

Course Faculty

COURSE CHAIR

Kim Burchiel, M.D. – *OHSU Neurological Surgery*

COURSE DIRECTOR

Ahmed Raslan, M.D. – *OHSU Neurological Surgery*

GUEST FACULTY

Ahmed AbdelBar, MD – *Ain Shams University*
Steven Falowski, MD – *St. Luke's University Health Network*
Kelly Foote, MD – *University of Florida*
Walid Abdel Ghany, M.D. – *Ain Shams University*
Simon Hanft, MD – *Rutgers University*
Michael Kinsman, MD – *University of Kansas*
Andrew Ko, MD – *University of Washington*
Albert Lee, MD – *Goodman Campbell*
Jonathan Miller, MD – *Case Western Reserve*
Erika Petersen, MD – *UAMS*
Jeffrey Raskin, MD – *Goodman Campbell*
Joshua Rosenow, MD – *Northwestern*
Jason Schwalb, MD – *Henry Ford Health System*
Ashwini Sharan, MD – *Jefferson University*
Sameer Sheth, MD, PhD – *Columbia University*
Konstantin Slavin, MD – *University of Illinois*
Jennifer Sweet, MD – *Case Western Reserve*
Ashwin Viswanathan, MD – *Baylor College of Medicine*
Christopher Winfree, MD – *Columbia University*
Chengyuan Wu, MD, MSBmE – *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*

OHSU BRAIN INSTITUTE

Stereotactic and Functional Neurosurgery

Hands-on Training Course

Course Location

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

Contact Information

Department of Neurological Surgery
Oregon Health & Science University,
Mail Code CH8N
3303 SW Bond Ave.
Portland, OR 97239
PHONE 503 494-6207
EMAIL nsgeducation@ohsu.edu
www.ohsu.edu/neurosurgery

April 4 - April 6, 2018

Oregon Health & Science University
VirtuOHSU Simulation and Surgical Training Center
Portland, Oregon



OHSU accepts most health plans.

OHSU is an equal opportunity, affirmative action institution.



Wednesday, April 4

LECTURE SESSION 1 - RICHARD JONES HALL

- 6:30 a.m. **Shuttle pickup @ Residence Inn - Marriott**
- 7:00 a.m. **Breakfast and Registration**
- 8:00 a.m. **Welcome and Opening Remarks**
Kim Burchiel, M.D., Ahmed Raslan, M.D., Nathan Selden, M.D., Ph.D.
- 8:15 a.m. **History and Evolution of Functional Neurosurgery**
Joshua Rosenow, M.D.
- 8:35 a.m. **Facial Pain Classification and Outcome Measurement**
Kim Burchiel, M.D.
- 8:55 a.m. **Microvascular Decompression for Cranial Nerves Compression Syndromes**
Jason Schwalb, M.D.
- 9:15 a.m. **Break**
- 9:30 a.m. **Trigeminal Ganglion/Rootlets Ablation for Pain**
Ashwin Viswanathan, M.D.
- 9:50 a.m. **DRG Stimulation for Chronic Pain**
Ahmed Raslan, M.D.
- 10:10 a.m. **Peripheral Nerve Stimulation for Pain**
Christopher Winfree, M.D.
- 10:30 a.m. **Spinal Cord Stimulation for Pain**
Steven Falowski, M.D.
- 10:50 a.m. **Rhizotomies for Spinal Pain**
Ahmed AbdelBar, M.D.
- 11:10 a.m. **Lunch and Group Photo**

LECTURE SESSION 2 - RICHARD JONES HALL

- 12:30 p.m. **Brain-computer Interface**
Andrew Ko, M.D.
- 12:50 p.m. **Occipital Nerve Stimulation**
Jennifer Sweet, M.D.
- 1:10 p.m. **Spinal Ablation for Cancer Pain**
Ashwin Viswanathan, M.D.
- 1:30 p.m. **Break**
- 1:45 p.m. **Intrathecal Drug Delivery System for Pain**
Michael Kinsman, M.D.
- 2:05 p.m. **Dorsal Root Entry Zone**
Albert Lee, M.D.
- 2:25 p.m. **Trigeminal Tractotomy**
Ahmed Raslan, M.D.
- 2:45 p.m. **Cadaver Lab Pre-teaching**

LAB SESSION 1 - RICHARD JONES HALL

- 3:00 p.m. **DREZ | DRG | MVD | Spinal Cord Stimulation**
- 7:00 p.m. **Transition/Travel Time**

EVENING - RICHARD JONES HALL

- 7:15 p.m. **Resident Reception**
- 8:30 p.m. **Shuttle Pickup - Return to Hotel**

Thursday, April 5

LECTURE SESSION 3 - RICHARD JONES HALL

- 6:30 a.m. **Shuttle Pickup @ Residence Inn - Marriott**
- 7:00 a.m. **Breakfast**
- 8:00 a.m. **Cortical Dysplasia and Extratemporal Resections in Epilepsy**
Nathan Selden, M.D., Ph.D.
- 8:30 a.m. **Laser Ablation for Pediatric Epilepsy**
Jeffrey Raskin, M.D.
- 8:50 a.m. **Temporal Lobe Resection**
Kim Burchiel, M.D.
- 9:20 a.m. **Pre-surgical Localization of Epilepsy**
David Spencer, M.D.
- 9:50 a.m. **Break**
- 10:05 a.m. **Stereo-EEG vs. Grids and Strips**
Chengyuan Wu, M.D., MSBmE
- 10:35 a.m. **Laser Interstitial Thermal Therapy**
Simon Hanft, M.D.
- 11:05 a.m. **Lunch**

LECTURE SESSION 4 - RICHARD JONES HALL

- 11:50 a.m. **Vagus Nerve Stimulation**
Colin Roberts, M.D.
- 12:15 p.m. **Responsive Neurostimulation**
Lia Ernst, M.D.
- 12:40 p.m. **Deep Brain Stimulation: Targets and Evolution**
Matthew Brodsky, M.D.
- 1:05 p.m. **Temporal Lobe Anatomy**
Andrew Ko, M.D.
- 1:30 p.m. **Break**
- 1:45 p.m. **Cadaver Lab Pre-teaching**

LAB SESSION 2 - RICHARD JONES HALL

- 2:00 p.m. **LITT | Temporal Lobectomy**
- 6:00 p.m. **Transition/Travel Time**

EVENING - DOERNBECHER VEY CONFERENCE CENTER

- 6:30 p.m. **Course Dinner**
- 8:30 p.m. **Shuttle Pickup - Return to Hotel**

Friday, April 6

LECTURE SESSION 5 - RICHARD JONES HALL

- 7:30 a.m. **Shuttle Pickup @ Residence Inn - Marriott**
- 8:00 a.m. **Breakfast**
- 9:00 a.m. **Asleep-Deep Brain Stimulation using CT**
Kim Burchiel, M.D.
- 9:30 a.m. **Closed-loop System/Adaptive Deep Brain Stimulation**
Kelly Foote, M.D.
- 10:00 a.m. **Microelectrode Recording in Functional Neurosurgery**
Jonathan Miller, M.D.
- 10:30 a.m. **Break**
- 10:45 a.m. **Deep Brain Stimulation for Psychoaffective Brain Pathways**
Sammer Sheth, M.D., Ph.D.
- 11:15 a.m. **Awake Non MER Deep Brain Stimulation**
Erika Petersen, M.D.
- 11:45 a.m. **Deep Brain Stimulation for Dementia**
Ahmed Raslan, M.D.

12:15 a.m. Lunch

LECTURE SESSION 6 - RICHARD JONES HALL

- 1:15 p.m. **Robotics in Stereotactic Neurosurgery**
Chengyuan Wu, M.D., MSBmE
- 1:45 p.m. **Peripheral and Central Ablation for Spasticity**
Walid Abdel Ghany, M.D.
- 2:15 p.m. **Intrathecal Drug Delivery System for Spasticity**
Albert Lee, M.D.
- 2:45 p.m. **Break**
- 3:00 p.m. **Cadaver Lab Pre-teaching**
- LAB SESSION 3 - RICHARD JONES HALL**
- 3:15 p.m. **NeuroPace | NexFrame | Planning Targets | RFL**
- 7:00 p.m. **Adjourn**

