

# R&R

## RECOGNIZE & REWARD

AUGUST 26, 2020



Announcements?  
contact

[Jennifer Fischahs](#)



Banner  
University Medical Center  
Tucson



COLLEGE OF MEDICINE TUCSON  
Medical Imaging

# NEW FACULTY



**Christopher Ardary, MD**  
Assistant Professor,  
Emergency Radiology



**Christopher Miller, MD**  
Assistant Professor,  
Abdominal Division

# GRANT ANNOUNCEMENT

UArizona Health Sciences Researcher, Dr. Maria Altbach,  
Developing New Imaging Technology to Combat Colorectal Cancer



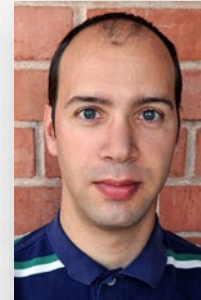
*Research team members by MRI scanner (left to right):  
Scott Squire, Maria Altbach, PhD, and doctoral student  
Lavanya Umapathy. (Photo: Jane Pruitt/University of  
Arizona Department of Medical Imaging)*

- See the UArizona Health Sciences press release [here](#)
- See the UArizona Cancer Center press release [here](#)
- See the Department of Medical Imaging press release [here](#)

# CONGRATULATIONS

## Dr. Luca Caucci Elected Senior Member of the **National Academy of Inventors**

“Becoming a Senior Member of the National Academy of Inventors represents a huge achievement for me, both academically and personally,” he said. “This would not have been possible without the help I received from my co-inventors and the support from the University of Arizona.”



**Luca Caucci, PhD**

- See the Tech Launch Arizona article [here](#)
- See the Department of Medical Imaging [news item](#)

# CONGRATULATIONS

Dr. Phillip Kuo Elected to  
Board of Directors for  
Therapy Center of Excellence  
Society of Nuclear Medicine and  
Molecular Imaging



Phillip Kuo, MD, PhD



# ACCEPTED FOR PUBLICATION



## Case Report

### Unique Case of Congenital Duodenal Atresia and Choledochal Cyst and the Hypothesis of their Embryological Evolution

Brittany Downing<sup>1,2</sup>, Mohammad Y Bader<sup>1,2</sup>, Frank P Morello<sup>2,3</sup> and Ranjit I Kylathu<sup>1,2</sup>

<sup>1</sup> Department of Pediatrics, University of Arizona, College of Medicine, Tucson, AZ

<sup>2</sup> Banner University Medical Center, Tucson, AZ, USA

<sup>3</sup> Department of Medical Imaging, University of Arizona, College of Medicine, Tucson, AZ

Author address for Correspondence: Dr Ranjit I Kylathu MD, Department of Pediatrics, University of Arizona, College of Medicine, 1625 N Campbell Ave, Tucson, AZ 85719, USA; Email: rkylat@gmail.com, Tel: 5206266627, Fax: 5206265009

**Short Title:** Congenital choledochal cyst with congenital duodenal atresia



Frank Morello, MD



# CONGRATULATIONS

## Adapt-SPECT Posters Presented



▶ Zeraatkar N, Kalluri K, Auer B, **Furenlid L**, **Kuo P**, King M. [Exploratory research on impact of different data multiplexing schemes on activity recovery in cerebral SPECT imaging with AdaptiSPECT-C multi-pinhole brain-dedicated scanner.](#) J Nucl Med: Suppl 1, 61:315, 2020. Presented at the 67th Virtual Annual Meeting of the Society of Nuclear Medicine, New Orleans, 2020.

▶ Auer B, Kalluri K, De Beenhouwer J, Zeraatkar N, **Momsen N**, **Kuo P**, **Furenlid L**, King M. [Keel-Edge Height Selection for Improved Multi-Pinhole 123I Brain SPECT Imaging.](#) J Nucl Med: Suppl 1, 61:573, 2020. Presented at the 67th Virtual Annual Meeting of the Society of Nuclear Medicine, New Orleans, 2020.

▶ Kalluri K, Auer B, Zeraatkar N, Doty K, **Momsen N**, **Kuo P**, **Furenlid L**, King M. [Comparison of System Designs for AdaptiSPECT-C using Curved Detectors: Initial Findings.](#) J Nucl Med: Suppl 1, 61:1511, 2020. Presented at the 67th Virtual Annual Meeting of the Society of Nuclear Medicine, New Orleans, 2020.

▶ Auer B, Kalluri K, De Beenhouwer J, Doty K, Zeraatkar N, **Kuo P**, **Furenlid L**, King M. [Reconstruction using Depth of Interaction Information of Curved and Flat Detector Designs for Quantitative Multi-Pinhole Brain SPECT.](#) J Nucl Med: Suppl 1, 61:103, 2020. Presented at the 67th Virtual Annual Meeting of the Society of Nuclear Medicine, New Orleans, 2020.



Lars Furenlid, PhD



Phillip Kuo, MD, PhD

# CONGRATULATIONS

4<sup>th</sup> Year Resident Matt Neill received a scientific poster award at the Society of Nuclear Medicine and Medical Imaging Annual Meeting



Matthew Neill, MD

## Neurosciences

- 3rd place: Pub#1557; Presenter Matthew Neill

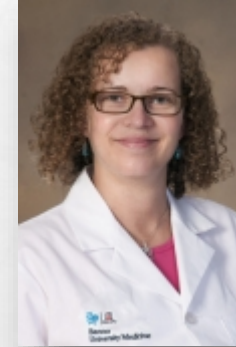


Neill M, Fisher JM, Kay MD, Zhang T, Sherman S, Lei H, Chou YH, Kuo PH. Multi-parametric optimization of dopamine transporter SPECT software quantification for diagnosis of parkinsonian syndromes. Poster presented at: Annual Meeting of the Society of Nuclear Medicine and Molecular Imaging; 2020 July 11-14; Virtual Meeting Edition.



# CONGRATULATIONS

Dr. Desoky is now the  
**Course Director**  
for the Pediatric Radiology Medical Student Elective  
in addition to the  
General Radiology Electives



**Sarah Desoky, MD**

# CONGRATULATIONS

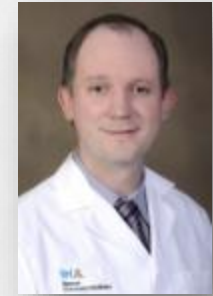


**“Interventional Radiology is an operational and financial hedge for hospitals during COVID-19”**

[Mikin V. Patel](#), MD,<sup>1,\*</sup> [Osman Ahmed](#), MD,<sup>2</sup> [Charles Hennemeyer](#), MD,<sup>1</sup> [Scott Hatchett](#), MS,<sup>1</sup> [Michelle Sacramento](#), RT,<sup>2</sup> and [Brian Funaki](#), MD<sup>2</sup>



Mikin Patel, MD, MBA



Charles Hennemeyer, MD

JVIR

Journal of Vascular and Interventional Radiology

RADIOLOGY BUSINESS

FOR LEADERS NAVIGATING VALUE-BASED CARE

**“Interventional Radiology Taking on a More Prominent Role In Hospitals During the Pandemic”**

➤ See the UChicago Department of Radiology article [here](#)

R & R



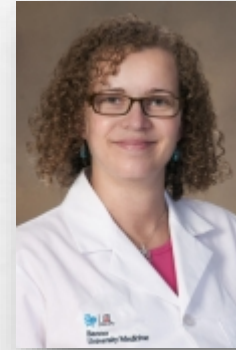
Banner  
University Medical Center  
Tucson



COLLEGE OF MEDICINE TUCSON  
Medical Imaging



# CONGRATULATIONS

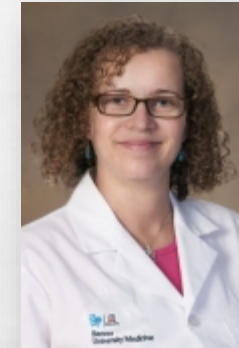
Dr. Desoky, Ultrasound Modality Director,  
is proud to announce the recent **approval**★  
of the ACR Accreditation Application  
for BUMC-North



**Sarah Desoky, MD**

# RECENT PUBLICATIONS

- Caro-Dominguez, Pablo, et al. "Thoracic imaging of coronavirus disease 2019 (COVID-19) in children: a series of 91 cases." *Pediatric radiology* (2020): 1-15. 
- **Desoky, Sarah M.**, et al. "Re:"International Expert Consensus Statement on Chest Imaging in Pediatric COVID-19 Patient Management: Imaging Findings, Imaging Study Reporting and Imaging Study Recommendations"." *Radiology: Cardiothoracic Imaging* 2.3 (2020): [e200372](#).
- Susan, C. Shelmerdine, et al. "Coronavirus Disease 2019 (COVID-19) in Children: A Systematic Review of Imaging Findings." *Pediatric radiology*. 




**Sarah Desoky, MD**

# RECENT PUBLICATIONS

▶ "Automated Thalamic Nuclei Segmentation Using Multi-Planar Cascaded Convolutional Neural Networks,"  
Majdi MS, Keerthivasam MB, Rutt BK, Zahr NM, Rodriguez JJ, **Saranathan M.**  
Accepted to *Magnetic Resonance Imaging*

▶ "A systematic comparison of structural-, structural connectivity-, and functional connectivity-based thalamus parcellation techniques," Iglehart C, Monti M, Cain J, Tourdias T, **Saranathan M.**  
Brain Struct Funct. 2020 Jun;225(5):1631-1642. doi: 10.1007/s00429-020-02085-8. [Epub 2020 May 21.](#)

▶ "Advanced Imaging and Direct Targeting of the Motor Thalamus and Dentato-Rubro-Thalamic Tract for Tremor: A Systematic Review." 

▶ Gravbrot N, **Saranathan M**, Pouratian N, Kasoff WS.  
Stereotact Funct Neurosurg. 2020;98(4):220-240. doi: 10.1159/000507030. [Epub 2020 May 13.](#)

▶ Sensitivity of ventrolateral posterior thalamic nucleus to back pain in alcoholism and CD4 nadir in HIV.  
Zahr NM, Sullivan EV, Pohl KM, Pfefferbaum A, **Saranathan M.**  
Hum Brain Mapp. 2020 Apr 1;41(5):1351-1361. doi: 10.1002/hbm.24880. [Epub 2019 Nov 29.](#)



**Manoj Saranathan, PhD**

# RECENT PUBLICATIONS

- **Mushtaq R, Kay MD, Steinmeyer L, Warhadpande D, and Kuo PH.** Pearls and Pitfalls of Quantitative Software Analysis of Dopamine Transporter SPECT. *Clinical Nuclear Medicine*: July 2020. [doi:10.1097/RLU.00000000000003183](https://doi.org/10.1097/RLU.00000000000003183).
- Zeraatkar N, Kalluri KS, Könik A, Fromme TJ, **Furenlid LR, Kuo PH**, King MA. Investigation of Axial and Angular Sampling in Multi-Detector Pinhole-SPECT Brain Imaging. *IEEE Transactions on Medical Imaging*. [doi: 10.1109/TMI.2020.3015079](https://doi.org/10.1109/TMI.2020.3015079).
- Schwartz FR, James O, **Kuo PH**, Witte MH, Koweek LM, Pabon-Ramos WM. Lymphatic Imaging: Current Noninvasive and Invasive Techniques. *Semin intervent Radiol*. 2020;37(03):237-249. [doi:10.1055/s-0040-1713441](https://doi.org/10.1055/s-0040-1713441).
- **Kuo, P.**, Zhang, X., **Stuehm, C.**, Chou, Y.- hui, & Chen, N.- kwei. (2020). Functional Magnetic Resonance Imaging Reveals Taiji's Real-time Effects on Neuronal Networks of the Brain. *The Journal of the International Society of Chinese Health Practices*, 1(1).



Raza Mushtaq, MD



Matthew Kay, MBBS



Dev Warhadpande, MD, MS



Laura Steinmeyer, MD



Phillip Kuo, MD, PhD



Carol Stuehm



Lars Furenlid, PhD

# MASK DISTRIBUTION



Photo: Melissa Ruiz, UArizona  
Department of Medical Imaging

- ▶ The distribution of free [UArizona masks](#) for students, faculty and staff will begin on Wednesday, Aug. 26, and run through Friday, Aug. 28.
- ▶ Pick up at the [Medical Bookstore](#) (building #201) from 10 a.m. to 4 p.m.
- ▶ You must have your [CatCard](#) when picking up your masks.