



## Aquaporins in Brain Disease

Guest Editors:

**Prof. Dr. Miriam Echevarría**

Department of Physiology and  
Biophysics, University of Seville,  
41009 Seville, Spain

**Prof. Dr. Pablo García-Miranda**

Department of Physiology and  
Biophysics, University of Seville,  
41009 Seville, Spain

Deadline for manuscript  
submissions:

**closed (15 November 2023)**

### Message from the Guest Editors

Dear Colleagues,

The expression of several aquaporins has been reported in the brain of mammals. Their functioning, particularly for AQP4 and AQP1, has been associated with facilitating the flow of water through the brain compartments (blood, interstitial space, and CSF) and plays an important role in CSF homeostasis. Furthermore, in different brain pathological conditions ranging from acute brain injuries (stroke, traumatic brain injury), to edema, to autoimmune demyelinating disease such as NMO, a key role for AQP4 has been indicated. Previous evidence indicates that brain AQPs may be involved in cell migration, angiogenesis, and human brain tumor growth, again making these proteins a potential therapeutic approach by antagonizing their biological activity. Papers related to any aspect of aquaporin physiology and expression in the CNS, biochemistry, and molecular biology aspects of brain AQPs, neurological diseases, and/or animals model relating AQPs to brain pathology will be considered for this Special Issue. Experimental and up-to-date review articles and commentaries are also welcome.





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## Editor-in-Chief

### Prof. Dr. Maurizio Battino

Department of  
Odontostomatologic and  
Specialized Clinical Sciences,  
Sez-Biochimica, Faculty of  
Medicine, Università Politecnica  
delle Marche, Via Ranieri 65,  
60100 Ancona, Italy

## Message from the Editor-in-Chief

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*International Journal of Molecular  
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MDPI, Grosspeteranlage 5  
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