Letter From the Chair

Radiology Updates

Faculty Spotlight

Awards and Recognition

Where Are They Now?

Tech Highlight

Comings & Going

You're Invited

Fast News

• Drs. Gentry, Kim, McDermott Named Fellows of the American College of Radiology
• UW Radiologists Visit Nicaragua to Volunteer
• Spotlight on Lung Imaging
• UW SMPH Tops Partners in Giving List
• Faculty Spotlight: Dr. Lonie Salkowski

Radiology’s Achievements Span Clinical, Research, Education

Tom Grist, M.D., FACR

As I reflect on the contents of this volume of the Inside View, I am struck by the amount and diversity of great work by our faculty and staff and the corresponding well-deserved recognition that they are receiving.

In this version of our quarterly, you will see that our faculty has received numerous awards and well-deserved recognition for their contributions to our clinical mission (Hinshaw and Lubner), our research mission (Nagle, Cai, Prabhakaran, K. Lee, Strigel) and our educational mission (Salkowski and Lantta).

In addition, you will witness the impact of our faculty and staff’s effort in research, for example, by hosting an international conference on lung imaging. We have also worked in outreach in clinical care and education, for example, by developing a partnership for enhancing ultrasound imaging in Nicaragua.

We should all be proud of the accomplishments of our colleagues. While these awards often recognize an individual’s effort, if you speak with the faculty or staff who received the awards, they will credit their colleagues here at UW, and the teamwork necessary to achieve their success. We should all be proud of the accomplishments of our colleagues, and earnest to share the results of our effort with others.

This spring and summer, in response to a fundraiser to benefit the American Family Children’s Hospital, our leadership team encouraged all of our employees to share their pride in the work that we do collectively here at UW, by sporting our logo on UW Health jackets and backpacks provided by the department and UW Health leadership.

This is a small gesture of gratitude for the dedication and teamwork for everyone in our department, and also an effort to encourage all of our employees wear their pride and spread the word about good things happening here. Radiology deeply appreciates the effort that our faculty and staff contribute to our department, and to UW Health overall.

Drs. Hinshaw and Lubner Receive UW Health Clinical Excellence Awards

The Department of Radiology would like to congratulate Drs. Megan Lubner and J. Louis Hinshaw on their UW Health Physician Excellence Awards. Of six awards given as UW Health Excellence Awards, members of the Department of Radiology took home two, a testament to the hard work of faculty members and supportive atmosphere they have helped create.

Dr. Lubner was honored as the recipient of the UW Health Physician Excellence Award for Rising Star Physician Excellence. This award is given to an outstanding clinician and educator at UW Health whose contributions are already significant enough to suggest an exemplary career trajectory. Congratulations to Dr. Lubner for already making her mark on UW.

Dr. J. Louis Hinshaw was the recipient of the UW Health Physician Excellence Award for Clinical Practice Excellence. This award is meant to recognize an outstanding clinician who demonstrates an extraordinary commitment to patient- and family-centered care.

Dr. Lee nominated Dr. Hinshaw for this award, and

See ‘Clinical Excellence’ on pg. 2
Drs. Gentry, Kim, McDermott
Become Fellows of the American College of Radiology

Drs. Lindell Gentry, David Kim, and John McDermott became fellows in the American College of Radiology (ACR) at the convocation ceremony at the Annual Meeting of the Chapter Leaders and Council in Washington, D.C. on May 2.

Becoming a fellow of the ACR, according to the organization’s preamble, is “one of the most prestigious formal recognitions available.” Only 12% of members of the ACR receive this award. Eligibility criteria include at least 10 years of membership and outstanding contributions in service, research, and teaching.

Dr. Lindell Gentry has made his mark in head and neck imaging, serving as a leader in this highly specialized field at UW and beyond for the past three decades. Gentry has authored over 60 peer reviewed articles, presented over 100 scientific exhibits and continuously mentors residents, fellows, and post-docs.

Dr. Kim has received international recognition for his contributions to research on virtual CT colonography. He also serves as the Vice Chair of Education for the Department of Radiology.

Dr. McDermott has authored over 100 publications and has shaped the clinical practice of countless UW residents and fellows over his career at UW through educational efforts and mentorship.

Receiving a fellowship with the ACR demonstrates an “achievements well above and beyond a typical academic faculty member.”

We congratulate Drs. Gentry, Kim, and McDermott on their outstanding contributions that have shaped the UW Department of Radiology into the internationally recognized department it is today.

SMPH Tops Partners in Giving List

The Partners in Giving Campaign recently thanked the UW School of Medicine and Public Health community for its significant generosity. The school and its donors were recognized as the top state agency or school with more than 400 employees for dollars raised. The SMPH also achieved second place for percent increase in contributions and ranked among the campus leaders in other categories.

In 2012, state and university employees contributed more than $2 million to the campaign to support the work of more than 520 local, national and international charities.

Partners in Giving recognized the school’s co-chairs, Margaret Birrenkott, Administrator and Director, Business Services, Department of Radiology; and Gretchen Poulsen, Clinical Trials Program Manager, Department Biostatistics and Medical Informatics; assisted by various department-level coordinators.

Faculty Spotlight: Dr. Lonie Salkowski

Lonie Salkowski, M.D., is not only one of the department’s valued radiologists in breast imaging; she also recently received an additional master’s degree. Through an RSNA Education Scholars grant, Dr. Salkowski was able to further her interest in higher education and received her Master’s in Education Leadership and Policy Analysis at the University of Wisconsin in May 2013.

Her capstone project was centered on bringing about reform in anatomical medical education. Entitled, “A Paradigm Shift in Teaching Anatomy: Development of New Educational Methods for Health Care Professionals to Learn Anatomy through Radiology Correlation,” her project explores sensory learning modalities such as visual, auditory and kinesthetic learning to better help graduate anatomy students study more effectively.

Dr. Salkowski also co-authored a textbook, “Imaging Atlas of Human Anatomy,” now in its 4th edition, which has been translated into five languages.

In addition to her master’s degree, Dr. Salkowski is also the newly appointed co-director of anatomy for the University of Wisconsin along with Dr. Karen Krabbenhoft of UW SMPH’s Department of Neuroscience. This position includes assisting in integrating anatomical education throughout the four years of medical education. The work will include bridging the first year anatomy course with the various required electives including the neuroscience course and radiology elective.

Dr. Salkowski’s newly earned master’s degree will no doubt aid her in making effective and lasting changes to the anatomy curriculum, and the Department of Radiology is looking forward to supporting her in her new role.
**UW Radiologists Visit Ebling’s “Fallout,” Learn About History Of Speciality**

On May 30, the Department of Radiology had a non-traditional Grand Rounds as we paired with the Department of Medical Physics to visit an Ebling library exhibit entitled, “Fallout: The Mixed Blessing of Radiation and the Public Health.”

“I was pleasantly surprised with the outcome of the Fallout Grand Rounds,” Melissa Lantta, the Department of Radiology’s Education Coordinator, said. “I had visited the Fallout exhibit and thought it was informative and engaging… [and] I heard from residents and faculty that they were able to learn something new from the exhibit.”

For curator Micaela Sullivan-Fowler, the opportunity to work with the Department of Radiology was similarly enjoyable. “I want to instill ‘aha moments’ in viewers, regardless of age, expertise, or profession,” she said. “There were still a lot of these moments going on, even with highly trained clinicians.” Sullivan-Fowler notes that radiology as a specialization is a “cutting-edge discipline, focused on moving forward, technology, and its applications.” However, she noted, she hoped the exhibit could imbue a sense of history in the Department of Radiology.

“The field of radiology is interesting, humbling, informative, and also affirming,” Sullivan-Fowler said. “[Our radiologists] can do incredible things like CT diagnostics, [in part] because of their predecessors who came before them.” When examining the exhibit, Sullivan-Fowler said, founders of modern radiology such as Curie, Roentgen, and Becquerel come to life as a sort of “family.” Sullivan-Fowler put portraits of the scientists in frames atop the cases to represent them, “like the family that helped [UW radiologists] make their discoveries.”

And speaking of laying the groundwork for discoveries, many important scientists in the field of radiology came from the UW. In fact, two glass cases in the exhibit are dedicated to UW pioneers like Charles Bardeen, John Juhl, Ernst Pohle, Lester Paul and John Cameron and include Department of Radiology Chair Dr. Tom Grist and UW’s current partnership with GE Healthcare.

Sullivan-Fowler says she thinks UW Radiologists came out of the Grand Rounds with a sense of dignity in their profession. “They came from an extraordinary heritage of growth and evolution, and they’re part of it.”

**UW Radiologists Travel To Nicaragua To Establish Ultrasound Training**

For five days from August 27 to 31, Drs. Gillian Battino and Mark Kliewer and Radiology Manager Dana Walker found themselves in a very different clinical setting as they traveled to Managua, Nicaragua to do preliminary research on establishing an ultrasound program for Nicaraguans living in poverty.

Battino, Kliewer and Walker worked as part of UW’s chapter of the worldwide organization RAD-AID to pair with a non-profit Nicaraguan organization, Amos Health and Hope, to complete a radiology readiness assessment in the Latin American country. Contingent upon a positive assessment, they hope to provide ultrasound equipment as well as education to Nicaraguan radiologists on its use and maintenance.

“I think we’re stepping in at a perfect place, because I believe the infrastructure is already there for a successful program,” Battino said. Battino has previous experience working in the country, as she spent part of two summers as part of CEPAD, a Nicaraguan NGO that has worked on issues such as food security, education and environmental concerns.

“Sustainability has become an important word in global medicine,” Battino said. “The goal is not to just drop a piece of equipment down there. We have to review everything, like do they have access to a continuous power source, equipment disinfectant, and appropriate educational background? At UW Radiology, we have expertise in every type of imaging modality and in education and that is what we can share with them.”

In addition to the radiology readiness assessment, the UW radiologists presented lectures on body and breast ultrasound and ultrasound technique for local radiology residents. Battino also said they hoped to lay the foundations for a continued exchange program so UW residents, fellows and staff can continue to support the ultrasound program, share global outreach in radiology with trainees and serve those in need.

“IT was an exhausting, wonderful, and productive trip,” Battino said.

To see photos of UW Radiologists in Nicaragua, visit: radiology.wisc.edu/NewsArchive.php
Scott Nagle, M.D., Ph.D., Assistant Professor in the Department of Radiology, was selected as an ICTR KL2 scholar for his project on cystic fibrosis lung MRI.

This award will enable Dr. Nagle to evaluate the performance of emerging methods of lung MRI imaging for cystic fibrosis.

Cystic fibrosis is a genetic disease that leads to death due to progressive lung disease at a median age of 38. Early detection is very important in delaying the progression of the disease. Although CT (computed tomography) has been used to detect subtle differences in cystic fibrosis lung damage, it can only show the lung’s structure, not how it is functioning.

Dr. Nagle and his colleagues hope to show that MRI can better detect subtle differences in disease severity and response to treatment than CT—and do so without using x-ray radiation. To do this, Dr. Nagle and colleagues will perform lung MRIs using a variety of methods, including an ultrashort echo time (UTE) developed at University of Wisconsin.

“Research… not only offers an opportunity to use both my clinical and basic science training to push the limits of what MRI can do, but also has the potential to improve the lives of young patients,” Nagle said.

“The Department of Radiology has been tremendously supportive of my research in this area,” Dr. Nagle also added. “There is a real need for more rigorous evaluation of MRI methods in clinical-translational research and this is a perfect setting in which to do [this].”
Awards & Recognition

Dr. Roberta Strigel
The Department of Radiology would like to congratulate Dr. Roberta Strigel on her recent Radiological Society of North America (RSNA) Research Seed Grant for her proposal entitled “Hyperpolarized 13-Carbon Magnetic Resonance Spectroscopic Imaging and Dynamic Contrast Enhanced MRI of Breast Cancer in a Mouse Model: Imaging the Metabolic Characteristics of Malignancy.” Dr. Strigel’s mentor is UW Radiology’s Dr. Beth Burnside, and her research collaborators are Dr. Sean Fain, Department of Medical Physics, and Dr. Amy Moser, Department of Human Oncology. Research Seed Grants are designated by the RSNA, “To enable investigators... to gain experience in defining objectives and testing hypotheses in preparation for major grant applications to corporations, foundations and governmental agencies.” Dr. Strigel’s research involves the application of a new method to image tumors, Hyperpolarized 13-Carbon MR Spectroscopic Imaging (MRSI), to look more closely at the metabolic processes of breast cancer. This work is important to improving understanding of cancer development and progression. Dr. Strigel and her collaborators hope to develop a metabolic profile of breast cancer that predicts cancer prognosis, response to treatment, and identifies targets for future research to improve the care of breast cancer patients.

Dr. Vivek Prabhakaran
The Department of Radiology would like to congratulate Dr. Vivek Prabhakaran (pictured right) and his team on their recent Institute for Clinical and Translational Research (ICTR) T1 Pilot Grant for $50,000 for their proposal entitled, “A Closed-Loop Neural Activity-Triggered Stroke Rehabilitation Device.”

Faculty involved in the project are Justin Williams, Ph.D. (pictured left) and Mitch Tyler, M.S., from Biomedical Engineering, Dorothy Edwards, Ph.D. from Kinesiology, Justin Sattin, M.D. from Neurology, and Kristin Caldera, D.O. from Rehabilitation Medicine. Other project members include Veena Nair, graduate students Leo Walton, Brittany Young, Jie Song, and study coordinator Jenny Schwartz. ICTR offers annual funding to clinical and translational researchers at UW and throughout Wisconsin that supports “patient-oriented research that embraces innovations in technology and biomedical devices.”

Prabhakaran and colleagues aim to do just that in researching a new device that could help stroke patients regain upper extremity function (arm, hand, and finger movement and manipulations) through the use of advanced technologies.

With funding from ICTR, Prabhakaran and colleagues hope to help stroke patients return to their normal lives more easily.

Dr. Kenneth Lee
The Radiological Society of North America (RSNA) Research and Education (R&E) Foundation has awarded a two-year Research Scholar Grant to Kenneth S. Lee, M.D., Assistant Professor of Musculoskeletal Radiology.

The title of Dr. Lee’s research project is “Quantitative Imaging of the Tendon: Use of Ultrasound Shear Wave Elastography as a Biomarker to Predict Tendon Rupture.” This ambitious project will provide an opportunity for professional and scientific growth for Dr. Lee and, ultimately, lead to improvements in patient care, the mission of the RSNA R&E Foundation.

Dr. Lee has put together a strong team at the University of Wisconsin, including post-doctoral students Darryl G. Thelen, Ph.D., Ryan J. DeWall, Ph.D. and Ray Vanderby, Ph.D. In addition, Dr. Lee will work with Mathias Fink, Ph.D., world-renowned Professor of Physics at the École Supérieure de Physique et de Chimie Industrielles de la Ville de Paris (ESPCI).

James P. Borgstede, M.D., Chair of the R&E Foundation Board of Trustees, expressed his appreciation of investigators like Dr. Lee and the donors that make these grants possible. “This year, the RSNA R&E Foundation has awarded over $3 million in grants, a record setting funding level. On behalf of the R&E Foundation Board of Trustees, I would like to thank our donors for funding these inspiring individuals and their research. Their promising projects have clinical and translational implications that will most certainly move our specialty forward.”

To read about more awards, visit: radiology.wisc.edu/newsArchive.php
The Department of Radiology would like to congratulate Education Coordinator Melissa Lantta on recently receiving her Ph.D.

The new Dr. Lantta defended her dissertation on August 26, which was entitled "An Examination of Higher Educational Stakeholders' Perceptions on the Effectiveness of Programs that Impact Student Persistence from Freshman to Sophomore Year.” She obtained her Doctorate in Leadership for the Advancement of Learning and Service in Higher Education through Cardinal Stritch University in Milwaukee, WI. Congratulations again on this educational achievement!

**Tech Highlight: PET/CT 710**

UW Radiology is excited to welcome high-quality imaging equipment from GE Healthcare, the PET/CT 710. The 710’s more complex and consistent quantitative tools allow our clinicians to focus on personalized patient care through precise imaging, especially in monitoring response of tumors to therapy.

The PET detector material is highly sensitive and is designed to collect an increased amount of information at high speeds and increased resolution which results in detailed pictures at a lower dose of radiation. Additional software applications allow for improvement in imaging specialty tracers that can be utilized in patient management.

The new Q.Freeze system combines the quantitative data of 4D phase-matched PET/CT imaging into a single static image. Combining multiple scans means no data is lost or wasted. Although unconscious patient movement during a scan may result in an unclear singular image, viewing a composite image reflects an accurate portrayal of the scanned area regardless of patient movement. To further negate motion, the Q.Static feature helps isolate organs when they are in a low motion state, and using this as a baseline, helps correct for normal organ motion throughout the entire scan. The result is reduced blurring from organ motion and therefore a more consistent image.

The department is proud to be the recipient of this GE technology, and looks forward to its use for the patients that need it most.

**Resident Research Day Celebrates Student Talent**

The Department of Radiology hosted its 13th annual Resident Research Day on May 15 to recognize UW’s hard-working residents and learn more about their meaningful research completed during the academic year.

Radiology Resident Research Day is “an exciting event at the conclusion of each academic year where the department celebrates… our residents’ projects,” according to Dr. David Kim. Residents have most likely presented the research before at conferences or lectures, but this gathering is an important way for residents to give faculty and their mentors an update on what they have been working on throughout the year.

Not only do faculty members get to see residents’ work, but it lets younger residents see what type of research is being done. It also has the possibility to increase interest in cross-departmental research.

**Where Are They Now? Dr. Reed Omary**

The Department of Radiology would like to congratulate Reed Omary, M.D., M.S., former UW faculty member and Professor of Radiology and Biomedical Engineering and Vice Chair of Research for the Department of Radiology at the Northwestern University Feinberg School of Medicine, who has been named chair of Vanderbilt's Department of Radiology and Radiological Sciences.

Omary, a 1991 graduate of the Northwestern University Feinberg School of Medicine, completed his internship in internal medicine at the University of New Mexico before moving to University of Virginia, where he completed a residency in diagnostic radiology while obtaining his master's in epidemiology. He then returned to Northwestern as a fellow in cardiovascular and interventional radiology.

Dr. Omary was an Assistant Professor at Wisconsin from July 1998 to September 2000 and then continued as volunteer faculty from until June 2003. During his time as a junior faculty member at the University of Wisconsin Department of Radiology, Dr. Omary wrote a K-series, career development grant aimed at developing and evaluating advanced vascular imaging techniques in the body under the direction of Drs. Grist and Mistretta.

Omary’s career has involved appointments with the Northwestern University Feinberg School of Medicine, including Director of the Interventional Radiology Research Laboratory and director of Research for the Department of Radiology. He also has held leadership roles with the American College of Radiology and the Radiological Society of North America, among others.

UW Radiology is proud to have been a part of Dr. Omary’s academic trajectory, and looks forward to his continuing work in the future.
Welcome!
Lisa Aumann joins the department as a Senior Project Specialist.
Peter Bannas joins the department as a Bracco Fellow.
Timothy Becker-Solic joins the department as a University Services Program Associate.
Dr. Michael Brunner joins the department as an Associate Professor in Interventional Radiology.
David Dadds joins the department as the Assistant Director, Business Services for Finance and Coding.
Dr. Amy Fowler joins the department as an Assistant Professor in Breast Imaging.
Dawn Helt joins the department as an Imaging Assistant with the Ambulatory Team.
Dr. Venkata Meduri, former fellow, continues with the department as a Clinical Assistant Professor in the Community Section.
Robert Rettammel joins the department as a Project Manager with Dr. Elizabeth Burnside.
Marcella Robinson joins the department as a Nurse Clinician.
Albion Rushaj joins the department as a Student Intern through the AVID/TOPS College Readiness Program.
Carol Schmal joins the department as a Radiology Certified Procedural Coder.
Lora Turner joins the department as an IR Clinic Scheduler.
Ue Vue joins the department as an Imaging Assistant with MRI.

Welcome New Residents:
Hailey Allen, Brian Chan, Mircea Cristescu, Eric Hartman, B. Dusin Pooier, Rick Rezko, Andrew Scarano, Amanda Smolock, Zack Clark

Welcome New Fellows:

Goodbye!
Debora Dale, PA Supervisor, transferred to the office of Chancellor Rebecca Blank.
Jacob Johnson, IT Student Hourly, left to devote time to his UW marching band commitments.
Vu Lame, Research Associate’s, appointment is ending.
Michelle Magagna, Student Hourly’s, appointment is ending.
Asami Sakai, Student Hourly, left to focus on her coursework as a nursing student.
Matthew Smith, Research Associate’s, appointment is ending.

Congratulations!
Christopher Brace has been promoted to Associate Professor (tenure).
Chris Francois has become Section Chief for Cardiovascular Imaging.
Jeffrey Kanne started as Section Chief for Thoracic Imaging.
Melissa Lantta, Education Coordinator, received her Ph.D.
Kenneth Lee has been promoted to Associate Professor (CHS).
Scott Reeder has become Associate Director of the Medical Scientist (MD/PhD) Training Program for the UW SMPH.
Elizabeth Sadowski has received an adjunct Associate Professorship with Obstetrics and Gynecology.
Mark Schiebler will focus on research as he steps down from a successful 5 years as Section Chief for Thoracic Imaging.
Cindy Soczka passed her certification to receive Certified Procedural Coder I credentials.

You’re Invited
Grand Rounds
Donald Flemming, M.D.
Radiology Program Director
Penn State Milton S. Hershey Medical Center
Dr. Arthur A. DeSmet
Visiting Professor
Errors in Orthopedic Oncologic Radiology
noon, Thursday, October 17
John Juhl Conference Room

Register Today for the 38th Annual UW Big Sky Radiology Conference
radiology.wisc.edu/bigsky
Help us Go Green!
Send your email address to:
radnews@uwhealth.org and receive an electronic copy of the next Inside View!

Where are you now?

Name
E-mail
Year(s)
Connection to UW

New Address?

May we publish this in the next Inside View?

Yes ☐ No ☐