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Genetics Studies of Bone Disease

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Deadline for manuscript submissions:
closed (10 October 2022)

Message from the Guest Editor

Bone diseases represent a common source of morbidity and mortality in our communities, and genetic factors play an important role in their pathogenesis. One of the more common forms of bone disease is osteoporosis, which is characterized by reduced bone mineral density and an increased risk of fracture. Other rare bone diseases include osteopetrosis, multiple exostosis and ultra-rare skeletal dysplasias. Determining the underlying mechanisms of these rare conditions is crucial not only for the development of targeted therapies but also for a more comprehensive understanding about the genetic processes taking place in our body that direct development and tissue regeneration. From a clinical standpoint, advances in our understanding about the genetic basis of bone disease will enable the development of new biomarkers to assess fracture risk and help in identifing novel therapeutic targets that could have potential for future treatments.

This Special Issue invites papers focusing on genetic disorders of the bone and extracellular matrix in a broad sense. It aims to highlight bone as an essential tissue and to provide new and detailed findings on its role in health and disease.

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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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