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Impact of Environmental Factors in Neuroinflammation Development: Role of microRNA and Opportunity for Diagnosis and Pharmacological

Guest Editor:

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Deadline for manuscript
submissions:

closed (30 September 2021)

Message from the Guest Editor

The chance of developing neurological disorders increases significantly with age, in particular in industrial countries where pollutant emission is high. MicroRNA (miRNA) are a class of well-known noncoding RNA with a dynamic spatiotemporal expression pattern. Increasing experimental and clinical evidence indicates that miRNA expression is profoundly altered in neuroinflammatory diseases and that its normalization by using oligonucleotide-based therapy approaches is sometime sufficient to treat or even to eradicate pathologies, at least in animal models.

This Special Issue aims to gather relevant original research and review manuscripts on some challenging aspects of miRNA biology in neuroinflammatory diseases. Manuscripts on the impact of external environments factors such as air pollution, pesticides, as well of internal factors such as stress hormones, chronic alcohol consumption on the regulation of miRNA during the development of neuroinflammatory processes are particularly encouraged, as well as manuscripts presenting animal models recapitulating these diseases. Studies on age-related neuroinflammatory pathologies are also of interest.



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Special Issue



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