

# Mayo Clinic: Stimulation Therapies for Epilepsy

May 7-9, 2025

Hilton Rochester Mayo Clinic Area, Rochester, MN

Wednesday, May 7, 2025	
Time	Session Title
Pre-meeting Workshop: Novel Stimulation Indications and Other	
6:00 p.m.	<b>Introduction:</b> Kai Miller, M.D, Ph.D.
6:10 p.m.	DBS for Parkinson's Disease <i>Kai Miller, M.D., Ph.D.</i>
6:30 p.m.	Essential Tremor DBS <i>Jonathon Parker, M.D., Ph.D.</i>
6:50 p.m.	Ablation and Stimulation for Movement Disorders <i>Sangeet Grewal, M.D.</i>
7:10 p.m.	Stimulation for Pain <i>Rushna Ali, M.D.</i>
7:30 p.m.	Stimulation for Connectivity <i>Dora Hermes, Ph.D.</i>
7:50 p.m.	Intra-operative Stimulation <i>Nuri Ince, M.D., Ph.D</i>
8:10 p.m.	Discussion
8:30 p.m.	<b>Adjourn</b>

Thursday, May 8, 2025		
Time	Session Title	
7:15 a.m.	Registration and Breakfast	
7:50 a.m.	Welcome & Introductory Remarks: Brian Lundstrom, M.D., Ph.D.	
Session 1: Stimulation Introduction		
8:00 a.m.	Past, Present and Future <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>	
Session 2: Vagus Nerve Stimulation for Epilepsy		
9:00 a.m.	Surgical Approach <i>David Darrow, M.D.</i>	
9:20 a.m.	Programming and Cases <i>William Tatum, D.O.</i>	
9:40 a.m.	Theta Burst and Other VNS Advances <i>Cornelia Drees, M.D.</i>	
10:00 a.m.	Discussion	
10:10 a.m.	Refreshments and Poster Presentations	
Session 3: Responsive Neurostimulation for Epilepsy		
10:40 a.m.	Surgical Approach <i>Sanjeet Grewal, M.D.</i>	
11:00 a.m.	Programming and Cases <i>Vikram Rao, M.D.</i>	
11:20 a.m.	Predicting Neuromodulation Success <i>Vikram Rao, M.D.</i>	
11:40 a.m.	Discussion	
12:00 p.m.	Lunch and Poster Presentations	
Session 4: Deep Brain Stimulation for Epilepsy		
1:00 p.m.	Surgical Approach <i>Jamie Van Gompel, M.D.</i>	
1:20 p.m.	Programming and Cases <i>Dileep Nair, M.D.</i>	
1:40 p.m.	Stimulation with Multiple Thalamic Targets <i>Nicholas Gregg, M.D.</i>	
2:00 p.m.	Discussion	
2:15 p.m.	Refreshments and Poster Presentations	
Session 5: Hands-on Small Groups		
2:45 p.m.	Cycle 1	VNS Programming — <i>William Tatum, D.O., Cornelia Drees, 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.	Social Hour & Dinner – 4th Floor Foyer	

*\*Published times are in Central Daylight Time*

Friday, May 9, 2025		
Time	Session Title	
7:15 a.m.	Breakfast	
7:55 a.m.	Announcements: Jamie Van Gompel, M.D.	
Session 1: Novel Stimulation Approaches		
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.	Optimizing Stimulation <i>David Darrow, M.D., Ph.D.</i>	
9:00 a.m.	Trial Stimulation with Complex Patterns <i>Jonathon Parker, M.D., Ph.D.</i>	
9:20 a.m.	TMS Mapping and Treatment <i>Fiona Baumer, M.D</i>	
9:40 a.m.	Discussion	
10:00 a.m.	Refreshments and Poster Presentations	
10:20 a.m.	Stimulation for Generalized Epilepsy <i>Sandipan Pati, M.D.</i>	
10:40 a.m.	Cortico-cortico Evoked Potentials <i>Dileep Nair, M.D</i>	
11:00 a.m.	Simultaneous TMS and EEG <i>Fiona Baumer, M.D</i>	
11:20 a.m.	Cognitive Considerations with Neurostimulation and Stimulation Mapping <i>Jun Min Koay, Psy.D., L.P.</i>	
11:40 a.m.	Task-based Functional Mapping via Stereo-EEG <i>Kai Miller, M.D., Ph.D.</i>	
12:00 p.m.	Discussion	
12:15 p.m.	Lunch and Poster Presentations	
Session 2: Hands-on Small Groups		
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>  Trial Stimulation — <i>Nicholas Gregg, M.D., Greg Worrell, M.D., Ph.D.</i>  Non-invasive Brain Stimulation — <i>Fiona Baumer, M.D., Keith Starnes, M.D.</i>
2:15 p.m.	Cycle 2	
3:00 p.m.	Cycle 3	
3:45pm	Discussion with Cases <i>Gamal Osman, M.D.</i>	
4:10 p.m.	Wrap-up and Adjourn	
4:15 p.m.	Optional: Mayo Clinic Tour	

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