



## New Molecular Insight into Solute Carrier Membrane Transporters Expressed in the Nervous System

Guest Editor:

**Dr. Elena Bossi**

Laboratory of Cellular and  
Molecular Physiology,  
Department of Biotechnology  
and Life Sciences, University of  
Insubria, Via Dunant 3, 21100  
Varese, Italy

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### Message from the Guest Editor

SLC (solute carrier) transporters play a crucial role in the cell life by moving ions, nutrients, metabolites and signaling molecules across cell membranes.

Recent findings have highlighted the diverse functions of SLCs under physiological, pathological and pharmacological conditions. These functions include binding the neurotransmitter present in the cytosol and facilitating its extracellular export through transporter reversal, as well as mediating various effects dependent on ionic fluxes and currents generated by the transporters themselves.

In conclusion, this special issue aims to explore the similarities and differences in the structure, function, and kinetics of SLC proteins expressed in the nervous system.





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### Prof. Dr. Maurizio Battino

Department of  
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Sez-Biochimica, Faculty of  
Medicine, Università Politecnica  
delle Marche, Via Ranieri 65,  
60100 Ancona, Italy

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*International Journal of Molecular  
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MDPI, St. Alban-Anlage 66  
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