

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

Prof. Dr. Armando Bartolazzi

Laboratory of Surgical and Experimental Pathology, St Andrea University Hospital, Rome, Italy

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MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Editor-in-Chief

Prof. Dr. José L. Quiles
Department of Physiology, Institute of Nutrition and Food Technology
"Jose Mataix", Biomedical Research Center, University of Granada,
Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

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