



New Advances in Personalized Tissue Engineering: A Focus on Bone, Cartilage, and Blood Vessel Regeneration

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Message from the Guest Editors

Dear Colleagues,

Tissue engineering holds immense potential for regenerative medicine, aiming to restore various damaged tissues. However, achieving optimal outcomes through standard treatments remains challenging due to the intricate, patient-specific nature of tissue regeneration. Personalized tissue engineering can bridge this gap.

In this Special Issue, we will delve into three tissue types:

1. **Bone:** Bone tissue engineering addresses the high demand for bone grafts in various conditions. Personalized strategies can enhance graft integration and outcomes.
2. **Cartilage:** Cartilage's avascular nature makes regeneration difficult. Personalized tissue engineering offers solutions for patient-specific conditions like osteoarthritis.
3. **Blood Vessels:** Personalized blood vessel tissue engineering caters to the distinct graft requirements of cardiovascular disease patients, considering diverse diameters and properties.

This Special Issue will present cutting-edge developments in Personalized Tissue Engineering for these areas.

Dr. Juncen Zhou
Guest Editor





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Message from the Editor-in-Chief

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