

Second Annual

# Houston Methodist Neurological Institute's NEUROLOGY & NEUROSURGERY RESIDENT BOOTCAMP

November 3 - 4, 2023

Houston Methodist Institute for Technology, Innovation, and Education (MITIE<sup>SM</sup>)

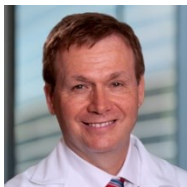
## COURSE OVERVIEW

This course is designed for second and third-year neurology residents and third to fifth-year neurosurgery residents. During this 2-day intensive bootcamp, the attendees will learn the basics of treating patients with various neurological and neurosurgical conditions.

Topics will cover the following, respective areas of sub-specialization:

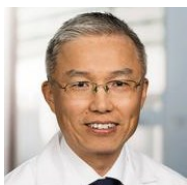
- Stroke Care
- Epilepsy
- Movement Disorders
- Neuromuscular
- Functional Neurosurgery
- Peripheral Nerve
- Spine
- Brain Tumors
- Cerebrovascular

## COURSE CO-DIRECTORS



### Gavin W. Britz, MD

Candy and Tom Knudson Distinguished Centennial Chair in Neurosurgery  
Professor and Chair, Department of Neurosurgery  
Director, Neurological Institute  
Co-Director, Cerebrovascular Program  
Co-Director, Skull Base Program  
Houston Methodist Hospital  
Professor of Neurological Surgery, Weill Cornell, NY



### Jun Li, MD, PhD

John M. O'Quinn Foundation Presidential Distinguished Chair in Neurology  
Professor and Chair, Stanley H. Appel Department of Neurology  
Houston Methodist Hospital  
Weill Cornell Medical College

## LOCATION



### Houston Methodist Research Institute

6670 Bertner Avenue  
Houston, TX 77030

Didactics will occur on the second (2<sup>nd</sup>) floor of the Houston Methodist Research Institute. Skills workshops will occur on the fifth (5<sup>th</sup>) floor at the Houston Methodist Institute of Technology, Innovation, and Education (MITIE<sup>SM</sup>).

# DAY 1 | Friday, November 3, 2023

## NEUROLOGY TRACK

6:45 AM	Registration, Check-In, and Breakfast Research Institute (RIB-2) – Lobby
7:20 AM	Welcome and Introduction – Gavin W. Britz, MD and Jun Li, MD, PhD Research Institute (RIB-2) – John H. Bookout Auditorium
7:30 AM	Neurology Keynote: Future of Neurology - Justin McArthur, MBBS, MPH Research Institute (RIB-2) – John H. Bookout Auditorium
8:30 AM	Neurology Track to Ernest H. Cockrell Boardroom (RIB2)
8:30 AM	System Approach to Stroke Care – Vivek Misra, MD Research Institute (RIB-2) Ernest H. Cockrell Boardroom
9:00 AM	Advances in Acute Care and Medical Management of Large Vessel Disease – Nhu Bruce, MD Research Institute (RIB-2) Ernest H. Cockrell Boardroom
9:30 AM	The Heart-Brain Connection: New Tools, New Challenges – Jay Volpi, MD Research Institute (RIB-2) Ernest H. Cockrell Boardroom
10:00 AM	Disparities in Stroke Outcomes and Potential Real Work Solutions – Anjail Sharrief-Ibrahim, MD, MPH Research Institute (RIB-2) Ernest H. Cockrell Boardroom
10:30 AM	How to Develop a Multispecialty Neurointerventional Program – Sung Lee, MD Research Institute (RIB-2) Ernest H. Cockrell Boardroom
11:00 AM	Expanded Approach to Migraines - Amaal J. Starling, MD Research Institute (RIB-2) Ernest H. Cockrell Boardroom
11:30 AM	Advances in Neuroimaging – Joseph Masdeu, MD, PhD Research Institute (RIB-2) Ernest H. Cockrell Boardroom
12:00 PM	Lunch Research Institute (RIB-2) – Lobby
1:00 PM	Botulinum Toxins – Will Ondo, MD Research Institute (RIB-2) Ernest H. Cockrell Boardroom
1:30 PM	Neuromodulation in Movement Disorders – Vibash Sharma, MD Research Institute (RIB-2) Ernest H. Cockrell Boardroom
2:00 PM	Chemo-Induced Neuropathy – Stefanie Geisler, MD Research Institute (RIB-2) Ernest H. Cockrell Boardroom
2:30 PM	Emerging Therapy and Gene Therapy for Neuromuscular Medicine – Ericka Greene, MD Research Institute (RIB-2) Ernest H. Cockrell Boardroom
3:00 PM	Role of EMG in Neuromuscular Cases – Joseph Imbs, MD Research Institute (RIB-2) Ernest H. Cockrell Boardroom
3:30 PM	Surgical Options for Epilepsy - Charles Szabo, MD Research Institute (RIB-2) Ernest H. Cockrell Boardroom
4:00 PM	Pre-Surgical Evaluation for Epilepsy – Brandy Ma, MD Research Institute (RIB-2) Ernest H. Cockrell Boardroom
4:30 PM	Medically Refractory Epilepsy Diagnosis and Management – Omatola Hope, MD Research Institute (RIB-2) Ernest H. Cockrell Boardroom
5:00 PM	Neurology Track Adjourn

# DAY 1 | Friday, November 3, 2023

## NEUROSURGERY TRACK

6:45 AM	Registration, Check-In, and Breakfast Research Institute (RIB-2) – Lobby
7:20 AM	Welcome and Introduction – Gavin W. Britz, MD and Jun Li, MD, PhD Research Institute (RIB-2) – John H. Bookout Auditorium
7:30 AM	Neurology Keynote: Future of Neurology - Justin McArthur, MBBS, MPH Research Institute (RIB-2) – John H. Bookout Auditorium
8:30 AM	Deep Brain Stimulation for Movement Disorders– Amir Faraji, MD, PhD Research Institute (RIB-2) – John H. Bookout Auditorium
9:00 AM	Stereo EEG Lead Planning and Epilepsy Diagnosis – Daniel Curry, MD Research Institute (RIB-2) – John H. Bookout Auditorium
9:15 AM	Neuromodulation for Epilepsy – Jon Wille, MD, PhD Research Institute (RIB-2) – John H. Bookout Auditorium
9:45 AM	Spinal Stimulation for Functional Restoration – Dimitry Sayenko, MD, PhD Research Institute (RIB-2) – John H. Bookout Auditorium
10:15 AM	Gamma Knife Radiosurgery – Robert Rostomily, MD Research Institute (RIB-2) – John H. Bookout Auditorium
10:30 AM	Modern Management of Dural Fistulas – Orlando Diaz, MD Research Institute (RIB-2) – John H. Bookout Auditorium
10:45 AM	Nerve Transfer for Spinal Cord Injury – Wilson Z. Ray, MD Research Institute (RIB-2) – John H. Bookout Auditorium
11:15 AM	Evaluation and Treatment of Pituitary Tumors – David Baskin, MD Research Institute (RIB-2) – John H. Bookout Auditorium
12:00 PM	Lunch Research Institute (RIB-2) – Lobby
1:00 PM	Approaches to Skull Base – Gavin Britz, MD Research Institute (RIB-2) – John H. Bookout Auditorium
1:20 PM	Lateral Skull Base Surgery – Laligam N. Sekhar, MD Research Institute (RIB-2) – John H. Bookout Auditorium
1:50 PM	Modern Management of Aneurysm – Pascal M. Jabbour, MD Research Institute (RIB-2) – John H. Bookout Auditorium
2:20 PM	Modern Management of AVMs – Aman Patel, MD Research Institute (RIB-2) – John H. Bookout Auditorium
2:50 PM	Modern Management of Carotid Disease – Daniel Hoit, MD Research Institute (RIB-2) – John H. Bookout Auditorium
3:20 PM	Clinical Evaluation of Peripheral Nervous System – Thomas Wilson, MD, PhD Research Institute (RIB-2) – John H. Bookout Auditorium
3:50 PM	Artificial Intelligence Application in Spine Surgery – Paul Holman, MD Research Institute (RIB-2) – John H. Bookout Auditorium
4:30 PM	State of the Art Endoscopic Spine Surgery – Meng Huang, MD Research Institute (RIB-2) – John H. Bookout Auditorium
5:00 PM	Spinal Oncology: Chordoma Surgery – TBA Research Institute (RIB-2) – John H. Bookout Auditorium
5:30 PM	Neurosurgery Track Adjourn

# DAY 2 | Saturday, November 4, 2023

## NEUROLOGY TRACK

7:00 AM	Registration, Check-In, and Breakfast Research Institute (RIB-2) – Lobby
7:45 AM	Navigate to MITIE   Skills Workshop Research Institute (RIB-5) – MITIE Lobby
8:00 AM	<b>NEUROLOGY SKILLS WORKSHOP</b> <i>Residents will select four (4), forty (40) min. sessions to attend. Five (5) minutes will be allowed between sessions.</i>  Running a TeleStroke Code – Jay Volpi, MD Research Institute (RIB-5) MITIE  TCD and Carotids – Zsolt Garami, MD Research Institute (RIB-5) MITIE  Botox Injections   Spasticity/Dystonia – Andrew Billnitzer, MD Research Institute (RIB-5) MITIE  Botox Migraine/Occipital Nerve Block - Bing Liao, MD, MSc or Julia L. Jones, MD Research Institute (RIB-5) MITIE  EMG/EEG/VNS – EMG: Joseph Imbs, MD + EEG: Amit Verma, MD Research Institute (RIB-5) MITIE  Transcranial Direct Current Stimulation (TCDS) – Timea Hodics, MD Research Institute (RIB-5) MITIE  Optic Neuritis/OC/Fundoscopic Exam – Perter Mortenson, MD Research Institute (RIB-5) MITIE
11:00 AM	Navigate to (RIB-2) John H. Bookout Auditorium Research Institute (RIB-2) – John H. Bookout Auditorium
11:00 AM	Career Panel Research Institute (RIB-2) – John H. Bookout Auditorium  Clinician Scientist: TBA Education: Erica Greene, MD Private Practice: TBA
12:00 PM	Lunch Research Institute (RIB-2) – Lobby
1:00 PM	Neurology Track Adjourn

# DAY 2 | Saturday, November 4, 2023

## NEUROSURGERY TRACK

7:00 AM	Registration, Check-In, and Breakfast Research Institute (RIB-2) – Lobby
7:30 AM	Endonasal Skull Base Surgery – Daniel Prevedello, MD Research Institute (RIB-2) – John H. Bookout Auditorium
8:00 AM	Neurosurgery Keynote: Longevity – Joseph C. Maroon, MD, FACS Research Institute (RIB-2) – John H. Bookout Auditorium
8:30 AM	Navigate to MITIE   Skills Workshop Research Institute (RIB-5) – MITIE Lobby
8:45 AM	<p><b>NEUROSURGERY SKILLS WORKSHOP</b></p> <p>Thrombectomy Simulation - Raymond Turner, MD Research Institute (RIB-5) MITIE</p> <p>Carotid Stents Simulation - Mickey Smith, MD + Orlando Diaz, MD Research Institute (RIB-5) MITIE</p> <p>Aneurysm Coiling Simulation - Einar Bogason, MD + Tsz Lau, MD + Jason Wilson, MD Research Institute (RIB-5) MITIE</p> <p>Spine - Paul Holman, MD + Derrick Sun, MD + Sean Barber, MD + Meng Huang, MD + Todd Trask, MD Research Institute (RIB-5) MITIE</p> <p>Endoscopic Skull Base Approaches - Daniel Prevedello, MD Research Institute (RIB-5) MITIE</p> <p>Far Lateral Approach - Gavin Britz, MD Research Institute (RIB-5) MITIE</p> <p>OZ - TBA Research Institute (RIB-5) MITIE</p> <p>Transpetrosal – Laligam N. Sekhar, MD Research Institute (RIB-5) MITIE</p>
11:45 PM	Navigate to (RIB-2) Lobby Research Institute (RIB-2) – Lobby
12:00 PM	Lunch Research Institute (RIB-2) – Lobby
1:00 PM	Return to MITIE   Skills Workshop Research Institute (RIB-5) – MITIE Lobby
1:15 PM	<p><b>NEUROSURGERY SKILLS WORKSHOP cont.</b></p> <p>See stations above.</p>
5:00 PM	Neurosurgery Track Adjourn