

Special Issue

Recent Advances in Collagen Proteins

Message from the Guest Editor

Collagens are the most abundant family of proteins in mammals. With 28 known types, collagens are present at diverse locations and possess varying functions. They represent the major component of the extracellular matrix that gives structural integrity to the cell and are involved in cell signalling and processes such as adhesion and migration. Abnormalities affecting collagen homeostasis have been associated with many connective tissue disorders and various diseases such as cancer and autoimmune diseases. Despite the extensive research on collagen over the past 100 years, our knowledge of the most abundant protein of the human body remains very limited. This open access Special Issue will provide up-to-date research and review articles on our advanced knowledge of collagen proteins. Topics include, but are not limited to:

- the complexity of collagen synthesis, processing, degradation, and turnover
- collagen homeostasis in health, aging, and disease
- intracellular and extracellular post-translational modifications of collagens
- advances in techniques for the analysis of collagen structure and function

Guest Editor

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Deadline for manuscript submissions

closed (30 January 2024)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/153240

*International Journal of
Molecular Sciences*
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