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Genetic Variants in Human Population and Diseases

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Deadline for manuscript
submissions:

closed (25 July 2023)

Message from the Guest Editor

Contemporary populations' genomic diversity reflects past demographic and evolutionary events. Their different temporal and spatial occurrence defines the genetic profiles causing differences among human populations but at the same time, they highlight the worldwide pattern consistent with the migration history that corresponds to the Out of Africa hypothesis. Studies of human genetic diversity have also enabled better understanding of the influence of genetic variation on disease risk and drug response. Accumulated knowledge in line with technological improvements have allowed the progress of personalized medicine as well. Since genetic distinctiveness is especially pronounced in isolated populations where the exchange of genes with other populations is minimal and where the increased frequency of otherwise rare or private alleles emerges, such populations should also be studied to enable their members to benefit from genomic diversity research as well. This Special Issue on "Genetic Variants in Human Population and Diseases" aims to present a collection of original articles or reviews on various aspect of human genetic variation at the gene and/or genome level.



mdpi.com/si/148384

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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