



an Open Access Journal by MDPI

Exploring the Genotype–Phenotype Map: Regulatory Pathways

Guest Editor:

Prof. Dr. Klaus Wimmers

Competence Area Genetics and Genomics, Research Institute for Farm Animal Biology (FBN), Wilhelm-Stahl-Allee 2, 18196 Dummerstorf, Germany

Deadline for manuscript submissions:

closed (30 September 2020)

Message from the Guest Editor

Dear Colleagues,

This Special Issue addresses studies focussing on the interdependencies between various levels of the genotype–phenotype map. The previous Special Issue, “Exploring the Genotype–Phenotype Map to Explain Complex Traits”, covered articles reporting the effect of variation at the level of genomes (SNP, CNVs), transcriptomes, proteomes, and metabolomes on complex traits in humans and animals. This second call for contributions especially invites research papers and reviews reporting regulatory pathways within and between the various levels of the genotype–phenotypemap as well as the epigenetic mechanism mediating the effect of environmental effects on the recruitment of genetic information shaping the organismal phenotype.

- network analysis
- regulatory pathways
- quantitative trait
- epigenetics
- non-coding RNAs
- transcriptomics
- proteomics
- metabolomics
- microarray
- next generation sequencing



mdpi.com/si/24708

Prof. Dr. Klaus Wimmers
Guest Editor

Special Issue



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
[@IJMS_MDPI](https://twitter.com/IJMS_MDPI)