

Special Issue

Our Modern Understanding of Osteoarthritis Pathophysiology: From a Clinical Perspective

Message from the Guest Editor

Osteoarthritis (OA) is a joint disorder characterized by the progressive degeneration of the cartilage extracellular matrix (ECM), which is caused by the alteration between the synthesis and degradation of its components such as collagen II (COLL II) and aggrecan, chondrocyte hypertrophy and apoptosis, subchondral bone sclerosis, and osteophyte formation and inflammation. The current treatments mainly concern pain control and the reduction of inflammation, but no therapeutic strategies have been identified as a disease-modifying treatment that is able to reverse the loss of the cartilage ECM. This Special Issue encourages the publication of papers, reviews, and original articles which focus on the study of the pathophysiology of OA in order to find pathways that regulate disease-related gene expression and favor a slowdown of OA disease, which could contribute to the better understanding of the disease and development of novel treatment strategies.

Guest Editor

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There has been an explosion of gene and target based research and therapeutics in the multitude of fields that compose clinical medicine. The *Journal of Clinical Medicine's* (JCM) staff and editorial board are dedicated to providing cutting edge, timely, and peer-reviewed articles covering the diverse subspecialties of clinical medicine. The journal publishes concise, innovative, and exciting research articles as well as clinically significant articles and reviews that are pertinent to the myriad of disciplines within medicine. The articles published are relevant to both primary care physicians and specialists. The journal's full-texts are archived in PubMed Central and indexed in PubMed. Please consider submitting your manuscripts for publication to our journal and check us out on-line!

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