

Special Issue

Flagella

Message from the Guest Editor

Flagella are complex and fascinating structures that allow bacteria to swim in liquid environments or to swarm on soft and moist surfaces. The synthesis and functioning of flagella are very expensive for bacteria; highly regulated gene expression by environmental conditions is observed and is an important area of research on flagella.

Flagella are considered to be a critical virulence factor for pathogenic bacteria, with examples of host cell adhesion, entrance, and biofilm formation; studies in this area are essential to decipher the host–pathogen relationship. Finally, studies on the use of flagella as a vaccine adjuvant or as a target for vaccine in addition to studies about flagellotropic bacteriophages are important to evaluate particularly potent antibacterial therapies.

This Special Issue on bacterial flagella welcomes original results or reviews on all those various areas of basic and application-oriented research.

Guest Editor

Dr. Jean-Christophe Marvaud

Institut Micalis, Université Paris-Saclay, INRAE, AgroParisTech, 91400 Orsay, France

Deadline for manuscript submissions

closed (30 October 2022)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/102199

*International Journal of
Molecular Sciences*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijms@mdpi.com

[mdpi.com/journal/
ijms](https://mdpi.com/journal/ijms)





International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



[mdpi.com/journal/
ijms](https://mdpi.com/journal/ijms)



About the Journal

Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, and molecular biophysics. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

Editor-in-Chief

Prof. Dr. José L. Quiles
Department of Physiology, Institute of Nutrition and Food Technology
"Jose Mataix", Biomedical Research Center, University of Granada,
Avda. Conocimiento s/n, 18100 Armilla, Granada, 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, MEDLINE, Embase, CAPus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)