

Special Issue

Exposome, UV and Skin Homeostasis

Message from the Guest Editors

The exposome represents the total exposure to xenobiotics or environmental factors that a human or animal organism undergoes, from its conception to the end of life through different gateways into our body (skin, lungs, digestive tract, etc.). The exposome acts on all of our cells and tissues, and, in combination with genetic and/or epigenetic factors, may be responsible for physiological disorders such as aging or chronic diseases. At the molecular level, it acts directly on biomolecules, receptors and modifies intracellular and extra-cellular signaling. Determining the mechanisms of action, signaling pathways and targets is essential to understand the effects of this exposome. The use of omics techniques allows a global approach to the understanding of these mechanisms, the discovery of exposure markers and markers of effects, as well as the identification of therapeutic targets to reduce or eliminate the risks induced by this exposome. The skin in general and the epidermis in particular, which is the outermost layer of the skin, represents a real barrier against chemical and physical aggressions such as pollutants, UV and ionizing radiations.

Guest Editors

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Deadline for manuscript submissions

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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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