

THE OHSU DEPARTMENT OF NEUROLOGICAL SURGERY

# STEREOTACTIC AND FUNCTIONAL NEUROSURGERY COURSE 2026



April 15 – 17, 2026

Oregon Health & Science University  
Portland, OR

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Shabbar Danish, M.D. | JERSEY SHORE UNIVERSITY

Shadi Dayeh, Ph.D., M.S. | UNIVERSITY OF CALIFORNIA, SAN DIEGO

Steven Falowski, M.D. | NEUROSURGERY ASSOCIATES OF LANCASTER, PA

Alfonso Fasano, M.D., Ph.D. | UNIVERSITY OF TORONTO

Zeiad Yossry Fayed, M.D., Ph.D. | AIN SHAMS UNIVERSITY, EGYPT

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Vanessa Milanese Holanda, M.D., Ph.D. | A BENEFICENCIA PORTUGUESA HOSPITAL, SAO PAULO, BRAZIL

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Joohee Jimenez-Shahed, M.D. | MOUNT SINAI WEST

Michael Kinsman, M.D. | UNIVERSITY OF KANSAS

Andrew Ko, M.D. | UNIVERSITY OF WASHINGTON

Vibhor Krishna, M.D., M.S. | UNIVERSITY OF NORTH CAROLINA

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## **Wednesday April 15 – DAY 1 – PAIN**

6:30 A.M. Shuttle Pickup

### **7:00 A.M. Registration and Continental Breakfast in OHSU Auditorium Library Great Hall**

7:45 A.M. Welcome, Opening Remarks, Kim Burchiel, M.D., Ahmed Raslan, M.D.

8:00 A.M. Facial Pain Classification and Outcomes - Kim Burchiel, M.D.

8:15 A.M. Current and Future States of Functional Neurosurgery – Joshua Rosenow, M.D.

8:30 A.M. Business Considerations and Job Search in Functional Neurosurgery – Joseph Neimat, M.D., M.S.

8:45 A.M. Microvascular Decompression for Cranial Nerve Compression Syndromes - Chris Honey, M.D., D.Phil.

### **9:00 A.M. Break in Library Great Hall**

9:15 A.M. Basic Principles of Neuromodulation - Kunal Gupta, M.D., Ph.D.

9:30 A.M. DRG Stimulation for Pain - Steven Falowski, M.D.

9:45 A.M. DBS for Pain - Sharona Ben-Haim, M.D.

10:00 A.M. SCS for Pain – Julie Pilitsis, M.D., Ph.D., M.B.A.

### **10:15 A.M. Vendor Exhibit Session, Library Side Rooms**

10:45 A.M. IDDS for Pain and Spasticity - Albert Lee, M.D.

11:00 A.M. Spinal Ablation for Cancer Pain (Cordotomy, Myelotomy, and Tractomy) - Ashwin Viswanathan, M.D.

11:15 A.M. Spinal Ablation for Chronic Pain - Ahmed Abdelbar Salem, M.D., Ph.D.

11:30 A.M. Dorsal Root Entry Zone (DREZ) - Michael Kinsman, M.D.

### **11:45 A.M. Course Group Photo followed by Lunch in Richard Jones Hall Atrium (3<sup>rd</sup> floor)**

1:00 P.M. Focused Ultrasound Thalamotomy for Neuropathic Pain – Justin Cheng-chia Lee, M.D., Ph.D.

1:15 P.M. VNS Rediscovered – Ahmed Raslan, M.D.

1:30 P.M. Cadaver Lab Pre-Teaching – Ahmed Raslan, M.D.

1:45 P.M. Intro to VirtuOHSU – Nicole Desmarais, L.A.T.G.

### **2:00 P.M. Break in Library Great Hall**

#### **2:15 P.M. Pain Lab Session in VirtuOHSU**

2:15 P.M. SCS | DREZ | DRG Demo (Kinsman, Ben-Haim, Ko, Abdelbar Salem)

2:15 P.M. MVD (Burchiel)

6:00 P.M. End of Lab

6:00 P.M. Shuttle pickup outside Library – To hotel, followed by the MAC

### **7:30 PM Evening Event: Faculty Banquet Dinner at the Multnomah Athletic Club (MAC)**

(6:30 P.M room and tables set)

9:30 P.M. Faculty group / individual Lyft back to hotel.



## Thursday, April 16 - DAY 2 – EPILEPSY

6:30 A.M. Shuttle Pickup at Hotel

### **7:00 A.M. Continental Breakfast in OHSU Auditorium Library Great Hall**

7:45 A.M. Who is a Candidate for Epilepsy Surgery? - Marissa Kellogg, M.D.

8:00 A.M. Pre-surgical Localization of Epilepsy - David Spencer, M.D.

8:15 A.M. New Non-surgical Approaches for Drug Resistant Epilepsy: Lesioning or Neuromodulation? – Justin Cheng-chia Lee, M.D., Ph.D.

8:30 A.M. Mechanisms of Onset and Termination of Epilepsy – Hai Sun, M.D., Ph.D.

### **8:45 A.M. Break in Library Great Hall**

9:00 A.M. High Channel Count Electrophysiology – Shadi Dayeh, Ph.D.

9:15 A.M. Passive and Active Brain Mapping – Nathan Crone, M.D.

9:30 A.M. Visual Restoration Using BCI – Nader Pouratian, M.D., Ph.D.

9:45 A.M. sEEG As a Clinical and Research Tool – Chengyuan Wu, M.D.

### **10:00 A.M. Vendor Exhibit Session, Library Side Rooms**

10:30 A.M. Responsive Neurostimulation (RNS) – Lia Ernst, M.D.

10:45 A.M. DBS for Epilepsy – Kai Miller, M.D., Ph.D.

11:00 A.M. Vagus Nerve Stimulation (VNS) – Ittai Bushlin, M.D., Ph.D.

11:15 A.M. Psychoaffective Brain Pathways – Sameer Sheth, M.D., Ph.D.

### **11:30 A.M. Lunch in Richard Jones Hall Atrium (3<sup>rd</sup> floor)**

12:30 P.M. Temporal Lobe Resection – Jason Schwalb, M.D.

12:45 P.M. Laser Interstitial Thermal Therapy – Shabbar Danish, M.D.

1:00 P.M. Cortical Dysplasia and Extratemporal Resections in Epilepsy -Jeffrey Raskin, M.D., M.S.

1:15 P.M. Disconnection Surgery, Neena Marupudi, M.D., M.S.

### **1:30 P.M. Break in Library Great Hall**

1:45 P.M. Brain Mapping in Children - Kelly Collins, M.D.

2:00 P.M. Radiosurgery Lecture – Shabbar Danish, M.D.

2:15 P.M. Epilepsy Genetics – Dr. Annapurna Poduri, M.D. M.P.H.

2:30 P.M. Anatomy Review | Cadaver Lab Pre-teaching - Andrew Ko, M.D.

### **2:45 P.M. Break / Transition to Lab, RJH 2<sup>nd</sup> floor**

### **3:00 P.M. Neurology Lab: Neurostimulator Programming for Epilepsy RNS & DBS, VirtuOHSU (Ernst)**

### **3:00 P.M. NEUROSURGERY Epilepsy Lab Session in VirtuOHSU**

3:00 P.M. LITT (Danish, Raskin, Lipson, Grannan, Gupta, Hanft)

3:00 P.M. Temporal Lobectomy (Ben-Haim, Ko, Burchiel, Cleary, Collins, Grannan)

6:00 P.M. End of Lab / Change / Break

6:30 P.M. Walk to dinner on campus from Lab

### **Evening Event: Course Banquet at OHSU Doernbecher Children's Hospital, Vey Lobby**

7:00 P.M. Course Dinner (Catered Buffet by Elephant's Delicatessen)

8:30 - 9:15 P.M. Shuttle Pickup - Return to Hotel or use Lyft code

## **Friday, April 17 - DAY 3 – MOVEMENT DISORDERS**

6:30 A.M. Shuttle Pickup at Hotel

### **7:00 A.M. Continental Breakfast in OHSU Auditorium Library Great Hall**

7:45 A.M. Target Selection for Movement Disorder Surgery - Joohi Jimenez-Shahed, M.D.

8:00 A.M. DBS: Awake or Asleep? – Kim Burchiel, M.D.

8:15 A.M. Imaging Based Target for DBS – Harith Akram, MBChB, Ph.D.

8:30 A.M. Tractographic Basis of DBS Mechanism of Action – Vanessa Milanese Holanda, M.D., Ph.D.

### **8:45 A.M. Break in Library Great Hall**

9:00 A.M. Troubleshooting Programming in DBS – Shannon Anderson, MPAS, PA-C

9:15 A.M. Closed-loop/Adaptive DBS - Kelly Foote, M.D.

9:30 A.M. A Neurology Perspective: Focused Ultrasound vs DBS – Alfonso Fasano, M.D., Ph.D.

9:45 A.M. New Indications for Focused Ultrasound in Neurosurgery (High-Intensity & Low-Intensity Focused Ultrasound) – Vibhor Krishna, M.D.

### **10:00 A.M. Vendor Exhibit Session, Library Side Rooms**

10:30 A.M. Focused Ultrasound for Movement Disorders - Daniel Cleary, M.D., Ph.D.

10:45 A.M. Radiofrequency CNS Ablation in Movement Disorders - Zeiad Fayed, M.D., Ph.D.

11:00 A.M. Stimulation of the PSA for Tremors – Atilla Yilmaz, M.D.

11:15 A.M. Peripheral Nerve Stimulation for Pain – Konstantin Slavin, M.D.

### **11:45 A.M. Lunch in Richard Jones Hall Atrium (3<sup>rd</sup> floor)**

12:45 P.M. Integrating Research into Clinical Practice: The Case of Language Prediction – Ben Grannan, M.D.

1:00 P.M. Indirect Neuromodulation in Pediatric CP Hypertonia: The Peripheral Ablation – Walid Abdel Ghany, M.D., Ph.D.

1:15 P.M. Cadaver Lab Pre-teaching - Ahmed Raslan, M.D.

1:30 P.M. Course Wrap-Up & Book Awards

### **1:45 P.M. Break / Transition to Lab, RJH 2<sup>nd</sup> floor**

**1:00 P.M. NEUROLOGY LAB - DBS Programing for Movement Disorders, VirtuOHSU Classroom/Auditorium**  
(Anderson, Jimenez-Shahed, Safarpour)

### **2:00 P.M. NEUROSURGERY LAB**

NeuroPace/ROSA Robot (Kinsman, Ko, Raskin, Oliveria)

ClearPoint Neuro (Burchiel, Cleary, Lipson, Oliveria)

Brainlab (Foote, Fayed, Ben-Haim, Oliveria)

Globus / Robotic SEEG (Kinsman, Ko, Raskin, Aziz)

Alpha Omega Engineering MER Unit (Cleary)

### **6:00 P.M. – Course Adjourns**

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