

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

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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.

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