

Special Issue

Molecular Mechanisms and Pathology of Psoriasis

Message from the Guest Editors

Psoriasis is a serious skin disorder affecting men, women and children without any racial distinction. This pathology is characterized by the presence of red or pink patches covered by thick gray danders. Currently, the exact cause of this skin disorder is not known. However, certain mechanisms such as hyperproliferation of keratinocytes, abnormal differentiation of keratinocytes and infiltration of the skin by inflammatory cells have a role to play in the onset of this disease. Several models have been presented in recent years, including both animal and in vitro human models. However, none of these show a complete phenotype of psoriasis. In the field of science, genetically modified mouse models or xenotransplantations allow to see certain characteristics of psoriasis which makes it possible to study different aspects of the pathology. In addition, certain in vitro models made from human cells are more and more similar to the pathology and therefore make it possible to study different aspects of this disease. This Special Issue of *IJMS* provides a comprehensive overview of the most advanced in vivo and in vitro models that feature reliable characteristics of psoriasis.

Guest Editors

Dr. Roxane Pouliot

Centre de Recherche en Organogénèse Expérimentale de l'Université Laval/LOEX, Axe Médecine Régénératrice, Centre de Recherche du CHU de Québec, Québec, QC G1J 1Z4, Canada

Dr. Sylvain Guérin

Université Laval, Québec, QC, Canada

Deadline for manuscript submissions

closed (31 July 2019)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/17759

*International Journal of
Molecular Sciences*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijms@mdpi.com

[mdpi.com/journal/
ijms](https://mdpi.com/journal/ijms)





International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



[mdpi.com/journal/
ijms](https://mdpi.com/journal/ijms)



About the Journal

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.

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

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 and Molecular Biology) / CiteScore
- Q1 (Organic Chemistry)