

Special Issue

Application of Brain Imaging in Mental Illness

Message from the Guest Editor

Mental illnesses as psychiatric and psychosomatic diagnoses are still mainly based on clinical syndromes rather than measurable biophysiological abnormalities. Progress in neuroimaging technology and analytical methods has supported:

- research into subtle but measurable radiological characteristics of mental diseases;
- experimental classification of psychiatric disorders;
- prediction of response to treatment;
- development of innovative effective therapies.

Mental illnesses can be understood as disorders of structural/functional disintegration. This Special Issue highlights advances in neuroimaging modalities that are now allowing assessment of brain structures, connectivity, and neural network functions; describes technical aspects of the most promising methods; and report observations made in mental illnesses. We welcome contributions relating to:

- neuroimaging biomarkers;
- structural and functional neural alterations;
- the role of neuroimaging in predicting treatment responses;
- novel neuroimaging techniques;
- implications of using neuroimaging in the diagnosis and treatment of mental illnesses.

Guest Editor

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Deadline for manuscript submissions

closed (25 October 2024)



Brain Sciences

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Impact Factor 2.7
CiteScore 4.8
Indexed in PubMed



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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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