



cells



an Open Access Journal by MDPI

Novel Mechanisms of Gene Regulation in Cardiac Development and Congenital Heart Defects

Guest Editor:

Dr. Marlin Touma

Department of Pediatrics,
Neonatal/Congenital Heart
Laboratory, Cardiovascular
Research Laboratories, David
Geffen School of Medicine,
University of California Los
Angeles, 3762 MacDonald
Research Laboratories, 675
Charles E. Young Dr S, Los
Angeles, CA 90095, USA

Deadline for manuscript
submissions:

15 August 2024

Message from the Guest Editor

Dear Colleagues,

While extensive research has focused on the key transcription regulators that are involved in the initiation and progression of cardiogenesis, the understanding of emerging gene regulatory mechanisms, such as epigenetic modifiers, noncoding RNA species, and regulatory elements, in cardiac development remains a goal, and how these mechanisms may contribute to congenital heart defects remains elusive. Research efforts focused on elucidating these regulatory mechanisms are necessary to advance the field and identify novel preventive and therapeutic approaches for infants with congenital heart defects.

You may choose our [Joint Special Issue](#) in [Pathophysiology](#).

Dr. Marlin Touma
Guest Editor



mdpi.com/si/198966

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](#), [CAPus / SciFinder](#), and [other databases](#).

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

Contact Us

Cells Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

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