



## Artificial Intelligence in Neurobiology and Neurologic Diseases

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### Message from the Guest Editors

Dear Colleagues,

Millions of people are affected by neurological disorders. Patients with this condition have lots of limitations impacting not just their life but also their caregivers. Early detection of the condition can be improved with the help of Artificial Intelligence (AI) based techniques. AI is having a disruptive and transformative effect on clinical medicine. For neurology and neurobiology, there have been increasing interests in developing models and tools to address the complex patterns of connectivity in brain tissue. This special issue focuses on current AI-driven approaches to clinical neuroscience and an assessment of the associated key methodological and ethical challenges. The fundamentals of AI in neurobiology and neurology, its applications and use cases in various areas of neurobiology and neurology and how AI-based algorithms can transform the management of neurological diseases will be favored. Research implications, novel methods involving deep learning models, AI-based neuroimaging using brain scans to detect neurological disease will be highlighted.





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## Message from the Editor-in-Chief

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