



Molecular Biology and Translational Aspects in CNS Tumors 2.0

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Message from the Guest Editors

About 30.9 % of all primary CNS tumors in the US are malignant. The occurrence of secondary, metastatic tumors is about four times more common (NCI). Current therapy includes varying combinations of surgery, radio-, and chemotherapy. The five-year survival rate following diagnosis of a malignant CNS tumor is 35% and 90.7% for nonmalignant CNS tumors (CTRUS), indicating an urgent need for more effective therapies for different types of CNS tumors even if they are benign, as well as a better understanding of the molecular determinants of therapy response and tumor biology.

This Special Issue shall cover results of studies using animal or cell culture models to investigate the molecular underpinnings and treatment approaches of different CNS tumor types, applying molecular biological methods. This issue will also publish reports on tissue samples of patient tumors, providing novel mechanistic insights into new aspects that may impact on the development of novel biomarkers and clinical therapy of CNS tumors. In addition, reviews about the current status of new therapy options in different CNS cancer types and prognostic and predictive biomarkers will be published.





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Message from the Editor-in-Chief

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