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# Brain Sterols: Biosynthesis and Physiology in Health and Disease

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# **Message from the Guest Editors**

Dear Colleagues,

The brain fully relies on its intrinsic sterol biosynthesis. Cholesterol in the nervous system is a critical structural component of cellular membranes and lipid rafts, required for synapse and dendrite formation and axonal guidance, and it serves as a precursor for various biosynthetic pathways. In this Special Issue, we explore brain sterol biosynthesis, turnover, function, distribution, and pathophysiological changes associated with inborn errors of sterol metabolism, development, aging, and neuropsychiatric disorders. We also explore medication effects on brain sterol biosynthesis through the lifespan. We welcome your reviews and original data articles on this very important research topic.

Prof. Dr. Karoly Mirnics Prof. Dr. Zeljka Korade Guest Editors













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