

Special Issue

Advances in Bacterial Metabolism, Gene Regulation, and Pathogenesis

Message from the Guest Editor

Bacterial factors, such as flagella, pili, adhesins, siderophores, and toxins, are critical for pathogenesis and disease development. Research on virulence factors and stress response has not only increased our understanding of the mechanisms underlying bacterial pathogenesis but has also contributed to identifying novel targets for alternative antibacterial therapy. Therefore, in this Special Issue of *Life*, we invite researchers to submit their papers to share with us advances in the understanding of bacterial metabolism, gene regulation, and pathogenesis. This Special Issue will comprise the topics below: Metabolomics analysis; Transcriptome analysis of the pathogen; Gene regulation of virulence factors; Chemotaxis and motility; Cell adhesion; Signal transduction; Stress response; Toxin production and secretion; Immune evasion mechanisms.

Guest Editor

Dr. Cheng-Yen Kao

Institute Microbiology and Immunology, National Yang Ming Chiao Tung University, Taipei 112, Taiwan

Deadline for manuscript submissions

closed (24 June 2022)



Life

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.0
Indexed in PubMed



mdpi.com/si/78422

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)