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## Molecular Changes on Cartilage Development

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submissions:  
**closed (30 June 2023)**

### Message from the Guest Editor

Dear Colleagues,

This Special Issue primarily focuses on how the macromolecular composition and architecture of articular cartilage and its unique biomechanical properties play a pivotal role in the ability of articular cartilage to withstand mechanical loads several magnitudes higher than the weight of the individual. Scientific contributions on effects of exercise on articular cartilage and the importance of appropriate exercises for normal and diseased or aberrated cartilage are welcomed.

Keywords:

- articular cartilage
- physical activity
- chondrons
- proteoglycans
- synoviocytes
- noncollagenous proteins
- glycoproteins
- cartilage matrix compartmentalization
- aging of articular cartilage
- joint arthropathy and effect of exercise
- nutrition effects on cartilage
- osteoarthritis

Prof. Dr. Giuseppe Musumeci  
*Guest Editor*



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# Special Issue



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## Message from the Editor-in-Chief

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