

Special Issue

Understanding and Targeting Biological Mechanisms of Heart Failure (2nd Edition)

Message from the Guest Editors

An estimated 64.3 million people are living with heart failure worldwide. In developed countries, the prevalence of known heart failure is generally estimated at 1% to 2% of the general adult population. Because of a growing and aging population, the total number of heart failure patients continues to rise. In recent years, the striking development of molecular and cellular biology, especially genetics, stem cell biology and developmental biology, are transforming the way we understand and treat heart failure. In this Special Issue, we invite cardiologists, geneticists and cell and developmental biologists to submit research on the triggers, phenomena and mechanisms associated with heart failure. The topics of interest include, but are not limited to, genetics, genome editing, stem cells, drug development, chemically modified RNA, and next-generation DNA and RNA sequencing. Our aim is for this Special Issue to provide new insights into the understanding of the factors driving heart failure.

Guest Editors

Dr. Lei Ye

Department of Biomedical Engineering, The University of Alabama at Birmingham, Birmingham, AL 35294, USA

Prof. Dr. Wuqiang Zhu

Mayo Clinic Arizona, Scottsdale, AZ 85259, USA

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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A major strength of biological science is the diversity of approaches that biological scientists apply to their research problems. *Biology* reflects this diversity and brings together studies employing the varied experimental and theoretical approaches that are fueling biological discovery. *Biology*, the journal, is a fully peer-reviewed publication with a rapid and economical route to open access publication and is listed on PubMed. All articles are peer-reviewed and the editorial focus is on determining that the work is scientifically sound rather than trying to predict its future impact.

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Prof. Dr. Jukka Finne

Research Programme in Molecular and Integrative Biosciences, Faculty of Biological and Environmental Sciences, University of Helsinki, P.O. Box 56, FI-00014 Helsinki, Finland

Prof. Dr. Andrés Moya

Integrative Systems Biology Institute, University of Valencia and CSIC, 46980 Valencia, Spain

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