# Special Issue

## Strategies and Concepts of Extracorporeal Life Support (ECLS)

### Message from the Guest Editors

Extracorporeal life support (ECLS) is a technique for cardiac and/or pulmonary support if other more conservative measures are not able to sustain an adequate perfusion and/or gas exchange. ECLS is used for the treatment of a broad variety of cardiac and/or pulmonary diseases, either with the target to recover the respective organs or as a bridge to organ transplantation or durable mechanical circulatory support. Despite all the improvements, the outcome after ECLS is still limited, and this is partly related to the patient's critical status but also to the associated complications. The scientific literature on this topic is scarce, and thus this Special Issue aims to collect clinical reports, experimental data, and reviews on new strategies and concepts of ECLS in order to increase the knowledge and acceptance of this therapy within the medical community. Keywords

- Extracorporeal life support (ECLS)
- Extracorporeal membrane oxygenation (ECMO)
- Mechanical circulatory support
- Post cardiotomy ECLS
- Heart failure
- Respiratory failure

### Guest Editors

Dr. Dominik Wiedemann

Dr. George Goliasch

Dr. Klaus Distelmaier

### Deadline for manuscript submissions

closed (30 November 2021)

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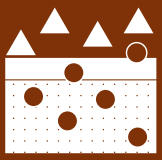
*Membranes*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
membranes@mdpi.com

mdpi.com/journal/membranes



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## About the Journal

### Message from the Editor-in-Chief

You are cordially invited to contribute a research article or a comprehensive review for consideration and publication in *Membranes* (ISSN 2077-0375). *Membranes* is an international, peer-reviewed open accessjournal of membrane technology published monthly online by MDPI. The journal covers the broad aspects of the science and technology of both biological and non-biological membranes, including membrane dynamics and the preparation and characterization of membranes and their applications in water, environment, energy, and food industries. Articles contributing to better understanding of transport processes in all types of membranes are also welcome. The scientific community and the general public have unlimited and free access to the content as soon as it is published. We would be pleased to welcome you as one of our authors.

### Editor-in-Chief

Prof. Dr. Spas D. Kolev
School of Chemistry, The University of Melbourne, Melbourne, VIC 3010, Australia

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