



cells



an Open Access Journal by MDPI

From Pathology to Therapeutics: The Long Journey in Cardio-Renal Diseases

Guest Editors:

Dr. Federica Collino

Department of Clinical Sciences
and Community Health,
Università degli Studi di Milano,
Milan, Italy

Dr. Stefania Bruno

Department of Medical Sciences,
Università degli Studi di Torino,
Torino, Italy

Dr. Anna Maria Tolomeo

Department of Cardiac, Thoracic
and Vascular Science and Public
Health, Università degli Studi di
Padova, Padua, Italy

Deadline for manuscript
submissions:

closed (31 December 2023)

Message from the Guest Editors

It is well established that heart and kidney are strongly interconnected, as much that primary disease of one of these organs often engage a damage to the other. The hallmarks of cardio-renal disorders are the development of cardiorenal hypertrophy, heart failure, fibrosis, as well as alteration of body fluid, electrolytes, and acid-base kidney homeostasis.

Improving the understanding of the pathophysiology of cardio-renal diseases can help finding new biomarkers to be adopted for their direct management. Moreover, establishment of innovative targeted therapies can attenuate the effects of the damage in one organ thus promoting multiorgan regeneration. In this context, the use of complex in vitro systems and new therapeutic approaches (biologics and cell-based therapy) can improve the research advances in important cardiorenal disorders.

This Special Issue of *Cells* therefore invites contributions of review articles and original research papers studying the cardio-renal interaction using multiple complex systems and possible innovative therapeutic strategies for their treatment.



mdpi.com/si/173847

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](#)