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Advances of Brain Mapping in Cancer Research

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Message from the Guest Editors

After its initialization by Horsley, Cushing, and others, as well as the advancement by Penfield, Ojemann, and colleagues to standards still partially held today, neurosurgery, basic neurological research, and multiple other specialties could not be imagined without brain mapping.

The purpose of this Special Issue is to give a comprehensive overview summarizing the latest advances in: 1) techniques for brain mapping and monitoring of functionality; 2) the processing and evaluation of obtained data using methods such as connectome analysis, intraoperative imaging, and tractography; 3) intraoperative applications and basic research; 4) the impact of enabling function-guided brain tumor resection on patients' oncological outcomes; 5) the ability of brain mapping to visualize plasticity and functional reorganization; 6) and pre-operative and rehabilitation methods. This Special Issue welcomes both original research articles and reviews.

Deadline for manuscript
submissions:

closed (30 September 2023)



mdpi.com/si/124484

Special Issue



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Message from the Editor-in-Chief

Cancers is an international online journal addressing both clinical and basic science issues related to cancer research. The journal is publishing in Open Access format, which will certainly evolve to ensure that the journal takes full advantage of the rapidly changing world of information and knowledge dissemination. It publishes high-quality clinical, translational, and basic science research on cancer prevention, initiation, progression, and treatment, as well as other related topics, particularly to capture the most seminal studies in the rapidly growing area of immunology, immunotherapy, and tumor microenvironment.

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