

Medical Physics Residency Program

The newly created Medical Physics Residency Program was awarded a four-year grant from the American Association of Physicists in Medicine (AAPM) and Radiological Society of North America (RSNA) to support training MS and PhD resident candidates in diagnostic physics. Led by Jonathon A. Nye, this program is a collaborative training effort between the Department of Radiology and Phoenix Technology Corporation, a private consulting company. The residency offers a two-year structured training experience in diagnostic medical physics that qualifies trainees for board certification by the American Board of Radiology (ABR) and American Board of Medical Physics (ABMP).

Medical physics is an applied branch of physics focused in medicine with three primary areas of activity: clinical service and consultation, research and development, and teaching. Medical physicists are valuable members of the medical imaging team with extensive scientific and technical

knowledge that is crucial to enhancing the effectiveness and safety of a wide range of imaging procedures. This is achieved through collaboration with radiologists and technologists in the optimization of imaging procedures and protocols, evaluation of equipment performance with respect to image quality and safety conditions, and contributing to the education and training of other imaging professionals, especially radiology residents and fellows.

The medical physics residency program is supported by a multi-disciplinary team of scientists and clinicians with a large breadth of experience in student and trainee mentorship. The academic/industry partnership is an innovative situation among the existing residency programs throughout the US. Emory's graduating trainees will gain experience in academic- and consulting-based practices that should provide an advantage in their future professional careers. Funding through the AAPM/RSNA will support this program and possible expansion through new industry and academic collaborations.

The residency program received provisional accreditation through December 31, 2015 from the Commission on Accreditation of Medical Physics Educational Programs (CAMPEP). The program will hire its first resident for a start date of July 1, 2014. After one year, the program will invite CAMPEP to perform a site visit for consideration of full accreditation.

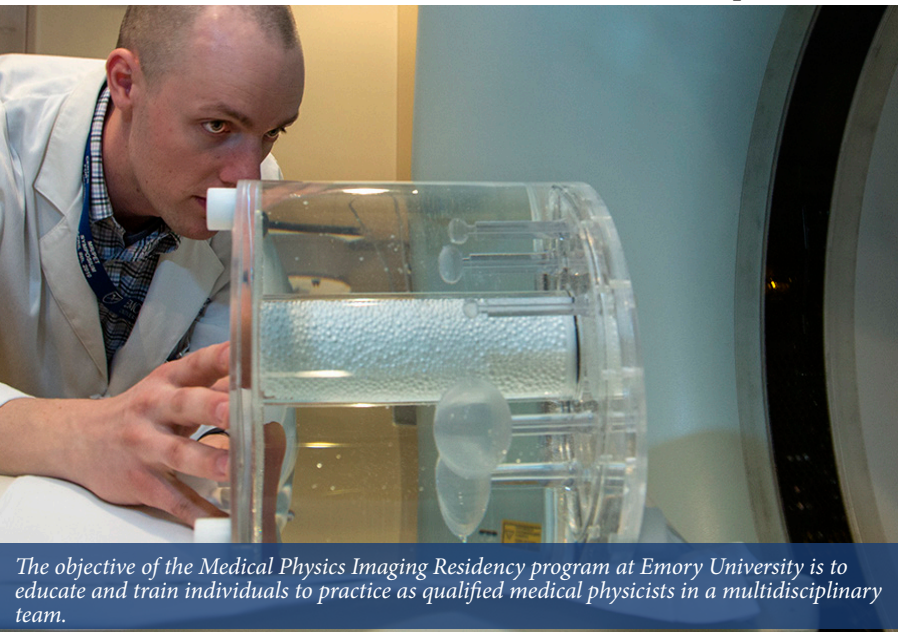
Service Excellence

Service Tips

The Service Excellence Committee brings you the "Service Tip" for March...

Even if you don't know the answer, help others find the answer to their questions.

If someone asks a question to which you don't know the answer, don't just say, "I don't know". Help them find the answer! On their behalf, make phone calls, look up directions or ask someone who might know. This will make a great impression, and next time you are asked, you will be ready with the answer.



The objective of the Medical Physics Imaging Residency program at Emory University is to educate and train individuals to practice as qualified medical physicists in a multidisciplinary team.

Letter from the Chair Opportunities and Challenges

President Obama's proposed 2015 budget was released on March 4 and raises both hopes and concerns for academic health centers such as our own (see [AAMC summary](#)). The budget includes \$100 million for the exciting Brain Research through Advancing Innovative Neurotechnologies (BRAIN) Initiative, and \$200 million increase for the NIH overall. This would raise the NIH budget to \$30.2 billion, a mere 0.7% raise. If the budget is approved, we would also see large cuts to the indirect hospital payments that support graduate medical education for residents and fellows. Medicare disproportionate shared hospital (DISH) payments would be reduced by \$3.26 billion, which would hurt hospitals such as Grady. A reversal of the Georgia legislature's decision to refuse Medicaid expansion could offset this blow yet, doesn't seem likely in the near future.

Awards & Recognition

Associate Editor of Medical Physics



Xiangyang Tang, MD
Associate Professor
Radiology and Imaging Sciences

Dr. Xiangyang Tang has been appointed as the Associate Editor of Medical Physics, one of the two world-wide flagship scientific journals in Medical Physics, for a three-year term (2014-2017). The Board of Associate

Editors of Medical Physics is a panel of scientists and researchers covering the physics of medical imaging and radiation therapy. With his extensive expertise and experience in CT imaging, Tang will work with other Associate Editors to oversee manuscript reviewing and assure the quality of papers published in Medical Physics.

Caught in the Act



Carol Dowdle
Academic Support Specialist

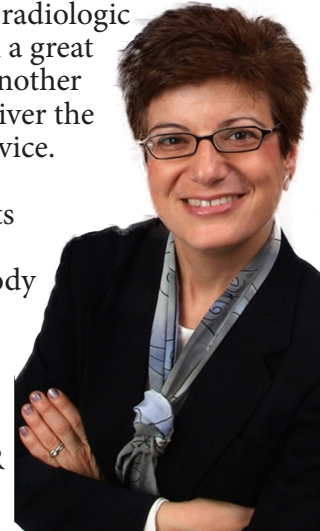
Carol Dowdle is the Academic Support Specialist for the Medical Education Program in Radiology and Imaging Sciences. Recently, Carol went above and beyond to help a colleague in need. Carol's colleague was in a pinch after being "bumped" from a space that was reserved for an important event just three days away. Carol knew about the situation and helped her colleague by making space arrangements within another department. Carol's act of service excellence demonstrated great empathy and active engagement. Thank you, Carol, for your dedication to service excellence! To read full story click [here](#).

On February 1, 2014, the Department of Radiology and Imaging Sciences officially took on responsibility for clinical services at Saint Joseph's Hospital. Over the next six months of this transition we will work together to optimize coordination of radiologic patient care at this new site. It is both a great opportunity and a challenge to add another hospital to our health system and deliver the highest quality and most efficient service.

Thank you to ALL for putting patients and each other first as we weathered SnowJam 1 and 2 together. You embody Service Excellence. Now, it's time for spring to arrive...

Best to all,

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

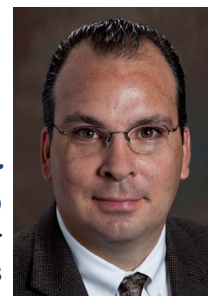


Effective September 1, 2014, Drs. Shim and Sechopoulos will be promoted for their dedication and active participation in all three missions of clinical, research and educational excellence. These faculty members have demonstrated outstanding skills that contribute to not only their respective divisions but the Department as a whole.



Promotion to Professor
Hyunsuk Shim, PhD
Associate Professor
Radiology and Imaging Sciences

Promotion to Associate Professor
Ioannis Sechopoulos, PhD
Assistant Professor
Radiology and Imaging Sciences



Awards & Recognition

Clinical Research Boot Camp



James Provenzale, MD
Professor
Radiology and Imaging Sciences

Dr. Provenzale was selected to present at the Clinical Research Boot Camp on February 28th. He provided a presentation with the title “Manuscript Writing and Publishing”.

The Center for Faculty Development and Excellence and the School of Medicine Office of Faculty Development joined efforts to present the Clinical Research Boot Camp. The boot camp is a full day workshop designed to provide participants with comprehensive overview of the major components involved in clinical research.

J. Daniel Hanks, Jr. Fellowship



Ivan DeQuesada II, MD
Resident (3rd Year)
Radiology and Imaging Sciences

Dr. Ivan DeQuesada II, was awarded The J. Daniel Hanks, Jr. Fellowship. This fellowship is awarded annually by the Georgia Radiological Society (GRS) to a Radiology resident in

Georgia. Modeled after the prestigious J.T. Rutherford Government Relations Fellowship offered by the American College of Radiology (ACR), this award provides a trainee the opportunity to work closely with the ACR's Government Relations Division in Washington D.C. During this time, the fellow will learn about the ACR's national advocacy efforts, meet with representatives of federal regulatory agencies as well as members of Congress and their staff.

Harvey L. Neiman Award



Gelareh Sadigh, MD
Resident (1st Year)
Radiology and Imaging Sciences

Dr. Gelareh Sadigh recently received the Harvey L. Neiman Award from the Radiology Alliance for Health Services Research (RAHSR). This award is presented annually to any resident,

fellow, or AUR member who submits an outstanding abstract on radiology socioeconomics or health services research for presentation at the AUR Annual meeting.

Chief of Radiology Services, Emory University Hospital Midtown

Over the past year, Dr. Jamlik-Omari Johnson has served as Assistant Chief of Radiology Services at Emory University Hospital Midtown EUHM) under the close mentorship of Dr. William Small. On February 1, 2014, Small handed over the EUHM Service Chief reins to Johnson. In this capacity, Johnson will work in partnership with faculty and staff leadership to continue our journey at EUHM.

Small has served as Chief of EUHM Radiology Services since 2008, overseeing our subspecialty integration, the introduction of Emergency Radiology, and numerous enhancements to our patient care. We are grateful for his many outstanding contributions. This also brings expansion of the Division of Abdominal Radiology to Saint Joseph's Hospital, where the Emory Healthcare presence has rapidly grown to include transplant clinics and surgical oncology. Small will lead this important expansion to provide advanced abdominal imaging services to ESJH.

Congratulations to both Small and Johnson on their collaborative leadership.



CAMPEP Accreditation

The Department's new Medical Physics Imaging Residency Program received provisional accreditation through December 31, 2015 from the Commission on Accreditation of Medical Physics Educational Programs (CAMPEP). The program will hire its first resident for a start date of July 1, 2014. After one year, the program will invite CAMPEP to perform a site visit for consideration of full accreditation.

Awards & Recognition

College of Physicians and Surgeons Award

Faisal Khosa, MD
Assistant Professor
Radiology and Imaging Sciences

Dr. Faisal Khosa was awarded the College of Physicians and Surgeons Award for 15 years of outstanding service to medicine in Pakistan. The College of Physicians & Surgeons is the regulatory body for medical education in Pakistan. This award recognizes Khosa's years of lecturing, and his coaching and mentoring of medical students and graduates in Pakistan.

Khosa has lectured at medical universities across Pakistan for over a decade.



Merrill's Award Recipient

Christopher Rodriguez
Diagnostic Technologist

The Merrill's Committee is pleased to announce the winner of the January award, **Christopher Rodriguez!** Chris is a diagnostic technologist on weekends at EUHM. His winning image was a portable KUB on a patient with severe impaction. The immaculate positioning, centering, technique and other factors earned him this well deserved award. Please join us in congratulating Chris.

Each time a radiologist gives an "Excellent Work" procedure critique, that exam is automatically submitted for a Merrill's nomination!

Annual Meeting and Chapter Leadership Conference

One of the preeminent organizations in our profession, the American College of Radiology (ACR) is complex and organized around five areas of interest—advocacy, clinical research, economics, education and quality/safety. At its largest meeting, the Annual Meeting and Chapter Leadership Conference (AMCLC), leaders in the imaging sciences gather in our nation's capital to tackle issues in socioeconomics and professional practice. Emory University's Department of Radiology and Imaging Sciences has a strong record of involvement in the ACR, with numerous attendings traveling to D.C. every year to represent our profession. Although the vast majority of attendees have completed their training, there is a separate section at the AMCLC for residents and fellows.

This two-day program features well-known speakers discussing topics ranging from radiology education to practice guidelines and even contract negotiations. In addition, an entire day is spent lobbying on Capitol Hill with radiologists from across Georgia meeting members of Congress and their staff. Through the help of the Georgia Radiological Society as well as our Department, Emory will be sending six residents to the AMCLC as well as presenting four posters in the scientific program. It promises to be an exciting meeting, which will hopefully stimulate continued involvement in the ACR. Below are the posters that will be presented at AMCLC:

Understanding the Hospitalists' and Emergency Physicians' Needs and Preferences from the Radiology Department and Radiology Report
Gelareh Sadigh, Seyed Amirhossein Razavi, Jamlik-Omari Johnson, Kimberly E Applegate

Foreign bodies of the gastrointestinal tract: Ingestions and Insertions
Travis Langle, Faisal Khosa, Ken F Linnau

Radiation Reduction in Imaging of Acute Aortic Syndromes
Ronak Shah, Waqas Shuaib, Ninad Salastekar, Jamlik Omari-Johnson, Faisal Khosa

Central Venous Catheter Complications: A Case Review
Ivan DeQuesada, Eugene Berkowitz

Awards & Recognition

Standardizing CT for PET and SPECT Research



Jon Nye, PhD
Assistant Professor
Radiology and Imaging Sciences

Dr. Jon Nye will present a webinar at the Society of Nuclear Medicine and Nuclear Imaging Annual Meeting in April. This webinar will discuss technical aspects of computed tomography when used in conjunction with single photon and positron emission tomography (SPECT and PET). The discussion will also include an overview of available CT instrumentation for SPECT and PET, application of CT for attenuation, methods to address spatial mismatch and artifacts and low-dose protocols.

Diagnostic Imaging Centers of Excellence



The Department of Radiology at Children's Healthcare of Atlanta (CHOA) received the first Diagnostic Imaging Center of Excellence award from the American College of Radiology (ACR). CHOA is not just the first children's hospital, but the first of any non-pilot hospital in the US to get this designation. The award is based on participation in ACR accreditation programs for all modalities offered and participation in GRID and the Dose Index Registry. Over ninety elements of performance are assessed by a three person team during a one day on-site visit and review by the ACR.

The Diagnostic Imaging Centers of Excellence program takes accreditation to the next level by providing a comprehensive assessment of the entire medical imaging enterprise including structure and outcomes.

Publications

Auffermann WF, Chetlen AL, Sharma A, Colucci AT, DeQuesada IM, Grajo JR, Kung JW, Loehfelm TW, Sherry SJ. [Mobile computing for radiology](#). Acad Radiol. 2013 Dec;20(12):1495-505.

DeQuesada IM, Chokshi FH2. [Neuroimaging of acute traumatic brain injury: emphasis on magnetic resonance imaging and prognostic factors](#). Semin Roentgenol. 2014 Jan;49(1):64-75. 2013 Oct 10.

Duszak R Jr, Lanier B, Tubbs JA, Ogilvie M, Thompson-Jaeger S. [Bacterial contamination of radiologist workstations: results of a pilot study](#). J Am Coll Radiol. 2014 Feb;11(2):176-9. Epub 2013 Jun 28.

Lipowska M1, Klenc J2, Shetty D2, Nye JA2, Shim H3, Taylor AT2. [Al\(18\)F-NODA-butyric acid: Biological evaluation of a new PET renal radiotracer](#). Nucl Med Biol. 2014 Mar;41(3):248-53. doi: 10.1016/j.nucmedbio.2013.12.010. Epub 2013 Dec 26.

Khosa F, Khan A, Nasir K, Shuaib W, Budoff M, Blankstein R, et al. [Influence of Image Acquisition on Radiation Dose and Image Quality: Full versus Narrow Phase Window Acquisition Using 320 MDCT](#). ScientificWorldJournal. 2013.

Nye JA, Purselle D, Plisson C, Voll RJ, Stehouwer JS, Votaw JR, Kilts CD, Goodman MM, Nemeroff CB. [Decreased brainstem and putamen sert binding potential in depressed suicide attempters using \[11C\]-zient PET imaging](#). Depress Anxiety. 2013 Oct;30(10):902-7.

Nye JA, Votaw JR, Bremner JD, Davis MR, Voll RJ, Camp VM, Goodman MM. [Quantification of dopamine transporter density with \[\(18\)F\]FECNT PET in healthy humans](#). Nucl Med Biol. 2014 Mar;41(3):217-22.

Shuaib W, Johnson JO, Pande V, Salastekar N, Kang J, He Q, et al. [Ventriculoperitoneal shunt malfunction: cumulative effect of cost, radiation, and turnaround time on the patient and the health care system](#). AJR Am J Roentgenol. 2014;202(1):13-7.

Taylor AT, Garcia EV. Computer-assisted diagnosis in renal nuclear medicine: [Rationale, methodology and interpretative criteria for diuretic renography](#). Semin Nucl Med 2014;44:146-158.

Striving for Excellence Collaboration – A Team Effort



Willie Arnold, MBA
Senior Manager, Clinic Operations

We have gotten off to a great start this year! The Department of Radiology and Imaging Sciences continues to grow and expand its services throughout the state of Georgia and beyond. Our clinical service, education and research efforts are recognized worldwide. What is that? How does Emory continue to leap bounds in this competitive healthcare industry? One important reason is our ability to effectively collaborate with teams and leadership on every level. Collaboration is defined as working with each other to do a task and to achieve shared goals.

For this edition of Striving for Excellence, I would like to focus on the collaboration that has occurred since our Department teamed up with Saint Joseph's Hospital (SJH). On February 1, 2014, our Radiology Department began providing professional

New and Improved Website Coming Soon

Over the past eight months, the Media and Communications team has worked diligently to revamp the current radiology.edu website. The new website will roll out in early April of this year. Although we have been working on the website for many months, our efforts have been assisted immensely by the feedback, comments and recommendations from our Communications Task Force Committee.

Website

The new website will reflect the Department's three pillars: clinical, education and research. You will find that the navigation and layout will be user friendly, clean and concise, and fall within Emory University guidelines. The goal for the new website is to create a design and layout that will attract our target audiences (future faculty members, fellows and residents).

Intranet

We are also in the process of revamping our intranet. We would like the intranet to become a standard resource tool for faculty and staff, who will be able to access specific information within our Department.

interpretation services at SJH. This has been an exciting opportunity to learn and grow with Saint Joseph's Hospital, which is recognized as one of the leading specialty-referral hospitals in the Southeast.

With this new alignment, we brought on several talented physicians to assist with this expansion. They are **Lauren Alexander, MD, Bela Bhatia, MD, Tim Hanes, MD, Kristina Gedgudas-McClees, MD, Michelle Ross, MD, and Kush Singh, MD**. Along with our Community Division radiologists, this team has come together to share ideas and best practices that continue to improve quality, safety, and service to our patients.

Our sub-specialty divisions have also been instrumental in the success of this new endeavor. They have been actively engaged in providing valuable expertise that improves clinical outcomes for our patients.

The collaborative efforts of physicians, technologists, staff, and leadership at Emory Saint Joseph's are just one example of how teamwork helps make Emory a place of quality and clinical excellence. We are truly all in this together.

Rad Report

In May, the Rad Report will become an e-newsletter rather than a PDF. The content will remain the same, but the design will look similar to the **Emory Report**. The e-newsletter will be sent out monthly to faculty and staff.

The screenshot shows the website's header with the Emory University School of Medicine logo and the Department of Radiology and Imaging Sciences. The navigation menu includes Home, About Us, Clinical Divisions, Education, Research, Faculty, Events and Lectures, and Give. A search bar is located in the top right corner. Below the navigation is a large image of two men in lab coats looking at a computer monitor displaying medical images. To the right of the image is a 'QUICK LINKS' section with buttons for Patients, Clinicians, Intranet, Global Initiative, Rad Reports, Virtual Desktop, Careers, and Contact Us. Below the image are three featured articles: 'Our Culture' with a 'WATCH VIDEO' link, 'Calendar' with a 'VIEW CALENDAR' link, and 'LATEST NEWS' featuring 'Child-Friendly Imaging Capability' and 'Mao's Lab Scores Grant'. A 'FACULTY SPOTLIGHT' section highlights the '2013 Distinguished Investigator Award' for Dr. Boawei Fei. The footer contains contact information and copyright details for 2014 Emory University.

Get Involved

Residents Work Through Snow Jam

We are impressed with the level of professionalism and responsibility shown by all of the residents, including those who deemed it unsafe to come in to work during the inclement weather.

We want to take a minute to specifically bring to your attention a few residents who went above and beyond the call of duty:

Faramarz Edalat was on EUH night float Tuesday night, and called to let us know that he was doing his best to get in but wasn't sure he could make it. We later learned that he had to abandon his car and was in the process of walking the final 30+ minutes to EUH (Uphill! At night! In the freezing cold!) when he was fortunately picked up by an Emory staffer and driven the rest of the way in. Plenty of other people might have turned around or stayed home altogether, which would have put us in a tight spot for night float coverage.



Snow Jam 2014 I and II shut down most of Atlanta, but this did not stop faculty and staff from coming to work and providing great service to our patients.

April Farley was on EUH evening shift and had no issues at all staying to cover the extra time it took Faramarz to get in. She was stranded at EUH, stayed the night there, and checked in with us in the morning to see where she should report to work! We were happy to be able to tell her that things were covered adequately and she could get home and get some rest.

Keirsun Crockett shouldered the “most senior resident” responsibility at EUH and assured us that he would stay on until the 5-11p resident made it in, to ensure uninterrupted resident coverage in the event that other people were being let off service early.

Bethany Milliron handled the work of several residents on a busy body service at Grady, which on a good day is already moderately short staffed.

Aalok Turakhia and **Mark Green** came in to work full days at Grady without a single complaint or attempt to pull seniority, even sending more junior residents home early when the workload turned out lighter than expected.

Plenty of other people stepped up to the plate, including **Zach Royce, Ronak Shah, Matt Nitz, Drew Streicher, Sean Necessary, Mark Trahan, Brittany Nagy, Leah Carlson, Brad Rostad, Rich Williams, Arvind Vijayasarathi, Neil Shah, and Matt McDermott** checking in with us to see where else they could be of service when their scheduled rotations were slow or shut down.

Although the inclement weather shut most of Atlanta down, thanks to our dedicated residents, fellows, and faculty the Emory Department of Radiology remained fully functional.

Nuclear Medicine Highlights

Nuclear Medicine Chief Resident 2014-2015

The division of Nuclear Medicine and Molecular Imaging is pleased to announce and welcome our newly elected Chief Resident for the academic year 2014-2015, Dr. Shawn Carter.

Carter joined the Nuclear Medicine Residency Program at Emory University Hospital in 2013 after completing five years of active duty service with the U.S. Air Force as a flight surgeon. During his time in the service, he served two tours overseas, one of which involved directly treating ill and injured service members in Afghanistan in 2012. However, if asked what he remembers as his most memorable experience during military service, Carter will describe his involvement in the historic final space shuttle landing on July 21st, 2011. NASA and the Air Force selected Carter as one of four “AIRDOCs” (his call sign) to fly on an HH-60 helicopter to the runway at Kennedy Space Center and await the landing of the space shuttle Atlantis. As part of the training for this event, Dr. Carter was placed into a liftoff/landing suit to better understand the mechanics that the astronauts experience. In the event of a survivable crash, Carter and his team of EMT-trained pararescue jumpers would extricate their respective astronaut, triage his injuries, and fly the injured astronaut to the most suitable hospital. Thankfully his triage services were not needed, but the opportunity to be a part of the shuttle program's final mission was unforgettable.

Let's all welcome Dr. Carter and wish him good luck at his new upcoming appointment.



*Shawn Carter, MD
Nuclear Medicine Chief Resident*

New Faces & Appointments



Kush Singh, MD
Assistant Professor
Community Radiology Specialists

Dr. Kush Singh is the Medical Director of Emory Saint Joseph's Hospital Department of Radiology. He is a member of the Division of Community Radiology Specialists. Singh's clinical expertise and research interests include orthopedic imaging, mainly MRI and MR arthrography.

Singh earned his medical degree from Jefferson Medical College, Philadelphia, PA. He completed his residency and his Musculoskeletal Fellowship at Duke University Medical Center.



Oyeladun Oyenuga, MD, MPH
Research Associate

Upon graduation from medical school, Oyeladun Oyenuga worked with various primary health care centers in Nigeria before obtaining a Master of Public Health degree from the Rollins School of Public Health at Emory University. While at the School of Public Health, Oyenuga worked as a Graduate Research Assistant in the Department of Behavioral Science and Health Education on the Hope VI project. Oyenuga's area of focus is clinical molecular imaging translational research focusing on molecular and nuclear imaging with emphasis on improving cancer diagnosis and staging using novel radiotracers and positron emission tomography cancer imaging.



Nadia Krasnoperova Brown
Senior Graphic Designer

Prior to joining Emory, Nadia Brown worked with web and graphic design at Georgia Highlands College. She also has worked as a freelance graphic designer. Her experience ranges from graphic design to web design. Brown received her Bachelor's degree from Saint Petersburg State Polytechnic University in Russia. In Brown's spare time she participates in art shows and exhibitions throughout metro Atlanta featuring her oil paintings.

Radiology Calendar

Click here to see the schedule for:

[Grand Rounds](#)
[RIPS](#)
[Radiology Events](#)

Updates from Imaging Applications Support (IAS)

Technologist Comments in RadNet

Information Services is working with Cerner to allow technologist comments to flow into PowerScribe reports.

Mpages

COMING SOON Radiology specific Mpages in RadNet

Advanced PowerScribe 360 Training

A Nuance representative will be coming to Emory for advanced training (date not determined). Please keep a list of any questions, concerns or enhancement suggestions you may have for the representative. Please send inquires to:

wendy.lybrand@emoryhealthcare.org

Information Services Corner

Please visit the IS information support page, linking to the known issues document and imaging applications quick reference guides. Click [here](#) for support page.

Wendy Lybrand, *Radiology Informatics Trainer*

HR Tip

Equal Opportunity Seminar

Creating an Environment of Courtesy and Respect

Understanding and Preventing Sexual Harassment and Sexual Misconduct:

The seminar will discuss Emory policies and procedures to prevent sexual harassment and sexual misconduct. Participants will be given an easy-to-remember behavioral model that defines when and how conduct, behavior and performance are governed by organizational policy and the law. During the session, you will have the opportunity to analyze and discuss realistic workplace scenarios and engage in interactive exercises.

The seminar will be on different times and dates. To registrar, please sign up through ELMS [here](#).

Melissa Bayliss, *HR Associate*