Special Issue

Arteriogenesis, Angiogenesis and Vascular Remodeling, 2nd Edition

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-theart 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.

Guest Editors

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Deadline for manuscript submissions

closed (20 May 2025)



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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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