



genes



an Open Access Journal by MDPI

Genetics and Epigenetics of Musculoskeletal Pathologies

Guest Editor:

Dr. Stuart Raleigh

Cardiovascular and Lifestyle
Medicine Research Group, CSELS,
Coventry University, Coventry
CV1 5FB, UK

Deadline for manuscript
submissions:

closed (10 August 2023)

Message from the Guest Editor

This Special Issue will explore our current understanding of the genetics and epigenetics of musculoskeletal pathologies. We are interested exclusively in studies conducted in human cohorts and/or in studies where human tissue has been used.

The field of musculoskeletal genetics continues to grow and many gene variants have been associated with distinct phenotypes. However, we still do not understand how these associated variants cause or contribute to pathology. It is likely that individual risk alleles interact with each other and/or the environment to predispose to musculoskeletal pathologies, but a detailed understanding of this mechanism has yet to be elucidated. Furthermore, it is also likely that epigenetic factors (such as DNA methylation, miRNA expression levels and histone modification) contribute significantly to these problems; however, to date, very few studies have focused on this.

Therefore, we invite researchers working within the field to contribute to this Special Issue and look forward to advancing our understanding of how genetic variability, epigenetic factors, and the interaction of both predispose to these disabling problems.



mdpi.com/si/127094

Special Issue



genes



an Open Access Journal by MDPI

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?

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)*)

Contact Us

Genes Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/genes
genes@mdpi.com
[X@Genes_MDPI](#)