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Molecular Risk Factors of Complex Diseases

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Message from the Guest Editor

Complex diseases (multifactorial diseases) are diseases with a strong genetic component and a defined background of environmental factors. The most characteristic features of complex diseases include the lack of the standard Mendelian patterns of inheritance and the broad spectrum of common candidate genes that may be genetic risk factors for these diseases. A strong genetic component in complex diseases is visible in occurrences inside of families and in the studies of monozygotic twins. Defining the molecular background of this group of diseases taking into account population differences may be important to improving diagnostic procedures and defining risk groups and may influence the individualization of treatment (pharmacogenetics) and a determination on prognosis.

This Special Issue of Genes on “Molecular Risk Factors of Complex Diseases” will be dedicated to researchers who are looking to confirm the genetic background of multifactorial diseases. It aims to review and discuss the latest research in this field and assist with the take-up of new ideas and research directions.

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Message from the Editor-in-Chief

Genes is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving 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. Why not consider *Genes* for your next genetics paper?

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