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Cover image by Sahar Ahmad, Ye Wu, and Pew-Thian Pap.
Featured on the back cover of the 2022-2021 edition of Endeavors
BEST
IN THE
SOUTHEAST
As I look back at 2022, I am so proud of the level of greatness that our faculty, staff, and trainees achieved while facing many obstacles. The international shortage of iodinated contrast media hit the radiology industry just when we finally saw a slowdown in COVID-19 cases, and the pandemic shifted to an endemic. UNC Radiology immediately stepped into the void, not just for the patients of UNC Hospitals but led the way at the state and national levels. We collaborated with other experts in academic radiology to provide guidance at the national level to quickly conserve existing supplies, reduce waste, and triage patients to continue to provide clinical excellence.

I look at 2022 as a year of significant investment to achieve our vision of being the premier Department of Radiology in the Southeast through delivering compassionate clinical excellence, advancing healthcare through innovation, and training the future generation of radiologists.

Over the past year, we welcomed newly recruited faculty into the UNC Radiology family. As academic radiology departments and private practices across the country struggled to recruit radiologists, our successful efforts resulted in the recruitment of national experts and a very diverse array of clinical and research faculty.

To support our three pillars of patient care, education, and research, we have invested in building and expanding our fantastic team of staff to support our clinical faculty and radiological sciences faculty, and trainees. In addition, we have built up our business office with an incredible team of administrative assistants, HR business partners, new staff leaders, and a new communications & marketing manager.

Throughout this newsletter, you will see the outstanding accomplishment of honors, awards, publications, and grants received over the last year by our clinical and radiological sciences faculty, staff, and trainees. A milestone for our department that highlighted this level of achievement was our inaugural Radiology Departmental Research Symposium. It was a wonderful showcase of the breadth of the groundbreaking research from our faculty and trainees.

Lastly, I want to touch on the milestone of our department celebrating our 70th anniversary. Established in 1952, Dr. Ernest H. Wood was the inaugural Chair of UNC Radiology. Since the inception of the Department, we have had three other chairs (Drs. Scatifl, Lee, and Mauro). Most recently, Dr. Keith Smith served as our Interim Chair before my arrival in December 2020. Over the decades, UNC Radiology has always strived to stay ahead of the curve and be a leader in academic radiology. As we look ahead to 2023 and beyond, I am confident that we have the right people, the right resources, at the right place to continue to elevate the success and legacy of UNC Radiology for the next 70 years.

I am so proud of this team, their hard work, and their continued dedication to our vision of making UNC Radiology the Best in the Southeast!
CELEBRATING 70 YEARS OF RADIOLOGY AT CAROLINA
Towards the end of April, a global shortage of iodinated contrast media began. UNC Radiology worked collaboratively with leaders from other departments to quickly conserve existing supplies, reduce waste, and triage patients to continue to provide clinical excellence. UNC Radiology’s innovative approaches were published in peer-reviewed journals to help guide colleagues across the country and worldwide on conservation strategies.

How did the shortage start?

Two companies, GE and Bracco, hold more than 90% of the market share for iodinated contrast media. Most hospitals in the UNC Health system, including UNC Medical Center, use GE as the sole supplier of iodinated contrast agent.

The primary GE facility producing iodinated contrast media, located in Shanghai, China, had closed due to a government-mandated city lockdown during a recent COVID-19 outbreak. While the plant could re-open in April 2022, it operated only at 20% capacity, and the request to expand capacity was denied by the Chinese Government. Since then, production has ramped up with an expected return to full capacity at the end of June 2022, but that delay in production meant it could take some time for contrast media to become fully available to the various healthcare facilities worldwide, including UNC Radiology.

UNC Radiology Leads in Contrast Conservation

In addition to UNC Radiology’s heavy utilization of iodinated contrast media, other Departments and service areas, such as Interventional Cardiology, Vascular Surgery, Urology, Radiation Oncology, and Orthopedic Surgery, among others, also use iodinated contrast media for diagnostic and therapeutic imaging and procedures. As a result, UNC Radiology partnered with these Departments to develop a plan to conserve the existing supply of iodinated contrast media and worked together, both intra-department and cross-department, to ensure that everyone had enough supply of iodinated contrast agent to care for patients. UNC Radiology also established multi-institutional collaborations with other Departments of Radiology that are facing this same crisis.

The shortage has since been resolved. Amongst
Radiology Departments nationwide, UNC Radiology took the lead in establishing and publishing recommendations to mitigate this crisis. Not only did faculty members create a conservation strategy for UNC Health, but they also are leading the way nationally and internationally, sharing effective strategies to mitigate the crisis through three separate publications in some of the most impactful radiology journals.

• Maureen P. Kohi, MD, Professor and Chair of UNC Radiology Department, and Mahmud Mossa-Basha, MD, Professor and Vice Chair of Quality and Safety at UNC, along with Thomas M Grist, MD, Professor and Chair of Radiology, University of Wisconsin, Cheri L Canon, MD, Professor and Chair of Radiology, University of Alabama-Birmingham, and Elliot K Fishman, MD from Johns Hopkins University published a special report in Radiology titled “Short-, Mid-, and Long-Term Strategies to Manage the Shortage of Iohexol.”

• Gloria Salazar, MD, Associate Professor, Mahmud Mossa-Basha, MD, Professor, Maureen P. Kohi, MD, Professor and Chair of UNC Radiology, and Lauren M. Burke, MD, Associate Professor wrote “Short-Term Mitigation Steps During the Iohexol Contrast Shortage: A Single Institution’s Approach,” in the Journal of American College of Radiology.

• Nicole A. Keefe, MD, Assistant Professor at UNC, Kush R. Desai, MD, Associate Professor of Radiology at Northwestern University Feinberg School of Medicine, Maureen P. Kohi, MD, Professor and Chair of UNC Radiology Gloria M. Salazar, MD, Associate Professor published their article, “Interventional Radiology Approach to Contrast Media Preservation Strategies,” in the Journal of Vascular and Interventional Radiology.

Each publication provides important preservation strategies and mitigation efforts, including information on how to create a priority matrix for diagnostic imaging and procedures that require iodinated contrast media versus those that can be deferred, those that can be performed with alternative imaging modalities, and those that can be performed with alternative contrast media. These efforts would not have been possible without the cross-departmental collaborations and partnerships that is representative of our values as One Great Team.

For more information, check out the news articles featuring some of our faculty during the shortage. Nicole Keefe, MD, was quoted in an Interventional News article Prudence recommended despite “pre-shortage levels” of contrast media, and Drs. Gloria Salazar and Nicole Keefe were featured in an article on Aunt Minnie titled Contrast shortage drives urgent changes in interventional radiology.
Our team supports our programs in all of our educational missions. They truly work tirelessly to ensure our trainees have everything they need to be successful. In our roles as program directors, we could not be successful without this one great team. I am so thankful for their support each and every day!  

-Cody Schwartz, MD
New Residents

**INTEGRATED IR**

LINDSEY SCHROEDER, MD  
Medical School & Intern: University of Oklahoma

**INDEPENDENT IR**

JACOB BELTZ, MD  
Diagnostic Residency: Memorial Health and University Medical Center

MARLEE CROISSY, MD  
Diagnostic Residency: Medical University of South Carolina

MARK MIKHITARIAN, MD  
Diagnostic Residency: Hofstra/Northwell

**DIAGNOSTIC RADIOLOGY**

DAVID BARTLETT, MD  
Medical School: Marshall University

CARLO CASTRO, MD  
Medical School: University of Miami

JOSHUA CHEN, MD  
Medical School: East Carolina University

MATTHEW GELLATLY, MD  
Medical School: University of North Carolina

NAKUL PATEL, MD  
Medical School: Eastern Virginia Medical School

CHRISTOPHER RUGGIERO, MD  
Medical School: University of South Carolina

DAVID SAILER, MD  
Medical School: University of North Carolina

ESHA SHARDA, MD  
Medical School: University of South Florida Morsani College of Medicine

ELISABETH SIDDEN, MD  
Medical School: Medical University of South Carolina
On Thursday, October 20th UNC Radiology hosted its annual Research Symposium. The event was put on hold for two years because of COVID but made a big impact on its return with special keynote speakers, thoughtful posters, and insightful oral presentations.

The highly successful event wouldn’t have been possible without the organizational efforts of Terry Hartman, MPH, MS, Administrative Director, Clinical Research; Sarah J. Nyante, PhD, Assistant Professor; and Weili Lin, PhD, Vice Chair of Research.

Guest Keynote Speakers

The event showcased three speakers, all of whom spoke in Kirkland Auditorium. The first keynote speaker was Sharmila Majumdar, MD, PhD, the Margaret Hart Surbeck Distinguished Professor in Advanced Imaging & Vice Chair for Research at the University of California in San Francisco. Her talk focused on, “Intelligent Imaging: The role of deep learning and Artificial Intelligence (AI) in Imaging.” Next up was Terry Magnuson, PhD, the Kay M. & Van L. Weatherspoon Eminent Distinguished Professor of Genetics. His talk, “Introduction to the School of Data Science and Society,” provided unique insights for UNC researchers.

The final keynote speaker was Bruce Rosen, MD, PhD, Laurence Lamson Robbins, Professor of Radiology & Vice Chair of Research at Harvard Medical School. He spoke on “Advances in Neuroimaging.”

Oral and Poster Presentations

The event also consisted of two oral presentation sessions which included a total of eight oral abstract presenters, including Tyler Rogers, MS4; Jared Weinard, MD, PGY4; Louise Henderson, PhD; Joshua Shoen, MD, PGY4; Michael Winkler, MD; Weixiong Jiang, PhD; Xinrui Ma, graduate student; and Diwash Thapa, MS4.

The poster presentations were heavily attended as students, residents, and faculty reviewed the displays. Forty posters lined the lobby ranging in a variety of topics from “tele-guidance” to “advanced imaging for Alzheimer’s disease.”

Award Winners

At the end of the day, awards were distributed to the winners before celebrating at a happy hour. Award winners included Best Radiological Sciences Poster by Diwash Thapa, MS4; Best Clinical Poster by Eric Cal, MS3; Best Radiological Sciences Oral Presentation by Xinrui Ma, a graduate student; and Best Clinical Oral Presentation by Joshua Schoen, MD, PGY4. Congratulations to all presenters and winners. And thank you to all those who helped make this event a tremendous success.

Thank you

Special thanks to the committee members: Karla Allen; Sheerah Coe; Lynn Fordham, MD; Janel Kerley; Maureen Kohi, MD; Yueh Lee, MD, PhD; Paul Marini, MHA; Keith Smith, MD, PhD; Cody Schwartz, MD; and Pew-Thian Yap, PhD.
**Photo Contest Winner**

*Sahar Ahmad, PhD, our new Research Instructor in the Radiological Sciences Group, along with Ye Wu, and Pew-Thian Yap, PhD, were selected as winners of the NIH 2022 BRAIN Initiative Show Us Your BRAINS! Photo & Video Contest. Her image won second place in the contest.*

Neuroscience has come a long way since the hand drawings of Ramón y Cajal. Innovative technology continues to capture the wonder and beauty of the brain. Each year, regardless of discipline, career stage, or funding source, the NIH invited all those engaged in the Brain Research Through Advancing Innovative Neurotechnologies® (BRAIN) Initiative to enter their coolest, most artistic, and eye-catching images or short videos in the BRAIN Initiative® Show Us Your BRAINS! Photo & Video Contest.

The BRAIN Initiative Investigators Meeting Program Committee reviews anonymized submissions and narrows the field to submissions they feel capture the creative spirit of the BRAIN Initiative. Finalists’ submissions are then posted online and open for public voting. The top three photos and top three videos were announced as part of the annual BRAIN Initiative Meeting – WITH PRIZES!

Their image was also featured in the NIH Director’s Blog: The Amazin Brain: Tight-Knit Connections by Lawrence Tabak, D.D.S., Ph.D.
Study finds that accurate diagnostic mammography outcomes vary by racial and ethnic groups

A multi-institutional study led by UNC Lineberger Comprehensive Cancer Center researchers and colleagues has found that diagnostic mammography results varied across racial and ethnic groups, with the rate of diagnostic accuracy highest in non-Hispanic white women and lowest in Hispanic women.

Racial disparities and outcomes
The researchers reviewed 267,868 diagnostic mammograms; women were followed for one year after their mammogram to see if they developed breast cancer. The records came from 98 facilities in the Breast Cancer Surveillance Consortium, a mix of urban and rural locations spanning six states, including the Carolina Mammography Registry, and were based on mammograms performed from 2005 to 2017.

An accurate cancer detection rate was highest in non-Hispanic white women (35.8 per 1,000 mammograms) and lowest among Hispanic women (22.3 per 1,000 mammograms). A recommendation for short interval follow-up, which entails additional imaging after six months, was most common among non-Hispanic Black women (31%). False-positive biopsy recommendations, where a tissue biopsy was recommended but no breast cancer was found in the tissue sample, were most common among Asian/Pacific Islander women (169.2 per 1,000 mammograms).

“Even though we found some differences between racial and ethnic groups that we evaluated, none of the mammogram practices fell below the minimal acceptable standards for diagnostic interpretation that were published in 2013,” said UNC Lineberger’s Sarah J. Nyante, PhD, MSPH, associate professor of radiology at UNC School of Medicine, adjunct assistant professor of epidemiology at the UNC Gillings School of Global Public Health and corresponding author of the article. “Our study is documenting differences in outcomes and giving us an understanding of how we can get better in terms of science and particularly, in delivering equitable healthcare.”

Reducing diagnostic disparities
The researchers determined that a woman’s individual characteristics, such as age and other factors, did not explain the racial/ethnic variations found in diagnostic mammography performance. They did conclude, however, that two other factors contributed to some of the disparities: the imaging facility itself and concurrent use of breast ultrasound or MRI during the diagnostic process. These data suggest interventions that target the imaging facility and use of additional imaging modalities could help in reducing some diagnostic disparities.

“If our study showed that a factor was particularly important and impacted disparities, we hope to develop a follow-up study where we can really dig into those details because there are many factors that could affect differences by facility,” Nyante said. “There are a lot of things that are within a facility’s control, including scheduling and hiring of accredited radiologists.”

Currently, many mammograms now utilize detailed three-dimensional imaging whereas, for the timeframe of this study, most mammograms were two-dimensional, making generalizations to current practice unclear and a factor that the researchers hope to follow up on in future research.
Publications | January - December 2022

ABDOMINAL IMAGING


BREAST IMAGING


Great Question! The Art and Science of Crafting High-Quality...
BREAST IMAGING CONTINUED

Multiple-Choice Questions.

Mentoring Medical Education Research: Guidelines from a Narrative Review.

Strengthening the Clinical Learning Environment by Mandate-Implementing the ACGME Common Program Requirements.

ACGME Diagnostic Radiology Milestones 2.0: the Time is Now.


Artificial Intelligence in Radiology Education: A Longitudinal Approach.

DeBenedectis CM, Jay AK, Jordan SG, Raybon CP, Robbins JB, Deitte LA. Acad Radiol. 2022 May;29 Suppl 5:S38-S42. PMID: 34108116.


Structured Reports and Radiology Residents: Friends or Foes?

In Seas of Change, a Call to Action: 2021 American Board of Medical Specialties Policy on Parental, Caregiver, and Medical Leave During Training.

It Takes a Village: A Multimodal Approach to Addressing Radiologist Burnout.

See One, Do One, Share One - Introducing Visual Abstracts in Journal Publication.

The Early Bird Gets the Work: Maintaining a Longitudinal Learner Portfolio From Medical School to Physician Practice.

Web-Based Radiology Learning Module Design: The Author Perspective.

A new search pattern for emergency breast exams: the clinical picture.

Online Hide and Seek: Allopathic US Medical Schools’ Radiology Education Virtual Presence.

Breast Imaging Boot Camp Meets Milestones 2.0: A Match Made in Clinic.

Structured Reporting: An Intervention to Improve Procedure Documentation in Breast Imaging.
CARDIOTHORACIC IMAGING

SARS-CoV-2 infection produces chronic pulmonary epithelial and immune cell dysfunction with fibrosis in mice.


Feasibility of a prototype carbon nanotube enabled stationary digital chest tomosynthesis system for identification of pulmonary nodules by pulmonologists.

MUSCULOSKELETAL IMAGING

Worse tibiofemoral cartilage composition is associated with insufficient gait kinetics after ACL reconstruction.

In vivo compositional changes in the articular cartilage of the patellofemoral joint following anterior cruciate ligament reconstruction.

Bone Bruising Severity After Anterior Cruciate Ligament Rupture Predicts Elevation of Chemokine MCP-1 Associated with Osteoarthritis.

NEURORADIOLOGY

Complete Response to Selpercatinib in a Patient with Recurrent Glioblastoma and RET Amplification.

Relationship between anterior pituitary volume and IGF-1 serum levels in Soldiers with mild traumatic brain injury history.

Academic Onboarding: A Practical Guide for the Junior, Early
NEURORADIOLOGY CONTINUED

Career Neuroradiologist.
Zamora C, Huisman T, Ho ML. Academic Radiology. 2022 Apr 9;S1076-6332(22)00190-8 (online ahead of print). PMID: 35414474

Editorial Comment: Imaging the Vulnerable Carotid Plaque and Thinking Beyond Stenosis.
Zamora C. AJR Am J Roentgenol. 2022 Mar;218(3):525. PMID: 34612683

Role of MRI and CT in the Evaluation of Headache in Pregnancy and the Postpartum Period.

Headache Attributed to Non-vascular Intracranial Disorder: Neoplasms, Infections, and Substance Abuse.

Diagnosis and Management of Endocrine Disorders in Interventional Radiology.

Clinical, laboratory, and radiological diagnosis of hypercortisolism. In: Commander C, Yu H, Burke C (eds). Diagnosis and Management of Endocrine Disorders in Interventional Radiology.
Guido P, Zamora C. Springer Nature. Switzerland AG.


Structural connectivity in children after total corpus callosotomy.

Reduced global longitudinal strain as a marker for early detection of Fabry cardiomyopathy.

PEDIATRIC IMAGING

Outcomes of Intermediate-Risk Hydronephrosis in Pediatric Patients.

Predictive Ability of the Braden QD Scale for Hospital-Acquired Venous Thromboembolism in Hospitalized Children.

Quality Improvement and Children’s Hospitals.

Altered biventricular function in neonatal hypoxic-ischaemic encephalopathy: a case-control echocardiographic study.

Fetal Brain Anatomy.

Sex-specific biomechanics and morphology of the anterior cruciate ligament during skeletal growth in a porcine model.


Age- and sex-specific differences in ACL and ACL bundle size during adolescent growth.


Patient and family experience with telemedicine and in-person
PEdiatric imaging continued


Cone-beam CT guided percutaneous transgluteal venous sac embolization in type II perirectal high-flow arteriovenous malformations. Lee SY, Kim KR. J Vasc Interv Radiol. 2022 Sep 24:S1051-0443(22)01215-5. PMID: 36167299.


Vascular and Interventional Radiology


Cone-beam CT guided percutaneous transgluteal venous sac embolization in type II perirectal high-flow arteriovenous malformations. Lee SY, Kim KR. J Vasc Interv Radiol. 2022 Sep 24:S1051-0443(22)01215-5. PMID: 36167299.


Pro: Fluoroscopic Guidance SHOULD Be Routinely Used to
VASCULAR AND INTERVENTIONAL RADIOLOGY CONTINUED

**Place Cerebrospinal Fluid Drains for Patients Undergoing Aortic Surgery.**

**Healthcare Disparities in Interventional Radiology.**

**How we approach complex vascular anomalies and overgrowth syndromes.**

**Utilization of and Outcomes Associated with Intravascular Ultrasound During Deep Venous Stent Replacement Among Medicare Beneficiaries.**

**Appropriate Use of Intravascular Ultrasound During Arterial and Venous Lower Extremity Interventions.**

**Short-, Mid- and Long-term Strategies to Manage the Shortage of Iohexol.**

**Short-Term Mitigation Steps During the Iohexol Contrast Shortage: A Single Institution’s Approach.**

**Tunneled Peritoneal Catheter vs Repeated Paracenteses for Recurrent Ascites: A Cost-Effectiveness Analysis.**

**Gender-Based Survey Analysis of Research and Mentoring in Interventional Radiology.**

**Uterine Artery Embolization for Symptomatic Adenomyosis: Proceedings from a Society of Interventional Radiology Foundation Research Consensus Panel.**

**Geniculate Artery Embolization: Role in Knee Hemarthrosis and Osteoarthritis.**

RADIOLOGICAL SCIENCES RESEARCH

**A robust core architecture of functional brain networks supports topological resilience and cognitive performance in middle- and old-aged adults.**

**High-Resolution 3D Magnetic Resonance Fingerprinting with a Graph Convolutional Network.**

**Bidirectional prediction of facial and bony shapes for orthognathic surgical planning.**

**Localization of Craniomaxillofacial Landmarks on CBCT Images Using 3D Mask R-CNN and Local Dependency Learning.**

**Brain Connectivity Based Graph Convolutional Networks and Its Application to Infant Age Prediction.**

**Diffusion Magnetic Resonance Imaging Using Slice-Interleaved Encoding.**

RADIOLOGICAL SCIENCES RESEARCH


Mother’s physical activity during pregnancy and newborn’s brain cortical development.

Breaking the boundaries of interacting with the human brain using adaptive closed-loop stimulation.

Functional brain activity is highly associated with cortical myelination in neonates.

Joint analyses of human milk fatty acids, phospholipids, and choline in association with cognition and temperament traits during the first 6 months of life.

Developmental abnormalities of structural covariance networks of cortical thickness and surface area in autistic infants within the first 2 years.

From descriptive connectome to mechanistic connectome: Generative modeling in functional magnetic resonance imaging analysis.

Mapping developmental regionalization and patterns of cortical surface area from 29 post-menstrual weeks to 2 years of age.

Identifying the regional substrates predictive of Alzheimer’s disease progression through a convolutional neural network model and occlusion.

Altered neural flexibility in children with attention-deficit/ hyperactivity disorder.

Enabling In Vivo Photocatalytic Activation of Rapid Bioorthogonal Chemistry by Repurposing Silicon-Rhodamine Fluorophores as Cytoplasmic Far-Red Photocatalysts.

Radiodynamic therapy with CsI(na)@MgO nanoparticles and 5-aminolevulinic acid.


Simulation of Postoperative Facial Appearances via Geometric Deep Learning for Efficient Orthognathic Surgical Planning.

Dual Adversarial Attention Mechanism for Unsupervised Domain Adaptive Medical Image Segmentation.

Path Signature Neural Network of Cortical Features for Prediction of Infant Cognitive Scores.

A 4D infant brain volumetric atlas based on the UNC/UMN baby connectome project (BCP) cohort.

Common variants contribute to intrinsic human brain functional networks.
RADIOLOGICAL SCIENCES RESEARCH CONTINUED


A PBPK model recapitulates early kinetics of anti-PEG antibody-mediated clearance of PEG-liposomes.

The Synthesis and Initial Evaluation of MerTK Targeted PET Agents.

Longitudinal brain atlases of early developing cynomolgus macaques from birth to 46 months of age.

Arene radiofluorination enabled by photoredox-mediated halide interconversion.


Development of 18F-Labeled Vinyl Sulfone-PSMAi Conjugates as New PET Agents for Prostate Cancer Imaging.


Calpain-mediated proteolysis of vimentin filaments is augmented in Giant Axonal Neuropathy (GAN) fibroblasts exposed to hypotonic stress.
Diversity, Equity & Inclusion

UNC Radiology 2022 Update

Maureen Kohi, MD, joined the UNC Department of Radiology in December 2020 as the first female Chair in the Department’s 70-year history. She is also the only female Radiology Department Chair in the country who is trained as a Vascular and Interventional Radiologist. Since her arrival, Dr. Kohi has prioritized diversity, equity, and inclusion throughout the Department. In addition, she has impacted DEI by adding intentional programs in the Department with a longitudinal focus on diversity recruitment.

Recruitment has been a significant focus for Dr. Kohi. Of the 18 faculty she has recruited who have joined the Department since her arrival, 50% of them are women, URM, and/or part of the LGBTQ+ community. Dr. Kohi believes trainees and potential trainees need to see themselves reflected in the faculty and leadership teaching and caring for them. Dr. Kohi firmly believes, “You can’t be what you can’t see.”

A significant shift can be seen in the Department from the top down, where senior leadership went from 33% women and people of color to 79% in the last 24 months. The division leadership is 95% women and people of color, and the Education Leadership is now at 67%. Overall, 37% of the Department’s faculty are women. This is particularly impressive, given that women comprise approximately 25% of practicing Diagnostic Radiologists and 10% of Vascular and Interventional Radiologists.

The department recently established the inaugural position of Vice Chair of Diversity and Health Equity, and Dr. Gloria Salazar, the former Division Chief of VIR, accepted the position. In her role, she will oversee the growth and expansion of our Castillo Scholars at UNC. In addition, she will be promoting global health, health inequity research, and the professional development of our women and URM faculty and trainees.

Dr. Kohi firmly believes that it’s not enough to simply recruit women and URM into the Department or the Leadership team. Instead, women and URM benefit from dedicated professional development and career advancement opportunities that will help their careers soar at UNC. To give Radiology women and minority faculty the opportunities to grow and develop their careers, Dr. Kohi secured an industry-sponsored grant funded by the “Women & Minority Leadership Development program.” Additionally, Dr. Kohi helped establish the Mauricio Castillo Summer Scholars Program, which is an outreach program that invites women and URM medical students between their first and second year of medical school to rotate in Radiology, among other specialties. This program aims to address racial and gender disparities among medical students across many medical specialties and serve as a mechanism to improve the recruitment of women and URM into specialties that have historically struggled with diversity and inclusion. When this program began a year ago, only four Departments were included: Radiology, Surgery, Urology, and Anesthesia. In its second year, much thanks to the support of the clinical Chairs, half the SOM clinical Departments are included. This program has had a notable impact not just within the Department of Radiology but in the larger scope of the UNC School of Medicine and the underrepresented minority student population in the medical school.

Dr. Kohi and UNC Radiology believe that a culture of diversity, equity, and inclusion is beneficial and integral to the success of the Department and the Institution, along with sustaining its mission well into the future. Therefore DEI continues to be a priority which is central to the core of the entire Radiology Team composed of our leaders, faculty, staff, and trainees.
Wednesday, July 27th we concluded the 2022 Mauricio Castillo, MD, Scholars Program with an Evening of Scholarship. UNC Medical Alumni Association sponsored the event at the Carolina Club, a celebration of the conclusion of the 8-week summer experiences of the 11 Castillo Scholars. At the event the scholars successfully showcased their summer research projects.

The Department of Radiology would like to give a special shout-out to our Radiology Castillo Scholars, Andrew Hiatt and Marinelda Perleshi.

Andrew presented his project, “Comparing reduced-dose dual-energy computed tomography (CT) against full-dose conventional CT in the setting of a global contrast shortage: a retrospective review and reader study.” Dr. Yueh Lee was Andrew’s research mentor on this project.

Marinelda presented her project “Evaluation of Sarcopenia to Predict Outcomes in Patients with Portal Hypertension Post-TIPS.” Dr. Clayton Commander was Marinelda’s research mentor on this project. Dr. Hyeon Yu also contributed to her project.

Best of Luck to Andrew, Marinelda, and the rest of the 2022 Castillo Scholars in their 2nd year of Medical School.

If you are interested in donating to our Castillo Scholars Fund, scan the qr code
2022 Strategic Planning Retreat

On Saturday, June 4th, 2022, UNC Radiology held a full-day Strategic Planning Retreat at the Kenan Center. The day was a mix of informational and interactive activities to help the department and its people connect and plan for the next five years.

The day began with breakfast as attendees made their way to the event, speaking with colleagues seated beside them and saying hello to others spread throughout the conference tables.

Kicking it Off

Dr. Maureen Kohi kicked off the event, looking back at where we’ve come and all we accomplished since her arrival in December 2020. She discussed our four pillars of Clinical, Research, Education, and Culture and talked about the many accomplishments achieved in each of those important areas. She also believes that with the right people, the right resources, and the right place, anything is possible, and at UNC Radiology, we have all those things, helping to make us the best in the Southeast.

Support from UNC Health

Wesley Burks, Dean of the UNC School of Medicine and CEO of UNC Health, said a few words to the team, sharing his perspective on the importance of Radiology in the overall framework of UNC Health. He reiterated his and the systems’ commitment to our department.

Group Survival

The tables then took part in a group activity that required them to work as individuals but make decisions as a team. The scenario - lost in the arctic and trying to survive, given a list of supplies and decisions to make. Dr. Kohi then walked the teams through ranking their gear. We then found out who survived, who would be lost to the wilderness (possibly eaten by other team members) and how working as a team makes all the difference.

Afternoon

The internal assessment team spent weeks before the strategy meeting collecting data through surveys and interviews. They shared their findings at the meeting. After lunch, Paul Marini discussed our established vision and strategic initiatives. Following his discussion, a special guest spoke to the group, Anson Dorrance, the UNC women’s soccer coach.

From there, teams split up to tackle specific challenges facing the department and then reconvened to share their insights with the group at large. Next, attendees walked around and used stickers to highlight what they thought were good ideas. The event helped to develop 15 tactics for our strategic plan. The day ended with a cocktail hour where people could relax and mingle.

Thank you to all who attended the event and for your invaluable input to help the Department continue to achieve even greater success! And special thanks to Paul Marini, Janel Kerley and Katina During for helping organize the event.
Welcome New Faculty

HOLLINS CLARK
PROFESSOR, THORACIC IMAGING
Started 1/1/22

KERRY THOMAS
CHIEF & ASSOCIATE PROFESSOR, ABDOMINAL IMAGING
Started 1/1/22

NICOLE KEEFE
ASSISTANT PROFESSOR, VIR
Started 1/1/22

CAROLINA GUIMARAES
CHIEF & PROFESSOR, PEDIATRIC IMAGING
Started 2/1/22

Dr. Clark earned his medical degree from the Medical University of South Carolina. He completed his diagnostic radiology residency at the University of Virginia, where he also received a Master of Science in Epidemiology. He then completed abdominal imaging, cardiothoracic imaging, and vascular and interventional radiology fellowships at Wake Forest University Baptist Medical Center.

Some of his recent research has been on the “Presentation and Diagnosis of Acute Pulmonary Embolism in COVID-19 Patients” and “Quality and Safety Improvement Project: Identification and Management of Patients with Interstitial Lung Disease.”

Dr. Thomas completed her medical degree, diagnostic radiology residency, and an abdominal/body fellowship at the University of South Florida Morsani College of Medicine in Tampa, FL.

Dr. Thomas has specialty training in body imaging, including the gastrointestinal and genitourinary systems. In addition to her clinical focus in abdominal imaging, she is passionate about education and embraces the opportunity to teach the next generation of doctors and help patients and families better understand their medical conditions. She is also interested in improving the patient experience, quality initiatives, and addressing wellness and burnout in healthcare providers.

Dr. Keefe earned her medical degree from SUNY Upstate Medical University in 2014. She then completed her residency at the University of Virginia in 2020 in a combined diagnostic and interventional radiology program.

Dr. Keefe’s specialty within interventional radiology focuses on women’s health, complex IVC filter removals and endoleaks.

She believes that physicians should first “do no harm.” She tries to ensure that the procedures she offers are the highest benefit with the lowest risk possible. It’s important to her that her patients understand the treatment options available to them for each disease pathology in order to make a well-informed decision.

Dr. Guimaraes earned her medical degree from the Universidade de Caxias do Sul, Brazil. She then completed her Diagnostic Radiology residency at the Hospital Mae de Deus in Porto Alegre, Brazil, and her fellowships in pediatric radiology research, pediatric radiology, and pediatric neuroradiology at Cincinnati Children’s Hospital Medical Center.

Following her training, Cincinnati Children’s Hospital Medical Center recruited Dr. Guimaraes to join their faculty. Dr. Guimaraes joined UNC in January 2022. Her research interests lie within pediatric neuroradiology, including fetal and neonatal imaging. Aside from her clinical work, she is also interested in quality improvement and education.
Dr. Pietryga completed medical school at Washington University in Saint Louis. After completing his radiology residency training at the Warren Alpert Medical School of Brown University, he completed an abdominal imaging fellowship at the Duke University Medical Center.

Before joining UNC, he was an associate professor in the emergency radiology section at the University of Alabama at Birmingham. Clinically, Dr. Pietryga practices a broad spectrum of imaging ranging from emergency imaging to specialized abdominal/pelvic imaging and intervention. His research interests include bariatric imaging, liver MRI, prostate MRI, and image-guided intervention. He is an associate editor for Abdominal Radiology.

Dr. Mossa-Basha spent 10 years at the University of Washington School of Medicine as Vice Chair of Clinical Operations, the Chief of Radiology, and the director of MRI across the enterprise.

Dr. Mossa-Basha has received multiple research grants from the NIH, the Department of Defense, the Association of University Radiologists, the Radiological Society of North America, the American Society of Neuroradiology, and several commercial vendors as PI, multiple PI or co-Investigator. He was one of the earliest adopters of intracranial vessel wall MRI in clinical practice. He also has contributed to advancements in MRI sequence development, imaging post-processing, and imaging quantitation.

Dr. Gruden received his BA from the University of Notre Dame in 1983 before earning his Medical Degree from the University of Miami in 1987. Dr. Gruden completed his Diagnostic Radiology residency at Cornell Medical Center. He then continued his studies at the University of California-San Francisco, where he completed his Fellowship in Thoracic Imaging.

His primary experience is in cardiothoracic CT, CT protocol optimization, and CT image post-processing. Some of his specific interests center on high-resolution imaging of diffuse lung disease and the imaging findings in infiltrative lung disease, imaging of the pulmonary vasculature, and lung cancer screening and post-treatment assessment.

Dr. Hazelton received his Medical Degree from the University of South Florida in 1993 and stayed on to complete his Diagnostic Radiology residency. He then continued his studies at the University of Colorado- do in Denver, completing his Fellowship in Thoracic Imaging in 1998.

After fellowship, Dr. Hazelton accepted a position as an Attending Thoracic Radiologist and Assistant Professor at the H. Lee Moffitt Cancer Center & Research Institute at the University of South Florida. He remained at USF for over two decades.

He has written multiple articles for peer-reviewed journals and has been a corporate author as a National Lung Screen Trial Research Team member.
Welcome New Faculty

LANE DONNELLY
PROFESSOR, PEDIATRIC IMAGING

Started 5/31/22

Lane F. Donnelly MD is currently the Director of Quality at UNC Children’s Hospital and Executive Medical Director, Pediatric Population Health & Quality at UNC Health.

Dr. Donnelly has been an NIH-funded researcher, has published over 295 peer review manuscripts that have been cited over 11,500 times, and has authored multiple textbooks, including Pediatric Imaging: The Fundamentals, a lead-selling textbook on pediatric imaging. Many improvement projects for which he was a contributor have received multiple national recognitions including International Quality Radiology Network’s Quality-Improvement in Radiology Practices Paper Competition: Annual Award 2008 (Paper of the Year).

WEILING ZHAO
ASSOCIATE RESEARCH PROFESSOR, RADIOLOGICAL SCIENCES

Started 5/31/22

Dr. Zhao has over 20 years of experience in radiation and cancer biology, with an emphasis on studying the role of oxidative stress in disease pathogenesis and demonstrating the mechanism(s) associated with tumor development and potential targets for the treatment of cancers. Dr. Zhao has published over 80 peer-reviewed papers since 2000 on cellular and molecular aspects of diseases and is serving as PI or CO-I on NIH, industry, and foundation-supported research grants. She has worked closely with biomedical informatics and systems biologists in numerous studies in the past several years and participated in data collection, signaling analysis, biological explanation, and validation. She has demonstrated a record of productive research in the radiation and cancer research field.

MICHAEL WINKLER
PROFESSOR, CARDIOVASCULAR RADIOLOGY

Started 7/1/22

Dr. Winkler earned his medical degree from the University of Chicago Pritzker School of Medicine in 1998. He completed a diagnostic radiology residency at the University of California Los Angeles Geffen School of Medicine in 2004. He completed his Cardiovascular and Interventional Radiology Fellowship from the same institution in 2006.

In 2009 Dr. Winkler became an Assistant Professor at the University of Kentucky, where he spent 11 years of his career. While at UK, he co-founded an interdisciplinary medical volumetric visualization and fabrication lab in the university’s School of Art and Visual Studies, where imaging files can be changed into 3D replicas of internal organs. He still holds an appointment there.

GIRISH GANDIKOTA
VICE CHAIR OF INPATIENT OPERATIONS AND PROFESSOR, MSK

Started 7/16/22

Dr. Gandikota obtained board certifications in surgery (F.R.C.S.) and Radiology (F.R.C.R.) in the U.K. He did his fellowship in Musculoskeletal Radiology at McMaster University, Hamilton, Ontario, Canada. After the fellowship, he joined the University of Michigan as a lecturer and was most recently a Professor of Radiology before joining UNC.

Dr. Gandikota has been an invited speaker, delivering more than 300 invited lectures and national presentations. He has over 75 scientific papers/exhibits in national conferences and over 68 peer-reviewed publications to date. His main research interests include M.S.K. Ultrasound, Sports Medicine, and Arthritis. He is a co-investigator in a NIH R01 Grant ($3,545,507) on Arthritis.
Dr. Woodard completed an MSTP program (combined MD/PhD degree) at the University of Pittsburgh, with her PhD in Epidemiology evaluating novel risk factor associations for subclinical cardiovascular disease. She completed a diagnostic radiology residency and a one-year breast imaging fellowship at the University of California San Francisco.

Her academic interests include breast imaging findings following COVID-19 vaccination, an educational review on breast infections, and tips on challenging breast procedures. Research has included imaging guidelines in patients with prior mastectomies, targeted breast ultrasound in pregnant patients, breast imaging in breastfeeding women, and breast imaging in male patients.

Dr. Mody graduated from St. George’s University School of Medicine in Grenada before completing her internship in General Surgery at The Brooklyn Hospital Center in Brooklyn, NY, staying on for a second year of General Surgery training afterward. She subsequently completed a residency in Diagnostic Radiology at Morristown Medical Center in Morristown, NJ. Dr. Mody, a North Carolina native, returned to the University of North Carolina at Chapel Hill to complete an independent residency in Vascular & Interventional Radiology.

Dr. Mody’s clinical interests include interventional oncology, pain management interventions, and women’s health. Her research interests include education, community medicine, and quality improvement.

Dr. Pryor earned his medical degree from the Medical University of South Carolina in 2016. He completed a surgical internship and diagnostic radiology residency at Penn State Health in 2021. He then completed a Pediatric Radiology Fellowship at Children’s Hospital Colorado in 2022.

While in training, he participated in several research projects, including “Many a slip twixt the cup and the lip: A novel review of MRI appendicitis steps” and “Scurvy’s voyage: Recognition of imaging findings in the modern era.” He has been published in several journals and presented domestically and internationally at conferences. His research interests range from contrast-enhanced ultrasound to developing spaced learning programs.

Dr. Sippo completed fellowships in Breast Imaging and Imaging Informatics at Brigham and Women’s Hospital. In addition, Dr. Sippo is a Certified Imaging Informatics Professional and Subspecialty Board Certified in Clinical Informatics. She has experience in natural language processing and artificial intelligence, structured reporting, clinical data mining for quality improvement and research, clinical decision support, critical results tracking and communications, and development, implementation, and evaluation of informatics tools within clinical workflow.

Dr. Sippo’s research interests include implementing informatics tools in clinical radiology and optimizing breast cancer screening performance, particularly mammography and breast MRI.
Welcome New Faculty & Staff

STACY O’CONNOR
ASSOCIATE PROFESSOR, ABDOMINAL IMAGING AND ASSOCIATE VICE CHAIR OF INFORMATICS AND QUALITY

Started 9/26/22

Dr. O’Connor received her bachelor’s degree from MIT in 2000 before earning her Medical Degree from Mount Sinai School of Medicine in New York in 2006. She completed her internship at Leigh Valley Hospital in Pennsylvania before moving on to a Radiology Residency at The University of Wisconsin. She continued her education with an Abdominal Imaging and Intervention and Informatics fellowship at Brigham and Women’s Hospital, which she completed in 2013. During that time, she also received her Master’s in Public Health from Harvard School of Public Health and a Master of Medical Science with a dual concentration in clinical informatics and imaging informatics from Harvard Medical School.

JESSICA BARBEE
Research Assistant

jessica_barbee@med.unc.edu
(919) 966-1411
role: data abstraction, data management, sample request and tracking; and documenting study and data abstraction procedures.

SHEERAH COE
Communications & Marketing Manager

sheerah_coe@med.unc.edu
(954) 540-1900
role: communications and marketing including website, social media, newsletter, and design support.

JOHN MONGE, MD
ASSISTANT PROFESSOR, BREAST IMAGING

Started 11/7/22

Dr. John Monge is originally from Trujillo Alto, Puerto Rico. He is a graduate of the University of Illinois, where he obtained both his bachelor’s and medical degrees. He completed his Diagnostic Radiology residency at Advocate Illinois Masonic Medical Center in downtown Chicago. Afterward, he trained at the University of North Carolina as a Breast Imaging Fellow. After his fellowship, he accepted a position in private practice with Raleigh Radiology before coming back to UNC. Dr. Monge’s interests are serving underrepresented populations and medical education. His hobbies include baseball, basketball, hiking, and spending time with his family.

NICOLE CLAYTON
Administrative Support Associate

nclayt@email.unc.edu
(919) 966-6646
role: administrative support for Breast, MSK, and MIT

LOUIS COUDURIER
Research Associate/Analyst

louis_coudurier@med.unc.edu
(919) 966-8016
role: data management and analysis support to the Epidemiology Research Team
Welcome New Staff

JOSEPHINE MUIRURI
Accountant

GINA PIETRYGA
Administrative Support Associate

carinpietryga@med.unc.edu
(919) 966-4292
role: administrative support for Neuroradiology and Pediatric divisions

ALLISON SPEAGLE
Student Services Specialist

allison_speagle@med.unc.edu
(919) 445-6985
role: provides day to day administrative support to the Diagnostic Residency Program.

CARLY SRONCE
Nurse Consultant - Research Team

carly_sronce@med.unc.edu
(919) 966-3262
role: Provides nursing support and study coordination for the Clinical Research Division

Promotions

TERRY HARTMAN
Administrative Director for Clinical Research

DESMA JONES
Associate Director, Clinical Research Operations

ARLIN WILL
IR Residency Program Coordinator

MARKEELA LISCOMBE
Lead Clinical Research Coordinator
Community Engagement

October 18: Women in Radiology Dinner with Special Guests Drs. Ruth Carlos and Sharmila Majumdar

November 15: Faculty Leadership Dinner

Resident Retreat

TarHeel Paw Visit

Happy hour after block

HALLOWEEN HIGH JINKS

I would like to see the baby

UNC Radiology Images Newsletter - December 2022 www.med.unc.edu/radiology
Highlights and Honors

**BENJAMIN BROWN, MD**
*PGY 3 Integrated Interventional Radiology Resident*
Selected for the RSNA/AUR/ARRS Introduction to Academic Radiology (ITAR) Program.

**LANE DONNELLY, MD**
*Professor, Pediatric Imaging*
He, along with a board member and long time supporter of Stanford, had the honor of a Seed Grant named for him: Lillie and Donnelly Seed Grant Program.

**MAURICIO CASTILLO, MD**
*Matthew A. Mauro, M.D. Distinguished Professor, Neuroradiology*
Selected as the American Roentgen Ray Society (ARRS) 2020 Gold Medal recipient.

**CLAYTON COMMANDER, MD**
*Assistant Professor, VIR*
Selected to participate in the 2022-2023 RSN Advanced Course in Grant Writing.

**LAUREN BURKE, MD**
*Associate Professor, Abdominal Imaging*
Received her FSAR, Fellow of Society of Abdominal Radiology, designation.

**MICHELE CLARK**
*Administrative Specialist*
Won the 2022 Vickie Holland Memorial award.

**JAY CRAWFORD**
*Informatics Manager*
Guest expert on the Society for Imaging Informatics in Medicine (SIIM) Podcast Series, Season 5, Episode 12 on Data Storage.

**TONYA EDGE**
*Business Systems Analyst*
Inducted as a member into the American Board of Imaging Informatics & Society for Imaging Informatics in Medicine (SIIM) Diversity, Equity & Inclusion (DEI) Committee. Became a trustee in the American Board of Imaging Informatics (ABII) Board of Trustees.
SARAH EDWARDS
Administrative Support Specialist to Executive Vice Chair
Won the 2021 Staff Outstanding Performance Award.

JOSEPHINE FINAZZO, MD
Assistant Professor, Abdominal Imaging
Inducted as a new member of the UNC Academy of Educators. Promoted to Co-Director of the Abdominal Fellowship.

LYNN FORDHAM, MD
Professor, Pediatric Imaging
Appointed Assistant Editor of Pediatric Radiology for the Journal Radiographics.

TYLER GLASS, MD
PGY 3 Diagnostic Radiology Resident
Selected for the RSNA/AUR/ARRS Introduction to Academic Radiology (ITAR) Program.

JAMES GRUDEN, MD
Professor, Thoracic Imaging
Chief Question Editor for the MoC exam in Thoracic Imaging for a two year term & Director of the ACR committee of Body Imaging Economics. Accepted position as Vice Chair of Ambulatory Imaging Operations.

LOUISE HENDERSON, PhD
Professor, Epidemiology Research
Selected by the Academy For Radiology & Biomedical Imaging to receive the Academy’s 2022 Distinguished Investigator (DI) Award.

RACHEL HITT, MD
Associate Professor, Breast Imaging
UNC Academy of Educators Recognized her as a 2021 – 2022 Graduate: Passing the Torch. Accepted position as Director, Patient Experience and Clinician Wellness and Breast Imaging Fellowship Director.

JAMES GRUDEN, MD
Professor, Thoracic Imaging
Chief Question Editor for the MoC exam in Thoracic Imaging for a two year term & Director of the ACR committee of Body Imaging Economics. Accepted position as Vice Chair of Ambulatory Imaging Operations.

JOSEPH J.T. LEE, MD
Professor & Chair Emeritus
Honored for his significant contributions to the advancement of radiology in the areas of patient care, education and research at the Evans Society Alumni Gala.

GANG LI, PhD
Associate Professor, Radiological Sciences
Selected by the Academy For Radiology & Biomedical Imaging to receive the Academy’s 2022 Distinguished Investigator (DI) Award.

ZIBO LI, PhD
Professor, Radiological Sciences
Selected by the Academy For Radiology & Biomedical Imaging to receive the Academy’s 2022 Distinguished Investigator (DI) Award.
KASSIE MCCULLAGH, MD  
Assistant Professor, Neuroradiology  
Selected for RSNA’s Introduction to Academic Radiology for Junior Faculty (ITARJF) Program. New Associate Chair of UME.

DAVID MAURO, MD  
Chief & Associate Professor, VIR  
Promoted to the rank of Division Chief of VIR.

KASSIE MCCULLAGH, MD  
Assistant Professor, Neuroradiology  
Selected for RSNA’s Introduction to Academic Radiology for Junior Faculty (ITARJF) Program. New Associate Chair of UME.

DAVID MAURO, MD  
Chief & Associate Professor, VIR  
Promoted to the rank of Division Chief of VIR.

DANIEL NISSMAN, MD  
Chief & Associate Professor, Musculoskeletal Imaging  
Appointed Associate Editor of Radiology: Artificial Intelligence.

SARAH J. NYANTE, PHD  
Assistant Professor, Epidemiology Research  
Newest Member of the Council of Early Career Investigators in Imaging.

KRISTEN OLINGER, MD  
Assistant Professor, Abdominal Imaging  
Inducted as a new member of the UNC Academy of Educators.

GLORIA SALAZAR, MD  
Associate Professor, VIR  
Inaugural Vice Chair of Diversity and Health Equity

BENJAMIN SMITH, MD  
Assistant Professor, Pediatric Imaging  
Appointed the new Director of Education for Pediatric Imaging

KERRY THOMAS, MD  
Chief & Associate Professor, Abdominal Imaging  
Accepted into the SCARD-GE Leading Empowering and Disrupting (LEAD) Program.

PEW-THIAN YAP, PhD  
Associate Professor, Radiological Sciences  
Selected by the Academy For Radiology & Biomedical Imaging to receive the Academy’s 2022 Distinguished Investigator (DI) Award

HYEON YU, MD  
Professor, VIR  
Received his FSIR, Fellow of Society of Interventional Radiology, designation.

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Assistant Professor, Neuroradiology  
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GLORIA SALAZAR, MD  
Associate Professor, VIR  
Inaugural Vice Chair of Diversity and Health Equity

BENJAMIN SMITH, MD  
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Associate Professor, Radiological Sciences  
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HYEON YU, MD  
Professor, VIR  
Received his FSIR, Fellow of Society of Interventional Radiology, designation.
Awards & Recognition

DIANE ARMAO, MD
Clinical Research Faculty

She was awarded a grant from Hanna’s Hope Fund (HHF) for her project “Neuropathologic characterization of a new mouse model of giant axonal neuropathy (GAN).” The grant is in the amount of $62,589 from 7/1/2022 through 6/30/2023.

MINGXIA LIU, PHD
Assistant Professor and Director of the (MAGIC) Lab, Radiological Sciences

She was awarded a NIH R01 grant for her project titled, “Multi-Site Neuroimage Harmonization for Personalized Brain Disorder Analysis.” The grant is in the amount of $1,405,587 from 5/1/2022 - 4/30/2025.

JORGE OLDAN, MD
Associate Professor, MIT

Awarded a Research Seed Grant from RSNA in the amount of $40,000 for his project entitled, “18-fluorofuranylprogesterone (FFNP) PET/CT as a potential biomarker of response to progesterone therapy in complex atypical hyperplasia (CAH) and grade 1 endometrial cancer (EC).”

RACHEL HITT, MD
Associate Professor, Breast Imaging

and her Co-Director Loretta Muss, received a UNC Gillings School of Public Health Capstone Grant! The master’s capstone is a year-long service-learning course that gives students an opportunity to apply the knowledge and skills gained in the first year.

KATRINA MCGINTY, MD
Associate Professor, Abdominal Imaging

Awarded the Radiological Society of North America Derek Harwood Nash International Educational Scholars Grant in the amount of $75,000. The grant provides funding for investigators whose focus is advancing radiologic education internationally.

PEW-THIAN YAP, PhD
Associate Professor, Radiological Sciences

Received a NIH R01 grant in his role as Consortium PI entitled, “Development of Magnetic Resonance Fingerprinting in Kidney for Evaluation of Renal Cell Carcinoma.” The total budget for 5 years is $2.5 million with UNC receiving $663,357. The project started 1/9/2022.
Matthew A. Mauro Alumni Society

We are pleased to announce the Matthew A. Mauro Alumni Society, the UNC Department of Radiology’s newly created alumni society. The goal of the organization is to provide an opportunity for the social and scientific reunion of the current and former Residents, Fellows, and Faculty members of the Department of Radiology. The society also offers financial support to our current trainees. The society also offers financial support to our current trainees through our Education Fund by providing financial assistance that would otherwise not be available to expand and enhance their educational experience. Through the Society, we honor the legacy of Matthew A. Mauro, the James H. Scatliff Distinguished Professor of Radiology.

New Lectureships

MATTHEW MAURO, MD
VASCULAR INTERVENTIONAL RADIOLOGY

Dr. Mauro is the James H. Scatliff Distinguished Professor of Radiology, the President of the UNC Faculty Physicians, and is chair of the Radiological Society of North America (RSNA) Board of Directors. Dr. Mauro has devoted his career to supporting the department through its multiple efforts especially through the continued education of our trainees and faculty. A prolific researcher, Dr. Mauro has published over 150 journal articles and numerous book chapters. He has served as principal or co-investigator on numerous funded grants, including several grants focused on diagnostic atherosclerosis imaging and treatment of complex pathology of the descending thoracic aorta.

PAUL MOLINA, MD
CARDIOTHORACIC IMAGING

Dr. Molina was a professor and served as Executive Vice Chair of the Department for many years. His principal areas of interest and expertise were in thoracic radiology with special interests in lung cancer, trauma and 3-D imaging. He authored or co-authored over 65 original scientific publications and 11 book chapters on topics ranging from thoracic neoplasms and trauma to variants of normal anatomy and pitfalls in body imaging. Dr. Molina was recognized for exceptional talent as an educator of medical students and radiology residents as the recipient of numerous Dean’s Excellence in Teaching and Teacher-of-the-Year awards at the University of North Carolina School Of Medicine.

JOSEPH KT LEE, MD
ABDOMINAL IMAGING

Dr. Joseph K.T. Lee was a Mallinckrodt-trained GI/GU Radiologist. He became the third Chair of UNC Radiology. Dr. Lee reorganized the clinical enterprise into eight discrete divisions. Under his direction, new equipment was acquired and space was renovated to accommodate expanding clinical programs. He oversaw the establishment of fellowship programs in Abdominal Imaging, Breast Imaging, Neuroradiology, Nuclear Medicine, and Vascular/Interventional Radiology, as well as the creation of a Division of Research. Our Abdominal Imaging section continues to benefit from Dr. Lee’s vast clinical experience and expertise.

To donate to our new society and help fund our education opportunities scan the qr code
2022 RSNA Alumni Reception

On Monday, November 28, 2022, UNC Radiology hosted its first RSNA Alumni Reception in Chicago! Alums from all over the country joined current faculty and trainees for a time of celebration and reconnection.

At the inaugural event, UNC Radiology hosted nearly 40 alumni, faculty, and trainees at the Siena Tavern. It was a meaningful time seeing familiar faces, building new relationships, and celebrating UNC Radiology’s strong presence at RSNA 2022.

The event also honored our past UNC Radiology Chair and the current President of UNC Faculty Physicians, Matthew A. Mauro, MD, for his service and leadership for RSNA. During the 2022 RSNA conference, Dr. Mauro concluded his time as Chair of the RSNA Board of Directors and began his new role as President of RSNA starting December 1, 2022, for the upcoming year.

The Department of Radiology would like to thank everyone who joined the UNC Radiology RSNA Alumni Reception. Our alumni are a cornerstone of UNC Radiology, as they represent our past, present, and future. In 2023, we will continue to fortify this network and hope for more to join our RSNA Alumni Reception next year!
Vision
To be the premier Department of Radiology in the Southeast through the delivery of compassionate clinical excellence, advancing healthcare through innovation, and training the future generation of radiologists.