



Recent Advances in Biology of Ultraviolet Radiation (UVR) and Vitamin D

Guest Editors:

Prof. Dr. Andrzej Slominski

Department of Dermatology,
University of Alabama at
Birmingham, Birmingham, AL
35294, USA

Dr. Frank De Gruijl

Department of Dermatology,
Leiden University Medical Center,
PO Box 9600, 2300RC Leiden, The
Netherlands

Deadline for manuscript
submissions:

closed (30 June 2021)

Message from the Guest Editors

UVR in addition of inducing skin pathology including cancer and aging also exert positive homeostatic effects. The latter includes UVB induced production of vitamin D, which after enzymatic activation exert pleiotropic effects involving regulation of barrier function, of immune and endocrine activities with anticancer actions, aside of regulating body calcium homeostasis. New mechanisms of activation and action of vitamin D have been discovered and a role for UVB in health has been proposed.

This Special Issue will publish the latest findings on broad range of actions of UVR that include negative or positive impact on health, on the role of vitamin D in regulation of local and global homeostasis and on the anti-cancer and/or chemopreventive functions of its metabolites. We welcome experimental research, review and perspective articles dealing with the biological action of UVR, its role in skin physiology and pathology and systemic regulation of body homeostasis. We also welcome articles on the role of vitamin D and its metabolites in the preventive healthcare and diseases treatment including cancer as well as on mechanism(s) of action of these molecules.





an Open Access Journal by MDPI

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

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.

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 & Molecular Biology*) / CiteScore - Q1 (*Inorganic Chemistry*)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI