Special Issue

Brain Dynamics and Connectivity from Birth through Adulthood

Message from the Guest Editor

In a wide variety of neurological and neuropsychological disorders, network disruption has been shown to better provide deeper insights into the topological patterns underlying neurocognitive dysfunctions. Neuroimaging studies have shifted from examining individual brain regions towards examining the whole brain as an integrative complex network to give rise to coherent perception, cognition and action. This special issue aims at presenting the latest findings on brain functions, structure and cognition with a particular emphasis on functional and structural connectivity in neurodevelopmental and aging groups. **Our topics of interest include (but are not limited to):**

- Invasive/non-invasive brain imaging;
- Clinico-anatomical correlation studies;
- Multimodal imaging;
- Task-based/resting state functional connectivity (EEG, MEG, fMRI, fNIRS);
- Structural connectivity (DWI);
- Multimodal/multiscale brain connectivity analysis;
- Data-driven and model based brain connectivity analysis;
- Application of machine learning to structural and functional connectome mapping.

Guest Editor

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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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