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New Insights of Environmental Toxicogenomics

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Deadline for manuscript submissions:

closed (10 October 2023)

Message from the Guest Editor

Since the publication of “Silent Spring” by Rachel Carlson in 1962 on the widespread environmental damage caused by the indiscriminate use of pesticides, the field of toxicology has evolved to toxicogenomics, which includes genome-wide association studies (GWASs) and epigenome-wide association studies (EWASs); these studies identify novel genetic and epigenetic variants that are associated with toxicant response phenotypes. In addition, there are now international societies and consortia dedicated to toxicogenomic research and implementation, developmental origins of health and disease (DOHAD) initiated by prenatal toxicant exposures, multigenerational epigenetic effects of toxicant exposures, and the increasing availability of toxicogenomic and epigenomic assays for basic researchers.

This Special Issue is a collection of articles showcasing novel and international research in toxicogenomics, spanning the field from discovery, to assay development, to regulatory implications.



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Special Issue



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Editor-in-Chief

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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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