

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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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.

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