

## Special Issue

# Cardiac Regeneration in Non-Mammalian Vertebrates

### Message from the Guest Editor

*JCDD* is launching a Special Issue on "Cardiac Regeneration in Non-Mammalian Vertebrates", which focuses on recent advances in understanding the genetic, molecular, and cellular mechanisms underpinning robust regeneration of a damaged heart in non-mammalian vertebrates, such as zebrafish and salamanders. Research using non-mammalian vertebrates has inspired new priorities in cardiac regeneration science. For example, classical and recent studies using newts and axolotls provided evidence for cell cycle re-entry of differentiated cardiomyocytes after injury. More recently, genetic fate-mapping studies using zebrafish definitively identified cardiomyocytes (not stem cells) as the primary cellular source for muscle replacement during regeneration, significantly influencing the direction of the field in seeking future therapies focused on cardiomyocyte renewal to repair human hearts.

---

### Guest Editor

Dr. Kazu Kikuchi

Developmental and Stem Cell Biology Division, Victor Chang Cardiac Research Institute, Sydney, Australia

---

### Deadline for manuscript submissions

closed (31 October 2018)



## Journal of Cardiovascular Development and Disease

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.6  
CiteScore 4.5  
Indexed in PubMed



[mdpi.com/si/15063](https://mdpi.com/si/15063)

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





# Journal of Cardiovascular Development and Disease

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.6  
CiteScore 4.5  
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 - Q1 (General Pharmacology, Toxicology and  
Pharmaceutics)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 23.4 days after submission; acceptance to publication is undertaken in 3.6 days (median values for papers published in this journal in the first half of 2026).