



AI



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Artificial Intelligence in Healthcare and Neural Engineering

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submissions:

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Message from the Guest Editors

Dear Colleagues,

This Special Issue focuses on recent advances in neural information processing and machine learning techniques for healthcare and neural engineering. For this purpose, we invite researchers to contribute original research papers dedicated to developing advanced pattern recognition, machine learning, and computational neuroscience methods for healthcare applications, including computer-aided diagnosis and prognosis, neural system rehabilitation, brain-computer interface, and so on. Potential Topics include but are not limited to the following:

- Neuroimaging data analysis for healthcare engineering
- Multi-dimensional optimization of neural features
- Deep learning for neural information processing
- Methods and applications of brain-computer interface
- Multimodal brain imaging fusion
- Brain connectivity modeling and analysis
- Multimodal human-computer interaction
- Brain functional and structural disease diagnosis
- Neural computing-based treatment outcome prediction
- Neural systems and rehabilitation engineering



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Special Issue