



Latest Advances in Comparative Genomics

Guest Editor:

**Dr. Candice Brinkmeyer-
Langford**

Department of Veterinary
Integrative Biosciences, School of
Veterinary Medicine and
Biomedical Sciences, Texas A&M
University, College Station, TX
77843, USA

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Message from the Guest Editor

Dear Colleagues,

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.

Dr. Candice Brinkmeyer-Langford
Guest Editor





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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

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*International Journal of Molecular
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MDPI, Grosspeteranlage 5
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