Special Issue

Application of Biomedical Optical Imaging Technology in Neurological Diseases: New Advances and Perspectives

Message from the Guest Editor

Over the past several decades, neurological conditions, such as epilepsy, Alzheimer disease and other dementias, and cerebrovascular diseases, have become more and more prevalent, and the research and treatment of these diseases has also received wide attention. With the continuous progress of biomolecular optical labeling technology, biomolecular optical imaging technology (such as NIRS, fluorescence molecular tomography, etc.) is playing an increasingly important role in nervous system disease research, and also provides more and more effective means for clinical diagnosis and treatment. This Special Issue aims to present a collection of studies detailing the most recent advancements in the application of biomedical optical imaging technology in neurological diseases. Authors are invited to submit cutting-edge research and reviews that address a broad range of topics related to the application of biomedical optical imaging technology in patients with neurological diseases, including the mechanism of action, the best parameters for different patient populations, the recommended dosage, safety, using an augmentative treatment technique, and future perspectives in this field.

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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