Special Issue

Lipid Metabolism and Brain Health

Message from the Guest Editors

The brain is the second most lipid-rich organ in the body and lipid metabolism is closely linked to brain energy homeostasis, oxidative stress, neuroinflammation, and imbalances in neuroglial cell lipid metabolism affecting normal neuronal activity. The brain contains large amounts of sphingolipids, glycerophospholipids, and cholesterol, which are involved in synaptogenesis, neurogenesis, and impulse transmission, and are inextricably linked to the development and maintenance of the brain and the proper conduct of many other cellular processes. However, lipid accumulation production of lipotoxic metabolites induced by impaired lipid metabolism in the brain may further trigger central nervous system diseases and injuries.

This Special Issue is dedicated to collecting the latest research and knowledge present in the scientific community in relation to how the lipid metabolism influences brain health outcomes. We encourage researchers to submit any studies related to the brain lipid metabolism and how this converges to either positively or negatively influence brain health outcomes.

Guest Editors

Dr. Raymond H. Thomas

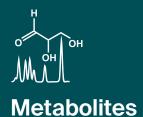
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About the Journal

Message from the Editor-in-Chief

The metabolome is the result of the combined effects of genetic and environmental influences on metabolic processes. Metabolomic studies can provide a global view of metabolism and thereby improve our understanding of the underlying biology. Advances in metabolomic technologies have shown utility for elucidating mechanisms which underlie fundamental biological processes including disease pathology. *Metabolites* is proud to be part of the development of metabolomics and we look forward to working with many of you to publish high quality metabolomic studies.

Editor-in-Chief

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