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Perspectives of Artificial Intelligence (AI) in Aging Neuroscience

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Deadline for manuscript submissions:
closed (31 August 2025)

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

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