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Phylogeny and Genetic Diversity of Insects

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submissions:

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Message from the Guest Editor

Insects have shaped Earth's biota. However, many aspects of insect evolution are still poorly understood. The introduction of molecular phylogenetics has precipitated a revolution in our understanding of insect phylogeny. Thanks to the rapid development of high-throughput sequencing, we now have access to about 600 insect genomes, 440 transcriptomes, and 1500 mitochondrial genomes. Although incongruence between morphological and molecular phylogenies as well as between competing molecular studies are arising, phylogenomic analyses have helped to resolve many contentious relationships within insects. As large-scale genomic data and species sampling become more routine, we move towards an integrated understanding of insect phylogeny.

In this Special Issue, we aim to highlight research on "Phylogeny and Genetic diversity of Insects". We invite submissions in the form of reviews or original research articles on research using phylogenomic data to reveal diversity and relationships within insects. We invite studies that use genomic approaches to unravel basic questions of diversity and phylogeny in different insect groups.



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Special Issue



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Message from the Editor-in-Chief

Genes are central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fastmoving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised.

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