

## COURSE CHAIR

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## COURSE DIRECTOR

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Ashwin Viswanathan, M.D. | BAYLOR COLLEGE OF MEDICINE

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## OHSU FACULTY

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Matthew Brodsky, M.D. | NEUROLOGY

Jeremy Ciporen, M.D. | NEUROLOGICAL SURGERY

Lia Ernst, M.D. | NEUROLOGY

Seunggu Jude Han, M.D. | NEUROLOGICAL SURGERY

Marissa Kellogg, M.D., M.P.H. | NEUROLOGY

Paul Motika, M.D. | NEUROLOGY

Colin Roberts, M.D. | PEDIATRIC NEUROLOGY

Nathan Selden, M.D., Ph.D. | NEUROLOGICAL SURGERY

## 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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Stereotactic and Functional  
Neurosurgery Hands-on Training Course  
for Neurosurgeons, Neurologists, and  
Interventional Pain Specialists

April 3 – 5, 2019

VirtualOHSU Simulation  
and Surgical Training Center  
Portland, Oregon



## Wednesday, April 3

### LECTURE SESSION 1

- 7 A.M. Shuttle pickup
- 7:15 A.M. Breakfast and registration
- 8 A.M. Welcome and Opening Remarks  
KIM BURCHIEL, M.D., AHMED RASLAN, M.D.,  
NATHAN SELDEN M.D., PH.D.
- 8:05 A.M. Current State of Functional Neurosurgery  
JOSHUA ROSENOW, M.D.
- 8:25 A.M. Facial Pain Classification and Outcome Measurement  
KIM BURCHIEL, M.D.
- 8:45 A.M. Microvascular Decompression for Cranial Nerves  
Compression Syndromes  
JASON SCHWALB, M.D.
- 9:05 A.M. Trigeminal Pathway Ablation for Pain  
KONSTANTIN SLAVIN, M.D.
- 9:25 A.M. Break
- 9:40 A.M. Opioid Crisis and Neuromodulation  
CHRISTOPHER WINFREE, M.D.
- 10:00 A.M. Spinal Cord Stimulation for Pain  
STEVEN FALOWSKI, M.D.
- 10:20 A.M. DRG Stimulation for Chronic Pain  
AHMED RASLAN, M.D.
- 10:40 A.M. Pituitary Ablation for Cancer Pain  
SHARONA BEN-HAIM, M.D.
- 11:00 A.M. Spinal Ablation for Cancer Pain (Cordotomy,  
Myelotomy, and Tractotomy)  
ASHWIN VISWANATHAN, M.D.
- 11:20 A.M. Lunch Lecture – Discovery and Innovation in  
Functional Neurosurgery  
DIRK DERIDDER, M.D.

### LECTURE SESSION 2

- 12:40 P.M. Rhizotomies for Spinal Pain  
AHMED ABDELBAR, M.D.
- 1:00 P.M. Intrathecal Drug Delivery System (IDDS) for Pain  
ALBERT LEE, M.D.
- 1:20 P.M. Dorsal Root Entry Zone (DREZ)  
MICHAEL KINSMAN, M.D.
- 1:40 P.M. Management of Peripheral Nerve Neuralgia  
ANDREW ZACEST, M.D.
- 2:00 P.M. Break
- 2:15 P.M. Cadaver Lab Pre-teaching  
AHMED RASLAN, M.D.

### LAB SESSION 1

- 2:30 P.M. DREZ | DRG Demo | MVD | Spinal Cord Stimulation | RFL

### EVENING EVENTS

- 6:30 P.M. Change Clothes
- 6:45 P.M. Shuttle Return to Hotel

## Thursday, April 4

### LECTURE SESSION 3

- 7 A.M. Shuttle pickup
- 7:15 A.M. Breakfast
- 8 A.M. Seizure Medication – Updates on New Drugs  
MARISSA KELLOGG, M.D.
- 8:25 A.M. Pre-surgical Localization of Epilepsy  
DAVID SPENCER, M.D.
- 8:50 A.M. Insular Epilepsy  
BARBARA JOBST, M.D.
- 9:15 A.M. Insular Resection for Epilepsy  
CHENGYUAN WU, M.D., M.S.BM.E.
- 9:40 A.M. Responsive Neurostimulation (RNS)  
LIA ERNST, M.D.
- 10:05 A.M. Break
- 10:20 A.M. SEEG as a Clinical and Research Tool  
JORGE GONZALEZ-MARTINEZ, M.D.
- 10:45 A.M. SEEG Outcomes  
LARA JEHI, M.D.
- 11:10 A.M. Cortical Dysplasia and Extratemporal  
Resections in Epilepsy  
NATHAN SELDEN, M.D., PH.D.
- 11:35 A.M. Temporal Lobe Resection  
KIM BURCHIEL, M.D.
- 12 P.M. Laser Interstitial Thermal Therapy (LITT)  
SHABBAR DANISH, M.D.
- 12:25 P.M. Lunch

### LECTURE SESSION 4

- 1:10 P.M. DBS for Epilepsy  
ROBERT FISHER, M.D., PH.D.
- 1:35 P.M. Vagus Nerve Stimulation (VNS)  
COLIN ROBERTS, M.D.
- 2:00 P.M. Disconnection Surgery  
JEFFREY RASKIN, M.D.
- 2:25 P.M. Break
- 2:40 P.M. Anatomy Review and Cadaver Lab Pre-teaching  
ANDREW KO, M.D.

### LAB SESSION 2 / HANDS-ON SESSION 1

- 3:00 P.M. Neurosurgical Residents  
LITT | Temporal Lobectomy  
ALL NEUROSURGICAL FACULTY
- 3:00 P.M. Neurology Residents  
VNS Programing | RNS Programing | SEEG Planning  
ALL NEUROLOGY FACULTY

### EVENING EVENTS

- 6:30 P.M. Change Clothes | Travel Time
- 7 P.M. SFN Course Dinner
- 9 P.M. Shuttle Return to Hotel

## Friday, April 5

### LECTURE SESSION 5

- 7 A.M. Shuttle pickup
- 7:15 A.M. Breakfast
- 8 A.M. Asleep – DBS using CT  
KIM BURCHIEL, M.D.
- 8:25 A.M. Awake DBS  
ERIKA PETERSEN, M.D.
- 8:50 A.M. Microelectrode Recording in Functional Neurosurgery  
JONATHAN MILLER, M.D.
- 9:15 A.M. Directional DBS  
MATTHEW BRODSKY, M.D.
- 9:40 A.M. Break
- 9:55 A.M. Closed-loop/Adaptive DBS and Directional DBS  
KELLY FOOTE, M.D.
- 10:20 A.M. DBS for Obesity  
CASEY HALPERN, M.D.
- 10:45 A.M. DBS for Psychoaffective Brain Pathways  
SAMEER SHETH, M.D., PH.D.
- 11:10 A.M. CNS Ablation in Movement Disorders  
ZEIAD YOUSRY, M.D., M.R.C.S, Ph.D.
- 11:35 A.M. Lunch and DBS panel discussion  
DBS FACULTY

### LECTURE SESSION 6 / HANDS-ON SESSION 2

- 12:55 P.M. Neurology Residents  
DBS Programming  
ALL NEUROLOGY FACULTY  
  
\*Course adjourns for neurology learners once hands-on  
session concludes, approximately 3:00 P.M.\*
- 12:55 P.M. Indirect Neuromodulation in Pediatric CP Hypertonia -  
The Peripheral Ablation  
WALID ABDEL GHANY, M.D.
- 1:20 P.M. IDDS for Spasticity  
ALBERT LEE, M.D.
- 1:45 P.M. Functional Cortical and Subcortical Localization  
SEUNGGU JUDE HAN, M.D.
- 2:10 P.M. Brain-computer Interface  
ANDREW KO, M.D.
- 2:35 P.M. Robotic Functional Neurosurgery  
AHMED RASLAN, M.D.
- 3:00 P.M. Break
- 3:15 P.M. Cadaver Lab Pre-teaching  
AHMED RASLAN, M.D.

### LAB SESSION 3

- 3:30 P.M. Neurosurgical Residents  
NeuroPace | NexFrame | Planning Targets  
ALL NEUROLOGY FACULTY
- 7:30 P.M. Course Adjourns