



Effects of Environmental Factors on the Nervous Tissue Functioning: Molecular Bases of Neuropathogenic Mechanisms

Guest Editor:

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Message from the Guest Editor

The central nervous system (CNS) is one of the organs that must be above all preserved in order to avoid dramatic outcome. Nevertheless, brain tissue mostly represents a mosaic of different sub-regions rather than a real organ and as a consequence can react in various ways to pathogenic effects despite the role of the blood brain barrier (BBB). Comparing with other organs, numerous cellular and molecular mechanisms in nervous circuits are still unclear. Beside the CNS, peripheric nerves are also subjected to external factors. Among factors that putatively modulate neuronal functions, environmental factors represent a large family of compounds crossing the BBB and influencing both neurons and glial cells dynamics. The elucidation of molecular mechanisms involved in such deregulations of nervous tissues could lead to propose therapeutic targets for unsolved current nervous dysfunctions.

This special issue encourages to submit the studies concerning the functioning of either neurons and glial cells in terms of genes expression, molecular pathways, external signals reception and molecular basis of behaviors, under the influence of pollutants or nutritional factors, are welcome.





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Message from the Editor-in-Chief

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