



cells



an Open Access Journal by MDPI

Vascular Inflammation and Atherosclerosis: From Basic Mechanisms to Therapeutic Opportunities

Guest Editors:

Dr. Yaw Asare

Institute for Stroke and Dementia Research, Klinikum der Universität München, München, Germany

Dr. Marios Georgakis

1. Institute for Stroke and Dementia Research, Klinikum der Universität München, Munich, Germany
2. Center for Genomic Medicine, Massachusetts General Hospital, Boston, MA, USA
3. Program in Medical and Population Genetics, Broad Institute of Harvard and MIT, Cambridge, MA, USA

Deadline for manuscript submissions:

closed (31 August 2023)

Message from the Guest Editors

Dear Colleagues,

Arterial inflammation manifesting as atherosclerosis is the main pathology underlying cardiovascular disease (CVD), including myocardial infarction and ischemic stroke. As a chronic inflammatory disease of the arterial wall, atherosclerosis arises from unbalanced lipid metabolism and maladaptive inflammatory responses. Recently, did the CANTOS, COLCOT, and LoDoCo2 trials provide proof-of-concept evidence that targeting inflammation can lower CVD risk, thus setting the stage for a new paradigm of atheroprotective treatments. Balanced between atheroprotection and an impaired host response, current research efforts are focused on a better understanding of the immune mechanisms driving atheroprotection and the development of immunotherapies that precisely inhibit atheroprotection. It is therefore the aim of this Special Issue to assemble the current understanding of the cellular and molecular mechanisms involved in the initiation and progression of atherosclerosis, focusing on pathways that can be targeted for vascular protection.

Dr. Yaw Asare

Dr. Marios Georgakis

Guest Editors



mdpi.com/si/143723

Special Issue



cells



an Open Access Journal by MDPI

Editors-in-Chief

Prof. Dr. Alexander E. Kalyuzhny

Neuroscience, UMN Twin Cities,
6-145 Jackson Hall, 321 Church St
SE, Minneapolis, MN 55455, USA

Prof. Dr. Cord Brakebusch

Biotech Research & Innovation
Centre, The University of
Copenhagen, Copenhagen,
Denmark

Message from the Editorial Board

Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [MEDLINE](#), [PMC](#), [CAPlus / SciFinder](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Cell Biology*) / CiteScore - Q1 (General Biochemistry, Genetics and Molecular Biology)

Contact Us

Cells Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/cells
cells@mdpi.com
[X@Cells_MDPI](#)