



# Visiting Professor Program

Thursday, May 16, 2024 | 12:00PM-5:00PM

Faculty, Residents & Fellows are invited to attend the Visiting Professor Program virtually via Zoom. Register below to receive Zoom details the day prior to the event.

## Dr. Bhavya R. Shah

Dr. Bhavya R. Shah, M.D., is an Assistant Professor of Radiology at UT Southwestern Medical Center, and a member of its Neuroradiology Division. He holds a secondary appointment as Assistant Professor of Neurological Surgery and is the Director of the brain focused ultrasound program and transcranial-focused ultrasound lab.

His primary research interests include transcranial focused ultrasound (FUS) for the treatment of Alzheimer's disease and brain tumors, nerve stimulation to improve limb function after stroke, and biomedical device innovation. He has an active collaboration with the biomedical engineering department at the University of Texas at Dallas.



### AGENDA

#### 12:00PM - 1:00PM

Introduction – Dr. Michael Patlas, Chair, Department of Medical Imaging

Lecture 1: Navigating the Brain: History, Current Practice, and Future Directions

- History of brain targeting
- Review indirect targeting
- Discuss current trends
- Chart future directions

#### 1:30PM – 3:30PM

Resident Case Review Session

#### 4:00PM – 5:00PM

Introduction – Dr. Michael Patlas, Chair, Department of Medical Imaging

Lecture 2: Transcranial Focused Ultrasound: Next Generation Image-guided Therapy

- Review current indications and approaches
- Discuss ongoing clinical trials
- Discuss pre clinical applications

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