Special Issue

Blood-Brain Barrier Proteomics

Message from the Guest Editors

The genomic and proteomic technologies used over the last two decades has already provided several means to extend the blood-brain barrier (BBB) knowledge and to investigate additional routes to bypass this barrier. These profiling technologies have been applied to BBB models to decipher the physiological characteristics and, under stress conditions, to understand the molecular mechanisms of brain diseases. Now that the work is in progress to understand the human BBB, it will be necessary to identify the molecular expression, to clarify interspecies and in vivo–in vitro differences, and to estimate transport function in humans. Certainly a thorough proteomic analysis will provide additional information concerning brain pathologies or BBB metabolism. This Special Issue of *Proteomes* welcomes submissions of original research or review articles aiming to unravel the physiological and pathological functioning of BBB with the use of proteomics tools. We ask experts in the field to contribute their most recent research and perspectives on this fascinating and rapidly progressing topic.

Guest Editors

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About the Journal

Message from the Editorial Board

Proteomes is an international, peer-reviewed, open access journal that was first published in 2013 by MDPI. *Proteomes* addresses all aspects of proteome analysis with a special focus on the quantification and characterisation of the proteome at the level of proteoforms. We encourage submission of articles that accurately quantify and characterise the proteome, as well as new and updated methods and technologies that enhance the accurate quantification and characterisation of the proteome and thereby provide evidence directly facilitating the understanding of biological mechanisms. Articles emphasising a multi/transdisciplinary approach combining different omics techniques are welcomed.

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