

Targeted Stimulation Approaches

Chair: Elliot Roth (Northwestern University)

Day 2: Tuesday, May 13, 2025 – Morning (11:15-12:45)



KEYNOTE
Monica Perez
Shirley Ryan
AbilityLab



Jane Butler
University of New
South Wales



Vivian Mushahwar
University of Alberta



Aiko Thompson
Medical University
of South Carolina

Neural Mechanisms of Neuromodulation

Chair: Vivian Mushahwar (University of Alberta)
Day 2: Tuesday, May 13, 2025 – Afternoon (16:30-18:00)



KEYNOTE
Jonathan Wolpaw
National Center for Adaptive
Neurotechnologies



CJ Heckman
Northwestern University



Matija Milosevic
University of Miami

IFESS-ICORR Joint Session: Hybrid Stimulation

Chair: Ashraf Gorgey (Richmond VA Medical Center)
Day 3: Wednesday, May 14, 2025 – Morning (11:15-12:45)

KEYNOTES



Marcia O'Malley
Rice University



Dimitry Sayenko
Houston Methodist

Emerging Techniques and Applications of Neural Stimulation

Chair: Matija Milosevic, PhD (Miami Project)

Day 3: Wednesday, May 14, 2025 – Afternoon (16:30-18:00)



Abidemi Bolu Ajiboye
CWRU & Cleveland FES



KEYNOTE
Robert Kirsch
CWRU & Cleveland FES



Michael Fu
CWRU & Cleveland FES



Dominique Durand
CWRU & Cleveland FES



Dennis Bourbeau
CWRU & Cleveland FES



Michael Moffitt
CWRU & Cleveland FES

Neural Technologies and Commercialization

Chairs: Phil Troyk (Illinois Institute of Technology)
and Ken Yoshida (Purdue University)

Day 4: Thursday, May 15, 2025 – Morning (11:15-12:45)



KEYNOTE
John Rogers
Northwestern University



Nicho Hatsopoulos
University of Chicago

Controversies & New Frontiers in Electrical Stimulation

Chair: Ashley Dalrymple (University of Utah)

Day 4: Thursday, May 15, 2025 – Afternoon (16:00-17:30)



KEYNOTE

Lee Miller

Northwestern University

MODERATOR

Debate:

- What are we activating through spinal vs peripheral stimulation
- Kilohertz carrier and frequency modulation of neural circuits
- Cortical re-organization and sensory restoration

Vivian Mushahwar
University of Alberta



Milos R Popovic

University of Toronto &
KITE Research Institute



Ken Yoshida

Purdue University



Ashley Dalrymple
University of Utah



... & others