

Special Issue

Multiplicity of Cerebrospinal Fluid Functions in Health and Disease

Message from the Guest Editor

In recent years, the role of CSF in brain development, normal function and health of the brain, is becoming clear, particularly in metabolic processes, supply of nutrients, metabolites and vitamins. Then, we have the vital role of CSF in removal of metabolic and cellular waste products including amyloid and cellular breakdown products. Here, the high volume of CSF production becomes important as decreased CSF output has been linked to amyloid deposition and dementia. The lack of efficient drainage also clearly leads to metabolic dysfunction, specifically in folate metabolism but no doubt in other pathways as well. The recent hot topic in CSF research is, of course, the glymphatic pathway which has certain issues in its application to the global fluid dynamics of the brain since the perivascular spaces exist only in the topmost layer of the brain. This Special Issue will hopefully explore the different aspects of CSF biology, physiology and functions from different directions and fuel further interactions, debate and research to find answers to questions on this poorly studied physiological fluid.

Guest Editor

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Deadline for manuscript submissions

closed (20 May 2024)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/163255

*International Journal of
Molecular Sciences*
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