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## Metabolism of Bioactive Lipids: Molecular Mechanisms in Brain Health, Disease and Clinical Applications

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### Message from the Guest Editor

The brain is highly susceptible to bioactive nutritional lipids released from processes that range from intrauterine development to aging. A scientific basis and rational understanding the impact of bioactive lipids on brain is essential to sustaining health and to proposing effective dietary strategies for the prevention of intrauterine nutritional lipid deficiencies leading to attention difficulties, neurobehavioral issues, cerebral palsy, epilepsy, and other cognitive and psychiatric disorders in growing children. Emerging knowledge, similarly, supports preventive and/or adjunctive treatment of Alzheimer's disease, Parkinson's disease, Huntington's disease, and frontotemporal lobar dementia FTD, and other various brain ailments in the aging population.

The Special Issue will include original studies and review articles focusing on: the impact of bioactive lipids and products enriched with them; on human brain metabolism and molecular mechanisms of action; and methods for the prevention of brain disease, with clinical applications throughout the lifespan.



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