# Special Issue

# Intraoperative Neurophysiology: New Perspectives and Clinical Applications

## Message from the Guest Editors

- Intraoperative neurophysiology (IONM) is a vital discipline that monitors the nervous system's integrity during surgery. Driven by technological innovation, including AI and machine learning, its application has expanded beyond neurosurgery into diverse specialties.

- This Special Issue, "Intraoperative Neurophysiology: New Perspectives and Clinical Applications", seeks to disseminate cutting-edge research shaping the field's future. The goal is to create a platform for discussion and inspire new practices globally.

- Submissions are invited on topics such as technological innovations, emerging applications in non-traditional surgeries, multimodal monitoring, advanced data analysis, and clinical neuroscience contributions. The issue welcomes original research, reviews, and perspective articles from researchers, clinicians, surgeons, and neurophysiologists. This collection aims to be a vital resource for professionals managing surgical patients at neurological risk, and the editors look forward to receiving valuable contributions that will advance the field.

## Guest Editors

Dr. Riccardo Budai

Neurology Unit, Head-Neck and Neurosciences Department, Santa Maria Della Misericordia University Hospital, 33100 Udine, Italy

Dr. Giada Pauletto

Neurology Unit, Head-Neck and Neurosciences Department, Santa Maria Della Misericordia University Hospital, 33100 Udine, Italy

## Deadline for manuscript submissions

30 June 2026

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*Brain Sciences*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
brainsci@mdpi.com

mdpi.com/journal/brainsci

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You are invited to contribute a research article or a comprehensive review for consideration and publication in *Brain Sciences* (ISSN 2076-3425). *Brain Sciences* is an open access, peer-reviewed scientific journal that publishes original articles, critical reviews, research notes, and short communications on neuroscience. The scientific community and the general public can access the content free of charge as soon as it is published.

## Editor-in-Chief

Prof. Dr. Stephen D. Meriney
Department of Neuroscience, University of Pittsburgh, Pittsburgh, PA 15260, USA

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