

Special Issue

Dual Specificity Phosphatases: From Molecular Mechanisms to Biological Function

Message from the Guest Editors

Dual specificity phosphatases (DUSPs) have emerged as key players in the regulation of cell growth, differentiation, stress responses and apoptosis. DUSPs regulate essential physiological processes, including immunity, neurobiology and metabolic homeostasis, and have been implied in tumorigenesis, pathological inflammation and metabolic disorders. Accordingly, alterations in the expression or function of MKPs and small-size atypical DUSPs have important consequences in human disease, making these enzymes potential biological markers and therapeutic targets. This Special Issue covers recent advances in the molecular mechanisms and biological functions of DUSPs, and their relevance in human disease. We encourage authors to submit original papers and reviews on this expanding and exciting research area.

Guest Editors

Dr. Rafael Pulido

Biocruces Health Research Institute, Spain

Prof. Dr. Roland Lang

Institute of Clinical Microbiology, Immunology and Higiene, University Hospital Erlangen, Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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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.

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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