

COURSE CHAIR

Ahmed Raslan, M.D. | OHSU NEUROLOGICAL SURGERY

COURSE DIRECTORS

Shannon Anderson, M.P.A.S., PA-C | OHSU NEUROLOGY

Kim Burchiel, M.D. | OHSU NEUROLOGICAL SURGERY

David Spencer, M.D. | OHSU NEUROLOGY

GUEST FACULTY

Sharona Ben-Haim, M.D. | UC SAN DIEGO HEALTH

Nathan Crone, M.D. | JOHNS HOPKINS

Shabbar Danish, M.D. | RUTGERS UNIVERSITY

Shadi Dayeh, Ph.D. | UC SAN DIEGO

Dawn Eliashiv, M.D. | UCLA MEDICAL CENTER

Kelly Foote, M.D. | UNIVERSITY OF FLORIDA

Walid Abdel Ghany, M.D., Ph.D. | AIN SHAMS UNIVERSITY

Jorge Gonzalez-Martinez, M.D., Ph.D. | UNIVERSITY OF PITTSBURGH

Alex Green, M.D. | OXFORD UNIVERSITY

Kunal Gupta, MBBCH, Ph.D. | INDIANA UNIVERSITY

Simon Hanft, M.D. | RUTGERS UNIVERSITY

Christopher Honey, M.D., D.Phil. | UNIVERSITY OF BC

Zvi Israel, M.D. | HADASSAH MEDICAL CENTER

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

Seth F. Oliveria, MD | PROVIDENCE PORTLAND

Kiran Patel, M.D. | ST. CLAIR HEALTH

Erika Petersen, M.D. | UNIVERSITY OF ARKANSAS FOR MEDICAL SCIENCES

Julie Pilitsis, M.D., Ph.D. | ALBANY MEDICAL COLLEGE

Adolfo Ramirez - Zamora, M.D. | UNIVERSITY OF FLORIDA

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

Konstantin Slavin, M.D. | UNIVERSITY OF ILLINOIS

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

Jon Willie, M.D., Ph.D. | EMORY UNIVERSITY

Zeiad Yousry, M.D., Ph.D. | AIN SHAMS UNIVERSITY

OHSU FACULTY

Matthew Brodsky, M.D. | OHSU NEUROLOGY

Lia Ernst, M.D. | OHSU NEUROLOGY

Marissa Kellogg, M.D. | OHSU NEUROLOGY

Paul Motika, M.D. | OHSU NEUROLOGY

OHSU FACULTY

Colin Roberts, M.D. | OHSU NEUROLOGY

Delaram Safarpour, M.D. | OHSU NEUROLOGY

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

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www.ohsu.edu/school-of-medicine/neurosurgery/sfn-course



BRAIN
Institute

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.



BRAIN
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Stereotactic and Functional
Neurosurgery Course for
Neurosurgeons and Neurologists

Wednesday, April 6 – Friday, April 8, 2022

Wednesday, April 6

LECTURE SESSION 1 - Pain

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.

8:05 A.M. Facial Pain Classification and Outcome Measurement

Kim Burchiel, M.D.

8:25 A.M. Microvascular Decompression for Cranial Nerves Compression Syndromes

Christopher Honey, M.D., D.Phil.

8:45 A.M. Trigeminal Pathway Ablation for Pain

Jason Schwalb, M.D.

9:05 A.M. Break

9:20 A.M. DBS for Pain

Alex Green, M.D.

9:40 A.M. Pituitary Ablation for Cancer Pain

Sharon Ben-Haim, M.D.

10:00 A.M. Spinal Ablation for Cancer Pain (Cordotomy, Myelotomy, and Tractomy)

Ashwin Viswanathan, M.D.

10:20 A.M. Current State of Functional Neurosurgery

Joshua Rosenow, M.D.

10:40 A.M. Lunch and Group Photo

Lecture Session 2 – Richard Jones Hall

11:25 A.M. DRG/SCS Stimulation for Pain

Kiran Patel M.D.

11:45 A.M. Peripheral Nerve Stimulation for Pain

Konstantin Slavin, M.D.

12:05 P.M. Dorsal Root Entry Zone (DREZ)

Michael Kinsman, M.D.

12:25 P.M. Break

12:45 P.M. Cadaver Lab Pre-teaching

Lab Session 1 – Richard Jones Hall

1:00 P.M. MVD | SCS | DRG | RFL

1:15 P.M. DREZ | DRG | MVD | | RFL

5:15 P.M. Transition/Travel Time

Evening Events – Richard Jones Hall

5:45 P.M. Shuttle pickup - Return to Hotel

7:00 P.M. Shuttle pickup – Faculty at Hotel

7:30 P.M. Faculty Dinner

Thursday, April 7

LECTURE SESSION 3 – Epilepsy

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

7:35 A.M. Seizure Medication - Updates on New Drugs

Marissa Kellogg, M.D.

8:00 A.M. Pre-surgical Localization of Epilepsy

David Spencer, M.D.

8:25 A.M. Responsive Neurostimulation (RNS)

Lia Ernst, M.D.

8:50 A.M. Vagus Nerve Stimulation (VNS)

Colin Roberts, M.D.

9:15 A.M. DBS for Epilepsy

Dawn Eliashiv, M.D.

9:40 A.M. Cortical Dysplasia and Extratemporal Resections in Epilepsy

Nathan Selden, M.D., Ph.D.

10:10 A.M. Break

10:25 A.M. sEEG as a Clinical and Research Tool

Jorge Gonzalez-Martinez, M.D.

10:50 A.M. Functional and Seizure Mapping *Virtual

Nathan Crone, M.D.

11:15 A.M. Insular Epilepsy *Virtual

Jon Willie, M.D.

11: 40 A.M. Hybrid Surgical Therapy for Epilepsy Lunch

Seth Oliveria, M.D.

12:05 P.M. Lunch

Lecture Session 4 – Richard Jones Hall

12:50 P.M. Temporal Lobe Resection

Kim Burchiel, M.D.

1:15 P.M. Disconnection Surgery

Jeffrey Raskin, M.D.

1:40 P.M. Laser Interstitial Thermal Therapy (LITT)

Shabbar Danish, M.D.

2: 05 P.M. Studying the Brain Connectomics for Improving Surgural Outcomes After

Brain Resections

Simon Hanft, M.D.

2:30 P.M. Development of High Resolution, High Capacity Neural Biointerfaces

Shadi Dayeh, Ph.D.

2:55 P.M. Break

3:05 Anatomy Review | Cadaver Lab Pre-teaching

Andrew Ko, M.D.

Lab Session 2 – Richard Jones Hall

(Neurology Group)

3:25 P.M. Temporal Lobectomy Observation

5:10 P.M. Neurostimulator Programing for Epilepsy DBS | RNS

DBS: Dawn Eliashiv

RNS: Lia Ernst/Paul Motika

3:25 P.M. LITT | Temporal Lobectomy

Evening Events – Biomedical Information Communication Center (Gallery)

6:50 P.M. Change clothes | Travel Time

7:10 P.M. Course Dinner

8:45 P.M. Shuttle Pickup - Return to Hotel

Friday, April 8

LECTURE SESSION 5 – Movement Disorders

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

8:00 A.M. SCS II for Pain (Advanced Use and Technology) *Virtual

Julie Pilitsis, M.D., Ph.D.

8:20 A.M. Target Selection for Movement Disorder Surgery

Delaram Safarpour, M.D.

8:40 A.M. CNS Ablation in Movement Disorders

Zeiad Fayed, M.D., Ph.D.

9:00 A.M. High Frequency Ultrasound

Michael Kinsman, M.D.

9:20 A.M. Break

9:35 A.M. Asleep DBS without MER

Kim Burchiel, M.D.

9:55 A.M. Awake DBS without MER *virtual

Erika Petersen, M.D.

10:15A.M. Asleep DBS with MER *Virtual

Zvi Israel, M.D.

10:35 A.M. Awake DBS with MER

Jonathan Miller, M.D.

10:55 A.M. Break

11:10 A.M. Advances in Neuromodulation

Adolfo Ramirez-Zamora, M.D.

11:30 A.M. Closed-loop/Adaptive DBS

Kelly Foote, M.D.

11:50 A.M. DBS for Psychoaffective Brain Pathways

Sameer Sheth, M.D., Ph.D.

12:10 P.M. Lunch

Lecture Session 6 – Richard Jones Hall

1:10 P.M. Indirect Neuromodulation in Pediatric CP Hypertonia: The Peripheral Ablation

Walid Abdel Ghany, M.D., Ph.D.

1:30 P.M. IDDS for Pain and Spasticity

Albert Lee, M.D.

1:50 PM Advances Functional Cortical and Subcortical Localization

Ahmed Raslan, M.D.

2:10 P.M. Brain-computer Interface

Andrew Ko, M.D.

2:30 P.M. Break

2:45 P.M. Cadaver Lab Pre-teaching

Ahmed Raslan, M.D.

3:00 P.M. NeuroPace | NexFrame | Planning Targets | Robotic SEEG

Lab Session 3 – Richard Jones Hall

1:10 P.M. (Neurology Group) DBS Planning and Programing for Movement Disorders

3:00 P.M. NeuroPace | NexFrame | Planning Targets | Robotic SEEG

7: 00 P.M. Adjourn