## **Special Issue**

## Cellular and Molecular Mechanisms of Medulloblastoma and Its Therapeutic Targets

### Message from the Guest Editor

Medulloblastoma (MB) is the most common pediatric brain tumor. MB belongs to the group of primary neuroectodermal tumors (PNET). It is a fast-growing tumor that very rarely occurs in adults. Medulloblastoma (MB) is characterized by a heterogeneous pathology comprising several molecular subgroups that were identified through transcriptomic analysis of several patient cohorts. Multimodal treatment of MB involves a combination of surgical tumor resection, radiotherapy (high-energy X-rays), and adjuvant chemotherapy. The mechanisms of tumor resistance are not fully understood, but they are probably associated with events linked to the tumor microenvironment, intrinsic resistance correlated with the redundancy of proangiogenic factors, and the phenomenon of acquired resistance. This Special Issue encourages the submission of original research, short communications, and review manuscripts focused on deciphering the mechanisms of MB development and treatment resistance, with the aim of highlighting new relevant therapeutic targets. Submissions describing clinical projects involving the validation of biological markers are also welcome.

#### **Guest Editor**

Dr. Sonia Martial

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#### Deadline for manuscript submissions

closed (30 April 2023)



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