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# The Emerging Role of Mitochondria in Neurobiology

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Deadline for manuscript submissions:

31 March 2025

# **Message from the Guest Editors**

Dear Colleagues,

Mitochondria, often recognised as the powerhouse of the cell, have increasingly been identified as crucial players in neurobiological processes. This Special Issue aims to gather cutting-edge research that elucidates the multifaceted roles of mitochondria in neural function, development, and disease.

We invite contributions investigating mitochondrial dynamics, bioenergetics, and their regulatory mechanisms within the nervous system. Submissions exploring how mitochondrial dysfunction contributes to neurodegenerative diseases (e.g., AD, PD, and ALS) are particularly welcome. Additionally, we seek studies on mitochondrial involvement in neural plasticity, synaptic function, and neurogenesis.

This Special Issue will provide a comprehensive overview of the current state of mitochondrial research in neurobiology, highlighting novel discoveries and technological advancements. We encourage the submission of original research articles, reviews, and methodological papers that contribute to a deeper understanding of mitochondrial roles in the realm of neural health and disease.







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## **Message from the Editorial Board**

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