



Musculoskeletal Regenerative Medicine

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Deadline for manuscript
submissions:

31 August 2024

Message from the Guest Editors

Over the last decade, there has been an increasing interest in the use of biologics for regenerative medicine applications. In regenerative medicine, functional tissue is engineered to repair, regenerate, or replace cells, tissues, or organs to restore and/or establish normal function lost from age, disease, damage, or congenital defects. Both autologous and allogenic biologics are currently used in clinical practice. Autologous biologics include platelet-rich plasma, bone marrow aspirate/concentrate, and adipose tissue aspirate. Allogenic biologics include formulations derived from perinatal tissues, including amniotic fluid, amniotic membrane, umbilical cord, and umbilical cord blood. The healing potential of these products is attributed to the presence of stem cells, growth factors, cytokines, hyaluronic acid, and extracellular vesicles, including exosomes.





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Message from the Editor-in-Chief

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