

## Special Issue

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

### Message from the Guest Editor

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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### Guest Editor

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### Deadline for manuscript submissions

closed (25 August 2023)



## Brain Sciences

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Impact Factor 2.8  
CiteScore 5.6  
Indexed in PubMed



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You are invited to contribute a research article or a comprehensive review for consideration and publication in *Brain Sciences* (ISSN 2076-3425). *Brain Sciences* is an open access, peer-reviewed scientific journal that publishes original articles, critical reviews, research notes, and short communications on neuroscience. The scientific community and the general public can access the content free of charge as soon as it is published.

### Editor-in-Chief

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