

Special Issue

Selected Papers of Workshop "Osteoarthritis: Novel Molecular Determinants Revolutionize Our Understanding of the Disease Pathology"

Message from the Guest Editors

Clinical symptoms of OA appear in more than 10% of the world population and affect almost everyone over the age of 65. For patients, the major problem is disability, resulting from joint tissue destruction and pain. OA is characterized by its extraordinary interpatient variability both clinically and structurally. This heterogeneity is considered as a major reason associated with the complexity of OA and the ongoing difficulties to identify one-size-fits-all therapies. The development of targeted therapies against the osteoarthritic processes in cartilage, synovium or bone will, therefore, require an understanding of the state of these joint tissues at the time of the intervention. Here, we want to elucidate novel concepts and hypotheses regarding disease progression, which are relevant for understanding underlying molecular mechanisms as a prerequisite for future therapeutic approaches.

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