

Special Issue

Genetics and Genomics of Melanoma

Message from the Guest Editor

Melanoma is a malignant cancer that originates from the pigment cells (melanocytes) of the skin, accounting for the majority of skin-cancer-related deaths. The field of melanoma genetics and genomics has been advancing at a rapid pace, offering a wealth of possibilities for translational applications. Cutting-edge genomic techniques allow researchers to elucidate copy number variations, chromosome structural alterations, gene expression aberration, epigenetic changes and immunogenomics that underpin melanoma genesis, progression and response to therapy. In this Special Issue, manuscripts focusing on state-of-the-art approaches in basic, translational and clinical research on melanoma will be featured. These approaches include but are not limited to novel single-cell or single-nuclei sequencing, new bioinformatics and statistical methods, mass cytometry, multiplexed immunofluorescence, tumour xenografts and organoid. This Special Issue showcases the recent discovery of melanoma development and potential biomarkers or therapeutic targets at the genetic and genomic level.

Guest Editor

Dr. Camelia Quek

Faculty of Medicine and Health, The University of Sydney, Sydney, NSW 2006, Australia

Deadline for manuscript submissions

closed (15 August 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 5.5
Indexed in PubMed



mdpi.com/si/61585

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

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 5.5
Indexed in PubMed



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



About the Journal

Message from the Editor-in-Chief

Genes is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving 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))