

# EMORY RadReport

It's what's on the inside that counts!

October, 2009

## The State of the Department

"May you live in interesting times." ~ unknown, often attributed to Chinese proverb

Fiscal Year (FY) 2009 has been a most interesting time, one paradoxically characterized by enormous challenges, some setbacks and tremendous achievements. In the summation of last year's State of the Department Address, I pointed out that financial challenges were brewing for the year ahead, yet had no idea that we were about to enter the largest US /global financial crisis in 80 years. Since then, we have also weathered gas shortages, tornados, floods, historical unemployment, national strife over conflict-of-interest concerns and a flu pandemic. There is a new president, new NIH director, and new director of the Centers for Disease Control and Prevention (CDC), and health care reform is the primary discussion point in our nation's capital and beyond. Despite the backdrop of these formidable external variables and their influence on academic health centers in general and our world in particular, progress on our department's strategic goals continues. We have met milestones of individual and collective excellence in all three of our missions (clinical, research and teaching), and have moved farther along on our path to becoming a true destination department.

### People

As I have noted on many occasions, the caliber and character of our people – faculty, staff and trainees – make our department truly great. We have added 17 faculty to

our ranks this year, including a new division director (Dr. Mary Saltz) and a vice chair, Dr. Kimberly Applegate (Vice Chair of Quality and Safety). We have also appointed Dr. John Votaw as Vice Chair for Research, and two new chiefs-of-service [Dr. Michael Terk for Emory University Orthopaedic and Spine Hospital (EUOSH), and Dr. Jaime Montilla as Assistant Chief of Service for Emory University Hospital Midtown (EUHM)]. We also have recruited or promoted several senior staff members into key leadership positions. These include Cynthia Wood, our Human Resources Manager, Vicki White, filling a newly-created Nurse Specialty Director position in Radiology and Orman Simpson, Administrator for the Emory Center for Systems Imaging (CSI).

We continue to gain leadership momentum in numerous national and international professional societies. Taken together, Department of Radiology members belong to over 100 key committees and oversight boards for academic organizations.

### Technology

A top Department of Radiology is highly dependent on acquiring and applying new and developing technology in novel ways to enhance patient care.



On September 30, 2009, Dr. Meltzer delivered her annual State of the Department Address.

Over the past year, our EUH facilities have undergone substantial renovation to serve patients

better. Since the master building plan for new clinic and hospital space on the Druid Hills and Midtown campuses has been postponed due to the recession, this and related projects at EUHM are especially important to optimize patient flow and work spaces.

### Clinical Service

In September 2008, EUOSH opened its doors, with a focus on patient and family-centered care. Indeed, this facility has among the highest patient satisfaction measures in Emory Healthcare.

Nearly 18 months ago we took our initial step toward subspecialty integration of our radiology services at EUHM. Drs. Small (Chief of Service) and Montilla (Assistant Chief of Service), and Michael Armstrong (Assistant Director of Imaging Services at EUHM) continue to work closely with subspecialty physician faculty site directors for seven divisions to deliver on-site services.

Our Division of Community Radiology continues to deliver care at EUHM and offers expanded services at Emory Johns Creek

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Hospital (EJCH), including interventional and image-guided diagnostic and therapeutic procedures, cross-sectional imaging and comprehensive breast imaging.

This year has been a good one for Grady Memorial Hospital, which was near the brink of financial ruin one year earlier, and has received substantial philanthropic resources to mend its sagging infrastructure. Chief of Service, Dr. Jack Fountain, has helped to responsibly allocate approximately \$20M toward new radiology equipment and IT. Looking forward, a multi-disciplinary stroke center is planned, which is likely to have a major component at Grady.

### Quality

Quality is a clear and constant principle for Emory Healthcare, and 2012 goals include attaining top 10 status among US academic medical centers ranked for quality and 90th percentile for customer service. This is a stretch goal and there is much

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# State of Department Cont'd

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work to do. It is daunting to note that Radiology touches more than 2/3 of patients in the health system and thus we have the ability to impact these broad EHC goals substantially.

We are committed to Radiology serving as a leader in quality. Indeed, the Department of Radiology is the only of Emory's departments to recruit a vice-chair level Chief Quality Officer (Dr. Applegate). Over the past year, we have made gains in patient satisfaction, report turn-around time, peer review processes and MR safety. To achieve excellence in this arena, we must develop a culture of quality and build further on supportive infrastructure.

## Teaching

Our teaching programs continue to grow and prosper. The Nuclear Medicine Residency and our many Fellowships are thriving, as is our Medical Imaging Program. The Diagnostic Radiology Residency has become increasingly competitive over the past several years, with 771 applicants applying for 14 slots (a 12% rise over the prior year). A particularly exciting development has been the creation of a research track, in which select residents spend up to 12 months of their four-

year residency dedicated to a mentored research project. In its first year, we have matched both spots offered.

Another exciting development has been the growing success of our Adopt-A-Resident Program. Three of our talented residents, Drs. Jay Patel, John Cheney and Ali Tahvildari, have been "adopted" by anonymous donors each of whom pledged \$2500/year for the duration their training to support a special project. Projects to date have spanned topics of health policy leadership, humanitarian radiology and radiology education.

## Research

For the fourth year in a row, our grant-funded revenue has grown by more than 20% as a result of the efforts of our very talented faculty. A National Cancer Institute P50 Grant, among other new funding sources, has enriched our portfolio over the past year.

One of the largest research initiatives embarked on by the department came to fruition over the course of this year as renovation for CSI at Wesley Woods was

completed. The mission of CSI is to develop, integrate and translate emerging technologies and facilitate the use of novel imaging methods by basic and clinical scientists. This Center houses an imaging biomarker development component (including a state-of-the-art radiochemistry lab), human and animal PET imaging devices, a unique combined 3T MR/PET prototype, in vivo optical resources and image computing core services. Recent award of a supplement to the Atlanta Clinical and Translational Science Institute (ACTSI) will further support the close interaction between CSI and the non-human primate imaging resources at Yerkes.

## Finances

With the falling financial markets and unemployment locally rising to over 10%, changes in payer mix and other variables contributed to a nearly \$48M shortfall in budgetary projections for FY09 across Emory Healthcare. Our departmental Section 8 (professional clinical revenue) and Section 58 (technical revenue) were also suffering. As you know, cuts

to expenses (including hiring) have been substantial and, as a result, it has been a very tight year financially. Due to the hard work of all, the larger Emory Healthcare budget and both radiology section budgets have been met. Not an easy feat in these challenging times!

Although Wall Street is starting to show signs of life, our sector of the economy will likely be slow to respond. So we will continue with the same cost-saving measures through FY10 and continue to go forward lean and strong. Faculty and staff recruitment will be more limited than previous years and we will choose wisely.

A silver lining in the financial uncertainties is the American Recovery & Reinvestment Act (ARRA), which earmarked \$10.4B of the \$787.2B stimulus dollars toward NIH. Emory faculty have to date applied for more than \$250M in ARRA grants and our department has already begun to reap the benefits.

This has been a challenging, yet rewarding year for Emory Radiology. Thanks very much for all you do to contribute to our many accomplishments.

- Carolyn C. Meltzer, MD, FACR  
Chair of Radiology



# AWARDS & RECOGNITION

## Advanced Cardiac Life Support Certification

Emory University Hospital Midtown (EUHM) Interventional Radiology Technologists Holly Archer, Lisa McClure, Keith Ellis, Edwin Herrod, Melissa Horner and Sarah Yongue completed the Advanced Cardiac Life Support (ACLS) course and earned their ACLS Certification. Sheldon Sloane, Nurse Administrative Supervisor, organized the course which was sponsored by the American Heart Association and facilitated by Chattahoochee Technical College Professionals.

During the 8-hour course held at EUHM, the participants learned about emergency ventilation, ventricular fibrillation (primary & secondary), asystole & pauses, bradycardia & AV blocks, tachycardias (stable & unstable), pulseless electrical activity, special resuscitation situations, acute coronary syndromes and stroke, in addition to ethics, medical futility and advanced directives.



Left to right:  
Holly Archer,  
Lisa McClure,  
Keith Ellis



Left to right:  
Edwin Herrod and  
Melissa Horner

# AWARDS & RECOGNITION

## Kimberly Applegate, MD, MS

Vice Chair of Quality and Safety

### 25 Most Influential in Radiology

As a member of the Steering Committee for the Image Gently Campaign, Dr. Applegate has contributed to the awareness of reducing unnecessary radiation exposure to children. This campaign, led by the Alliance for Radiation Safety in Pediatric Imaging, ranked #8 as a mover and shaker in the radiology industry by *RT Image* magazine, the only national, weekly magazine for radiology professionals.

*RT Image* recognized the campaign for its efforts including interventional radiology. "Through easily accessible online teaching materials and checklists, the 'Step Lightly' Campaign helps interventional radiology providers use the

lowest dose necessary to perform interventional radiology procedures on children." The article goes on to point out, "The team approach that Image Gently emphasizes includes ensuring that the technologists, nurses, doctors, and anyone else who is involved in pediatric care are educated about radiation safety." Image Gently has included all the educational materials on their web site for complementary download.

This achievement is preceded by other successes of the Image Gently campaign, which include a joint effort with the

## STRIVING FOR EXCELLENCE

### Foster a Culture of Recognition

Dr. Meltzer outlined the department's achievements for fiscal year '09 in the opening article and in more detail at the State of the Department Address. As you can see, it was a banner year for us given the economic environment and the constraints it has placed on all of us. So my message here is one of recognition. I encourage all of us, starting with myself, to recognize and thank those around us who actually got the job done.

With this in mind, I thank: Chuck Powell and Monica Salama for their work on the Radiology Leadership Academy; Dale Walker for keeping our renovations on track and representing our department at the various organizational initiatives; Vivian Smith for her financial stewardship and attention to detail; Mariana Teodorescu for keep those grants coming; Jane Vitali and Linda Smith for their work on the conversion of section 58 to hospital operations; Chrystal Barnes and Richard Wright for their work on improving



ACR to successfully add CT dose in children to the list of 34 national goals for safety by the National Quality Forum (NQF). The only other radiology-related item on the list is contrast media safety (both iodinated contrast and gadolinium contrast risks).

We are very fortunate to have a leader of the Radiology Community serving as our Vice Chair of Quality & Safety. If you would like to get more involved in the efforts of quality & safety here at Emory, please contact Dr. Applegate at keapple@emory.edu.

Read the complete [25 Most Influential in Radiology](#) list in the Sept. 7 issue of *RT Image*. [www.rt-image.com](http://www.rt-image.com)

For more about the Image Gently Campaign visit: [www.imagegently.org](http://www.imagegently.org)



## Khalil Salman, MD

Sr. Research Specialist

### Educational Commission for Foreign Medical Graduate Certification

After studying diligently, Dr. Salman gained the certification of the Educational Commission for Foreign Medical Graduate (ECFMG), which took place after he had passed US Medical Licensing Examination (USMLE) Step 1 and Step 2.

Dr. Salman has been a Research Specialist with Dr. Diego Martin's MR Body Imaging research for five years. Before moving to the US, Dr. Salman was a plastic surgeon in Doha, Qatar. With his experience at Emory and recent certification, he is planning to pursue a career in Nuclear Medicine and Radiology.

chasing every dollar during fiscal year-end close; Jane Goldberg for her work in the opening of EUOSH; Amy Comeau and Greg Pennington for their work in marketing and referring physician engagement.

Again, it is important for every leader in Radiology to recognize and thank their direct reports and those with whom they had direct contact on projects that made last year a successful one for our department. It is also important that our staff thank their own colleagues for the minor and major things they do every day.

Let's not take each other for granted and let's foster a culture of recognition in Radiology.



- Habib Tannir  
Administrative Director,  
Emory Healthcare Imaging Services

# MESSAGE FROM THE VICE CHAIR FOR RESEARCH

## The MR/PET has Arrived!

The MR/PET has completed its final design stage and relocated from the Siemens factory to the Center for Systems Imaging (CSI) at the Wesley Woods campus. This unique arrangement is one of only two US trial sites. The unit has the capacity for complementary, simultaneous functional brain imaging. This device promises to allow the evaluation of living human neural processing not previously possible.

Emory took possession, at the beginning of September, of the PET head insert that is the final component of a combined MR/PET scanner. This scanner is one of only four in the world. It is a state-of-the-art prototype device that arose from collaboration among: Universitat Tubingen, The Institute of Neuroscience and Medicine in Juelich Germany, the Massachusetts General Hospital (MGH), Emory, and Siemens. The PET head is a self-contained PET scanner that fits inside the tunnel of a standard 3T clinical MRI scanner. Great effort had to be expended to develop



PET-Insert



The MR/PET is comprised of a 3T Trio MRI into which a head-only PET insert is fitted. This unique arrangement allows the MRI and the PET to operate concurrently.

electronics that can operate in the high magnetic field environment. The picture above shows the scanner now at the second floor of the Wesley Woods campus of the Center for Systems Imaging (CSI).

This scanner is capable of simultaneously collecting PET and MRI images. This is as opposed, for example, to a PET/CT scanner where the CT is collected and then the bed moves and the PET is collected. The first and obvious advantage is convenience for both the patient and investigators – not only in time savings, but in having registered images for easy fusion and interpretation. This might be particularly important for patients

who are cognitively impaired or who have Alzheimer's disease and cannot tolerate being in scanners for a long time.

The second advantage is that it is known that the neural state of the patient is the same during both acquisitions. It will be known that the functional information from the MR and the functional information from the PET are

separate realizations of the same underlying neural processing. It is hoped that this will lead to more sensitive studies of neurophysiology.

MR and PET scientists at CSI will be exploring the limits of this new device in the months to come. They have plans to use the total information collected to improve the images from each modality. It is quite possible that the images derived from the combined device will be superior to ones collected from stand-alone scanners. For more information, please contact Orman Simpson [(404) 712-1024] at the Center for Systems Imaging.



- John Votaw, PhD  
Vice Chair for Research

## CHECK IT OUT

Goldstein FC, **Mao H, Wang L**, Ni C, Lah JJ, Levey AI. [White matter integrity and episodic memory performance in mild cognitive impairment: a diffusion tensor imaging study.](#) *Brain Imaging and Behavior*. 3: 132-141, 2009.

Johnson AJ, Chen MY, Swan JS, **Applegate KE**, Littenberg B. [Cohort Study of Structured Reporting Compared with Conventional Dictation.](#) *Radiology*. 2009 Aug 25. [Epub ahead of print]

**Lubarsky M.** [Board Examination Without Representation: Residents and the ABR.](#) *Journal of the American College of Radiology*. 2009 Aug; 6(8): 594-596.

Pineda N, **Sharma P**, Xu Q, Hu X, Vos M, **Martin DR.** [Measurement of hepatic lipid: high-speed T2-corrected multiecho acquisition at 1H MR spectroscopy--a rapid and accurate technique.](#) *Radiology*. 2009 Aug;252(2):568-76.



**Yang L**, Peng XH, Wang YA, **Wang X**, Cao Z, **Ni C**, Karna P, Wood WC, Gao X, Nie S, **Mao H\***. [Receptor-targeted nanoparticles for in vivo imaging of breast cancer.](#) *Clin Cancer Res*; 15:4722-32. 2009.

The research done in Dr. Hui Mao's lab collaborating with Dr. Lily Yang's lab in the Department of Surgery has led to the development of a new biomarker targeted molecular imaging diagnosis of breast cancer. Featured on the cover of *Clinical Cancer Research* in July, the article details the properties of the "smart magnetic nanoparticle probes" that trace and bind to breast cancer cells and make cancer tissues visible by MRI. The study is a part of NIH Funded Emory Molecular and Translational Imaging Center (P50).

## IN THE KNOW

### What's New in the World of Imaging Application Services?

With the advent of RadNet, the world of Radiology Applications transitioned from a ancillary, interfaced department system to a part of the Emory-wide Millennium systems. There were a number of benefits provided by this move (while admittedly the growing pains have been sharp at times) and there is much in the new world to offer. We are dedicated to working with our users to make enhancements to the application and to address issues. There are efforts underway on several fronts to establish additional avenues to request changes and improvements.

We are currently on the Cerner Millennium code level 2007.16 and are planning on upgrading to version 2007.19 on December 5, 2009. In November, we will begin our integrated testing sessions and will be requesting volunteers to assist with the testing. By engaging department volunteers in the testing, we achieve a win-win situation. Users get a peek at the new software and we gain expertise in testing the workflow that is in place on the front lines.

One system that really is suffering growing pains is PACS. The existing Siemens PACS is due to be replaced by GE PACS next spring; until then the current PACS needs to work. Several workflow, modality and protocol changes converged this year to create a current PACS situation that is very brittle. We are at maximum query capacity and have worked with Radiology leadership closely to implement several risk mitigation steps. Unfortunately, these steps do require some changes to workflow, which are never easy but is the only way to keep current PACS functioning as best it can given the situation. Some of these steps include prioritizing and sequencing pre-fetch and research queries, removing and limiting foreign nodes, and in some cases, limiting query privileges. We are constantly monitoring queries to identify any aberrant query, so that we can intervene prior to "PACS freezing". If the query is bad enough, we are not always able to prevent the issue and that is when the reading room coordinators and leadership are notified via paging that "The PACS Query is unavailable for 15 minutes." One bad query can "freeze" the application for the whole healthcare system. If you need instructions on the most efficient and safe query methods, please contact me (PIC#14990) for follow-up.

We are working to standardize and streamline the methods in which each of you engage your information services support teams to provide efficient and effective service. As always, change takes time and patience, but the aim is to meet expectations and minimize service disruptions.

- Karen Boles, Manager, Clinical Applications

### Quality Corner Motivating Quality

Kristen Lewis, Radiology Tech II, in Breast Imaging has taken on the responsibility of motivating the Breast Imaging Center (BIC) staff at the Winship Cancer Institute (WCI) through the feedback they receive from comment cards. Each morning at the staff huddle, Kristen reads a positive comment that was submitted by a patient. One such comment read, "Emory is a place of healing. I am a mother of four children and a wife, diagnosed (with breast cancer) two years ago. I started healing the day I met Emory. Today's experience was excellent like the many before. The support I received from Robin (Tarpley) in Breast Imaging was comforting. All the nurses and technicians are always so kind. I am in great hands!" Sharing these comments provides motivation to the staff and raises awareness of how their efforts make the patients more comfortable.

Monday huddles are a time to acknowledge success from the week prior. For each positive comment in which a specific person was named they are given candy. Kristen keeps a tally of how many

comments each person receives, then at the end of the month the person with the most positive comments is awarded movie tickets.

In addition to reinforcing motivation in huddles, Kristen sends out a weekly e-mail highlighting both the negative and positive comments, and suggestions of the patients. The e-mails function as a forum for everyone to pitch-in solutions to the suggestions made by the patients. After several patients commented that they were cold while waiting for their exam, the group created a sign directing patients to available blankets.

Kristen has developed a great model of how to resources to improve the quality of service through motivation. Consider how you can motivate the people in your area to improve customer satisfaction and experience.

- Monica Salama, Communications Manager



### Quality Scoreboard

The Press Ganey reports published on the Emory Intranet homepage ([www.ourhcc.org](http://www.ourhcc.org)) with focus on the overall rating of care are used to determine the winners. The areas being recognized for the most improved scores at their location:

#### August Winners:

Vascular Lab - Emory University Hospital Midtown

MRI - Emory University Hospital

Ultrasound - The Emory Clinic

# GETTING TO KNOW YOU

## Sonographers

Over the past decade, diagnostic medical sonographers have been classified as a distinctive and specialized occupation, with skills unique from that of a radiologic technologist. The diagnostic medical sonographers in the Department of Radiology perform both invasive and non-invasive procedures for our patients using high frequency sound waves to generate visible images of human blood flow, organs and tissues.

Our sonographers are highly involved with the patient's radiology experience. They begin by greeting our inpatients as the transportation attendants bring them to radiology, and our outpatients in the Pre-Procedure Care Area (PPCA) or even in the waiting rooms. The sonographer will review the patient's medical history to verify the ordered exam is the most effective form of medical diagnosis. If needed, the sonographer will consult with the radiologist, or referring physician, to discuss alternative suggestions. Upon a consensus of the proper exam, the sonographer will work with the patient to procure the needed images.

Ultrasound procedures can be either invasive or non-invasive

depending on the order from the referring physician. Invasive procedures, such as biopsies or drainages, require the sonographer to work alongside the radiologist to complete the requested examination. However, the sonographer can complete non-invasive procedures independently on the advanced equipment. The key instrument the sonographer uses is a transducer; often requiring direct contact with the patient, which sets this position apart from that of a radiologic technologist.

Once the procedure is completed, the sonographer prepares his/her findings to submit or review with the radiologist. To ensure a thorough and high quality examination of the medical question, an open flow of communication exists between the sonographer and radiologist in order to best utilize the equipment's diagnostic ranges and capabilities. In addition, a defined protocol is developed, making clear what part of the body needs to be examined in detail.



*The sonographers rely on good communication and teamwork to create a positive patient experience.*

To become a diagnostic medical sonographer, entry requirements for acceptance into a certificate

ultrasound program are usually an Associate's Degree in RT or RN, or a Bachelor's Degree in or related to the field of science or medicine. Although sonographers are not required to obtain their certification in Radiologic Technologists (RT), many sonographers in the department are certified RTs. In fact, at the Emory University Hospital Midtown (EUHM) location, General Ultrasound is the largest ultrasound department of Emory Healthcare and has the most highly specialized sonographers with 60% holding four or five specialty registries. At this location, the staff and leadership have worked to expand their hours to better accommodate patients by offering a technologist working on the weekends. At EUHM, they also have a separate vascular lab directed by vascular surgeons but contained entirely within Radiology Department. At Emory University Hospital, Ultrasound is distinguished by its combined

October is **Medical Ultrasound Awareness Month**, when we take time to appreciate our sonographers, after all "sonography is the sound of healthcare," according to the Society of Diagnostic Medical Sonography.

"With ultrasound's increasing role in medicine, there is a need for the general public to understand what ultrasound is and its many uses in health care." <http://www.sdms.org/resources/muam/default.asp>

Vascular Ultrasound and General Ultrasound specialty areas including access to a Transplant Center:

High levels of skill and experience are required for sonographers to perform optimal exams and obtain the most vivid images possible. Nicole Barrett, Ultrasound Supervisor for Emory University Hospital (EUH) at Winship Cancer Institute, Marilyn Dickerson, Vascular Ultrasound Supervisor for EUH, Nealy Moyer, Ultrasound Supervisor at EUHM and Myra Wright, Manager for the Vascular Imaging Lab at Midtown have over 50 years of combined experience dedicated to the field of Ultrasound. These supervisors expressed their gratitude for the opportunity to demonstrate their skills as a Diagnostic Medical Sonographers within the Emory Healthcare system.

-Alaina Shapiro, Communications Coordinator

## GET INVOLVED

### Medical Imaging Students Volunteer in their Community

Members and friends of the Georgia Sigma Theta chapter of the Lambda Nu Honor society from Emory's Medical Imaging Program just completed one of their community service projects for the year. The society volunteered at "Project Open Hand", an organization whose mission is to "help people prevent or better manage chronic disease through Comprehensive Nutrition Care™, which combines home-delivered meals and nutrition



*Medical Imaging Program students and faculty volunteered at Project Open Hand. (Left to Right: Lamiis Khalifi, Dr. William Undie, Jonathan Undie, Shaletia Glover, Jesse Farthing, Sahar Mansouri, Dawn Moore, Samiha Kedir, Love Lah, and Aurora Compton.)*

education as a means to reinforce the connection between informed food choices and improved quality of life." The Lambda Nu members spent a Saturday morning preparing meals that would be provided to those with chronic illnesses.

The Georgia Sigma Theta Chapter of Lambda Nu is an active chapter that has participated in a variety of activities. Previous activities have included

providing food to homeless families, participating in both the Kidney Foundation and Breast Cancer walks, walking dogs and even helping to build a playground for a community in Atlanta. Two of the members have received scholarships from the national society. The chapter plans to remain active in the community and is always looking for new opportunities to serve.



*The group worked together to prepare meals on the food-line.*

- Barbara J. Peck MBA, RT(R)(QM)  
Asst. Program Director, Medical Imaging Program

## GET INVOLVED

### Cooper Lecture

Each year we honor the memory of former Emory Resident Dale Cooper, MD with a Grand Rounds dedicated as the Cooper Lecture. Dr. Cooper began his Emory Radiology Residency in 1962 based at Grady Hospital under the supervision of Dr. Heinz Weens. Dr. Cooper followed his residency with a special NIH Fellowship lead by Dr. Ralph Heinz at Emory. During this time he engaged in clinical research that has led to the way Neuroradiology is practiced today. Their research team overcame apprehension of other departments and demonstrated what neuroradiology could do both in the way of technique and interpretation.

This lecture is a tribute to a young man who displayed dedication to perpetuate excellence, challenge innovation and by exploring the possibilities contributed to the area of medicine known today as Neuroradiology.

This year the Cooper Lecture will be given by Dr. Walter Kucharczyk, Senior Scientist at the Toronto General Research Institute. On Wednesday, Oct. 21 at 7:30 am in the EUH Auditorium, Dr. Kucharczyk will speak about "Heat Ablative Therapy Using MR-Guided-Focussed Ultrasound."



Dr. Kucharczyk has various research interests including incorporating the design and development of a magnetic resonance imaging system for image guidance of minimally invasive methods of diagnosis and treatment, the development of magnetic resonance thermography for real-time image monitoring of thermal coagulation of human cancers, the correlation of MR monitored thermal lesions with histology and patient outcome, and assessment of tissue perfusion after thermal therapy using MRI and US contrast agents.

For more information about the Cooper Lecture, visit the Special Lectures page at [www.radiology.emory.edu](http://www.radiology.emory.edu)

### October is Breast Health Awareness Month



In honor of National Breast Cancer Awareness Month, EMORY HEALTHCARE is sponsoring the following events:

#### Thursday, October 15: Community Town Hall Forum – Breast Health Issues Facing African American Women

Join African American community leaders at Emory University Hospital Midtown Thursday, October 15, at 6 p.m. for an exceptional opportunity to become informed about the risks of breast cancer and strategies for early detection, treatments and a life beyond a diagnosis. Event is free – registration required.



#### Friday, October 16, and Saturday, October 17: National Mammography Screening Day

In honor of National Mammography Screening Day (October 16), EMORY HEALTHCARE is offering extended and weekend hours for women needing a mammogram.

- Friday, October 16, from 7 a.m. to 7 p.m. – appointment required
- Saturday, October 17, from 8 a.m. to 2 p.m. – appointment required

To register or for more information, call 404-778-7777 or visit [www.emoryhealthcare.org/breasthealth](http://www.emoryhealthcare.org/breasthealth).

## Radiology Calendar

### Week of October 12, 2009

Wed., Oct. 14 –  
Grand Rounds -  
Pamela Schaefer, MD  
Advanced Imaging of Acute  
Ischemic Stroke

Thurs., Oct. 15 –  
Research In Progress Series (RIPS) -  
Aaron Smith, PhD  
Tools for Imaging Oxytocin Receptor Density

### Week of October 19, 2009

Wed., Oct. 21 –  
Grand Rounds - **Cooper Lecture**  
Walter Kucharczyk, MD  
Heat Ablative Therapy Using MR-Guided-  
Focussed Ultrasound

Thurs., Oct. 22 –  
No RIPS

### Week of October 26, 2009

Wed., Oct. 28 –  
Grand Rounds -  
Patricia Hudgins, MD  
The Sabbatical: A New Spin on a Lost Tradition

Thurs., Oct. 29 –  
RIPS -  
Hui Mao, PhD & Hongwei Chen, PhD  
Functionalized Magnetic Nanoparticles for  
Multi-modal Imaging and Theranostics

### Week of November 2, 2009

Wed., Nov. 4 –  
Grand Rounds -  
Mark Mullins, MD, PhD  
Radiology Education Update 2009

Thurs., Nov. 5 –  
RIPS -  
John N. Aarsvold, PhD  
Intraoperative  
Nuclear Medicine

For times & locations visit the website:  
[www.radiology.emory.edu](http://www.radiology.emory.edu)

## NEW FACES & APPOINTMENTS



### Ashley Aiken, MD

Asst. Professor of Radiology  
Neuroradiology - EUH

Dr. Aiken has taken on the role of Assistant Program Director for the Diagnostic Radiology Residency Program, Emory Department of Radiology. She is highly dedicated to teaching and has worked closely with residents while on faculty at the University of California, San Francisco before joining Emory in July as a member of the department's Division of Neuroradiology.

In her capacity as Assistant Program Director, she will work with Dr. Mark Mullins, Vice Chair for Education, as well as Associate Program Director, Dr. Deborah Baumgarten and Emeritus Program Director, Dr. Bruce Baumgartner, to provide oversight and coordination of our stellar Radiology Residency.

Dr. Aiken completed her residency and Neuroradiology Fellowship at the University of California. She received her MD from the Medical College of Georgia.



### Michael Cohen, MD

Professor of Radiology and Co-director of the  
Breast Imaging Center (BIC) - WCI

Prior to joining the Radiology Department at Emory University Hospital in 2009, Dr. Cohen was Professor of Clinical Radiology at the University of Virginia Medical Center specializing in Mammography. Throughout his career, he has been an invited lecturer at various conferences and is well-published with over 43 peer-reviewed papers, articles, book chapters and abstracts.

Dr. Cohen received his MD from the University of Texas Medical Branch and continued his education with an Internship and Residency at Children's Hospital Medical Center at Harvard Medical School in the Department of Pediatrics. He then completed a Radiology Residency from Beth Israel Hospital at Harvard Medical School. Dr. Cohen started his career at the University of Texas MD Anderson Cancer Center as an Assistant Professor of Radiology. He continued his career as Assistant Professor at Weill Medical College of Cornell University where he was promoted to Associate Professor and later Professor of Radiology.



### Ekta Gupta, MD

Breast Imaging Fellow - BIC

Throughout her career, Dr. Gupta has been involved in research at The State University of New York at Stony Brook, where she was involved in identifying the mechanisms that regulate the G-protein coupled receptor signaling. As a radiology resident she studied the role of "Improved Dynamic Infrared Imaging (DIRI) and its potential in detection of breast malignancy." Several of her research projects

have been highlighted in publications. Most recently she published a book chapter for PET Clinics on MR Imaging of the Prostate Gland. Continuing in the research field, she works with advisors at different locations to study various subjects. Dr. Gupta joined the Department of Radiology to further enhance her training, and to advance her diagnostic and technical skills for her future in academic radiology.

Dr. Gupta received her MD from The State University of New York at Stony Brook SOM. She continued her education with an Internship at North Shore University Hospital, completed a residency at SBUH, which was followed by an Abdominal Imaging Fellowship at the Hospital of the University of Pennsylvania.



### Sherif Nour, MD

Visiting Associate Professor of Radiology,  
Abdominal Imaging - EUH

Prior to joining the Emory Radiology Department in 2009, Dr. Nour was an Assistant Professor of Radiology and Biomedical Engineering, Director of Interventional MRI Therapy Program and Attending Radiologist for the Body Imaging Section at the University Hospitals of Cleveland. Since moving to the United States in 2000, Dr. Nour has worked his way from Research Fellow to Assistant Professor at the University Hospitals of Cleveland. He has over 85 publications in various medical resources, including manuscripts, abstracts and textbook chapters that make him well-published in the field of medicine. Dr. Nour has been a Scientific Meeting Moderator and Invited Lecturer for several organizations in addition to being a Scientific Journal Peer Reviewer for several medical journals.

Dr. Nour received his MD from Cairo University School of Medicine in Egypt before continuing his education with an Internship and Residency at Cairo University Hospitals. He received his Masters of Science from Cairo University.

## HR Tip

### Benefits Reminder

Just a reminder that all Emory University employees should have received an e-mail notification with instructions on how to handle your 2010 benefit enrollment this fall. Please be aware the process has gone completely electronic and you will need this information to make changes to your benefit package.

If you have any questions please contact Cynthia Wood, HR Manager at [cynthia.wood@emoryhealthcare.org](mailto:cynthia.wood@emoryhealthcare.org) or 404/778-3792.



### Efrem Sims

Technologist Assistant (TA)- EUH

Efrem, former transport attendant, has begun to apply his enthusiasm for interacting with patients as a TA in the division of Interventional Radiology at Emory University Hospital. He began his experience in healthcare at Erlanger Hospital in Tennessee. Efrem is excited to take on the challenges and is embracing the dynamic nature of his new position.

**Look** for a new issue of  
the Rad Report  
the first full week of November.