

Special Issue

Filaggrin

Message from the Guest Editor

Firstly identified in the late sixties as the “basic histidine-rich protein” and subsequently renamed in 1981, filaggrin (for filament aggregating protein) is now known as a key protein for epidermal barrier functions, and as a biomarker of normal keratinocyte differentiation.

Our interest about filaggrin has grown increasingly when it has been demonstrated that loss-of-function mutations of the filaggrin gene are a strong risk factor for atopic dermatitis and responsible for ichthyosis vulgaris. This profoundly changed the understanding of atopic diseases. Several studies suggest a link between filaggrin gene mutational profile and gastric tumors, as well as prediction of therapy response in carcinomas.

As a whole, filaggrin interests dermatologists, allergists, oncologists and basic researchers of public laboratories and private (pharmaceutical and cosmetic) companies.

This Special Issue aims to publish review articles and original studies, both at the basic and translational levels, to provide a broad up-to-date overview of the importance of filaggrin in pathophysiological processes.

Guest Editor

Dr. Michel Simon

Toulouse Institute for Infectious and Inflammatory Diseases, Infinity,
Toulouse University, CNRS, Inserm, UPS, Toulouse, France

Deadline for manuscript submissions

closed (30 June 2022)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/86538

*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)