



Magnetic Resonance Imaging and Magnetic Particle Imaging: Perspectives and Applications

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Message from the Guest Editors

Biomedical imaging, crucial for non-invasive disease diagnosis and treatment monitoring. In the last decade, it has witnessed remarkable progress in terms of resolution, speed, and diagnostic accuracy. Magnetic resonance imaging (MRI) and magnetic particle imaging (MPI) represent two powerful imaging techniques that have transformed the landscape of medical diagnostics and research. These combined innovations signify a paradigm shift, promising more precise, efficient, and personalized diagnostic and therapeutic applications in the field of biomedical imaging.

This Special Issue aims to publish original research, short communications, and review articles focusing on technological advancements in MRI and MPI to innovate biomedical and healthcare applications. This Special Issue will provide comprehensive information on progress and approaches for improvement in these imaging techniques encompassing, but not limited to, the development of improved scanners and fabricating novel nanomaterials as contrast agents. The topics in this Special Issue can help to develop these imaging modalities for futuristic biomedical applications and precision medicine.

