

Special Issue

Recent Advances in Left Ventricular Unloading Therapy

Message from the Guest Editor

As the landscape of cardiovascular medicine evolves, novel approaches to LV unloading—including mechanical circulatory support devices, pharmacological interventions, and hybrid strategies—are transforming patient care. The integration of percutaneous ventricular assist devices (VADs), microaxial flow pumps (mAFPs), and emerging technologies such as direct left atrial decompression and active myocardial conditioning has expanded therapeutic possibilities. Additionally, increasing knowledge of the molecular and cellular effects of unloading on myocardial tissue is shaping the development of targeted interventions aimed at reversing heart failure progression.

This Special Issue aims to highlight cutting-edge research that advances our understanding of LV unloading therapy and its clinical applications.

We invite researchers and clinicians to submit original research articles and review papers that contribute to the growing body of knowledge in this field. This special issue aims to foster interdisciplinary collaboration and provide a platform for innovative strategies that improve cardiovascular care and patient outcomes.

Guest Editor

Dr. Mehmet Oezkur

Department of Cardiovascular Surgery, University Hospital Mainz, 55131 Mainz, Germany

Deadline for manuscript submissions

31 December 2025



Life

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.0
Indexed in PubMed



mdpi.com/si/239917

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

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





Life

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.0
Indexed in PubMed



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



About the Journal

Message from the Editor-in-Chief

Life (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

Editor-in-Chief

Prof. Dr. Lluís Ribas de Pouplana

Institute for Research in Biomedicine (IRB Barcelona), The Barcelona
Institute of Science and Technology, 08028 Barcelona, Spain

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

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

Journal Rank:

JCR - Q1 (Biology) / CiteScore - Q1 (Paleontology)