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Role of Non-coding RNAs in Regulation of Gene Expression in Neuroinflammation

Guest Editor:

Dr. Vivek Sharma
Department of Biological Sciences, BITS Pilani Hyderabad Campus, Pilani, India

Deadline for manuscript submissions:
closed (25 August 2023)

Message from the Guest Editor

Dear Colleagues,

The expression of regulatory non-coding RNAs such as microRNAs (miRNAs), long non-coding RNAs (lncRNAs), and circular RNAs (circRNAs) is altered in several diseases of the central nervous system (CNS), such as neurodegenerative disorders, stroke, trauma, and infection. It has become clear that regulatory RNAs regulate pro-inflammatory and anti-inflammatory pathways in the CNS. They modulate cellular phenotypes and functions as regulators of gene expression during neuroinflammation by using diverse mechanisms through interactions with proteins, RNA, and DNA.

They have also emerged as attractive markers for diagnoses and targets for therapies for diseases in the CNS.

This Special Issue will focus on the molecular, cellular, and (pre)clinical aspects of miRNAs, lncRNAs, and circRNAs during neuroinflammation in CNS disorders. Authors are encouraged to submit their original research studies on this theme. Reviews that highlight new findings in the above areas are also welcome. I hope that this Special Issue will be of interest to the readers of *Brain Science*

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Editor-in-Chief

Prof. Dr. Stephen D. Meriney
Department of Neuroscience,
University of Pittsburgh,
Pittsburgh, PA 15260, USA

Message from the Editor-in-Chief

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Rapid Publication: manuscripts are peer-reviewed and a first decision is provided to authors approximately 12.9 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the first half of 2024).

Contact Us

Brain Sciences Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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