

## Special Issue

# Left-Right Asymmetry and Cardiac Morphogenesis

### Message from the Guest Editors

*Journal of Cardiovascular Development and Disease (JCDD)* launches a Special Issue on left-right asymmetry in cardiac morphogenesis. The mature heart is a highly asymmetric structure, which originates from symmetrically organized paired heart fields at the primitive streak stage. Asymmetry within the heart is generated by different processes, which include determination of left-right atrial identity, looping and asymmetric remodeling. These processes are globally summarised under the term “cardiac laterality”. Correct heart development crucially depends on proper establishment of its laterality and not surprisingly severe congenital cardiac pathologies can be traced back to an impairment of this process. This issue will cover the state-of-the-art knowledge on the mechanisms establishing cardiac laterality and left-right axis formation and will offer a perspective on its impact on congenital heart disease.

### Guest Editors

Dr. Marina Campione

CNR Neuroscience Institute and Department of Biomedical Sciences,  
University of Padua, 35122 Padova, Italy

Prof. Dr. Thomas Brand

National Heart & Lung Institute, Imperial College London, South  
Kensington Campus, London SW7 2AZ, UK

### Deadline for manuscript submissions

closed (31 October 2017)



## Journal of Cardiovascular Development and Disease

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.3  
CiteScore 3.7  
Indexed in PubMed



[mdpi.com/si/9353](http://mdpi.com/si/9353)

*Journal of Cardiovascular  
Development and Disease*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[jcdd@mdpi.com](mailto:jcdd@mdpi.com)

[mdpi.com/journal/](http://mdpi.com/journal/)  
[jcdd](http://jcdd)





# Journal of Cardiovascular Development and Disease

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.3  
CiteScore 3.7  
Indexed in PubMed



[mdpi.com/journal/  
jcdd](https://mdpi.com/journal/jcdd)



## 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

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPLus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Cardiac and Cardiovascular Systems) /  
CiteScore - Q2 (General Pharmacology, Toxicology and  
Pharmaceutics)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 24.7 days after submission; acceptance to publication is undertaken in 3.6 days (median values for papers published in this journal in the second half of 2025).