

Special Issue

Non-coding RNAs: Genomics, Biogenesis, Mechanisms, and Functions

Message from the Guest Editor

Non-coding RNAs (ncRNAs) represent a diverse group of transcripts that do not encode proteins but play pivotal roles as regulators across various biological functions and species. This category encompasses both housekeeping ncRNAs (e.g., rRNA, snoRNA, pseudogenes, and TERC) and regulatory ncRNAs (such as siRNA, miRNA, eRNA, lncRNA, and circRNA), each holding significant importance. Understanding the regulation of ncRNA levels is crucial for uncovering their biological significance. Quality-control mechanisms govern ncRNA abundance through biogenesis, processing, and degradation pathways. However, there's still a knowledge gap regarding the mechanisms and biological importance of these quality-control systems that manage ncRNA functions. This Special Issue aims to showcase recent advances in comprehending the molecular mechanisms underlying ncRNA abundance. It predominantly focuses on fundamental research providing novel insights into controlling ncRNA levels, as well as exploring clinical, diagnostic, and therapeutic perspectives of ncRNA-mediated physiological conditions. We welcome the submission of research and review articles exploring these themes.

Guest Editor

Dr. Yen-Sung Huang

1. Institute of Biomedical Sciences, Academia Sinica, Taipei, Taiwan
2. Graduate Institute of Aerospace and Undersea Medicine, National Defense Medical Center, Taipei, Taiwan

Deadline for manuscript submissions

closed (31 March 2025)



Life

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 7.1
Indexed in PubMed



mdpi.com/si/193172

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 7.1
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)