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Genetic Architecture of Human Complex Diseases

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Deadline for manuscript submissions:
closed (15 May 2024)

Message from the Guest Editor

Dear Colleagues,

Human complex diseases are affected by a large number of genetic variations and environmental factors collectively. Deciphering the genetic architecture of human complex diseases has been a critical field to understanding the disease mechanism and developing novel treatments. Genome-Wide Association Studies (GWASs) have been a powerful tool to successfully uncover hundreds of thousands of genetic variants that are associated with complex disease risk. However, it remains challenging to interpret the functions of those variants, understand how their involved pathways confer the disease risk, and translate the findings into clinical practice. In response to these challenges, enormous resources, including biobank-scale GWASs, the curation of large-scale RNA-seq cohorts, and new statistical/computational methods, have been developed in the last decade. This Special Issue focuses on the latest advances in the genetic architecture of human complex diseases that help to dissect the disease mechanism at all levels. We are looking for original research articles, reviews, and perspectives on all relevant topics.

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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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