

## Special Issue

# Medical Artificial Intelligence and Data Analysis

### Message from the Guest Editors

Artificial intelligence (AI) technology has been widely used in medical image processing to screen clinical lesions. The classification, segmentation, and location of clinical lesions using medical images represent major tasks for deep learning. In addition, medical image registration based on deep learning constitutes an important research direction. This Special Issue entitled “Medical Artificial Intelligence and Data Analysis” aims to highlight the most recent advances in the field of deep learning for medical image processing. We invite authors to submit original research articles and review articles that focus on the following topics: 1. Advanced deep-learning methods for medical image classification, segmentation, and registration; 2. Lesion identification and localization in medical images; 3. Deep learning in multimodal medical data; 4. The interpretability of deep learning for medical images; 5. Deep learning in unbalanced samples for medical images; 6. Efficient annotation of medical images for deep learning; 7. Small-sample learning for medical images; 8. Quality control stress test for deep learning in medical images.

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### Deadline for manuscript submissions

closed (31 December 2025)



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### Editor-in-Chief

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