

# Mayo Clinic: Stimulation Therapies for Epilepsy

September 13-15, 2023

Hilton Rochester Mayo Clinic Area, Rochester, MN

Wednesday, September 13, 2023	
Time	Session Title
5:00 p.m.	Registration
Pre-meeting Workshop: Deep Brain Stimulation for Movement Disorders and More	
6:00 p.m.	<b>Introduction:</b> Kai Miller, M.D, Ph.D.
6:10 p.m.	When Enough is Enough: Stimulation for Movement Disorders <i>Bryan Klassen, M.D.</i>
6:30 p.m.	Essential Tremor DBS <i>Jonathon Parker, M.D., Ph.D.</i>
6:50 p.m.	DBS for Parkinson's Disease <i>Kai Miller, M.D., Ph.D.</i>
7:10 p.m.	Ablation and Stimulation for Movement Disorders <i>Sangeet Grewal, M.D.</i>
7:30 p.m.	Stimulation for Pain <i>Rushna Ali, M.D.</i>
7:50 p.m.	Stimulation for Psychiatric Disease and new Frontiers <i>Kendall Lee, M.D., Ph.D.</i>
8:10 p.m.	Discussion
8:30 p.m.	<b>Adjourn</b>

<b>Thursday, September 14, 2023</b>		
<b>Time</b>	<b>Session Title</b>	
<b>7:15 a.m.</b>	<b>Registration and Breakfast</b>	
7:50 a.m.	<b>Welcome &amp; Introductory Remarks:</b> Brian Lundstrom, M.D., Ph.D.	
<b>Session 1: Stimulation Introduction</b>		
8:00 a.m.	History and Ethical Considerations <i>Greg Worrell, M.D., Ph.D.</i>	
8:20 a.m.	Patient Selection <i>Amy Crepeau, M.D.</i>	
8:40 a.m.	Physiology and Electricity <i>Keith Starnes, M.D.</i>	
<b>Session 2: Vagus Nerve Stimulation for Epilepsy</b>		
9:00 a.m.	Surgical Approach <i>Sanjeet Grewal, M.D.</i>	
9:20 a.m.	Programming and Cases <i>Cornelia Drees, M.D.</i>	
9:40 a.m.	Recent Advances <i>Cornelia Drees, M.D.</i>	
10:00 a.m.	Discussion	
10:10 a.m.	<b>Refreshments and Poster Presentations</b>	
<b>Session 3: Responsive Neurostimulation for Epilepsy</b>		
10:40 a.m.	Surgical Approach <i>Jonathon Parker, M.D., Ph.D.</i>	
11:00 a.m.	Programming and Cases <i>Vikram Rao, M.D., Ph.D.</i>	
11:20 a.m.	Recent Advances <i>Vikram Rao, M.D., Ph.D.</i>	
11:40 a.m.	Discussion	
12:00 p.m.	<b>Lunch and Poster Presentations</b>	
<b>Session 4: Deep Brain Stimulation for Epilepsy</b>		
1:00 p.m.	Surgical Approach <i>Jamie Van Gompel, M.D.</i>	
1:20 p.m.	Programming and Cases <i>Nicholas Gregg, M.D.</i>	
1:40 p.m.	Recent Advances <i>Nicholas Gregg, M.D.</i>	
2:00 p.m.	Discussion	
2:15 p.m.	<b>Refreshments and Poster Presentations</b>	
<b>Session 5: Hands-on Small Groups</b>		
2:45 p.m.	Cycle 1	VNS Programming — <i>William Tatum, D.O., Cornelia Drees, M.D., Keith Starnes, M.D.</i> RNS Programming — <i>Amy Crepeau, M.D., Vikram Rao, M.D., Ph.D.</i> DBS Programming — <i>Nicholas Gregg, M.D., Greg Worrell, M.D., Ph.D.</i>
3:30 p.m.	Cycle 2	
4:15 p.m.	Cycle 3	
5:00 p.m.	<b>Social Hour &amp; Dinner – 4th Floor Foyer</b>	

**\*Published times are in Central Daylight Time**

Friday, September 15, 2023		
Time	Session Title	
7:15 a.m.	Breakfast	
7:55 a.m.	Announcements: Jamie Van Gompel, M.D.	
<b>Session 1: Novel Stimulation Approaches</b>		
8:00 a.m.	Emerging Approaches <i>Brian Lundstrom, M.D., Ph.D.</i>	
8:20 a.m.	Integrating Imaging and Stimulation <i>Ben Brinkmann, Ph.D.</i>	
8:40 a.m.	Poly-neuromodulation <i>William Tatum, D.O.</i>	
9:00 a.m.	Non-invasive Brain Stimulation with Cases <i>Alex Rotenberg, M.D., Ph.D.</i>	
9:20 a.m.	Recent Advances <i>Alex Rotenberg, M.D., Ph.D.</i>	
9:40 a.m.	Discussion	
10:00 a.m.	<b>Refreshments and Poster Presentations</b>	
10:30 a.m.	Thalamic Anatomy and Connectivity <i>Vanessa Milanese, M.D.</i>	
11:00 a.m.	Next Generation Epilepsy Stimulation <i>Greg Worrell, M.D., Ph.D.</i>	
11:20 a.m.	Neuropsychology in Stimulation Therapies and Stimulation Mapping <i>Eva Alden, Ph.D., L.P.</i>	
11:40 a.m.	Future Stimulation, Imaging, & Epilepsy <i>Kai Miller, M.D., Ph.D.</i>	
12:00 p.m.	Discussion	
12:15 p.m.	<b>Lunch and Poster Presentations</b>	
<b>Session 2: Hands-on Small Groups</b>		
1:30 p.m.	Cycle 1	Electrode Planning — <i>Sanjeet Grewal, M.D., Kai Miller, M.D., Ph.D., and Jamie Van Gompel, M.D.</i>
2:15 p.m.	Cycle 2	
3:00 p.m.	Cycle 3	Trial Stimulation — <i>Nicholas Gregg, M.D., Greg Worrell, M.D., Ph.D.</i> Non-invasive Brain Stimulation — <i>Alex Rotenberg, M.D. Ph.D.</i>
3:45pm	Discussion with Cases	
4:10 p.m.	<b>Wrap-up and Adjourn</b>	
4:15 p.m.	<b>Optional: Mayo Clinic Tour</b>	

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