Special Issue

Deep into the Brain: Artificial Intelligence in Brain Diseases

Message from the Guest Editors

Over ten millions of people have died from brain diseases yearly since 2016. The diagnosis and prevention of brain diseases represent a growing and one of the most difficult challenges of modern medicine. In order to enhance our understanding of the brain mechanisms underlying those clinical conditions, medical imaging techniques such as Magnetic Resonance Imaging (MRI), Computed Tomography (CT) and Positron Emission Tomography (PET) are usually employed. However, neuroimaging approaches return a significant amount of information where identifying the specific brain processes associated with the clinical condition of interest might be challenging. Additionally, the standard processing of medical imaging outcomes can be time-consuming and comes with a non-negligible chance of error. Artificial Intelligence (AI) techniques have a key role in automatizing those processes, leading to more accurate clinical assessments.

This Special Issue aims at collecting the latest works showing the successful employment of AI to enhance the investigation, diagnosis and outcome prediction of brain disease.

Guest Editors

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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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