Welcome Justin Starren, MD, PhD, FACMI

Justin Starren, MD, PhD, FACMI
Professor, Medical Imaging (Tenured)
Director, Center of Biomedical Informatics and Biostatistics

2010-2023: FEINBERG SCHOOL OF MEDICINE, NORTHWESTERN UNIVERSITY
Professor and Division Chief, Health and Biomedical Informatics
Director, Center for Biomedical Informatics and Data Science (CBIDS)
Deputy Director, Northwestern University Clinical and Translational Sciences Institute

2006-2010: MARSHFIELD CLINIC RESEARCH FOUNDATION
Director, Biomedical Informatics Research Center & Tenured Senior Research Scientist

1988-2006: COLUMBIA UNIVERSITY SCHOOL OF MEDICINE
Assistant, Associate Professor, Departments of Biomedical Informatics and Radiology
Research Fellow/Associate Research Scientist in Medical Informatics
Radiology Residency

EDUCATION
PhD, Columbia University, Medical Informatics
MD, Washington University
BA, Biology, Washington University
CONGRATULATIONS

• Professor Russ Witte was selected to serve on the inaugural standing study section for the NIH Brain Initiative (NINDS), "BRAIN Review: New Technologies and Optimization."

• Dr. Witte was also elected by Uarizona Senators to serve on the University of Arizona's Shared Faculty Governance Committee (FY24-5)
Many congratulations to the Warhadpande family!

Baby girl Roohi was born on **November 17** at **1:29 am** weighing in at **5 lbs.**
Many congratulations to the Natali family!

Baby girl Sienna arrived healthy and strong
November 14

Stefano Natali, DO
3rd Year DR Resident and Proud Father
MI administrative staff member **Lexy Torres** has been promoted to Administrative Associate.

In her new role, Lexy will provide vital Research support to the team. Key responsibilities include travel support, reimbursements, and research supply orders. Additionally, she has kindly agreed to help us cover her current role until we hire her replacement.

Congratulations, Lexy!
Celebrating Our Amazing Technologists

Thursday, Nov. 9
Banner leaders Jamie Crooks, Geoff Rubin and Michelle Faull (above) enjoyed serving a catered lunch to the team at B-UMCT.
Shamar Young accepted the invitation to join the editorial team of Cardiovascular and Interventional Radiology (CVIR).
**Dedicated Cone-Beam Breast CT: Reproducibility of Volumetric Glandular Fraction with Advanced Image Reconstruction Methods.**
Vedantham S, Tseng HW, Fu Z, Chow HS.
Tomography. 2023 Nov 2;9(6):2039-2051.
[https://doi.org/10.3390/tomography9060160](https://doi.org/10.3390/tomography9060160) PMID: 37987346; PMCID: PMC10661286.

**Contrast-enhanced breast computed tomography: can lymph node metastasis be predicted from primary tumor?**
CT-guided Pudendal Nerve Cryoneurolysis for Palliation of Malignancy-induced Pelvic Pain

CT-guided Bilateral Pudendal Nerve Cryoneurolysis, a new treatment, is being studied to determine if it can help patients suffering from severe and long-lasting pelvic-area pain caused by cancer. Patients will be closely followed and observed to gather information about treatment efficacy and potential side effects.

Percutaneous Image-guided Cryoneurolysis involves the use of very cold temperatures to address the nerves causing the pain.

Learn more: NCT06110065
PUBLICATIONS


Cryoablation in the Liver: How Accurately Does the Iceball Predict the Ablation Zone?


Non-contrast-enhanced computed tomography (CT) performed during a cryoablation demonstrating how measurements were made in the long axis (LA) (a black arrow), perpendicular transverse (PTR) (a white arrow), and perpendicular craniocaudal (PCC) (b black arrow)
MI Chair Geoff Rubin’s Podcast Project series is featured in the ACR Bulletin (December)

**Centennial Perspectives: A Look at Radiology From All Sides**
A Radiology Leadership Institute (RLI) podcast project looks at two generations of radiologists — those with decades of experience and those with less than 10 years in practice.

**Centennial Perspectives: Longtime Radiologists Recall the Past and Welcome the Future**
Five experienced radiologists look back at how far the specialty has come and what will continue to evolve within radiology in the coming years.

**Centennial Perspectives: Rising Leaders in Radiology Look at How the Specialty Will Evolve**
Four rising radiology leaders share their most rewarding experiences in the field so far, and their goals for themselves and the future of radiology.

**Behind the Microphone With Geoffrey D. Rubin, MD, MBA, FACP**
Host of the RLI podcast project weighs in on thought-provoking similarities and differences in the views of two sets of panelists in special episodes of Taking the Lead.

Geoffrey Rubin, MD, MBA, FACP, FAHA, FSABI, FNASC
Traveling Gallstones: Review of MR Imaging and Surgical Pathology Features of Gallstone Disease and Its Complications in the Gallbladder and Beyond.
Gabriel Duhancioglu, Hina Arif-Tiwari, Stefano Natali, Conner Reynolds, Neeraj Lalwani & Ann Fulcher

Emphysematous Cholecystitis:
T2-weighted axial image (A) with fat suppression shows a distended gallbladder with multiple T2-hypointense gallstones within the gallbladder neck and one in the common bile duct (A, interrupted arrow). An air-fluid level as well as emphysematous changes within the gallbladder wall (A, arrows) (B, arrows, post-contrast T1).
Gross specimen (C) of cholecystectomy with multiple small gallstones and multiple foci of gas bubbles filled in the gallbladder wall. Gross specimen image (D) of cholecystectomy with aspiration of the wall demonstrating gas.
Sam Rogers was invited to present at the American Society of Neuroradiology Webinar Series held November 15, 2023.

This is a very prestigious event that is offered to only a select number of radiologists who demonstrate meaningful and important contributions to the field of neuroradiology.

"Neurographics Case Conversations: Spectrum and Mimics of Brain Surface Enhancement on Postcontrast FLAIR Images," is available to view online.
Annual Meeting Presentations: RSNA

► Geoff Rubin, MD, MBA, FACR, FAHA, FSABI, FNASC
ITARJF: Ask the Chairs | MEIR18
Tuesday, Nov 28 1:45 PM CST
Hot Topics in Coronary CTA in 2023 | W6-CCA09
Wednesday, Nov 29 1:30 PM CST
Quantitative Atherosclerotic Plaque Imaging: Pushing the Limits with CAD RAD 2.0

► Srinivasan Vedantham, PhD, DABR, FAAPM
Physics (Diagnostic X-ray) | S4-SSPH02
Sunday, Nov 26, 1:00 PM CST
AMA PRA Category 1 Credits™: 1.00
ARRT Category A+ Credits: 0

► Mihra Taljanovic, MD, PhD, FACR
Musculoskeletal Imaging (Tumors of Bone and Soft Tissue) | R3-SSMK11
Thursday, Nov 30, 9:30 AM CST
Hina Arif-Tiwari, MD, FSAR, Assistant Dean, Women in Medicine and Science (WIMS) Program, COM-T (pictured on the left in images and in the Leadership group photo) presented “Spurring Successful Women in Medicine and Science” during a recent AAMC meeting. This program was recently launched at the University of Arizona.
PRESENTATIONS

▶ Presentation at the 35th annual meeting of the American Society of Emergency Radiology (ASER) held October 18 – 21 in San Diego, California

▶ Series of four lectures as part of the Emergency Radiology Course at the American College of Radiology Education Center held October 25 – 27 in Reston, Virginia

▶ Invited Virtual Visiting Professor presenting at the Department of Radiology NYU Grossman Long Island School of Medicine on November 14

▶ Invited lectures (2) at the National Diagnostic Imaging Symposium in Orlando December 3-7. Presentations: “Neck and Face Infections" & "Cervical Spine Injuries"
Shamar Young gave several lectures at the AIM Symposium held in New York November 13-19.

**SESSION 5: CONTROVERSIES AND CASE PRESENTATIONS IN RENAL, LUNG AND THYROID CANCER** - presenter

- Indications And Technique For Ablative Therapy Of Thyroid Nodules
- Indications, Anatomy And Techniques For Thyroid Embolization

**SESSION 15: WORKSHOP 4 (HANDS-ON)** - panelist

- Oncology: Y90, TACE, Ablation
Interventional Radiology Division Chief, Shamar Young, MD, and faculty member Greg Woodhead, MD, PhD, were invited to participate in the Cholangiocarcinoma 2023 Tucson Regional Symposium held on Friday, December 8 at the Health Sciences Innovation Building.

Look for the sessions on the Cholangiocarcinoma Foundation YouTube page.
Pediatric Interventional Radiologist David Aria shared his expertise for a recent Banner Blog article about children & feeding tubes.

Dr. Aria discusses types of feeding tubes, when they are recommended, and best practices for caregivers to manage these devices at home.

Read the article, Help Your Child Thrive: A Guide to Tube Feeding for Parents

David Aria, MD, MBA
OUTREACH

Medical Imaging participated in the Fall 2023 Healthcare Career Fair for high school students, *Pathways to Success*.

Students from underserved Tucson communities learned about different fields within medicine (MD/DO, nursing, respiratory therapy, physical therapy, speech therapy, occupational therapy, MA, etc.).

Participants gained hands-on experience with a sonogram under the guidance of the IR/DR Residents and the IR Technologists.

This bi-annual event is held at Banner University Medical Center – South.

Nov. 14, 2023
Medical Imaging participated in the healthcare career fair for high school students, *Pathways to Success*
Chris Miller, DR Residency Associate Program Director, hosted another insightful Journal Club meeting. Presentations were given by Dallin Christensen (R5), Guillermo Alfonso (R5) and Audrey Nisbet (R4) (pictured, right).
MI Lectures

DIVERSITY, EQUITY AND INCLUSION
Supporting Underrepresented Persons in Radiology

November 8, 2023
12 noon - 1 pm
Attend in person, COM-T 2117 or via Zoom

Sarah Placek, DO
IR-Integrated Resident

GRAND ROUNDS
Generative Models in Medical Imaging

November 15, 2023
12 noon - 1 pm
Attend in person, COM-T 2117 or via Zoom

Ali Bilgin, PhD

GRAND ROUNDS
Why Sleep Matters and How Radiologists Can Get More of It

November 29, 2023
12 noon - 1 pm
Attend in person, COM-T 2117 or via Zoom

Patricia Haynes, PhD, CBSM, DBSM

GRAND ROUNDS
The Role of Imaging in the Treatment of Brain Tumors

December 6, 2023
12 noon - 1 pm
Attend in person, COM-T 2117 or via Zoom

Baldassarre Stea, MD, PhD, FASTRO
Research Faculty Candidate Presentations

Join us to Meet
Weimin Zhou, PhD
Faculty Candidate Colloquium
- Wed. November 1
- COM-T, Room 2117
- 2 pm - 3 pm

Tenure-Track Assistant Professor
Global Institute of Future Technology
Shanghai Jiao Tong University (SJTU)

Join us to Meet
Joyoni Dey, PhD
Faculty Candidate Colloquium:
X-ray Interferometry with Modulated Phase Grating
- Friday, December 1
- COM-T, Room 2117
- 9 am - 10 am

Associate Professor,
Department of Physics and Astronomy
Louisiana State University

In Collaboration with Wyant College of Optical Sciences
Following the celebration of LGBTQ+ History Month in October, the Office of Diversity, Equity and Inclusion (ODEI) launched a College of Medicine- Tucson exclusive line of LGBTQ+ Wildcat gear!

Kudos and congratulations to Diagnostic Radiology Residents Dallin Christensen, DO, and Austin Pickrell, MD, who were involved in the creation and launch of this special project.
Where do you call home?
Born in Miami, FL. Raised in Rockledge, FL.

What is the best thing about the field of Radiology?
The best thing about radiology is being able to solve clinical puzzles through imaging and work with other physicians throughout all fields of medicine.

What is on the horizon after graduation?
After graduation, I will be doing a Pediatric Radiology fellowship at Cincinnati Children’s Hospital and hope to work in a dedicated children’s hospital after that.

3 fun facts
1. Girl Dad x2
2. Miami sports fan (Go Canes, Dolphins, Marlins and Heat!)
3. Avid golfer
Where do you call home?
Bend Oregon is home.

What is the best thing about the field of Radiology?
The best thing about radiology is making tricky observations and piecing together information from the patient’s chart to make a complex diagnosis. It’s like a combination of uncovering a mystery and carefully wagering on a bet.

What is on the horizon after graduation?
The future is a mystery to me. I may need to take it one step at a time or explore options as they arise.

3 fun facts
1. I’m an avid rock climber, photographer, and I enjoy constant exploration of new music.
2. I’m currently trying to learn Norwegian (slowly)
3. Also currently trying to learn to sail, also slowly.
3rd Year DR Resident, Audrey Nisbet, was commended for her role in the successful diagnosis and treatment of a teenage patient seen in the B-UMCT Emergency Department.

Audrey aided the scheduling of a Saturday morning Fluoroscopy guided lumbar puncture procedure.

The Emergency Medicine faculty member noted that her help was “...pivotal in making the likely diagnosis of cocci meningitis over the weekend...” which enabled the patient to get the proper treatment right away.
MRI SAFETY TOURS

Kudos and thanks to Jamie Crooks and Tim Kibler for implementing extra Magnetic Resonance Imaging safety protocols.

DR and IR Residents have been able to sign up for tours of the MR space at Banner-University Medical Center Tucson. These tours provide a lay-of-the-land and review of procedures in place to prevent MRI events.
RLI TAKING THE LEAD PODCAST
THE MAN BEHIND THE MICROPHONE

Episode 60:
A Leadership Maestro

Rasu Shrestha, MD, MBA
Chief Innovation and Commercialization Officer, Executive Vice President at Advocate

Geoffrey Rubin, MD, MBA, FACR
Chair and Professor, Medical Imaging Clinical Service Chief of Medical Imaging, Banner University Medical Group
HSIB Fire Alarms = Bonus Time Outdoors

January 2023
Brian & Maria

October 2023
Nathan, John, Brian, Janet
Maria Ina & Michele

October 2023
group selfie
Year-End Celebration
Year-End Celebration