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## Genetics and Genomics of Melanoma

Guest Editor:

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Deadline for manuscript  
submissions:

**closed (15 August 2022)**

### **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.



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# Special Issue



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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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