



Mitogen Activated Protein Kinases: Functions in Signal Transduction and Human Diseases

Guest Editors:

Prof. Dr. Ritva Tikkanen

Institute of Biochemistry, Medical
Faculty, Justus-Liebig University
of Giessen, Friedrichstrasse 24, D-
35392 Giessen, Germany

**Prof. Dr. David Nikolic-
Paterson**

Department of Nephrology,
Monash University, Melbourne,
Australia

Deadline for manuscript
submissions:

closed (26 August 2018)

Message from the Guest Editors

Dear Colleagues,

This Special Issue of the International Journal of Molecular Sciences will focus on Functions of Mitogen-activated protein (MAP) kinases in Signal Transduction and Human Diseases. MAP kinases function as signal transducers to regulate a diverse range of physiological and pathologic cellular responses. We welcome contributions on the regulation of MAP kinase functions in terms of how the signalling cascade is activated by different stimuli, signal transduction via scaffolding proteins, and termination of signalling via phosphatase enzymes. In addition, we welcome contributions examining the role of MAP kinases in pathogenesis in human and experimental disease; including tissue damage and repair mechanisms.

Prof. Dr. David Nikolic-Paterson

Prof. Dr. Ritva Tikkanen

Guest Editors





an Open Access Journal by MDPI

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

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (*Biochemistry & Molecular Biology*) / CiteScore - Q1 (*Inorganic Chemistry*)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI