



genes



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Host Genetics in Susceptibility to Infectious Diseases

Guest Editor:

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Deadline for manuscript
submissions:

closed (1 November 2020)

Message from the Guest Editor

The recent COVID-19 pandemic has made us painfully aware of the power and evolutionary pressure of infectious diseases. In the past, such episodes resulted in devastating losses, commonly affecting young children. This is at the very core of the Special Issue of *Genes*, where we would like to invite researchers to contribute to understanding the host genetic effects for infectious diseases' susceptibility. Special focus will be placed on studies that provide a methodological step forward over simple case-control studies, by addressing the problems related to the selection and assessment of controls; studies focusing on serological results for manifest and latent infections; and studies that utilize large sample sizes from the existing biobanks. Ultimately, we want to develop a knowledge base that will enable us to better understand the infectious diseases' pathogenesis, by analyzing pathogen-specific and joint pathways that predispose and make individuals more or less susceptible to infection, infectious disease development and severity, and eventually mortality.



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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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