

Special Issue

New Sight of Vascular Engineering and Biomaterials: Updates and Future Directions

Message from the Guest Editors

Cardiovascular diseases (CVDs) have remained the greatest threat to health globally in the past decades. Current state-of-the-art studies have already demonstrated the high quality of work in understanding the relationships between vessel cells and extracellular matrix, designing anticoagulant, anti-inflammatory, and anti-infectious scaffolds, minimizing intimal hyperplasia, achieving completely off-the-shelf, advanced techniques in using various stem cells, in situ attracting desirable host cells for remodeling, fabrication of self-assembled tissue-engineered vascular grafts, bioprinting with high precision and accuracy, biomimetic design on different levels of the regenerated construct, novel biodegradable stents, etc. Thanks to these great efforts, we believe a Special Issue on vascular engineering and biomaterials is a great platform to share those brilliant and most up-to-date studies exploring the possibility of next-generation grafts, stents, and tissue substitutes with functional micro-vessels.

Guest Editors

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Editor-in-Chief

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