

Special Issue

Molecular Regulation Mechanisms of Tumor Progression: State-of-the-Art and Future Perspectives

Message from the Guest Editor

Despite the recent explosion of knowledge on the possible molecular and cellular mechanisms implicated in tumor progression, the exact biological mechanisms are, in many cases, still not well understood. Tumor progression is an extremely complex, multistep and multifunctional biological process, and a better understanding of the underlying molecular events is pivotal for improvement in preventing and treating cancer. Although there are many well established molecular alterations that contribute to tumor progression and metastasis, the exact molecular mechanisms regulated by these alterations remain to be elucidated. Our limited understanding could be attributed to a broad range of factors, including an incomplete picture of the interplay between several pathways or cell type specificity of different pathways. This Special Issue of the *International Journal of Molecular Sciences* therefore encompasses original and review articles on the molecular mechanisms of tumor progression in an effort to shed light on previously unknown and/or under-appreciated molecular events that ultimately lead to unfavorable clinical outcomes.

Guest Editor

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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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