

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-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.

Guest Editors

Prof. Dr. Paul Quax

1. Department of Surgery, Leiden University Medical Center, 2333 ZA Leiden, The Netherlands
2. Einthoven Laboratory for Experimental Vascular Medicine Leiden University Medical Center, 2333 ZA Leiden, The Netherlands

Prof. Dr. Elisabeth Deindl

Walter-Brendel-Centre of Experimental Medicine, University Hospital, Ludwig-Maximilians-Universität München, 81377 Munich, Germany

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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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.

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle
Marche, Via Ranieri 65, 60100 Ancona, Italy

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