Course Faculty

Course Chair
Kim Burchiel, M.D. | OHSU NEUROLOGICAL SURGERY

Course Director
Ahmed Raslan, M.D. | OHSU NEUROLOGICAL SURGERY

Guest Faculty
Ahmed AbdelBar, M.D. | Ain Shams University
Steven Falowski, M.D. | St. Luke’s University Health Network
Kelly Foote, M.D. | University of Florida
Walid Abdel Ghany, M.D. | Ain Shams University
Ryder Gwinn, M.D. | Swedish
Simon Hanft, M.D. | Rutgers University
Michael Kinsman, M.D. | University of Kansas
Andrew Ko, M.D. | University of Washington
Albert Lee, M.D. | Indiana University
Jonathan Miller, M.D. | Case Western Reserve
Erika Petersen, M.D. | UAMS
Jeffrey Raskin, M.D. | Indiana University
Joshua Rosenow, M.D. | Northwestern University
Jason Schwalb, M.D. | Henry Ford Health System
Sameer Sheth, M.D., Ph.D. | Baylor College of Medicine
Jennifer Sweet, M.D. | Case Western Reserve
Ashwin Viswanathan, M.D. | Baylor College of Medicine
Christopher Winfree, M.D. | Columbia University
Chengyuan Wu, M.D., M.S.Bm.E. | Jefferson University

OHSU Faculty
Matthew Brodsky, M.D. | Neurology
Jeremy Ciporen, M.D. | Neurological Surgery
Lia Ernst, M.D. | Neurology
Colin Roberts, M.D. | Pediatric Neurology
Nathan Selden, M.D., Ph.D. | Neurological Surgery
David Spencer, M.D. | Neurology

Course Location
VirtuOHSU Simulation and Surgical Training Center
Richard Jones Hall, 2nd Floor
3181 SW Sam Jackson Park Rd.
Portland, OR 97239

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BRAIN INSTITUTE
Stereotactic and Functional Neurosurgery Hands-on Training Course
April 4 – 6, 2018
VirtualOHSU Simulation and Surgical Training Center
Portland, Oregon

OHSU is an equal opportunity, affirmative action institution. If you have a disability and need an accommodation to attend or participate in this event please contact nsgeducation@ohsu.edu or 503-494-6207 at least five business days prior to the event.
**Wednesday, April 4**

- **Lecture Session 1 – Richard Jones Hall**
  - 6 A.M.: Hot Breakfast Available at Residence Inn – Marriott
  - 7 A.M.: Shuttle Pickup
  - 7:15 A.M.: Registration and Continental Breakfast
- **8 A.M.: Welcome and Opening Remarks**
  - Kim Burchiel, M.D., Ahmed Raslan, M.D., Nathan Selden, M.D., Ph.D.
- **8:15 A.M.: Facial Pain Classification and Outcome Measurement**
  - Kim Burchiel, M.D.
- **8:35 A.M.: Microvascular Decompression for Cranial Nerves Compression Syndromes**
  - Jason Schwalb, M.D.
- **8:55 A.M.: Trigeminal Ganglion/Rootlets Ablation for Pain**
  - Ashwin Viswanathan, M.D.
- **9:15 A.M.: Break**
- **9:30 A.M.: DRG Stimulation for Chronic Pain**
  - Ahmed Raslan, M.D.
- **9:50 A.M.: Peripheral Nerve Stimulation for Pain**
  - Christopher Winfree, M.D.
- **10:10 A.M.: Spinal Cord Stimulation for Pain**
  - Steven Falowski, M.D.
- **10:30 A.M.: Rhizotomies for Spinal Pain**
  - Ahmed AbdelBar, M.D.
- **10:50 A.M.: Trigeminal Tractotomy**
  - Ahmed Raslan, M.D.
- **11:10 A.M.: Lunch and Group Photo**

**Lecture Session 2 – Richard Jones Hall**

- **12:30 P.M.: History and Evolution of Functional Neurosurgery**
  - Joshua Rosenow, M.D.
- **12:50 P.M.: Intrathecal Drug Delivery System for Pain**
  - Michael Kinsman, M.D.
- **1:10 P.M.: Break**
- **1:25 P.M.: Dorsal Root Entry Zone**
  - Albert Lee, M.D.
- **1:45 P.M.: Occipital Nerve Stimulation**
  - Jennifer Sweet, M.D.
- **2:05 P.M.: Cadaver Lab Pre-teaching**

**Lab Session 1 – Richard Jones Hall**

- **2:15 P.M.: DREZ | DRG | MVD | Spinal Cord Stimulation | RFL**
- **6:45 P.M.: Transition/Travel Time**

**Evening Events – Richard Jones Hall**

- 7:00 P.M.: Resident Reception
- 8:00 P.M.: Shuttle Pickup - Return to Hotel

**Thursday, April 5**

- **Lecture Session 3 – Richard Jones Hall**
  - 6 A.M.: Hot Breakfast Available at Residence Inn – Marriott
  - 7 A.M.: Shuttle Pickup
  - 7:15 A.M.: Continental Breakfast
  - 8 A.M.: Pre-surgical Localization of Epilepsy
  - David Spencer, M.D.
- **8:30 A.M.: Insular Resection for Epilepsy**
  - Chengyuan Wu, M.D., M.S.Bm.E.
- **9 A.M.: Responsive Neurostimulation**
  - Lia Ernst, M.D.
- **9:30 A.M.: Cortical Dysplasia and Extratemporal Resections in Epilepsy**
  - Nathan Selden, M.D., Ph.D.
- **10 A.M.: Temporal Lobe Resection**
  - Kim Burchiel, M.D.
- **10:30 A.M.: Break**
- **10:45 A.M.: Laser Interstitial Thermal Therapy (LITT)**
  - Simon Hanft, M.D.
- **11:15 A.M.: Laser Ablation for Pediatric Epilepsy**
  - Jeffrey Raskin, M.D.
- **11:45 A.M.: Lunch**

**Lecture Session 4 – Richard Jones Hall**

- **12:30 P.M.: Vagus Nerve Stimulation**
  - Colin Roberts, M.D.
- **12:55 P.M.: sEEG as a Clinical and Research Tool**
  - Ahmed Raslan, M.D.
- **1:20 P.M.: Deep Brain Stimulation for Psychoaffective Brain Pathways**
  - Sameer Sheth, M.D., Ph.D.
- **1:40 P.M.: Temporal Lobe Anatomy**
  - Andrew Ko, M.D.
- **2:05 P.M.: Break**
- **2:20 P.M.: Cadaver Lab Pre-teaching**

**Lab Session 2 – Richard Jones Hall**

- **2:45 P.M.: NeuroPace | NexFrame | Planning Targets**
- **6:45 P.M.: Adjourn**

**Evening Events – Doernbecher Vey Conf. Center**

- 7 P.M.: Course Dinner
- 8:30 P.M.: Shuttle Pickup - Return to Hotel

**Friday, April 6**

- **Lecture Session 5 – Richard Jones Hall**
  - 6 A.M.: Hot Breakfast Available at Residence Inn – Marriott
  - 7 A.M.: Shuttle Pickup
  - 7:15 A.M.: Continental Breakfast
  - 8 A.M.: Asleep Deep Brain Stimulation using CT
  - Kim Burchiel, M.D.
- **8:30 A.M.: Closed-loop/Adaptive Deep Brain Stimulation**
  - Kelly Foote, M.D.
- **9 A.M.: Microelectrode Recording in Functional Neurosurgery**
  - Jonathan Miller, M.D.
- **9:30 A.M.: Deep Brain Stimulation: Targets and Evolution**
  - Matthew Brodsky, M.D.
- **10 A.M.: Break**
- **10:15 A.M.: Brain-computer Interface**
  - Andrew Ko, M.D.
- **10:45 A.M.: Awake non MER Deep Brain Stimulation**
  - Erika Peterson, M.D.
- **11:15 A.M.: High Frequency Ultrasound in Functional Neurosurgery**
  - Ryder Gwinn, M.D.
- **11:45 A.M.: Lunch**
- **12:45 P.M.: Robotics in Stereotactic Neurosurgery**
  - Chengyuan Wu, M.D., M.S.Bm.E.
- **1:15 P.M.: Peripheral and Central Ablation for Spasticity**
  - Walid Abdel Ghany, M.D.
- **1:45 P.M.: Intrathecal Drug Delivery System for Spasticity**
  - Albert Lee, M.D.
- **2:15 P.M.: Break**
- **2:30 P.M.: Cadaver Lab Pre-teaching**

**Lab Session 3 – Richard Jones Hall**

- **2:45 P.M. | NeuroPace | NexFrame | Planning Targets**
- **6:45 P.M.: Adjourn**