

Child Friendly Imaging Capability

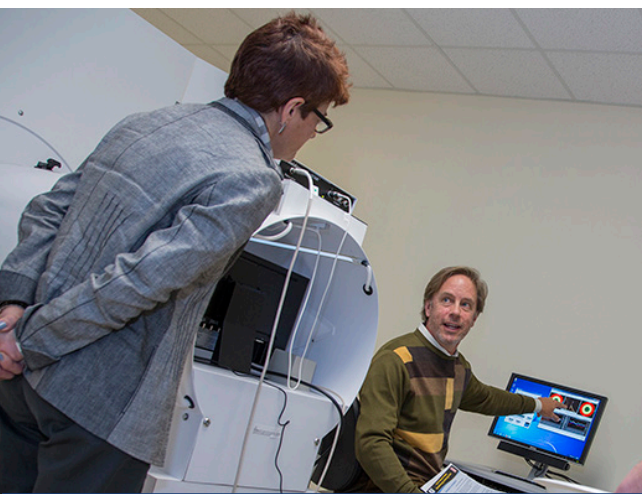
On November 7, 2013, the Center for Systems Imaging and Biomedical Imaging Technology Center (CSI/BITC) hosted an open house to celebrate the completion of the new MRI imaging suite for pediatric research at the CSI/BITC Wesley Woods Health Center facility.

During 2012, the Emory and Children's Healthcare of Atlanta (Children's) Pediatric Research Center's Imaging Task Force had evaluated the feasibility of using existing imaging research centers at Emory for meeting projected growth in pediatric research medical imaging needs; which were anticipated to soon surpass Children's current existing capacity. In responding to the Task Force's findings, plans for modification of CSI/BITC's MRI suite at the Wesley Woods Health Center facility were proposed. The MRI suite would become child friendly and provide additional technology needed to bring the advantages of MRI research to the fight against childhood disease. The proposal was accepted and jointly supported by the School of Medicine, Pediatric Neurology, Children's, Marcus Autism Center, Radiology

and Imaging Sciences and the Woodruff Health Sciences Center.

Typical adult hospitals, scanner suites and MRI scanners can be very frightening to children. So as part of the modifications to CSI/BITC, child friendly art was installed in the scanner suite entries and a friendly child/family waiting room was created within the MRI suite. One area of concern was convincing a child to remain still during the scan. To address these issues, a mock MRI scanner was installed, which allows investigators to bring children into the center and have them acclimate to scanning in a very non-threatening way. The mock MRI scanner also has a motion tracking feature with a video monitor. Children are able to watch movies on the mock scanner's video monitor; however, the movie stops if the child moves his or her head, and will only restart when the child remains still. It turns out this is a great way to train a child to remain still while in the scanner.

The first pediatric MRI studies coming into CSI/BITC will be from Ami Klin, Warren Jones and Sarah Shultz of the Marcus Autism Center. They are currently performing baseline measurements to calibrate motion and eye tracking capabilities installed on the MRI scanner and then human subject scanning will begin.



During the open house for CSI/BITC, Dr. Votaw, Vice Chair for Research, demonstrates the motion tracking features of the Mock Scanner to Dr. Meltzer, Department Chair of Radiology and Imaging Sciences.



CSI/BITC renovated the waiting room area with new furniture and artwork to accommodate families.

Service Excellence

Service Tips

The Service Excellence Committee is excited to roll out our "Service Tips" initiative. In every Rad Report, we will be emphasizing a new action you can take to improve our patients' experience.

Our first tip is...

"Introduce yourself"

First impressions are made quickly and, once made, are difficult to change. Introducing yourself by your name and role in their care can help make patients feel at ease.

Try introducing yourself to all of your patients, for example:

"Hi, I'm Jane, and I'll be doing your ultrasound today".



Letter from the Chair

Precision Medicine and the Future of Radiology

The theme of RSNA 2013, The Power of Partnerships, is one that resonates so well with Emory Radiology. Indeed, the many presentations by Department members showcased several team project areas, such as CT radiation dose optimization, workforce planning in radiology, molecular imaging of tumor markers, and comparative effectiveness of imaging in the management of patient groups. The power of partnerships is also evident in the recent transformation of the Emory Center for Systems Imaging into a child-friendly research facility. Another timely example is our Department's partnership with a group of new, dedicated patient and family advisors, who are helping us to enhance awareness of how we can improve our patients' experiences in Radiology.

On February 1, 2014, the Department of Radiology and Imaging Sciences will be responsible for the clinical imaging operation at Saint Joseph's Hospital. This is a tremendous opportunity and one that would not be possible without the partnership of experienced Saint Joseph's radiologists. We look forward to working with them as faculty team members in the new year.

A tenuous partnership is one that exists in the two houses of Congress in Washington. Yet a ray of hope in the standoff is seen in the new 2014 Omnibus budget. Final passage of the bill will avert another government shutdown. Also, it reverses some of the sequestration cuts to discretionary spending; NIH gains are modest. (A recent survey by the Association of American Universities, the Association of Public and Land-grant Universities, and The Science Coalition on the first seven months of sequestration demonstrated that 70% of universities experienced both delays in existing research projects and reductions in the number of new research grants.) Unfortunately, the bill retains the 2% sequestration cut to Medicare payments.

Best to all,

Carolyn C. Meltzer, MD, FACR
Chair of Radiology and Imaging Sciences



Awards & Recognition

RAD-AID Faculty Advisor



Oluwayemisi Ibraheem, MD
Assistant Professor
Radiology and Imaging Sciences

Dr. Oluwayemisi Ibraheem was chosen to serve as a Faculty Advisor in efforts to build the RAD-AID Chapters Network. In this position Ibraheem will educate and mentor radiology residents, students and

university faculty on the creation and implementation of international public service projects and global health. RAD-AID's executives have recognized her impressive record of achievement in international health and radiology philanthropy that has earned her this distinction.

2013 Editor Recognition



Mary Newell, MD
Associate Professor
Radiology and Imaging Sciences

Dr. Mimi Newell was recognized for the high quality of her prompt scholarly reviews and received Radiology's 2013 Editor's Recognition award, as well as a 2013 American Journal Of Roentgenology Distinguished Reviewer award. Both journals have long been recognized as the authoritative reference for the most current, clinically relevant, and highest quality research in the field of radiology.

2014 RRA New Investigator Award



David Schuster, MD
Associate Professor
Radiology and Imaging Sciences

The Radiology Research Alliance (RRA) has selected Dr. David Schuster as the recipient of the 2014 RRA New Investigator Award. This award is a prestigious recognition of promising young investigators by the

academic community. The primary mission of the Radiology Research Alliance is to encourage research in radiology and the radiological sciences by helping departments establish and improve their research programs.

Awards & Recognition

Recognizing Excellence: The First Annual Radiology Staff Awards

In the summer of 2013, we launched the new annual staff awards program for Radiology and Imaging Sciences. Members of the Department were invited to submit letters of nomination in any of the six award categories: Outstanding Care Provider, Outstanding Research Support, Outstanding Leadership, Outstanding Mentorship, Outstanding Team, and Face of Excellence. We were pleased to receive more than 40 nominations in this inaugural year. With so many very talented and outstanding members in our Department, the selection process was particularly challenging. Each nomination was scored by nine independent reviewers, both internal and external to the Department. The winners were announced at the Annual Holiday Party on December 13th, 2013. We want to congratulate all of the nominees, and hope that you will take time to congratulate them also. To read more about the 2013 nominees click [here](#).



Outstanding Leadership
Vivian Smith

"Vivian exemplifies an outstanding leader who not only understands our Department's strategic goals and priorities, but supports them in all that she does."



Outstanding Research Support
Mariana Teodorescu

"She is always engaged and looking for ways to improve our operations while at the same time being a positive presence in the workplace."



Outstanding Mentorship
Bobbie Hollis

"Bobbie's true strengths are not technical, but rather in the character and kindness she brings to all encounters."



Face of Excellence
Alaina Shapiro

"Alaina consistently, regardless of setting, demonstrates an infectious positive attitude. She goes out of her way to assist in any endeavor and has provided maximum benefit to patient care, research, and education areas."

Aurora Marinescu

"Aurora epitomizes our Department's service excellence standards and is a shining example for everyone that interacts with her."



Outstanding Team
STARS Team- Bobbie Burrow, Debra Carter, Katy Day, Christian Elliott, Cindy Gaskins, Steve St. Louis, Cynthia Sutz, Delicia Votaw, Trecia Wertz

"The STARS Team has demonstrated outstanding service to the Department and ultimately to the patient, by coordinating a more streamlined process for reviewing and responding to STARS events."

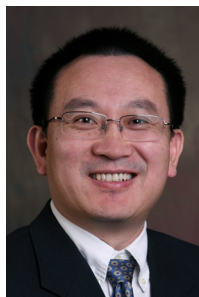


Outstanding Care Provider
Gail Walls

"She always puts her patients first and their comfort and understanding is her main priority."

Awards & Recognition

RSNA Scientific Program Committee



Xiangyang Tang, MD
Associate Professor
Radiology and Imaging Sciences

Dr. Xiangyang Tang has been appointed by RSNA's Board of Directors as a member of the Physics Subcommittee of RSNA's Scientific Program Committee for a three-year term (2013-2016).

The Physics Subcommittee is an assembly of scientists and researchers covering each modality of diagnostic imaging, and is responsible for scientific program/session organization, scientific paper abstract reviewing and selection, and CME program planning.

RSNA 2013 Education Exhibit Award



Rebecca Seidel, MD
Assistant Professor
Radiology and Imaging Sciences

Dr. Rebecca Seidel received the Certificate of Merit award for her education exhibit, "My My My My My Seroma: The Role of the Radiologist in the Evaluation and Management of Postoperative

Seromas of the Breast" at the 99th Scientific Assembly and Annual Meeting of the Radiological Society of North America (RSNA). Each education exhibit presentation is reviewed by the Education Exhibit Awards Committee. Seidel received her certificate out of 2124 education exhibits.

Computed Tomography (CT) Examination



Jocelyn DeLagrange RT(R)(CT)
Radiology and Imaging Sciences

Jocelyn DeLagrange graduated from Lanier Technical College in June 2011 with an Associate's Degree in Radiologic Technology. DeLagrange has been a member of the Emory Radiology Midtown staff since 2011, beginning her career as a Diagnostic Technologist and later transferring to the MOT CT section. We would like to congratulate DeLagrange on her completion of the CT Examination.

JTI 2013 Editors' Recognition Award



Travis Henry, MD
Assistant Professor
Radiology and Imaging Sciences

Dr. Travis Henry was selected to receive the Journal of Thoracic Imaging (JTI) 2013 Editors' Recognition Award for Distinction in Reviewing. This award is given in recognition of his consistent

submission of high quality, comprehensive, scholarly, and timely reviews over the past year.

Merrill's Award Recipients

The Merrill's Committee would like to acknowledge the October, November and December winners of the Merrill's Award.

October



Michael Daise
Diagnostic Supervisor
EUHM

November



Will Haralson
Diagnostic Technologist
EUH

December



Aurora Marinescu
Diagnostic Technologist
EUH

Below is a list of the 2014 Merrill committee members and their locations:

Imaging Program- Tiffany Whitley
EP/EUOSH- Debbie Slappey
EUH- Rachel Fuller
EUHM- Kyong-A Park
WCI- Sheila Reynolds
WW- Janiece Scott

Awards & Recognition

2013 Distinguished Investigator Award



Baowei Fei, PhD
Associate Professor
Radiology and Imaging Sciences

Dr. Baowei Fei was one of 43 researchers that were selected as recipients of the Academy of Radiology Research (ARR) 2013 Distinguished Investigator Award. The Distinguished Investigator Award recognizes

individuals for their accomplishments in the field of imaging research and significant contributions to the record of scientific progress and innovation. The ARR held an induction ceremony for members of its Council of Distinguished Investigators on Monday, December 2 at RSNA 2013.

Original Research Paper



Abhijit Datir, MD
Fellow- Musculoskeletal
Radiology and Imaging Sciences

Dr. Abhijit Datir's revised manuscript, titled "Diagnostic Utility of MRI and MR Arthrography for Detection of Ligamentum Teres Tears: A Retrospective Analysis of 187 Patients with Hip Pain", has been accepted for

publication in the American Journal of Roentgenology/ AJRONline.org as an Original Research article.

Publications

Khosa F, Khan A, Shuaib W, Clouse M, Budoff M, Blankstein R, Nasir K. [Radiation exposure for coronary artery calcium score at prospective 320 row multi-detector computed tomography](#). *Int J Cancer Ther Oncol* 2013; 1(2):01023.

Khosa F, Khan A, Nasir K, Shuaib W, Budoff M, Blankstein, R, Clouse, M. [Influence of Image Acquisition on Radiation Dose and Image Quality: Full versus Narrow Phase Window Acquisition Using 320 MDCT](#). *The Scientific World Journal*, vol. 2013, Article ID 731590, 2013.

Meltzer CC, Mullins ME, Chertoff JD, Bluth EI, Canon CL. [Are we training the right number of radiologists?](#) *J Am Coll Radiol*. 2013 Oct;10(10):757-9.

Shuaib W, Vijayasarithi A, Tiwana MH, Johnson JO, Maddu KK, Khosa F. [The diagnostic utility of rib series in assessing rib fractures](#). *Emerg Radiol*. 2013 Dec 3. [Epub ahead of print] PMID: 24297110.

Tang S and Tang X. [Radial differential interior tomography and its image reconstruction with differentiated backprojection and projection onto convex sets](#). *Med Phys*. 2013 Sep;40(9):091914.

Certified Radiology Administrator

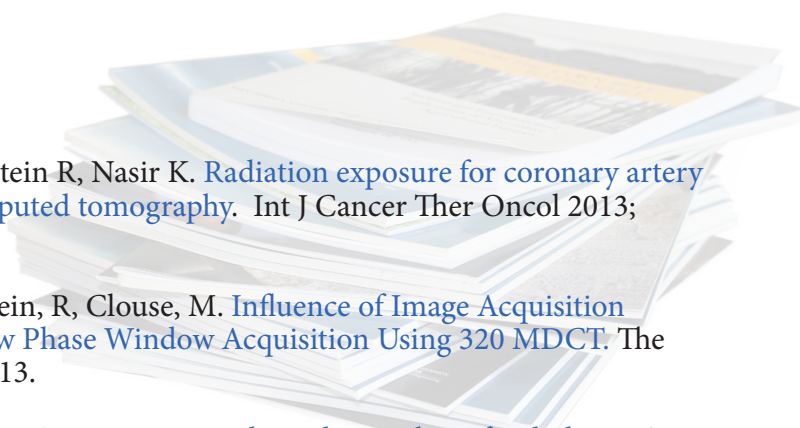
Randy Bethea and Chrystal Barnes have received the credential of Certified Radiology Administrator (CRA) through the Radiology Administration Certification Commission (RACC). The CRA program is the first and only credentialing opportunity recognizing the range of skills and expertise an imaging administrator possesses. This credential was designed to recognize professional competencies in five key medical imaging management areas: financial management, communication and information management, human resource management, operations management and asset management.



Randy Bethea
Asst. Director
Radiology and Imaging
Sciences



Chrystal Barnes
Director of Imaging
Emory Johns
Creek Hospital



Quality Corner

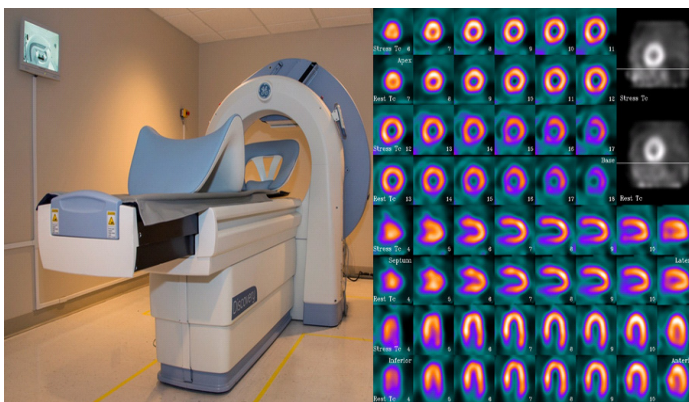
Radiology and Emergency Medicine Collaboration Yields Value: Working Together to Improve Patient Throughput

Efficient workflow and patient throughput are major components of managing our Emergency Departments (ED). Emergency Radiology plays an important role in evaluating ED patients. The Emergency Radiology and the ED continue to collaborate on a number of initiatives to safely, appropriately and efficiently move patients through the busy departments.

CAPP (Community Acquired Pneumonia Pathway): Patients with suspected pneumonia are identified at the time of triage in the Emergency Department (ED). When all examinations are requested STAT, it can be challenging to manage the patient imaging workflow. **CAPP** created a workflow to expedite image acquisition and interpretation in the ED setting. We created a unique label for pneumonia suspects to help the technologists identify these patients on their worklists and to prioritize the imaging workflow appropriately. When a pneumonia suspect's imaging is completed, the technologist informs the IWS (reading room coordinator) who relays the information to the Emory Radiology physician, who is then able to triage interpretation workflow appropriately. Positive results are communicated to the ED. During the study period, turnaround times for image acquisition and interpretation were reduced up to 10% and 50%, respectively.

Nuclear Medicine Highlights

Emory was the core lab in a multicenter clinical validation of a dedicated cardiac CZT camera (Esteves et al. *J Nucl Cardiol* 2009;16:927-34). Today, all of our outpatients referred for myocardial perfusion SPECT are imaged on the CZT camera. Due to higher count sensitivity compared to standard SPECT cameras, imaging times are reduced on the CZT camera in spite of significantly lower radiation doses. In fact, we have been able to reduce radiation exposure by 40%, on average, in patients undergoing myocardial perfusion SPECT at Emory. Please click here to read the [Nuclear Medicine Corner](#).



NOCAPE (No Oral Contrast AbdominoPelvic Exam): A growing body of literature supports comparable contrast-enhanced CT detection rates of pathology among ED patients with or without oral contrast presenting with abdominal pain. The **NOCAPE** protocol removes routine oral contrast administration from the imaging protocol in a select group of EUH/EUHM ED patients. This pathway has safely and successfully run for over 18 months with significant reduction in radiology turnaround times (down 33 minutes) and ED length of stay (down 44 minutes).

RAD-READY: Prerequisites accompany many of our imaging protocols. Proper attire, consent, appropriate intravenous access and normal renal function are some examples. The **RAD-READY** pilot is geared to improve the communication between ED nursing and our technologists through key information in the electronic medical record and to improve patient transport from the ED to Radiology. The pilot is scheduled to begin in March on the EUHM campus for CT examinations in the ED. After the trial, **RAD-READY** will launch at EUH, EJCH and SJH EDs.

Updates from Imaging Applications Support (IAS)

Final Reports available in GE PACS

IMPORTANT Notifications:

Patient Information “Unknown” workflow:

1. Final results are available in GE PACS report panel.
2. Radiologists no longer use “Donuts” for study validation. If the study is on the worklist and completed it can be read.
3. Radiologists unverify exams when additional images need to be added by the Technologist
 - Technologists call the Radiologist to unverify. After hours if the Radiologist is unavailable place an 8help ticket
4. Exam Notes in GE PACS
 - “Additional images added” is available as an option

Wendy Lybrand, *Radiology Informatics Trainer*

Striving for Excellence

EJC Luxury Breast Center

Patient-Centered Design

Women often have preconceived notions about what their appointment for a mammogram will be like before they come in for their procedure. A cold and impersonal clinical environment can further increase anxiety for patients. Emory Johns Creek Hospital has taken this into consideration and designed the Center to create a patient experience that is pleasant, soothing and much more relaxing.

The faculty and staff, including physicians, ultrasonographers, mammographers, maintenance personnel, and environmental services personnel began working together in February of 2013 to create a patient-friendly environment. Here is our finished product:



Cutting-Edge Technology

For decades, doctors have been searching for a technology to find very small cancers and reduce the number of false positives (which lead to call-back for diagnostic testing following a suspicious mammogram). The search led to Tomosynthesis, an FDA approved breast cancer screening technology. Tomosynthesis images can be viewed as a three-dimensional reconstruction of the breast. This 3D mammogram allows our radiologists to see breast tissue in a manner never before possible; fine individual details can be seen more clearly, no longer hidden by overlapping tissue.

Offering 3D represents our commitment to quality care and continuously advancing technology. Recent studies suggest that 3D imaging results in earlier detection, easier detection, fewer false alarms, more comprehensive care and better benchmarking. EJC is just in the beginning stages of validating this information and much remains to be seen. We are, however, confident that we will provide our patients with more effective and efficient care.



Chrystal Barnes
Director, Imaging
Emory Johns Creek Hospital

Get Involved

Patient Family Advisors

Our Department is very fortunate to have a terrific and talented new group of Patient Family Advisors (PFAs) who are committed to making Emory Radiology an even better place for our patients. This year's PFAs are:

Bari-Ellen Ross
Patti Gambrell
Gary Gelb
Jennifer Giliberto
Jim Stapleton
Linda Zimmerman
Stan Linder

Make sure you take the time to introduce yourself to our new PFAs.



Patient Family Advisors stand with Dr. Applegate, Director of Professional Quality Improvement during the PFA meet and greet luncheon. (Left to right) Jennifer Giliberto, Gary Gelb, Jim Stapleton, Dr. Applegate, Patti Gambrell and Linda Zimmerman. (Not picture) Bari Ellen Ross and Stan Linder.

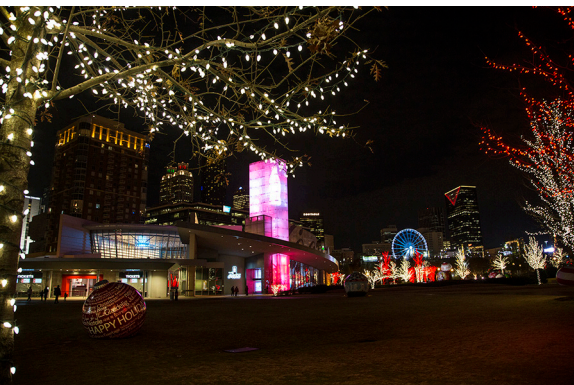
Get Involved

A Season of Celebration



Thank you for celebrating a wonderful year at the 2013 Department of Radiology and Imaging Sciences Holiday Party.

In 2014, we will continue to work together as we strive for excellence and collaborate for another successful year of clinical care, research, and education that makes Emory Radiology and Imaging Sciences a national destination department.



Happy New Year

New Faces & Appointments



Richard Duszak, Jr., MD
Vice Chair for Health Policy and Practice

Dr. Richard Duszak joins the Department from Baptist Hospital in Memphis, where he served as the Director of Radiology Resident Research.

Duszak has authored nearly 50 peer-reviewed publications and numerous policy briefs and invited works. Earlier this year, Dr. Duszak was honored with the William T. Thorwarth, Jr., MD Award for Excellence in Economics and Health Policy for his leadership in this important arena.

He also serves as Chief Medical Officer of the Neiman Health Policy Institute. A full voting member of the CPT Editorial Panel, he has held numerous professional society leadership positions and is Associate Editor of the Journal of the American College of Radiology.



Nanci Nessel, MPH
Clinical Administrator

Prior to joining the Department, Nanci Nessel served as a Director of Finance and Administration for the Department of Orthopaedic Surgery at Stanford University.

Nessel will oversee the daily operations and financial performance of the Radiology professional practice, research, and education areas and will participate in the planning and implementation of strategic and operational initiatives.

She holds a B.S. degree in Health Sciences from Truman State University, Kirksville, MO, and a Masters of Public Health from Saint Louis University, St. Louis, MO. She is also a Certified Health Education Specialist.



Michelle Ross, MD
Assistant Professor
Community Radiology Specialists

Dr. Michelle Ross has been a private practice, community hospital based diagnostic radiologist for the past 14 years, initially at Newton General Hospital in Covington, Georgia where she was instrumental in developing the Women's Breast Health Center.

She subsequently joined Emory Saint Joseph's Hospital (formerly Saint Joseph's Hospital of Atlanta), where she became Medical Director of the Ed and Dora Voyles Breast Health Center. Ross specializes in breast imaging, including mammography, ultrasound, MRI and image-guided biopsies.



Funmilayo Tade, MPH
Postdoctoral Researcher

Prior to joining Emory, Funmilayo Tade worked as a physician in primary health care centers and tertiary hospitals in Nigeria. Tade received her Masters in Public Health from Emory University and gained experience in clinical research and quality/process improvement initiatives at Emory University Hospital. Her area of interest is translational research, quality/ process improvement initiatives, and improved patient outcomes. Tade earned her medical degree from Obafemi Awolowo University, Nigeria.

Picture
coming
soon

Valencia Hawthorne, APRN-BC
Nurse Practitioner

Valencia Hawthorne has worked at Emory for 21 years. Prior to joining Radiology she worked as a physician extender to assist in the opening of the Emory Clinic Division of General Neurology. Hawthorne also was appointed adjunct faculty member at the Nell Hodgson Woodruff School of Nursing in 2010, teaching nursing students in the specialty of neuroscience. She received her Bachelor of Science in Nursing at Clemson University followed by her Master of Science in Nursing at Emory University.



Melissa Bayliss
Human Resource Associate

Melissa Bayliss was recently promoted to Human Resource Associate. After four years as a recruiter for Emory University, Bayliss joined the Department of Radiology in 2011 as a HR Specialist. She has over ten years of human resource experience. Bayliss received her BA from Georgia Tech University.

Radiology Calendar

Click here to see the schedule for:
[Grand Rounds](#)
[RIPS](#)
[Radiology Events](#)