

Special Issue

Galectins in Cancer and Translational Medicine

Message from the Guest Editor

The glycan signature of human cells plays a pivotal role in regulating fundamental biological processes, which are critical for cell physiology and for cancer as well. Galectins (also worded S-type lectins) are an evolutionarily conserved family of endogenous lectins, which bind carbohydrates with high specificity. These molecules, which can be found both intracellularly and in the extracellular milieu, are functionally active in converting glycan-containing information into cell biological programs. This fashionable mechanism of signal transduction plays a relevant role in regulating several biological functions, among which RNA splicing, gene transcription, cell migration and differentiation, apoptosis, immune response and tumor growth and progression. The aim of this Special Issue of *IJMS* is to collect selected contributes in the field reporting data, concepts and new ideas, which have the potential to be translated in the clinical setting in a near future, in order to improve the diagnosis and treatment of cancer and other relevant human diseases.

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Guest Editor

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Deadline for manuscript submissions

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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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