

Special Issue

Advanced Research in Osteoarthritis and Osteoarthrosis Management and Regenerative Strategies

Message from the Guest Editors

This Special Issue, entitled “Recent Advances in Osteoarthritis and Osteoarthrosis Management and Regenerative Strategies”, will focus on original research papers, case reports and comprehensive reviews that address cutting-edge experimental methodologies for multiscale investigations about tissue engineering and regenerative approaches by bringing together contributions from worldwide experts on stem cell biology, tissue engineering-based approaches, cartilage surgery strategies, cellular and experimental therapies and bioprocess development. The topics of interest for this Special Issue include, but are not limited to, the following:

- Advanced experimental techniques for characterizing inflammatory pathways;
- Novel biomaterials for bone/cartilage regeneration/reconstruction;
- Growth, remodeling and repair in bone/cartilage tissues;
- Investigations about new regenerative approach not only stem cells-based;
- Molecular and cellular mechanisms involved in the cartilage destruction;
- Current and future directions for 3D bioprinting to develop osteochondral unit constructs.

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