

Special Issue

Osteoarthritis and Cartilage Tissue Repair

Message from the Guest Editors

Osteoarthritis (OA) is the most common form of arthritis and a leading cause of disability across the world. Its incidence is rising due to aging, obesity, metabolic disorder and many more other factors. Degradation and loss of cartilage tissue is a hallmark of OA, which results in severe pain and impaired quality of life. Currently, there are no approved disease-modifying drugs developed for OA. In the absence of effective treatment, significant efforts are put into the development of biological drugs and cell-based therapies. This Special Issue focuses on various in vitro and in vivo models for cartilage repair during OA, which may include stem cells, different scaffolds/hydrogels, external stimuli such as mechanical compression or electrical stimulation, gene modifying strategies, etc.

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