

Special Issue

The Collagen Connection

Message from the Guest Editor

Collagen is the most abundant protein in the body. The endogenous intracellular, intercellular and extracellular matrices as well as the glycocalyx acting as the pericellular matrix are largely formed by collagen and attached matrix elements. Endothelial function and neurovascular coupling are ensured by collagen fibers that enable vasoconstriction and vasodilation. Collagen carbamylation or glycosylation and oxidation lead to the formation of defect fibers with misfolded proteins and high molecular collagen fragments. Thus, the continuous repair and regeneration of endogenous collagen is needed. Collagen peptides, vitamins such as vitamin C and trace elements such as zinc can promote endogenous collagen synthesis that declines with age and restore the proper structure and function of these decisive proteins. Collagen can develop enormous power and decisively determine the skin, connective tissue and myoskeletal and vascular elasticity and strength. This Special Issue invites papers on all topics related to collagen and the collagen connection, which are essential elements of all living organisms.

Guest Editor

Dr. Burkhard Poeggeler

Department of Physiology, Johann-Friedrich-Blumenbach-Institute for Zoology and Anthropology, Faculty of Biology, Georg August University Göttingen, Göttingen and Goettingen Research Campus, Am Türmchen 3, D-33332 Gütersloh, Germany

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



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*International Journal of
Molecular Sciences*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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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

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