

Special Issue

Revealing Drug Resistance Mechanisms: Advancements in CryoEM Technology

Message from the Guest Editor

Cryo-electron microscopy (CryoEM) has revolutionized the field of structural biology, enabling researchers to visualize biological macromolecules at a near-atomic resolution. Its applications have recently extended beyond basic structural biology to various domains, including drug resistance research. Understanding the molecular mechanisms behind drug resistance is paramount in developing effective treatments for diseases ranging from cancer to infectious diseases. The primary objective of this Special Issue is to provide a platform for researchers and experts in the field of CryoEM and drug resistance research to showcase their work, share insights and contribute to the collective understanding of drug resistance mechanisms. The research could either emphasize the pivotal role that CryoEM plays in elucidating the structural and functional aspects of drug-resistant biomolecules or share innovative methods, tools and techniques developed in the field of cryoEM to facilitate drug resistance research.

Guest Editor

Dr. Ye Zhou

Department of Computer Science, Duke University, Durham, NC 27708, USA

Deadline for manuscript submissions

closed (29 March 2024)



Life

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.0
Indexed in PubMed



mdpi.com/si/188800

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)