

## Special Issue

# Application of Neural Networks in Medical Diagnosis

### Message from the Guest Editor

Neural networks have recently transformed diagnostic medicine by enhancing disease detection and prediction accuracy, efficiency, and adaptability across multiple healthcare domains. This Special Issue of *Diagnostics* is dedicated to presenting the latest breakthroughs in neural network applications for medical diagnostics, focusing on their strengths in interpreting complex datasets and supporting clinical decision-making. Contributions are invited from researchers and professionals advancing neural network approaches—such as convolutional, recurrent, and deep architectures—to diagnose various conditions. Submissions that discuss algorithm innovations, clinical validation in real-world settings, and integration with conventional diagnostic methods are especially encouraged. The issue will emphasize studies that address the interpretability, reliability, and broad applicability of neural networks in clinical environments and those that consider the ethical and practical aspects of implementing these technologies. This compilation offers a thorough perspective on how neural networks reshape diagnostics, setting the stage for cutting-edge healthcare advancements.

### Guest Editor

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### Message from the Editor-in-Chief

You are cordially invited to submit research articles, short communications, comprehensive reviews, case reports or interesting images for consideration and publication in *Diagnostics* (ISSN 2075-4418). *Diagnostics* is published in open access format – research articles, reviews and other contents are released on the Internet immediately after acceptance. The scientific community and the general public have unlimited and free access to the content as soon as it is published. We would be pleased to welcome you as one of our authors.

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### Editor-in-Chief

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