

Special Issue

Membranous and Membraneless Interfaces—Origins of Artificial Cellular Complexity

Message from the Guest Editors

This Special Issue aims at collecting the most recent studies on artificial systems based on different types of compartmentalization. The final goal is the understanding of inter-cellular and intra-cellular mechanisms that contribute to the development of cellular complexity, revealing “emergent” properties occurring in cell and protocell systems. The Special Issue also includes research presentations on related experimental/theoretical investigations; thus, let us think deeply about how (proto)cells could emerge as molecular microcompartment systems that developed their own interfaces.

We would like to elicit the submission of articles (full articles, reviews, etc.) related to the broad subject of membrane and membraneless microcompartments, their physico-chemical features, their use as cell or organellae models and, in general, about the peculiar characteristics of compartment architectures. All types of approaches are welcome (experimental, theoretical, conceptual, numerical simulations, etc.).

Guest Editors

Dr. Pasquale Stano

Department of Biological and Environmental Sciences and Technologies (DiSTeBA), Università del Salento, I-73100 Lecce, Italy

Prof. Dr. Kanta Tsumoto

Division of Chemistry for Materials, Graduate School of Engineering, Mie University, Tsu, Mie 514-8507, Japan

Deadline for manuscript submissions

closed (31 May 2022)



Life

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.0
Indexed in PubMed



mdpi.com/si/81294

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

mdpi.com/journal/

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





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)