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Genetic Research of Neurodegenerative and Psychiatric Disorders

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closed (25 May 2021)

Message from the Guest Editors

In recent decades, numerous researchers have struggled to identify the etiopathogenesis of both psychiatric and neurodegenerative pathologies. In the past century, the first associations between genetic variations and these disorders caused a rush to find key genes whose alterations are causative of mental pathologies. We began to use novel approaches in order to identify the possible causative biological mechanisms: from the traditional neurocentric approach, to the inclusion of non-neuronal cell subtypes; from the focus on neurotransmission processes to the inclusion of several other processes, including immune/inflammation, oxidative stress; from the single-gene approach to pathway analysis.

In this Special Issue, we will present the state of the art on the genetics and genomic components of neurodegenerative and psychiatric disorders, assembling the most recent advances and original designs in one place, to provide a picture reflecting the biological/genetical background associated with disease pathogenesis and its role/significance in treatment.



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Special Issue



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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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