

## Special Issue

# Application of Magnetic Resonance Imaging (MRI) in Diagnosis and Treatment of Mental Diseases

### Message from the Guest Editors

This Special Issue will focus on the 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 progress in to identify imaging biomarkers as potential tools to improve the prevention, diagnosis and pharmacological treatment of mental diseases. 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 Magnetic Resonance Imaging (MRI) in the diagnosis and pharmacological treatment of mental diseases using potential biomarkers to provide a better understanding of the pathophysiology and effective ways to personalize treatment in mental diseases as well as provide new insights into pharmacology in the psychiatric field.

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### Guest Editors

Prof. Dr. Deborah A. Yurgelun-Todd

Dr. Douglas Kondo

Dr. Nicolas A Nunez

Dr. Perry Franklin Renshaw

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### Deadline for manuscript submissions

closed (5 August 2024)



## Pharmaceuticals

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### Editor-in-Chief

Prof. Dr. Amélia Pilar Rauter

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