

Special Issue

Advances in Skeletal Muscle Tissue Engineering

Message from the Guest Editor

This Special Issue on the “*Advances in Skeletal Muscle Tissue Engineering*” will therefore focus on original research papers and comprehensive reviews, dealing with cutting-edge experimental and computational methodologies for engineering skeletal muscle tissues. Topics of interest for this Special Issue include, but are not limited to, the following:

- Engineered human skeletal muscle grafts as experimental models for testing pharmacologic agents and gene delivery.
- Interactions between myogenic and non-myogenic cells towards promoting functional myogenic regeneration.
- The neuromuscular junction: regenerating innervated skeletal muscle.
- Advanced computational methods to predict treatment outcomes following *in vivo* implantation of engineering grafts.
- Exosomes and extracellular vesicles in promoting myogenesis.
- Elucidating the molecular basis of biophysical cues during regenerative rehabilitation.
- Advanced image-based techniques to probe the fate of transplanted cells.

Guest Editor

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Message from the Editor-in-Chief

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Editor-in-Chief

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