

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 2.4
CiteScore 2.6
Indexed in PubMed



mdpi.com/si/9353

*Journal of Cardiovascular
Development and Disease*
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
jcdd@mdpi.com

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Editor-in-Chief

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

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