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Genetic Diversity - Recent Advances and Applications in Inherited Metabolic Diseases

Guest Editors:

Dr. Aleksandra Jezela-Stanek
Department of Genetics and Clinical Immunology, National Institute of Tuberculosis and Lung Diseases, 01-138 Warsaw, Poland

Dr. Karolina M. Stepien
Adult Inherited Metabolic Department, Salford Royal NHS Foundation Trust, Manchester M6 8HD, UK

Dr. Elzbieta Ciara
Department of Medical Genetics, The Children's Memorial Health Institute, 04-730 Warsaw, Poland

Deadline for manuscript submissions:
closed (10 January 2024)

Message from the Guest Editors

With advancements in DNA sequencing technology and massively parallel sequencing, genetic studies have allowed researchers to examine inborn errors of metabolism (IMDs) across the genome. This revolution has accelerated studies on human inherited diseases on an unprecedented scale.

Unfortunately, as the identification of underlying genetic defects has increased significantly in the last decade, the pathophysiology of most IMDs remains elusive, preventing effective treatment.

Finding specific causes for congenital genetic disorders gives hope for more effective early intervention and targeted therapies. In many cases it could also provide the only chance for reliable counselling for families about prognosis and recurrence risk.

We encourage submissions of unpublished, original manuscripts (research articles, reviews, case reports and letters) describing recent advances on all aspects of genetic causes of IMDs related, but not limited to, genetic variation and expression analyses, functional studies, and animal models. Clinical and molecular characteristics of new metabolic disorders, as well as therapeutic options, are also appreciated.

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Editor-in-Chief

Prof. Dr. Selvarangan Ponnazhagan
Department of Pathology, The University of Alabama at Birmingham, 1825 University Blvd, SHEL 814, Birmingham, AL 35294-2182, USA

Message from the Editor-in-Chief

Genes are central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fastmoving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised.

Why not consider *Genes* for your next genetics paper?

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Contact Us

Genes Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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𝕏@Genes_MDPI