



Role of Genetic Tools in Diagnosis and Personalized Treatment for Neurological Diseases

Guest Editor:

Dr. Federica Scalia

Department of Medicine and Surgery, “Kore” University of Enna, 94100 Enna, Italy

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Message from the Guest Editor

Due to the surge in age-related neurodegenerative diseases and the constant increase in the incidence of neurodevelopmental disorders, scientists' interest in understanding how genetic variations can influence the phenotype and susceptibility to certain pathologies is ever greater.

Genome-wide association studies have been of great help in identifying statistical associations between gene variants and disease phenotypes; however, it has contributed little to the understanding of complex pathologies. Therefore, the use of new and more performing genetic tools and tests, together with new tech multidisciplinary approaches, is necessary to improve the diagnosis processes, satisfy the urgent need for effective personalized treatments, evaluate the individual risk of developing a certain neurological disease and explore the aspects relating to pharmacogenomics.

This Special Issue will provide a platform for interested computational and experimental developers to disseminate their studies. It will also open discussions and new perspectives on recent advances in specialized areas of research.





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Editor-in-Chief

Prof. Dr. Kenneth P.H. Pritzker

Department of Laboratory
Medicine and Pathobiology,
Department of Surgery,
University of Toronto, 6 Queens
Pk Crescent W.F, Toronto, ON
M5S 3H2, Canada

Message from the Editor-in-Chief

Journal of Personalized Medicine is one of the few journals that covers the diverse areas involved in the field, including research at basic, translational, and clinical levels. It focuses on “omics”-level studies that seek to define the basis of interindividual variation in susceptibility for a disease, its prognosis or definition of clinical subsets, and response to therapy (pharmacogenomics). We are also interested in systems biology as it relates to interindividual variation, and research on new methodologies, informatics, and biostatistics, in the aforementioned areas.

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Journal of Personalized Medicine
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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