Special Issue

Comprehensive Research on Neuro-Oncology: From Brain Functional Anatomy to the Newest Treatments

Message from the Guest Editors

In recent years, a significant number of brand-new technologies and the updated and deeper understanding of brain physiology and functional anatomy were introduced in the everyday neurosurgical practice. As a matter of fact, to date, we strongly depend on technology and advanced techniques to resect intra-axial tumors. The role of awake surgery matched with intraoperative neurophysiological monitoring and intraoperative neuropsychological testing, to intraoperatively test cognitive and motor functions in order to map their localization on the cortical surface and preserve their integrity during glioma resection, as much as the role of neuronavigation systems and neuronavigated 3D tractography to visualize the eloquent white matter tracts are some examples. In the present Special Issue, submissions are welcome on the role of new techniques and technologies improving the preoperative, intraoperative, and postoperative care of patients suffering from lesions involving the brain and spinal cord.

Guest Editors

Dr. Alessandro Pesce

Prof. Dr. Maurizio Salvati

Dr. Mauro Palmieri

Deadline for manuscript submissions

closed (14 March 2025)

Brain Sciences

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.6
Indexed in PubMed

mdpi.com/si/213428

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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