

Special Issue

Recent Advances in Biomolecular Recognition: 3rd Edition

Message from the Guest Editor

Living cells are extremely complicated systems and comprise hundreds of thousands of different biomolecules that interact with each other to maintain fundamental cellular functions. The disruption of these interactions is frequently linked to various human diseases. These interactions, i.e., biomolecular recognitions, are very specific and are mediated by both polar and nonpolar interactions. The goal of this Special Issue is to bring together wet- and dry-lab researchers with common interests in biomolecular recognition and to share their research efforts and to seek collaborations addressing common interesting questions. A Special Issue featuring works from researchers utilizing and developing different experimental and computational methods would certainly help to reveal the strengths and weaknesses of their approaches and enable one to make further improvements. Topics of interest include protein–protein binding; protein–membrane interactions; protein–nucleic acid interactions; interactions with small molecules and drug design; electrostatics, polarization, and solvation in molecular recognition; and mutations in molecular recognition.

Guest Editor

Prof. Dr. Ray Luo

Department of Molecular Biology and Biochemistry, University of California, Irvine, CA 92697, USA

Deadline for manuscript submissions

31 December 2024



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 8.1
Indexed in PubMed



mdpi.com/si/209665

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

mdpi.com/journal/

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





International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 8.1
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*, ISSN 1422-0067) 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, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *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. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle
Marche, Via Ranieri 65, 60100 Ancona, Italy

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, CAPlus / SciFinder, and other databases.

Journal Rank:

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