



## The Role of Genetic Variation on Transcription Factor Binding Sites in Evolution and Disease

Guest Editor:

**Dr. Gabriel Santpere**

Neurogenomics Group, Research Programme on Biomedical Informatics, Hospital del Mar Medical Research Institute, Department of Experimental and Health Sciences, Universitat Pompeu Fabra, Barcelona, Catalonia, Spain

Deadline for manuscript submissions:

**closed (30 September 2022)**

### Message from the Guest Editor

This Special Issue will highlight *in silico* and experimental approaches to study the contribution of genetic polymorphisms that create or disrupt TFBSs in disease and in evolution. This includes topics related to molecular evolution, regulatory sequences and both *in silico* and experimental analyses on transcription factor binding sites.

### Keywords

- molecular evolution
- transcription factor binding sites
- regulatory elements
- noncoding DNA
- evolution
- GWAS
- developmental disorders
- development
- ChIP-seq

**\*An early-bird discount** will be offered for submission before the deadline.

Please contact SI editor [liana.duan@mdpi.com](mailto:liana.duan@mdpi.com) for details.





an Open Access Journal by MDPI

## 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

## 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.

## 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 & Molecular Biology*) / CiteScore - Q1 (*Inorganic Chemistry*)

## Contact Us

*International Journal of Molecular  
Sciences* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/ijms  
ijms@mdpi.com  
X@IJMS\_MDPI