Special Issue

Perspectives of Artificial Intelligence (AI) in Aging Neuroscience

Message from the Guest Editors

The aim of this Special Issue is to provide a comprehensive roadmap highlighting perspectives and challenges regarding AI methodologies in aging neuroscience. We welcome articles of all types that offer valuable insights into the following domains:

- Identification of subtle patterns in neuroscientific data
- indicative of the onset of neurodegeneration;AI tools for more accurate functional and structural mapping of age-related physiological and pathological changes;
- Machine learning techniques for improving predictions of chronological aging
- AI-powered outcome measures for evaluating interventions and drugs aimed at preventing or delaying the onset of neurodegeneration;
- Chatbots, robotic systems, and generative AI applications that promote active and healthy aging;
- Natural Language Processing models serving as coaching or recommendation systems in both physiological and pathological aging

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Message from the Editor-in-Chief

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.

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