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Newborn Genetic Screening

Guest Editor:

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Deadline for manuscript submissions:
closed (25 March 2023)

Message from the Guest Editor

Dear Colleagues,

The critical role of genomic sequencing, including rapid exome or genome sequencing, is increasingly been recognized in diagnosing NICU patients with various genetic conditions. In contrast, the potential role of genomic sequencing in screening healthy newborns is currently being researched. One of the first randomized controlled trials (Babyseq) funded by the NIH showed evidence of benefits in a few cases, although a relatively high prevalence of reportable genetic variants, and variability in their penetrance, dampened enthusiasm. Overall, this calls for further studies and possibly large-scale trials to address the risks and benefits of this approach.

This Special Issue is dedicated to sharing experiences from institutions all over the world to learn more about this important topic. Contributions from the authors will highlight what physicians, families and society's views are towards newborn genetic screening, especially in countries where robust newborn screening programs do not exist. I look forward to receiving your contributions to relevant research papers and critical reviews to discuss this critical topic.

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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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