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Arteriogenesis and Therapeutic Neovascularization

Dear Colleagues,

Guest Editors:

Message from the Guest Editors

Prof. Dr. Elisabeth Deindl

Prof. Dr. Paul Quax

Prof. Johannes Waltenberger

Prof. Thomas Schmitz-Rixen

Deadline for manuscript submissions: closed (30 November 2019)

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Arteriogenesis, also called collateral formation or therapeutic angiogenesis, may play an important role in restoration of blood flow both in coronary artery as well as in peripheral occlusive arterial disease. Despite many promising clinical trials on arteriogenesis and therapeutic angiogenesis, the exact molecular mechanisms involved are still not completely understood. In this inflammatorydriven vascular remodeling process, many vascular and immune cell types, cytokines and growth factors, as well as various noncoding RNAs or progenitor cells may be involved. Consequently, many questions regarding the exact molecular mechanisms involved in regulation of the arteriogenic response still need to be answered. This Special Issue of Cells is devoted to arteriogenesis. It will contain articles that provide a state-of-the-art view on arteriogenesis and the underlying regulation of vascular remodeling. We seek high-quality articles on all aspects of arteriogenesis, including regulatory mechanisms, state-ofthe-art models, and latest (pre)clinical developments.

Prof. Elisabeth Deindl Prof. Paul Quax Prof. Johannes Waltenberger Prof. Thomas Schmitz-Rixen *Guest Editors*







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Message from the Editorial Board

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