



Function and Expression of Neural Glycans

Guest Editor:

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Message from the Guest Editor

We all know that over half of mammalian proteins are glycosylated. Glycans on proteins and lipids, having a wide variety of structures, play pivotal roles in various biological events. In the nervous system, structurally unique glycans (e.g., HNK-1 epitope, polysialic acid, and so on) are expressed, and a number of studies have revealed that neural glycans are critically involved in neural development, synaptic plasticity, and development and aggravation of various neural disorders. However, not all functions of these neural glycans have been clarified, and little is known about how expression of these neural glycans is regulated. In this Special Issue, we deal with various types of neural glycans which have physiological and pathological functions in the nervous system. I believe that the papers in this issue will provide readers with new insights into the mechanisms of how neural glycans function and are regulated.





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Message from the Editor-in-Chief

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