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Human Brain Dynamics: Latest Advances and Prospects—2nd Edition

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Message from the Guest Editor

In recent years, machine learning and artificial intelligence algorithms have been utilized to solve many fascinating problems in different fields of science, including neuroscience. In this Research Topic, we are aiming to unite researchers from machine learning and computational neuroscience and to stimulate collaboration between experts in these fields. More specifically, this collection of articles is intended to cover recent directions and activities in the field of machine learning, especially the recent paradigm of deep learning, in neuroscience dedicated to analysis, diagnosis, and modeling of the neural mechanisms of brain functions.

We are seeking original research papers covering topics from systems/cognitive and computational neuroscience to neuroimaging and neural signal processing. Original research and reviews, as well as theoretical work, methods, and modeling articles are welcome. The research work includes experimental studies using state-of-the-art electrophysiology and neuroimaging as well as experimentally based computational or theoretical work and biologically inspired neural networks.



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Message from the Editor-in-Chief

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