



Recent Insights into Toll-Like Receptors and Their Role in Psychiatric Disorders

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Deadline for manuscript
submissions:

closed (1 June 2023)

Message from the Guest Editor

Toll-like receptors (TLRs) are a key component of the innate immune system. They are pattern recognition receptors that are responsible for initiating the inflammatory response following microbial infection but also as a result of tissue damage and stress. TLRs were initially associated with chronic inflammatory diseases, but in recent years, there has been a growing interest in their potential role in psychiatric disorders such as schizophrenia, bipolar disorder, and depression. GWAS studies have reported genetic associations with the innate immune system, animal models have used TLR agonists to mimic behavioral phenotypes, and alterations in peripheral TLR activity have been reported in psychiatric populations. This Special Issue seeks to understand the role of these proteins in psychiatric disorders and how they might be targeted in the treatment of such disorders. Original manuscripts and reviews dealing with any aspect of synucleins and related pathophysiology are very welcome.





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