# Artificial Intelligence and Big Data for Healthcare and Biological Data Processing

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## Message from the Guest Editor

The advent of artificial intelligence (AI) in healthcare has been a breakthrough, reshaping the way we diagnose, treat, manage, and monitor patients. The rise of data in healthcare and its complexity means that AI will increasingly be applied within the field. AI in healthcare is emerging in several ways, such as finding new links between genetic code, powering robots that assist in surgery, automating administrative tasks, personalizing treatment options, and much more.

This Special Issue aims to publish articles in the interdisciplinary area of healthcare and AI. This includes AI research on disease prevention, early diagnosis, diagnosis, treatment, etc. The topics include but are not limited to:

- AI for personalized and predictive medicine;
- Natural language processing in healthcare;
- Computational genetics and genomics;
- Data science and big data analytics for healthcare;
- AI for public health and epidemiology;
- Computation drug discovery and cheminformatics;
- AI-based clinical decision making;
- Medical knowledge engineering;
- Machine learning and deep learning in healthcare;
- AI for medical imaging;
- The future of AI in healthcare.

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**Special** Issue

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## Message from the Editor-in-Chief

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