

Special Issue

Genetics Studies of Bone Disease

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 identifying 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.

Guest Editor

Dr. Peter Kannu

Department of Medical Genetics, University of Alberta, 8-39 Medical Sciences Building, Edmonton, AB T6G 2H7, Canada

Deadline for manuscript submissions

closed (10 October 2022)

G C A T
T A C G
G C A T

Genes

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.2
Indexed in PubMed



mdpi.com/si/116605

Genes

MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
genes@mdpi.com

[mdpi.com/journal/
genes](https://mdpi.com/journal/genes)



G C A T
T A C G
G C A T

Genes

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.2
Indexed in PubMed



[mdpi.com/journal/
genes](https://mdpi.com/journal/genes)



About the Journal

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?

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

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Embase, PubAg, and other databases.

Journal Rank:

JCR - Q2 (Genetics and Heredity) / CiteScore - Q2 (Genetics (clinical))