

Special Issue

Protein and DNA Interactions: 2nd Edition

Message from the Guest Editor

Protein/DNA interactions are crucial to many cellular processes, such as gene expression, replication, DNA repair, DNA compaction, and regulations. There are different types of interactions depending on the nucleotide sequence, structure, etc. Various approaches have been developed to study these protein/DNA interactions and their critical functions. They include structural analyses, molecular simulations, biochemical studies, mutation analyses, and single-molecule observations, among others. These studies clarified how proteins recognize their specific target DNA and modify its structure.

This Special Issue intends to provide a forum to discuss protein–DNA interactions from broader perspectives, ranging from those at an atomic/molecular level to a cellular/organismic level. In particular, review articles by experts in the field are welcome.

We invite you to contribute your research, expanding our current knowledge about protein/DNA interactions and the approaches used.

Guest Editor

Prof. Dr. Masayuki Takahashi

School of Life Science and Technology, Tokyo Institute of Technology,
Tokyo 152-8550, Japan

Deadline for manuscript submissions

closed (20 January 2025)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/171413

*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*, 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 (Organic Chemistry)