



# biology



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## Biology of Osteoarthritis

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### **Message from the Guest Editors**

Dear Colleagues,

Osteoarthritis is a severe, chronic joint disorder affecting millions of people worldwide, for which there is no reliable cure to date. The degradation of the articular cartilage is a central feature of the disease, but osteoarthritis is also associated with pathological changes in all other joint tissues, including a remodelling of the subchondral bone; inflammation of the synovium; and injuries in the meniscus, tendons, and ligaments. As none of the current therapeutic options can prevent the progression of the disease or restore damaged joint tissues in their structures and functions, there is an urgent need to better understand the pathomechanisms underlying osteoarthritic changes in patients. The goal of this Special Issue is to offer an overview of the most advanced knowledge on osteoarthritis that may allow one to develop novel regimens against this serious, global disorder.

Prof. Dr. Magali Cucchiarini

Prof. Dr. Henning Madry

*Guest Editors*



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# Special Issue



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