

## Special Issue

# State-of-the-Art Molecular Biophysics in USA

### Message from the Guest Editors

This Collection aims to publish significant contributions on all aspects of the physical principles governing biomolecular and biomimetic systems in USA. We welcome submissions that provide novel and mechanistic insights and papers that report significant advances in the fields. Topics include, but are not limited to:

- molecular structure and dynamics
- protein structure and dynamics;
- ion channels
- molecule biophysics;
- drug discovery
- structure–function relationships
- energy balance

The only limitation is that the main part of the study has to have been carried out in USA or by American researchers. The reliability of the results provided by novel tools for virtual screening and/or the discovery of new actives by virtual screening must be either validated in silico or in vitro before first submission of a manuscript to IJMS. Theoretical studies should offer new insights into understanding experimental results and/or suggest new experimentally testable hypotheses.

---

### Guest Editors

Dr. Ciria C. Hernandez  
Prof. Dr. Gennady Verkhivker  
Prof. Dr. Vladimir N. Uversky

---

### Deadline for manuscript submissions

closed (15 April 2024)



## International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



[mdpi.com/si/117263](https://mdpi.com/si/117263)

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