

Special Issue

Lipidomics and Neurodegenerative Diseases

Message from the Guest Editors

Lipidomics is a targeted approach focusing on the comprehensive analysis of all lipids in biological systems. The development of soft ionization techniques, such as electrospray (ESI) and matrix-assisted laser desorption ionization (MALDI) mass spectrometry (MS), has greatly enhanced the development and application of lipidomics. Facing lipidomic analysis by MS offers both the understanding of the definite functions of lipid species in health and disease and allows the identification of potential biomarkers for establishing protective and/or therapeutic programs for human disease. This Special Issue focuses on the recent advancements in lipidomic technologies including sample preparation, direct-infusion ESI-MS and ESI-MS/MS, LC coupled with ESI-MS or MS/MS, MALDI and advanced molecular imaging techniques for their selected applications in neurodegenerative diseases.

Guest Editors

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Deadline for manuscript submissions

closed (31 December 2020)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



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*International Journal of
Molecular Sciences*
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