

Special Issue

From Data to Decisions: Deep Learning in Clinical Diagnostics

Message from the Guest Editor

The exponential growth in healthcare data, coupled with advances in deep learning architectures, has created unprecedented opportunities to revolutionize clinical diagnostics. From radiology and pathology to genomics and wearable devices, healthcare professionals now have access to vast, complex datasets that exceed human analytical capacity. Deep learning offers the computational power to transform this data deluge into precise, actionable diagnostic insights, potentially improving patient outcomes while reducing healthcare costs and diagnostic delays. This Special Issue will highlight innovative deep learning methodologies that bridge the critical gap between raw clinical data and evidence-based diagnostic decisions. We welcome submissions of research demonstrating how deep learning can enhance diagnostic workflows, improve accuracy across medical specialties, and facilitate personalized medicine approaches. Our focus will be on clinically validated solutions that show clear pathways to real-world implementation and measurable patient impacts.

Guest Editor

Dr. Jianfu Li

Department of Artificial Intelligence and Informatics, Mayo Clinic,
Jacksonville, FL 32224, USA

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Diagnostics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
diagnostics@mdpi.com

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Editor-in-Chief

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Department of Clinical Physiology, Nuclear Medicine & PET National
University Hospital, Rigshospitalet, University of Copenhagen,
Blegdamsvej 9, DK-2100 Copenhagen, Denmark

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