

Special Issue

Advancements in Neuroimaging Approaches for Brain Disorders

Message from the Guest Editor

Brain disorders cover a wide spectrum of diseases associated with brain tissue damage, including neurodegenerative diseases (e.g., Alzheimer's disease, Parkinson's disease, Multiple Sclerosis), brain injury, tumor, mental health disorders, etc. The underlying mechanisms of most of those diseases remain unclear, and researchers have been studying them for decades. Recent advancements in neuroimaging offer us new approaches to explore both structural and functional brain alterations. Those neuroimaging methods include but are not limited to functional MRI, diffusion tensor imaging, PET, and combinations of multiple imaging modalities. The information extracted from those imaging approaches is potentially valuable for early diagnosis, evaluation of treatment effects, and monitoring of pathology development in various brain disorders. In this Special Issue on "Advancements in Neuroimaging Approaches for Brain Disorders", we aim to offer readers an overview of the latest research on how state-of-the-art neuroimaging methods benefit the clinical diagnosis and treatment of brain disorders.

Guest Editor

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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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