

Special Issue

Molecular Mechanisms of Cartilage Biology and Applications in Regenerative Medicine

Message from the Guest Editor

This Special Issue will consider articles that discuss all molecular aspects of cartilage biology, from development, differentiation, aging, injury, inflammatory diseases, natural regeneration, and the stimulation of regeneration with the help of surgical and drug therapy to nutritional supplementation. All aspects affecting cartilage metabolism, cell differentiation, and mechanical strength, reflected in the molecular, cellular, and histological structure and biochemical processes, will also be accepted. Cartilage biology is a very broad term as with connective tissue in general. The more we know, the more detailed questions arise about many aspects of the various molecular processes taking place in cartilage. The development and mechanical endurance of arthritis-related malignancies, genetic disorders, and treatments for cartilage repairment as the holy grail of regenerative medicine, including medicines and dietary supplements. These are only examples of aspects where molecular mechanisms of cartilage biology are currently studied.

Guest Editor

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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.

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