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Gene-Environment Interplay in Human Complex Traits

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Message from the Guest Editor

Dear Colleagues,

The combined evidence from decades of quantitative genetics and more than a decade of well-powered genome-wide association studies has demonstrated that many common traits and diseases in humans are associated with a complex of genetic and non-genetic (i.e., environmental) factors. Although many commonly used methods make the simplifying assumption that genetic and environmental effects act independently, it is widely appreciated that this is biologically implausible and that genetic and environmental factors have both separate and combined effects on complex traits.

In this Special Issue, we seek to bring together the latest research investigating this gene-environment interface. Examining genetic effects alongside specific and general environments provides vital context for understanding heterogeneity and progresses genetic research further towards biological insights into the role of these combined effects in human complex traits and diseases.

Dr. Jonathan Coleman

Guest Editor



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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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