

Special Issue

Epigenetic Regulation of Cardiac Development, Regeneration and Disease

Message from the Guest Editors

Congenital heart malformation is one of the leading causes of human birth defects, and cardiac diseases remain the major cause of adult morbidity and mortality both in developed countries and worldwide. Epigenetics refers to regulatory mechanisms that elicit heritable changes in gene expression and function without altering genomic DNA sequence. Epigenetic mechanisms, such as those involving DNA methylation and histone modifications, play fundamental roles in many biological processes. Epigenetic dysregulation can cause perturbed gene expression and thus lead to various congenital and acquired diseases. Given the importance of epigenetic regulation in biology and human disease, in this Special Issue of JCDD, we welcome submissions of original research and review articles as well as case reports with a focus on the epigenetic regulation of cardiac development, regeneration and disease.

- epigenetic regulation
- cardiac development
- cardiac morphogenesis
- cardiac regeneration
- congenital heart disease
- acquired heart disease
- chromatin regulation

https://www.mdpi.com/journal/jcdd/special_issues/Epigenetic_Cardiac_Disease

Guest Editors

Dr. Jiandong Liu

1. McAllister Heart Institute, University of North Carolina at Chapel Hill, Chapel Hill, NC 27599, USA
2. Department of Pathology and Laboratory Medicine, University of North Carolina at Chapel Hill, Chapel Hill, NC 27599, USA

Dr. Sonia Stefanovic

Exposome, Epi/Genetics & Heart Development lab, Center for CardioVascular and Nutrition Research, Aix Marseille University, 13007 Marseille, France

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closed (1 July 2023)



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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
jcdd@mdpi.com

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About the Journal

Message from the Editor-in-Chief

The primary goal of the *Journal of Cardiovascular Development and Disease* (JCDD, ISSN 2308-3425) is to provide cardiovascular scientists a platform to publish their work in a quick and efficient way. Topics can range from studies designed to decipher the events underlying early heart development to studies focusing on the origins of congenital and acquired heart disease. Papers submitted to JCDD undergo a fast, yet thorough, peer-review process. In this process, we will apply strict ethical policies and standards. JCDD guarantees fast dissemination of results to a large scientific audience

Editor-in-Chief

Prof. Dr. Thomas Brand
National Heart & Lung Institute, Imperial College London, South
Kensington Campus, London SW7 2AZ, UK

Author Benefits

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Pharmaceutics)

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 28.8 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the first half of 2025).