

Special Issue

Application of Neuroimaging Biomarkers in the Diagnosis and Treatment of Mental Diseases, 2nd Edition

Message from the Guest Editors

This Special Issue will focus on recent advances in the use of magnetic resonance imaging (MRI) for the diagnosis and pharmacological treatment of mental diseases. In recent years, the field has made extraordinary efforts to identify imaging biomarkers as potential tools to improve the prevention, diagnosis and treatment of mental diseases. For example, different studies have attempted to use neuroimaging biomarkers for treatment responses in psychiatric disorders, such as major depressive disorders, using brain volumetric magnetic resonance imaging (MRI), functional MRI (resting-state and affective tasks), diffusion tensor imaging, magnetic resonance spectroscopy, near-infrared spectroscopy and molecular imaging (i.e., positron emission tomography and single-photon emission computed tomography). In this Special Issue, we welcome preclinical and clinical studies that underscore the application of neuroimaging biomarkers in the diagnosis and treatment of mental diseases as potential biomarkers. Our aim is to provide a better understanding of the pathophysiology and effective ways to personalize treatment in mental diseases.

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Editor-in-Chief

Prof. Dr. Amélia Pilar Rauter

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