



The University of Arizona  
**HISPANIC  
HERITAGE**

# R & R

## RECOGNIZE & REWARD

# September 2024



Banner  
University Medical Center  
Tucson



THE UNIVERSITY OF ARIZONA  
COLLEGE OF MEDICINE TUCSON  
**Medical Imaging**

# MAJOR GRANT AWARDED

## ► Towards Screening With High-Resolution, Low-Dose, Dedicated Breast CT

In this competitive renewal to prior funding R01CA199044, the study focus is on image reconstruction followed by a multi-reader, multi-case (MRMC) receiver operating characteristic (ROC) study using prospectively acquired data to evaluate if dedicated breast CT demonstrates improved performance over the current standard, digital breast tomosynthesis (DBT) for breast cancer screening.

- National Cancer Institute R01CA199044
- Research Grant amount \$3,258,120 over 5 years
- Scored 1.0



Srinivasan Vedantham, PhD, DABR, FAAPM  
Professor, Medical Imaging  
and Biomedical Engineering





## Hepato-Pancreato-Biliary (HPB) Symposium

Abdominal Imaging was invited to be a part of the Inaugural **Hepato-Pancreato-Biliary (HPB) Symposium** held on September 7<sup>th</sup> at the College of Medicine – Tucson.

Invited faculty presentations included:

- ▶ “Undiagnosed Liver Masses: Imaging Characteristics, and Diagnostic Workup”  
- **Chris Miller, MD**  
Assistant Professor  
Department of Medical Imaging
- ▶ “Imaging Characteristics of Resectable, Borderline Resectable, Locally Advanced and Metastatic Pancreatic Cancer”  
- **Rami Sulaiman, MD**  
Assistant Professor  
Department of Medical Imaging

# RECOGNITION



**Greg Woodhead, MD, PhD**, was recently recognized for being “Customer Obsessed” by a Banner colleague via the Banner Health MVP online recognition system.

His colleague shared feedback from a very grateful patient expressing that Dr. Woodhead created an amazing patient experience. The patient, mentions being thrilled to be remembered and was impressed by the team’s knowledge and kindness. The patient also made a point to explain that Dr. Woodhead was especially appreciated adding that he was “...great as always!”

Dr. Woodhead is applauded for making a difference in the lives of patients at [Banner University Medical Center](#).



Gregory Woodhead, MD, PhD  
Interventional Radiology

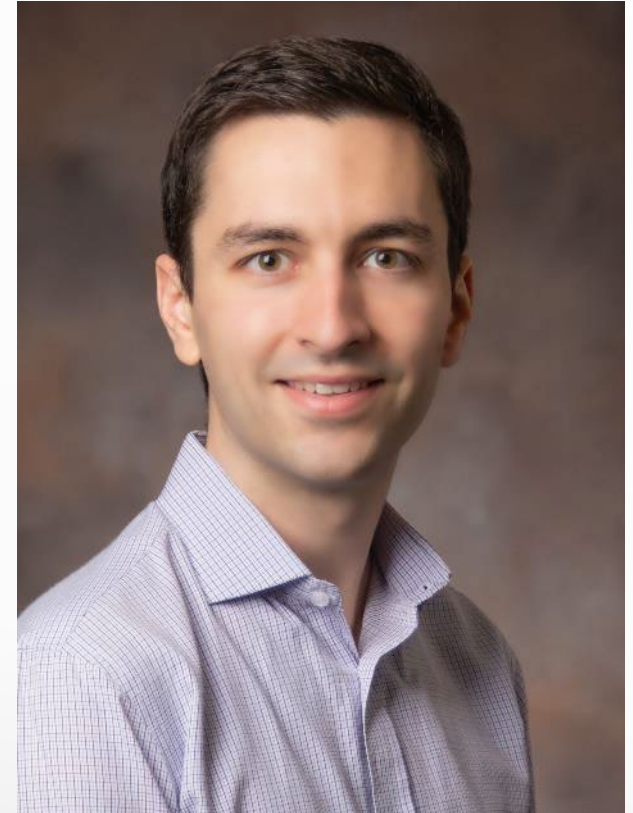


# RECOGNITION



Interventional Radiology Chief Resident, **Zachary Fitzgerald**, was recently recognized as “SQL - COLLABORATIVE” by a grateful team leader through the Banner Health MVP online recognition system.

Dr. Fitzgerald received praise for his dedication in developing a standardized form for documenting vital patient information. The newly implemented pre-procedure template, now utilized by residents and fellows, enhances both efficiency and accuracy, ultimately enriching patient care. His initiative and contributions are greatly valued, positively impacting the quality of care provided at [Banner University Medical Center](#).



Zachary Fitzgerald  
Interventional Radiology

# NEW GRANDMA (new baby!)

Congratulations to our Associate Director and new Grandmother, **Hollie Rotenberg!**  
Baby girl **Millie Lou** was born on September 7th weighing 7lbs 8.5 oz and measuring 21 inches.



Update: Millie is pictured, below, enjoying the quilt her proud Grandma crocheted for her!



# PUBLICATION

► **Post Pulmonary Embolism Phenotypes Described by Invasive Cardiopulmonary Exercise Testing**

Michael Insel, Tammer El Aini, **Gregory Woodhead**,  
Rebecca Wig, Saad Kubba, Guido Claessen, Erin Howden,  
Franz Rischard

Chest. 2024 Sep 3:S0012-3692(24)05134-1.

[doi: 10.1016/j.chest.2024.08.040](https://doi.org/10.1016/j.chest.2024.08.040).

Online ahead of print.



Gregory Woodhead, MD, PhD



# PUBLICATIONS

► **An eNAMPT-neutralizing mAb reduces post-infarct myocardial fibrosis and left ventricular dysfunction**

Z Liu<sup>a,b</sup>, S Sammani<sup>c</sup>, **C Barber<sup>b</sup>**, C Kempf<sup>d</sup>, F Li<sup>a</sup>, Z Yang<sup>a</sup>, R Bermudez<sup>c</sup>, S Camp<sup>d</sup>, VR Herndon<sup>c</sup>, **L Furenlid<sup>b</sup>**, D Martin<sup>a</sup>, J Garcia<sup>d</sup>

Biomed Pharmacother. 2024 Jan;170:116103.

[doi: 10.1016/j.biopha.2023.116103](https://doi.org/10.1016/j.biopha.2023.116103)



► **Characterization, Bioactivity, and Biodistribution of 35 kDa Hyaluronan Fragment**

by M-A Gantumur<sup>1</sup>, X Jia<sup>1</sup>, J H Hui<sup>1</sup>, **C Barber<sup>2</sup>**, L Wan<sup>2</sup>, **L Furenlid<sup>2</sup>**, D Martin<sup>3</sup>, M Hui<sup>1</sup>, and Z Liu<sup>3</sup>

*Life* 2024, 14(1),97; <https://doi.org/10.3390/life14010097>.



Lars Furenlid, PhD



# PUBLICATIONS

- ▶ **Correction of multiplexing artefacts in multi-pinhole SPECT through temporal shuttering, de-multiplexing of projections, and alternating reconstruction**

S Pells<sup>7,1</sup>, N Zeraatkar<sup>1</sup>, K Kalluri<sup>1</sup>, S Moore<sup>2</sup>, **M May<sup>3</sup>, L Furenlid<sup>3,4</sup>**, M Kupinski<sup>3</sup>, P Kuo<sup>4,5,6</sup> and MA King<sup>1</sup>

Published 6 June 2024 • © 2024 Institute of Physics and Engineering in Medicine [DOI 10.1088/1361-6560/ad4f47](https://doi.org/10.1088/1361-6560/ad4f47)

**IPEM**  
Institute of Physics and  
Engineering in Medicine

- ▶ **A generalized expression for accelerating beamlet decomposition simulations**

JN Ashcraft, ES Douglas, R Anche, BD Dube, KZ Derby, **L Furenlid**, M Kautz, D Kim, K Milani, and AJ Eldorado Riggs

Optics Express Vol. 32, Issue 10, pp. 18068-18086 (2024)

<https://doi.org/10.1364/OE.524434>

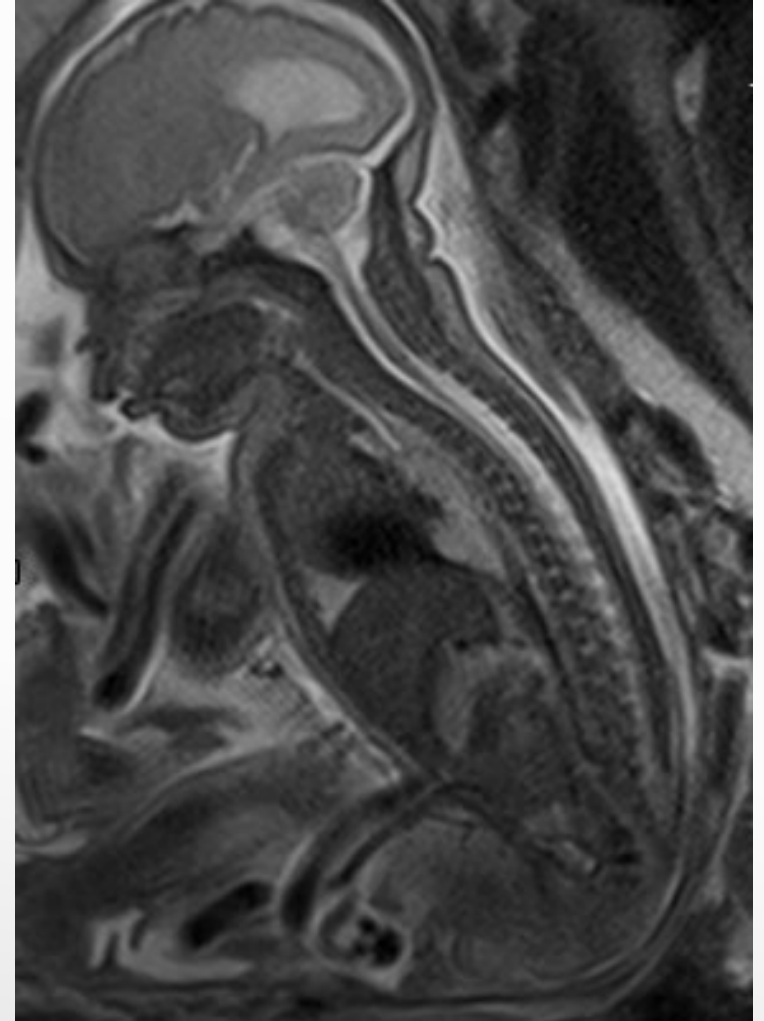
**OPTICA**  
PUBLISHING GROUP



Lars Furenlid, PhD

# INNOVATION STORIES: Pediatric Radiology – Fetal Imaging

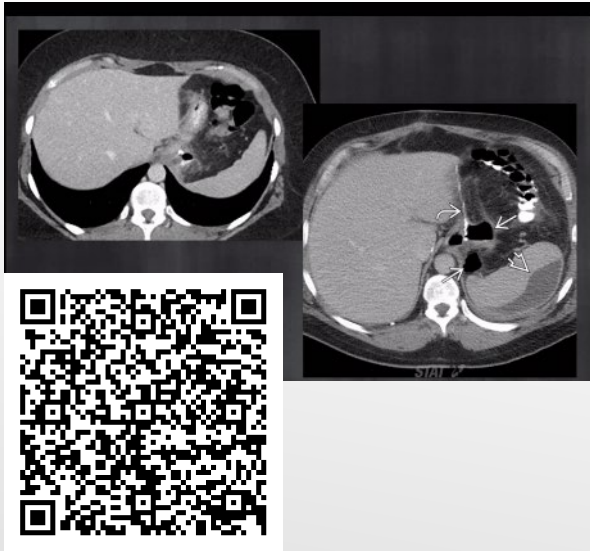
- ▶ The team has worked to refine and update protocols for imaging fetuses with various neurological and thoracoabdominal abnormalities.
- ▶ Nearly 50 fetal MRIs have been successfully completed in the last year.
- ▶ A 24-hour turn around time is the goal for emergent cases; non-emergent cases are contacted for scheduling within 24-hours.
- ▶ Comprehensive access/one-stop scheduling allows for families to meet with specialists the same day images are acquired.
- ▶ Patients with limited resources qualify for the fetal medicine foundation fund through the [Banner Foundation](#).
- ▶ The Center for Fetal Medicine is the first center in the Southwest to provide fast diagnoses for pregnant women and their unborn children. Congratulations to [Dr. Lightwine](#), and the entire Pediatric Imaging team: [Dr. Gilbertson](#), [Dr. Udayasankar](#) and [Dr. Aria](#).



Example of an MRI taken during 25-26 weeks of pregnancy demonstrating non-invasive evaluation of fetal health

# GRAND ROUNDS

September 13



▶ [View the presentation recording](#)

## GRAND ROUNDS

### Imaging of Bariatric Surgeries

- Friday, September 13
  - 12 noon - 1 pm
  - COM-T, 2117



**AMR ABDELAZIZ, MD**

Associate Professor, Clinical Radiology  
University of Missouri





# SNMMI 2024 Therapeutics Conference

**September 18-19**

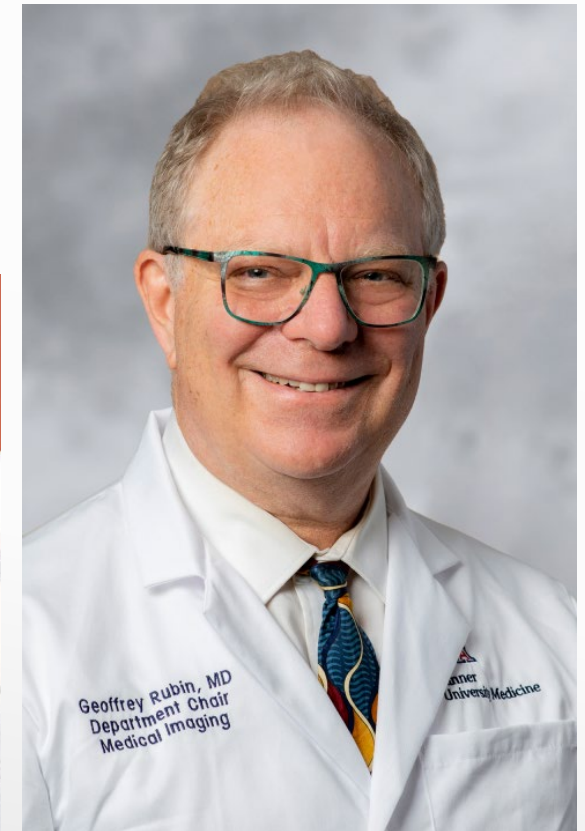
- ▶ Members of Medical Imaging and the Nuclear Medicine and Theranostics Division participated during the SNMMI Therapeutics Conference held in Bethesda, MD.
- ▶ Dr. Savir, pictured presenting top right, also participated on the conference planning committee.
- ▶ Pictured in group photo from left: Tina Buehner, PhD, CNMT, NMTCT (CT) (RS), FSNMMI-TS, Bitai Savir-Baruch, MD, FACNM, Brian Miller, PhD, and Holly Thompson, MD, MPH.



# International Society for Computed Tomography (ISCT) 2024

**September 12-14**

- ▶ A part of the organizing committee, Dr. Rubin presented during this year's ISCT meeting held in Boston, MA.
- ▶ Highlights of his presentation, "Radiology Workforce Landscape," are featured in a recent AuntMinnie.com article.
- ▶ Find the article, [here](#).



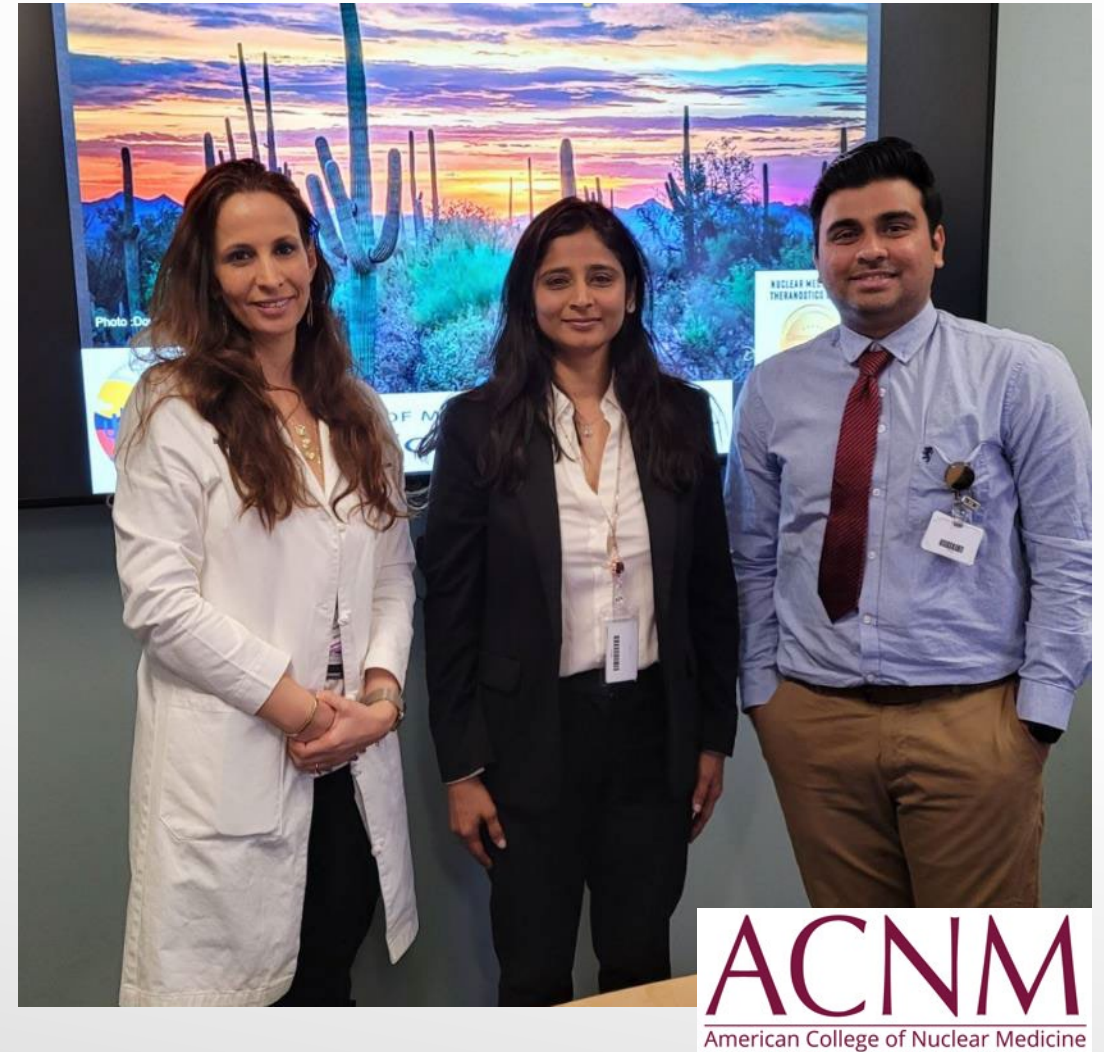
Geoffrey Rubin, MD, MBA, FACR, FAHA, FSABI, FNASCI



# ACNM Journal Club Presentation

September 24

- ▶ Kudos to Nuclear Radiology Fellows Kanika Gupta, MD, and Karthik Rayasam, MD, pictured with mentor and Nuclear Medicine and Theranostics Division Chief, Bital Savir-Baruch, MD, FACNM
- ▶ The team presented during a Journal Club Webinar: “Neuroimaging in Alzheimer’s – Deep Learning FDG PET/CT and Tau Protein for Dementia Prediction; Oncology Focus – Prognostic Biomarkers in Non-Small Cell Lung Cancer”





# RESIDENT JOURNAL CLUB

**September 6**

Another fantastic  
Radiology Journal Club  
meeting!

4<sup>th</sup> Year DR Presenters  
Evan Sommer, MD, and  
Stephane Chartier, DO,  
are pictured  
with host and mentor,  
Chris Miller, MD



# ASER 2024 Annual Meeting

**September 11 - 14**

- ▶ Wane Kubal, MD, FASER, participated in American Society of Emergency Radiology (ASER) annual meeting held in Washington, DC.
- ▶ Dr. Kubal presented during an emergency radiology session and was also honored with the ASER 25 years of membership and contributions award.



Wayne Kubal, MD, FASER



# 2024 Annual Meetings AAARAD & SCARD

- ▶ Medical Imaging leadership contributed to the Association of Administrators in Academic Radiology (AAARAD) and Society of Chairs in Academic Radiology (SCARD) meetings in Nashville, TN.
- ▶ Director **Dan Crawley**, presented “ED Imaging Utilization” during AAARAD on Sept. 25. Dan moderated the session, “Use of Advanced Practitioners: Positive or Slippery Slope?” during SCARD on Sept. 26.
- ▶ Chair **Geoff Rubin** presented “Best Practices for Demonstrating an ROI to Departmental and Institutional Leaders,” to the assembly at SCARD on Sept. 27.



Dan Crawley, MBA, RT, R, CT, and  
Geoffrey Rubin, MD, MBA, FACR, FAHA, FSABI, FNASCI





# RESIDENT SPOTLIGHT

## Where do you call home?

Valencia, California

## What do you love most about Radiology?

Radiology is incredible because it allows us to apply our medical knowledge to help diagnose pathology throughout the entire human body. Helping other physicians identify what problems need to be addressed is rewarding and always an intellectual challenge.

## What is on the horizon after graduation?

I am going to Stanford University for Neuroradiology fellowship.

## 3 fun facts

1. I used to be a professional video game player (StarCraft 2).
2. I enjoy doing yoga.
3. I listen to a bunch of different podcasts almost every day.



4th Year  
Diagnostic Radiology  
Chief Resident





# RESIDENT SPOTLIGHT

## Where do you call home?

Wherever my family is...

## What do you love most about Radiology?

Lending a voice to a patient to help them tell their story - seeing the unseen and putting it into words for the patient.

## What is on the horizon after graduation?

Pediatric Radiology fellowship at Stanford

## 3 fun facts

1. My first career was as a flying trapeze artist.
2. I diagnosed a sea lion with osteomyelitis of the left first digit phalanges on a radiograph - confirmed at surgery.
3. I have a dog, Brady Peyton, named after the greatest quarterback of all time and another guy who played for the Patriots or something.



*Audrey Nisbet*



4th Year  
Diagnostic Radiology  
Chief Resident



# RESIDENT SPOTLIGHT

## Where do you call home?

I grew up in northern California but call home wherever my family is.

## What do you wish others (colleagues, friends, family) knew about what you do?

I wish others knew how fun and engaging radiology can be. It offers so much to learn and do in a career with new technology and deals with so much science related to the human body.

## What is on the horizon after graduation?

I will be attending Barrow Neurological Institute for Neuroradiology fellowship.

## 3 fun facts

1. I used to be a full-time skydiver and parachute packer/rigger.
2. I worked in a liquid chromatography mass spectrometry lab before medical school.
3. I have never been outside of the country but would like to one day.



*RJ Wruble*

4th Year  
Diagnostic Radiology  
Chief Resident





# TAKING THE LEAD PODCAST




**Denise A. Aberle, MD**

In this first annual William G. Bradley Memorial RLI Taking the Lead episode, sponsored by the California Radiological Society Foundation, host Geoffrey Rubin, MD, MBA, FACR, talks with **Denise R. Aberle, MD**, Professor of Radiological Sciences at the David Geffen School of Medicine at the University of California Los Angeles (UCLA) and Professor of Bioengineering in the UCLA Samueli School of Engineering.

Find the podcast, [Leading Lung Screening Research](#).



 @geoffrubin

**Geoffrey Rubin, MD,**  
MBA, FACR  
Chair and Professor,  
Medical Imaging

# Staff Member Highlighted

Our very own [Michele Dalmendray](#) was highlighted as “Coordinator of the Month” during the U of A Graduate Medical Education (GME) administrative meeting in September.

- ▶ **Title:** Program Coordinator, Sr., Dept. of Medical Imaging (Radiology)
- ▶ **Years of Service:** Ten (10) years
- ▶ **What is the most challenging part of your job?**  
Keeping up with policy changes and staying on top of everything. Balancing work/life.
- ▶ **What is the favorite part of your job?**  
Relationships with residents and colleagues. Watching the residents “grow up”.
- ▶ **Hobbies/Interests:** Camping, Event Planning, my Family, my Faith, U of A Baseball



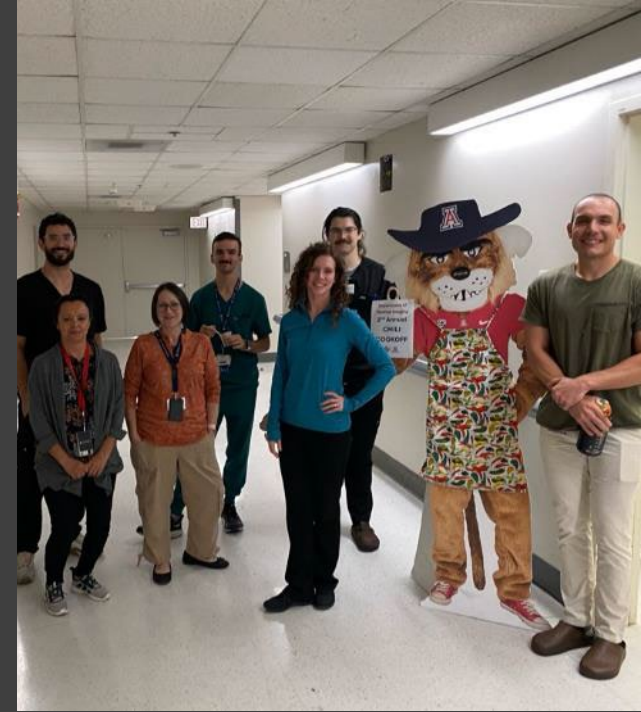


# Preparing for Recruiting Season

Exciting news: our new Residency Program videos are launching soon! We extend our gratitude to Biocom, our Residency Program team, and the many faculty and residents who volunteered to share their insights about our exceptional programs. Stay tuned!







## CHILI CHAMP 2024

On September 24 at noon in the AHSC Basement, Medical Imaging continued a fun and delicious tradition. Faculty, residents, fellows, and staff contributed a diverse array of dishes, sides, and desserts to share and enjoy. After the meal, everyone had the opportunity to vote for their favorite chili.

Congratulations to our winner, **Colleen Bell**! Her creation, "The Best Chili Ever," inspired by J. Kenji López-Alt, impressed everyone with its delightful hints of coffee and chocolate, making it a truly gourmet dish. Find [this recipe](#).