

## Special Issue

# Latest Advances in Comparative Genomics

### Message from the Guest Editor

Comparative genomic studies reveal similarities and fundamental differences between species, thus providing important insights into the evolution and distinguishing aspects of different species. Over half a century ago, Susumo Ohno postulated that genomic duplication contributed to genomic evolution, and subsequent technological advancements in gene mapping and sequencing have enabled ever higher-resolution perspectives of genomic evolution. In the last 20 years, sequence alignment and phylogenetic reconstruction have become well-established tools of comparative genomics. Today, comparative genomics has been applied to many fields ranging from agriculture to zoology, using advanced and/or discipline-specific software tools and resources. The prime goal for this Special Issue of *International Journal of Molecular Sciences* is to spotlight novel research relevant to the field of comparative genomics. Basic, translational, and computational research studies, as well as studies using new, paradigm-shifting methods, are encouraged.

### Guest Editor

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### Deadline for manuscript submissions

closed (20 October 2025)



## International Journal of Molecular Sciences

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### Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* 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, and molecular biophysics. *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.

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