

Special Issue

Genetic Mechanisms of Obesity

Message from the Guest Editor

Obesity is a complex, multifactorial condition and a major global public health concern, contributing to an increased risk of type 2 diabetes, cardiovascular disease, certain cancers, sleep apnea, and a range of social and psychological complications. While behavioral, environmental, and metabolic factors play important roles, genetic influences are estimated to account for 40–70% of obesity susceptibility. Recent advances in genomic technologies, including genome-wide association studies (GWAS), whole-genome and exome sequencing, epigenomic profiling, transcriptomics, and other multi-omics approaches, have revealed a wide array of genetic mechanisms underlying obesity. This Special Issue, entitled “Genetic Mechanisms of Obesity”, seeks to showcase cutting-edge research that advances our understanding of how genetic and epigenetic factors drive obesity risk and pathophysiology. We welcome original research articles, reviews, and meta-analyses focusing on molecular pathways, functional genomics, gene regulation, systems biology, and translational studies that link genetic mechanisms to prevention, diagnosis, and treatment

Guest Editor

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Deadline for manuscript submissions

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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

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