



Targeting Collagen-Related Therapy

Guest Editor:

Dr. Fernando Revert

Research Group in Molecular and Mitochondrial Medicine, Catholic University of Valencia 'San Vicente Mártir', 46001 Valencia, Spain

Deadline for manuscript submissions:

closed (30 May 2025)

Message from the Guest Editor

Dear Colleagues,

Collagens are the most abundant components of the extracellular matrix. There are 29 types of collagens and 44 collagen genes. Collagens are secreted and interact with both epithelial and mesenchymal cells/tissues.

Collagens are a key component of therapeutic interventions. They play a central role in tissue repair or engineering. Drugs are often employed in combination with collagen scaffolds to enhance tissue regeneration. However, collagens are already playing other roles in pharmacology, particularly in the development of drug delivery systems as drugs and even as potential targets. Synthetic peptides designed to mimic specific collagen sequences or structural motifs have shown potential in applications as drug delivery systems. Additionally, some peptides of collagen display anti-tumorigenic or anti-angiogenic properties, while others induce tumor progression.

Thus, this Special Issue will discuss recent advances in the use of collagens in therapy and their different applications, including as scaffolds for tissue repair, drug delivery systems, drugs and therapeutic targets.

Dr. Fernando Revert
Guest Editor





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. José L. Quiles

Department of Physiology,
Institute of Nutrition and Food
Technology “Jose Mataix”,
Biomedical Research Center,
University of Granada, Avda.
Conocimiento s/n, 18100 Armilla,
Granada, Spain

Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* 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, and molecular biophysics. *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 and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

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