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Altered Central and Peripheral Inflammation in Depression

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Message from the Guest Editors

Dear Colleagues,

Depression is a complex and heterogenic psychiatric disease that affects more than 300 million of people worldwide and represents the number one cause of human disability. Accumulating preclinical evidence suggests that inflammatory processes in the brain and periphery are tightly associated with the etiopathology of depression. Additionally, a number of clinical data report high comorbidity between depression and inflammation-related medical conditions on the periphery of the body that are characterized by disrupted innate and immune responses and aberrant production of pro-inflammatory cytokines, and increased neurotoxicity. Furthermore, inflammation is also reported as one of the key factors in the pathophysiology of several neurological brain disorders that exhibit high comorbidity with depression. In this Special Issue, we will give an overview of how peripheral inflammation derived from different challenges health states communicates with the brain and affects its function and structure on a molecular level, and promotes susceptibility to depression.

For further reading, please, visit the [Special Issue website](#).



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Special Issue



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