

## Special Issue

# Chromatin Remodeling and Its Regulation by Small Molecules

### Message from the Guest Editor

Chromatin remodeling is a key fundamental mechanism in gene control and chromatin maintenance, such as the activation or repression of transcription and DNA repair. Its deregulation is increasingly appreciated as being important for the development of cancer. Post-translational modifications play a decisive role in remodeler regulation, by either furnishing regulatory signals for mechanical processes such as the displacement or removal of nucleosomes or by providing epigenetic markers. Since chromatin remodelers in complex with nucleosomes provide numerous putative interaction surfaces, there is an emerging literature on the role of small molecules in intervening and co-regulating chromatin remodeling. This Special Issue aims to bring together research results in this important field. We are particularly interested in receiving papers that incorporate different approaches; exemplary cases, by no means exclusive, are listed in the keywords.

- Bromodomain inhibitors
- Antisense RNA
- Aptamers
- Histone deacetylase inhibitors
- DNA-methyltransferase inhibitors
- Peptide inhibitors
- Small-molecule inhibitors

### Guest Editor

Dr. Ralf Blossey

Research Director at CNRS, University of Lille, Unité de Glycobiologie Structurale et Fonctionnelle, CNRS UMR8576, 59000 Lille, France

### Deadline for manuscript submissions

closed (30 June 2020)



## International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



[mdpi.com/si/25186](https://mdpi.com/si/25186)

*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*, 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)