

# Course Faculty

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Lia Ernst, M.D. – *Neurology*

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Nathan Selden, M.D., Ph.D. – *Neurological Surgery*

David Spencer, M.D. – *Neurology*

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## Course Location

VirtuOHSU Simulation and Surgical Training Center

Richard Jones Hall, 2nd Floor

3181 SW Sam Jackson Park Rd.

Portland, OR 97239

## Contact Information

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OHSU BRAIN INSTITUTE

# Stereotactic and Functional Neurosurgery

Hands-on Training Course

**April 5 - April 7, 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 5

## 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**  
*Konstantin Slavin, 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. **Management of Peripheral Nerve Neuralgia**  
*Andrew Zacest, M.D.*
- 10:10 a.m. **Peripheral Nerve Stimulation for Pain**  
*Christopher Winfree, M.D.*
- 10:30 a.m. **Spinal Cord Stimulation for Pain**  
*Ahmed Raslan, 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

- 12:10 p.m. **Advances in Spinal Modulation**  
*Alexander Kent, Ph.D.*
- 12:30 p.m. **Occipital Nerve Stimulation**  
*Jennifer Sweet, M.D.*
- 12:50 p.m. **Deep Brain Stimulation for Pain**  
*Andre Machado, M.D., Ph.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. **MVD | Spinal Cord Stimulation | DREZ | DRG**
- 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 6

## 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. **Temporal Lobe Resection**  
*Kim Burchiel, M.D.*
- 9:00 a.m. **Pre-surgical Localization of Epilepsy**  
*David Spencer, M.D.*
- 9:30 a.m. **Break**
- 9:45 a.m. **Stereo-EEG vs. Grids and Strips**  
*Chengyuan Wu, M.D.*
- 10:15 a.m. **Laser Interstitial Thermal Therapy**  
*Shabbar Danish, M.D.*
- 10:45 a.m. **Lunch**

## LECTURE SESSION 4 - RICHARD JONES HALL

- 11:45 a.m. **Vagus Nerve Stimulation**  
*Colin Roberts, M.D.*
- 12:15 p.m. **Responsive Neurostimulation**  
*Lia Ernst, M.D.*
- 12:45 p.m. **Deep Brain Stimulation: Targets and Evolution**  
*Matthew Brodsky, M.D.*

- 1:15 p.m. **Break**
- 1:30 p.m. **Cadaver Lab Pre-teaching**

## LAB SESSION 2 - RICHARD JONES HALL

- 1:45 p.m. **LITT | Temporal Lobectomy**
- 5:45 p.m. **Transition/Travel Time**

## EVENING - DOERNBECHER VEY CONFERENCE CENTER

- 6:15 p.m. **Dinner**
- 8:30 p.m. **Shuttle Pickup - Return to Hotel**

# Friday, April 7

## LECTURE SESSION 5 - RICHARD JONES HALL

- 6:30 a.m. **Shuttle Pickup @ Residence Inn - Marriott**
- 7:00 a.m. **Breakfast**
- 8:00 a.m. **Asleep-Deep Brain Stimulation using CT**  
*Kim Burchiel, M.D.*
- 8:30 a.m. **iMRI-guided Deep Brain Stimulation**  
*Paul Larson, M.D.*
- 9:00 a.m. **Microelectrode Recording in Functional Neurosurgery**  
*Jonathan Miller, M.D.*
- 9:30 a.m. **Break**
- 9:45 a.m. **Deep Brain Stimulation for Psychiatric Disorders**  
*Erika Petersen, M.D.*
- 10:15 a.m. **Robotics in Stereotactic Neurosurgery**  
*Chengyuan Wu, M.D.*
- 10:45 a.m. **Deep Brain Stimulation for Dementia**  
*Ahmed Raslan, M.D.*
- 11:15 a.m. **Deep Brain Stimulation for Pedunculopontine Nucleus**  
*Feridun Acar, M.D.*
- 11:45 a.m. **Lunch**

## LECTURE SESSION 6 - RICHARD JONES HALL

- 12:45 p.m. **Brain-computer Interface/Closed-loop System**  
*Andrew Ko, M.D.*
- 1:15 p.m. **Peripheral and Central Ablation for Spasticity**  
*Walid Abdel Ghany, M.D., Ph.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. **Planning Targets | NexFrame | NeuroPace | RFL**
- 7:00 p.m. **Adjourn**

