Special Issue

Mass Cytometry and Mass Imaging in Neuroinflammation

Message from the Guest Editor

Neuroinflammation defines the collective reactive immune response in the central nervous system (CNS) in response to injury, stress and disease. Inflammation of the CNS occurs with many diseases and disorders.Recent technical advances allow scientists to go deeply into the characterization of the pathological mechanism of the neuroinflammatory disease of the central nervous system. In this context, the multiparametric approach using imaging mass cytometry (IMC) enables simultaneous detection of up to 30–40 antigens using metal-tagged antibodies resulting in cytometric data or two-dimensional imaging.In this Special Issue, manuscripts reporting how the IMC promotes the understanding of pathological processes in neuroinflammation, and how those data generate new clinical approaches to neuroinflammation, particularly in multiple sclerosis are welcome. We aim at providing a collection of high-impact manuscripts dissecting the unknown or lesser-studied neuroinflammatory pathological processes through IMC that could lead to a new therapeutic approach to neuroinflammatory diseases.

Guest Editor

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Message from the Editor-in-Chief

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