Special Issue

Non-communicable Diseases, Big Data and Artificial Intelligence

Message from the Guest Editors

The 2030 Agenda for Sustainable Development adopted by the United Nations in 2015 recognized non-communicable diseases (NCDs) as a major public health challenge. NCDs are usually multifactorial diseases influenced by both genetic and environmental factors, which makes them difficult to prevent and treat effectively. Medical and health big data consisting of lifestyle, clinical, and biological data provide an almost unlimited amount of information about diseases, far exceeding the human ability to make sense of it. Artificial intelligence (AI) offers the potential to analyze large and complex datasets in order to improve predicative, preventive, and personalized medicine (3P medicine). This Special Issue plans to give an overview of the most recent advances in the field of AI and their application potential in 3P medicine. Potential topics include, but are not limited to:

- Cutting edge advances in AI in terms of medical and health big data.
- Application of AI in risk stratifying of diseases.
- Risk factor screening using AI.
- Application of AI in diagnosis.
- Application of AI in prognosis.
- Evaluation of the therapeutic effects of using AI.

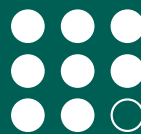## Guest Editors

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About the Journal

Message from the Editor-in-Chief

Journal of Personalized Medicine (*JPM*; ISSN 2075-4426) is an international, open access journal aimed at bringing all aspects of personalized medicine to one platform. *JPM* publishes cutting edge, innovative preclinical and translational scientific research and technologies related to personalized medicine (e.g., precision medicine, pharmacogenomics/proteomics, systems biology, 'omics association analysis). *JPM* is covered in Scopus, the Science Citation Index Expanded (SCIE), PubMed, PMC, Embase, and other databases.

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