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Genetic Research in Metabolic Diseases

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Deadline for manuscript submissions:
closed (10 March 2023)

Message from the Guest Editors

With more than 1,400 different genetic diseases affecting a variety of biochemical pathways, the field of metabolic diseases represents a dynamic and expanding field of genetic research. In recent years, the increased knowledge in genetics, has animated researchers and clinicians who are dealing with the complexity of inherited metabolic diseases (IMDs). In particular, the areas of lysosomal storage disorders (LSD), congenital disorders of glycosylation (CDG), and mitochondrial disorders have seen important advancements and discoveries. From newborn screening programs to gene therapy, these diseases offer a wide range of possibilities in genetic research, with the potential of an unprecedented impact on those affected. At the same time, the field is characterized by unique technical and ethical challenges.

This Special Issue on Genetic Research in Metabolic Diseases will provide an updated overview, novel insights, and critical perspectives in the pathophysiology, diagnosis, and treatment of inherited metabolic disorders such as LSD, CDG, and mitochondrial disorders. Contributions from experts in the field through research papers and reviews are welcome.

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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.

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