

Special Issue

Molecular Mechanisms Related to Burns, Burn Wound Healing and Scarring

Message from the Guest Editors

Burn injury is a complex traumatic event with various local, regional and systemic effects. The pathophysiology of the burn patient shows the full spectrum of the complexity of inflammatory response reactions. Improvements in acute burn care have enabled patients to survive massive burns that would have once been fatal. Now, up to 70% of patients develop hypertrophic scars after burns. The need for novel treatments is paramount, and future efforts to improve outcomes and quality of life should include optimization of wound healing to attenuate or prevent hypertrophic scarring, well-designed trials to confirm treatment efficacy, and further elucidation of molecular mechanisms to allow development of new preventive and therapeutic strategies. In this issue of the journal, we are looking for articles which deliver a profound insight into the current science of burn wound pathophysiology, burn wound healing, and scarring.

Guest Editors

Prof. Dr. Marc Jeschke

Sunnybrook Hlth Sci Ctr, Ross Tilley Burn Ctr, 2075 Bayview Ave,
University of Toronto, Toronto, ON M4N 3M5, Canada

Prof. Dr. Lars-Peter Kamolz

1. Division of Plastic, Aesthetic and Reconstructive Surgery, Department
of Surgery, Medical University of Graz, 8036 Graz, Austria
2. COREMED—Cooperative Center for Regenerative Medicine,
JOANNEUM RESEARCH Forschungsgesellschaft mbH, 8010 Graz,
Austria

Deadline for manuscript submissions

closed (15 February 2021)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/32503

*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)