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Exploring the Effect of Folate and Other B Vitamins on Brain Health and Disease

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Message from the Guest Editor

Dear Colleagues,

Vitamins of the B complex group play critical roles in cellular metabolism, and their deficiency leads to specific disorders. This is of utmost significance in embryonic development, especially in the development of the brain and the structural refinement and metabolic functioning of the neonatal and adult brain.

This Special Issue will focus on the role of these vitamins in brain development and function, the disruption of this process, and potential strategies for the prevention and treatment of brain disorders resulting from the deficiency or disrupted metabolism of B vitamins. Special emphasis will be placed on B12 and folate because of their role in fetal and neonatal brain development and in adult brain functional disorders such as depression, dementia, and schizophrenia. We also aim to explore genetic and epigenetic influences on developmental disorders, as well as the role that methyl donors play in regulating this process.



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Special Issue



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