Yusuf Menda, MD
Title: Selective Intravascular Injection of Peptide Receptor Radionuclide Therapy (PRRT) in Neuroendocrine Tumor Patients with Liver Metastases
Sponsor: NET SPORE Developmental Research Funding Opportunity; US Department of Health & Human Services, National Institutes of Health
Amount: $63,125
Duration: 09/01/2017-08/31/2018

Pl: Ching-Long Lin, PhD
Co-Investigator: Michael Graham, MD; Eric Hoffman, PhD
Title: A Cluster-Based Assessment of Drug Delivery in Asthmatic Small Airways
Sponsor: US Department of Health & Human Services, Food & Drug Administration
Amount: $599,988
Duration: 09/10/2016-08/31/2018

Pl: Vince Magnotta, PhD
Title: Characterization and Enhancement of Functional T1rho Imaging
Sponsor: US Department of Health & Human Services, National Institutes of Health
Amount: $1,372,500
Duration: 08/01/2017-03/31/2021

Pl: Vince Magnotta, PhD
Title: Cerebellar Metabolism, Neural Circuits, and Symptoms in Bipolar Disorder
Sponsor: US Department of Health & Human Services, National Institutes of Health
Amount: $2,748,484
Duration: 09/20/2017-06/30/2022

Pl: Michael Schultz, PhD
Title: Eichrom Scholar Radiochemistry Education Experience Program
Sponsor: Eichrom Technologies, Inc.
Amount: $20,000
Duration: 01/01/2017-12/31/2017
New Grants continued

PI: Michael Schultz, PhD
Title: Nanozymes for Kidney Therapy
Sponsor: University of Iowa Office of the Vice President for Research and Economic Development
Amount: $42,000
Duration: 08/01/2016-07/31/2017

PI: Michael Schultz, PhD
Title: Systemic Targeted Radionuclide Therapy for Metastatic Melanoma
Sponsor: Viewpoint Molecular Targeting, LLC; US Department of Health & Human Services, National Institutes of Health
Amount: $387,222
Duration: 09/18/2017-09/17/2019

PI: Jessica Sieren, PhD
Title: Precision Pulmonary Disease Evaluation and Lung Cancer Detection Using Quantitative Imaging with Low-Dose CT
Sponsor: VIDA Diagnostics, Inc.; US Department of Health & Human Services, National Institutes of Health
Amount: $113,664
Duration: 08/11/2016-07/31/2017

PI: Jessica Sieren, PhD
Title: P53 and KRAS Targeted Pigs: A Platform Model of Human Lung Cancer
Sponsor: VIDA Diagnostics, Inc.; US Department of Health & Human Services, National Institutes of Health
Amount: $100,000
Duration: 12/01/2016-11/30/2018

PI: Joseph Shaffer, PhD
Title: Non-Invasive Cerebellar Stimulation to Improve Executive Control Network Activity and Time Perception Task Performance in Schizophrenia
Sponsor: Nellie Ball Trust
Amount: $33,083
Duration: 02/01/2017-01/31/2018

PI: John Sunderland, PhD
Title: Qualification and Harmonization of PET/MRI for Cancer Clinical Trials
Sponsor: University of California, San Francisco; US Department of Health & Human Services, National Institutes of Health
Amount: $187,334
Duration: 03/06/2017-06/30/2022

PI: Peter Thorne, PhD
Co-Investigator: Eric Hoffman, PhD
Title: Environmental Health Sciences Research Center (EHSRC)
Sponsor: US Department of Health & Human Services, National Institutes of Health
Amount: $1,954,909
Duration: 05/01/2017-03/31/2022

PI: Michelle Voss, PhD
Co-Investigator: Vince Magnotta, PhD
Title: Exercise to Improve Hippocampal Connectivity and Learning in Older Adults
Sponsor: US Department of Health & Human Services, National Institutes of Health
Amount: $3,511,184
Duration: 08/01/2017-03/31/2022

PI: John Wemmie, MD, PhD
Co-Investigator: Vince Magnotta, PhD
Title: Bipolar Disorder Research Program of Excellence
Sponsor: Roy J. Carver Charitable Trust
Amount: $750,000
Duration: 05/01/2017-04/30/2022

Our People
Make the difference...
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