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Image Analysis and Biomedical Sensors

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Message from the Guest Editors

Recent advances on medical image analysis, mostly driven by deep learning developments, have shown a great impact on improving the current state of the art on disease detection, diagnosis, monitoring and prognosis, both on pre-clinical and clinical scenarios.

The core themes of this Special Issue include, but are not limited to:

- Advances in image analysis for disease detection, diagnosis and/or monitoring, including, but not limited to MRI, X-ray, PET, ultrasound, etc.
- Advances in multimodal systems for diagnosis, prognosis, treatment, and/or prevention.
- Pre-clinical, clinical, and in silico (virtual clinical trials) applications of novel image analysis and/or biomedical sensing technologies, including but not limited to cancer imaging, neuroimaging, cardiothoracic imaging, aging, etc.
- Artificial intelligence and machine learning methods for biomedical image and signal analysis.

Keywords:

- medical image analysis
- biomedical sensors
- clinical and virtual clinical trials
- machine learning
- artificial intelligence



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Message from the Editor-in-Chief

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