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Molecular and Cellular Mechanisms of Bone and Cartilage Diseases

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Message from the Guest Editor

Bones and cartilage form the most important parts of the musculoskeletal system. Musculoskeletal disorders, namely, those affecting bone and cartilage, limit the mobility and productivity of individuals, leading to early retirement from work and a reduced ability of people to participate in society. Osteoarthritis, rheumatoid arthritis, osteoporosis, and low back pain are the major musculoskeletal disorders and represent a significant socioeconomic burden on individuals and medical services worldwide. A better understanding of the pathophysiology of bone and cartilage in these diseases should provide important clues for the discovery of new therapies. The current Special Issue focuses on molecular and cellular mechanisms underlining bone and cartilage pathology and novel therapeutic approaches targeting the above diseases. We welcome research or review articles focusing on the following topics:

1. Molecular and cellular mechanisms underlining bone and cartilage pathology in related diseases;
2. Bone and cartilage metabolism in health and disease;
3. Therapeutic strategies for prevention of bone and cartilage pathology;
4. Novel approaches for bone and cartilage regeneration.



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Message from the Editor-in-Chief

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