



Arteriogenesis, Angiogenesis and Vascular Remodeling, 2nd Edition

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Message from the Guest Editors

Arteriogenesis, also frequently called collateral formation or even therapeutic angiogenesis, comprises those processes that lead to the formation and growth of collateral blood vessels that can act as natural bypasses to restore blood flow to distal tissues in occluded arteries. Both in coronary occlusive artery diseases as well as in peripheral occlusive arterial disease, arteriogenesis may play an important role in the restoration of blood flow. Many questions regarding the exact molecular mechanisms involved in the regulation of the vascular remodeling response in arteriogenesis and angiogenesis still need to be answered. This Special Issue of the International Journal of Molecular Sciences is devoted to all of the molecular aspects of arteriogenesis and collateral formation. It will contain articles that collectively provide balanced, state-of-the-art views on various aspects of arteriogenesis and the underlying regulation of vascular remodeling. We seek submissions of high-quality articles on all aspects of arteriogenesis, including, but not limited to, regulatory mechanisms, the cell types involved, state-of-the-art models, and therapeutic options.





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Message from the Editor-in-Chief

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