

Special Issue

Translational Data Science in Precision Medicine and Healthcare

Message from the Guest Editor

The Special Issue of Healthcare titled “Translational Data Science in Precision Medicine and Healthcare” will focus on the integration of translational analytics, causal inference, machine learning, artificial intelligence, and clinical informatics to support precision diagnostics, therapeutics, and health delivery innovations.

Translational data science serves as a bridge between computational methods and clinical impact, leveraging real-world data to generate actionable insights in medicine. The field has witnessed rapid growth, particularly with the increasing availability of multi-omics, EHRs, wearable technologies, and population health datasets. There is an urgent need to explore how these approaches can improve population health, patient outcomes, enhance clinical workflows, and guide individualized treatment strategies.

This Special Issue aims to highlight cutting-edge methods, applied studies, and implementation frameworks that advance precision medicine through data-driven insights.

We welcome original research articles, reviews, and case studies that explore.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Healthcare is an international, peerreviewed, open access, multidisciplinary journal. Original research articles, short communications, review articles, and symposium highlights are welcomed.

Healthcare hopes to influence global health and disease aspects, and hopes to gain high visibility and acceptance by the scientific and healthcare community and will dedicate itself to covering special and specific topics in special issues.

We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Lorraine S. Evangelista

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