

Special Issue

Genetic Research in Paediatric Subjects with Body Fat Excess

Message from the Guest Editor

Personalised and precision nutrition, guided by gene regulation, is a useful tool to improve both the prevention and treatment of obesity. Mass spectrometry, next generation sequencing and microarray technologies facilitate the study of the massive genome, gene expression, transcriptomics, proteomics and metabolomics, and may clarify both the physiological and pathological mechanisms of interaction between food, genes and body composition. The expansion of nutritional interventions guided by genetics and nutritional gene-modulated biomarkers may help to prevent and treat obesity early on and decrease the associated complications, thus improving paediatric quality of life, and especially decreasing cardiovascular, renal and metabolic diseases in adulthood.

This Special Issue invites research articles, reviews and short communications including but not limited to diet and gene regulation; the genetics and physiopathology of disorders related to obesity, such as growth and puberty disorders; asthma; metabolic syndrome and type 2 diabetes; genetic alterations of appetite regulation and microbiota interactions; among other suggested topics.

Guest Editor

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Deadline for manuscript submissions

closed (25 May 2021)

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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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