Special Issue

Acute Coronary Syndrome: Unraveling the Biology to Identify New Therapies

Message from the Guest Editor

Acute coronary syndromes are the global leading cause of morbidity and mortality. Contemporary guideline-directed therapies emphasize the modulation of cardiovascular risk factors, lipid-lowering strategies and antiplatelet medications to prevent future cardiovascular events. As a result, a significant number of patients are not adequately served by current treatments, and new athero-protective strategies are needed. This Special Issue aims to publish original research, reviews and comments on: state-of-the-art non-invasive and invasive imaging to identify vulnerable plaques and patients at risk of future ACS; intra-coronary imaging to identify the underlying lesions and mechanisms for ACS, and to optimize the primary PCI outcomes; therapeutic strategies targeting inflammatory and thrombotic pathways, which drive coronary plaque rupture and subsequent myocardial infarction; the repurposing of existing anti-inflammatory and immunomodulatory agents to reduce residual risk in ACS survivors; strategies to minimize infarct size/maximize myocardial salvage; reducing microcirculatory dysfunction and enhancing tissue perfusion during revascularization.

Guest Editor

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

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.

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