

Special Issue

The Diagnostic Value of Cerebrospinal Fluid

Message from the Guest Editors

Cerebrospinal fluid (CSF) is in direct contact with the brain and extends into the spinal cord. The main functions of CSF are to provide physical stability for the central nervous system (CNS), to actively regulate the CNS by supplying hormones and neuropeptides to it, and to remove various CNS metabolites. Due to its direct contact with the CNS, CSF is of great diagnostic importance. Thus, it can serve as a representative for the state of health of the CNS and provide important information on neurological diseases and disorders, which include for instance dementias (e.g. Alzheimer disease and Parkinson's disease), cerebrovascular diseases (e.g. stroke), neurotraum (e.g. spinal cord injury and traumatic brain injury), multiple sclerosis, neuroinfections and brain tumors. In this Special Issue, we welcome contributions that provide an update on a wide range of topics in CSF diagnostics (e.g. milestones in CSF analysis or the current diagnostic standards). However, this issue also focuses on new and innovative approaches that are important for CSF-based diagnostics.

Guest Editors

Dr. Katalin Barkovits

Medizinische Proteom-Center (MPC), Ruhr-University Bochum, Bochum, Germany

Prof. Dr. Katrin Marcus

Medizinische Proteom-Center (MPC), Ruhr-University Bochum, Bochum, Germany

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
diagnostics@mdpi.com

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Editor-in-Chief

Prof. Dr. Andreas Kjaer
Department of Clinical Physiology, Nuclear Medicine & PET National
University Hospital, Rigshospitalet, University of Copenhagen,
Blegdamsvej 9, DK-2100 Copenhagen, Denmark

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