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Toxicogenomics and Human Health

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Deadline for manuscript submissions:

closed (20 September 2020)

Message from the Guest Editors

Dear Colleagues,

This Special Issue on Toxicogenomics and Human Health is intended to cover the study of the adverse effects of environmental and pharmaceutical chemicals on human health and the environment by the use of genomic technologies, including genetic analysis, genome sequence analysis, gene expression regulation, proteomics, and metabolomics. Toxicogenomics relies on the use of genomic technologies to assess potential harmful effects to human health, integrating toxicant-specific alterations in gene, protein, and metabolite expression patterns with phenotypic responses of cells, tissues, and organisms. By relying on the study of disturbances of genetic mechanisms it can provide insight into subtle gene–environment interactions, leading to information that can assist in better discriminating sensitive data to evaluate toxic exposure, adverse outcome pathways (AOPs), or predict effects on human health.



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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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