



The Collagen Connection

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Message from the Guest Editor

Dear Colleagues,

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.

Dr. Burkhard Poeggeler
Guest Editor





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Message from the Editor-in-Chief

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