

AGENDA

Brain Stimulation CME Course

Thursday and Friday
October 29-30, 2026

Day 1: Thursday, October 29, 2026

08:30 am – 09:00 am Check-in & Breakfast

I. Welcome and Course Overview

09:00 am – 09:10 am Course goals & learning objectives
CME requirements, disclosures, logistics
Roy Hamilton, MD, MS, Professor of Neurology

INVASIVE NEUROMODULATION

II. Surgical Foundations of Invasive Neuromodulation

9:10 am – 9:30 am Principles of device implantation
Iahn Cajigas, MD, PhD, Assistant Professor of Neurosurgery and Bioengineering

III. Invasive Neuromodulation Modalities – Part 1: DBS

9:30 am – 09:45 am Technology and mechanisms
Iahn Cajigas, MD, PhD, Assistant Professor of Neurosurgery and Bioengineering

9:45 am – 10:10 am Movement disorders
Meredith Spindler, MD, Professor of Clinical Neurology

10:10 am – 10:30 am Epilepsy indications & programming
Ramya Raghupathi, MD, Associate Professor of Clinical Neurology

10:30 am – 10:45 am BREAK

III. Invasive Neuromodulation Modalities – Part 1: DBS (Cont'd)

10:45 am – 11:05 am Psychiatric applications (depression, OCD)
Katherine Scangos, MD, PhD, Associate Professor of Neurosurgery

11:05 am – 11:25 am Future directions: pain, biomarkers, image-guided & adaptive DBS
Pavan Vaswani, MD, PhD, Assistant Professor of Clinical Neurology

11:25 am – 11:40 am Panel Discussion (Sessions II & III)



IVa. Invasive Neuromodulation Modalities – Part 2: Vagus Nerve Stimulation (VNS)

11:40 am – 11:55 am	Technology and Mechanisms <i>Taneeta Mindy Ganguly, MD, Associate Professor of Clinical Neurology</i>
11:55 am – 12:10 pm	Epilepsy programming <i>Bethany Thomas, DNP, Epilepsy Nurse Practitioner - Neurology</i>
12:10 pm – 12:25 pm	Psychiatric applications of VNS: unipolar and bipolar depression <i>Yvette Sheline, MD, McLure Professor of Psychiatry and Behavioral Research</i>
12:25 pm – 12:35 pm	Panel Discussion (Session IV – Part 2 - VNS)

12:35 pm – 1:35 pm LUNCH BREAK

(Informal discussion / networking; industry tables)

IVb. Invasive Neuromodulation Modalities – Part 2 (Cont'd): Closed-Loop Invasive Neuromodulation

01:35 pm – 01:55 pm	Responsive Neurostimulation (RNS) <i>Taneeta Mindy Ganguly, MD, Associate Professor of Clinical Neurology</i>
01:55 pm – 02:10 pm	Adaptive DBS <i>Lauren Hammer, MD, PhD, Assistant Professor of Neurology</i>
02:10 pm – 02:25 pm	Panel Discussion (Session IVb – Part 2 cont'd - RNS, adaptive DBS)

NONINVASIVE NEUROMODULATION – TMS FOCUS

Va. Noninvasive Neuromodulation – Part 1: TMS (Foundations & Current Indications)

02:25 pm – 02:40 pm	TMS technology & mechanisms <i>H. Branch Coslett, MD, Professor of Neurology</i>
02:40 pm – 03:00 pm	TMS for Depression: treatment resistance and personalized neuromodulation <i>Yvette Sheline, MD, McLure Professor of Psychiatry and Behavioral Research</i>
03:00 pm – 03:25 pm	TMS in OCD, anxiety disorders, and smoking cessation <i>Nicholas Balderston, PhD, Associate Professor of Psychiatry</i>

03:25 pm – 03:40 pm BREAK

Vb. Noninvasive Neuromodulation – Part 2: TMS (Current and Emerging Treatment Approaches)

03:40 pm – 03:55 pm	Practical treatment selection & sequencing <i>Mario A. Cristancho, MD, Associate Professor of Clinical Psychiatry</i>
03:55 pm – 04:15 pm	Accelerated & novel protocols (iTBS, SAINT, multi-session/day) <i>Mario A. Cristancho, MD, Associate Professor of Clinical Psychiatry</i>



04:15 pm – 04:35 pm Targeting strategies: anatomical landmarks and brain networks
Desmond J. Oathes, PhD, Associate Professor of Psychiatry

04:35 pm – 04:50 pm Panel Discussion (Sessions Va and Vb)

VI. Low-Intensity Focused Ultrasound

4:50 pm – 5:20 pm Technology, mechanisms, neurologic & psychiatric applications
Charles Palmer III, MD, Assistant Professor of Neurology

5:20 pm – 5:30 pm Q&A: LIFU Only

5:30 pm Day 1 Adjourn

Day 2: Friday, October 30, 2026

08:30 am – 09:00 am Check-in & Breakfast

VII. Welcome and Course Overview

09:00 am – 09:05 am Day 2 Welcome and Announcements/Reminders
Roy Hamilton, MD, MS, Professor of Neurology

VIII. tDCS

9:05 am – 09:20 am Technology, mechanisms, at-home stimulation
Kelly Sloane, MD, Assistant Professor of Neurology

9:20 am – 09:40 am tDCS use in depression
Andre Brunoni, MD, PhD; Sherry Gold Knopf Crasilneck Distinguished Chair in Psychiatry, UT Southwestern Medical Center (talk via zoom)

IX. Electroconvulsive Therapy

9:40 am – 09:50 am Technology and mechanisms
Mario A. Cristancho, MD, Associate Professor of Clinical Psychiatry

9:50 am – 10:10 am Clinical indications
Mario A. Cristancho, MD, Associate Professor of Clinical Psychiatry

10:10 am – 10:20 Emerging scientific insights/Cortical spreading depolarization
Zachary Rosenthal, MD, PhD, Attending Psychiatrist/Postdoctoral Researcher

10:20 am – 10:35 am Panel Discussion (Sessions VIII and IX)

10:35 am – 10:50 am BREAK

X. Implementing Neuromodulation in Clinical Practice



10:50 am – 11:05 am	Multidisciplinary presurgical assessments <i>Pavan Vaswani, MD, PhD, Assistant Professor of Clinical Neurology</i>
11:05 am – 11:20 pm	At-home neuromodulation devices <i>Golkoo Hosseini, MD, Assistant Professor of Psychiatry</i>
11:20 pm – 11:50 pm	Neuropsychological evaluation of cognition – Movement disorders – <i>Baochan Tran, PsyD, Neuropsychology/Neurology</i> – Epilepsy – <i>Jennifer Tinker, PhD, Clinical Associate Professor Neuropsychology, Thomas Jefferson University</i>
11:50 am – 12:10 pm	Integrating APPs into neuromodulation clinics <i>Tara D. Jennings, CRNP, Epilepsy Nurse Practitioner - Neurology</i>
12:10 pm – 12:25 pm	Panel Discussion (Session X)
12:25 pm – 12:30 pm	Day 2 Adjourns