Special Issue

Multimodal Imaging in Brain Development

Message from the Guest Editor

Modern neuroscience recognizes cognition as the result of the interplay between cortical areas wired in complex networks. These networks can be effectively studied through neuroimaging techniques, which allow for the visualization and analysis of brain connectivity and activity. This Special Issue seeks to integrate various neuroimaging approaches to characterize brain development and its associated conditions comprehensively. Preference will be given to articles that advance the characterization of brain development, discover new mechanisms of disease, develop innovative methods of imaging analysis, and create predictive models for disease onset and progression. By focusing on the identification and validation of neuroimaging biomarkers, this research aims to bridge the gap between basic neuroscience and clinical application. The ultimate goal is to enhance our understanding of brain development, improve the early detection of developmental disorders, and refine therapeutic interventions to support optimal cognitive and neural outcomes.

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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