

Noninvasive Brain Stimulation (12 May)

Location: East Ballroom AB, Vancouver Convention Centre – EAST building

Date: Sunday, 12 May 2024 | 08:30 – 17:15

[To Register](#)

Since 2017, the Noninvasive Brain Stimulation Pre-conference Day has been a highly successful feature of the biennial INS Congress, presenting theme-based discussion of the latest and most important advances in non-invasive neuromodulation including TMS and tDCS.

This year's pre-conference presents advanced approaches to treating pain, inflammation, post-viral disorders (COVID) and related treatments, along with the new technologies enabling these advanced treatments.

Pre-conference themes includes:

- Advanced in the treatment of pain, from home-based treatments to chronically ill patients;
- Neurorehabilitation: from brain injury to long-COVID;
- New technologies.

Objectives

1. Interpret new scientific data, clinical trials, and different technology platforms for non-invasive neuromodulation.
2. Discuss the latest advances in the mechanisms of action of non-invasive neuromodulation.
3. Describe analgesic mechanisms, outcome evidence, and clinical guidelines for TMS for pain and rehabilitation

4. Identify the most relevant technical and cost-effectiveness issues for implementing noninvasive electrotherapy and TMS

Non-Invasive Brain stimulation: From Pain, to Inflammatory, to Post-Viral Symptoms

Program

08:30 – 09:00 Breakfast & Posters

Part 1:

09:00 – 09:35 Neurovascular Modulation: Is the Direct Stimulation of Brain Vasculature as a Therapeutic Mechanism?

Marom Bikson, USA

09:35 – 10:10 Transcranial Direct Current Stimulation for Inflammatory and Post-Infection Disorders

Giuseppina Pilloni, USA

10:10 – 10:40 Break & Posters

10:40- 11:15 Non-Invasive Brain Stimulation for Addiction Medicine

Hamed Ekhtiari, USA

11:15 – 11:50 Transcranial Magnetic Stimulation for Pain, Headache, and Comorbid Depression

Albert Leung, USA

11:50 – 12:25 Innovation in Neuromodulation: The Case for Pro-Cognitive Therapies

Joan Camprodon, USA

12:25 – 13:45 Lunch & Posters

Part 2:

13:45 – 14:20 Advanced Current Delivery Techniques for HD-tDCS: From Higher Current to Home-Based Treatment

Benjamin Hampstead, USA

14:20 – 14:55 At-Home Transcranial Direct Current Stimulation (tDCS) with Telehealth Support for Symptom Control in Chronically-Ill Patients

Helena Knotkova, USA

14:55 – 15:30 A New Disposable Electrotherapy Platform

Mohamad FallahRad, USA

15:30 – 15:55 Break & Posters

15:55 – 16:30 Non-Invasive Brain Stimulation to Treat Disorders of Human Verticality

Taiza Grespan Santos Edwards, Brazil

16:30 – 17:05 Non-Invasive Brain Stimulation in Rehabilitation: Where are we and Where are we Going?

Dylan Edwards, USA

17:05 – 17:15 Closing Comments [View Congress Scientific Program](#)