Special Issue

Information Processing in Medical Imaging

Message from the Guest Editors

The practice of modern medicine increasingly relies on medical imaging from multiple sources to guide better diagnosis and therapy. Large amounts of medical images collected from different systems and devices are produced daily, such as computed tomography (CT), magnetic resonance (MR) imaging, positron emission tomography (PET), single photon emission computed tomography (SPECT), photoacoustic tomography, ultrasound, optical coherence tomography, EEG/MEG, and pathological imaging. Modern image processing technologies can improve medical image quality considering the physics degradation factors or extract information from medical images for guidance, which help doctors improve diagnostic accuracy and reliability. In this Special Issue, we invite novel research contributions showing information processing techniques in medical imaging. Possible research topics include, but are not limited to:

- Reconstruction;
- Denoising;
- Segmentation;
- Classification;
- Registration;
- Motion analysis.

Guest Editors

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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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