

## Special Issue

# Galectins: Structure, Function and Therapeutic Inhibitors

### Message from the Guest Editors

Galectins,  $\alpha$ -galactoside-binding proteins, have been shown to participate in diverse and relevant biological functions via their interactions with  $\alpha$ -galactoside-containing structures on the cell surface. More importantly, human galectins act as regulatory factors in many types of pathologies by either inhibiting or promoting them. Therefore, to identify selective ligands for human galectins provides not only a useful tool for dissecting how each galectin member interacts with specific glycan structures, but also a possible solution for the development of clinical therapeutics. In this regard, this Special Issue focuses on the characterization of different members belonging to this family, studying not only the interaction with newly selected inhibitors by different biophysical techniques, but also characterizing their potential biological activity. All researchers working in the field are cordially invited to contribute original research articles or reviews to this Special Issue.

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### Guest Editors

Dr. EmiliaMaria Pedone

Dr. Domenica Capasso

Dr. Sonia Di Gaetano

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### Deadline for manuscript submissions

closed (30 June 2023)



## International Journal of Molecular Sciences

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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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### Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences, Sez-Biochimica, Faculty of Medicine, Università Politecnica delle Marche, Via Ranieri 65, 60100 Ancona, Italy

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