



Molecular Metabolisms in Cartilage Health and Diseases

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Message from the Guest Editor

Cartilage is a unique tissue in that it is avascular and composed of only chondrocytes. Vascular invasion into cartilage is a key step towards endochondral bone formation, as well as being involved in the pathogenesis of osteoarthritis. Because of the lack of blood flow, regeneration or repair of damaged cartilages such as those in osteoarthritis is difficult to be achieved. The old-yet-new problems in cartilage medicine are how to maintain cartilage homeostasis and how to regenerate or repair damaged cartilage. Many factors such as growth factors, transcription factors, nutrition and its metabolites, extracellular matrix, and physical forces are involved in cartilage growth, homeostasis, and regeneration. This Special Issue titled “Molecular Metabolisms in Cartilage Health and Diseases” focuses on recent progress in the molecular aspect of cartilage metabolism and its regulation in normal as well as in diseased cartilage.





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Message from the Editor-in-Chief

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