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Lipid Metabolism, Adipogenesis and Fat Tissue Metabolism: Gene Regulation

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Deadline for manuscript submissions:

closed (15 June 2022)

Message from the Guest Editors

We would like to kindly invite you to participate in this Special Issue: Lipid Metabolism, Adipogenesis, and Fat Tissue Metabolism: Gene Regulation in the MDPI journal Genes.

Lipid metabolism plays a pivotal role in maintaining energy homeostasis in health and disease. Impaired lipid metabolism is a hallmark of numerous metabolic diseases, such as obesity, metabolic syndrome, or type 2 diabetes mellitus. White adipocytes serve as energy storage but also produce and release metabolic and hormonal signals contributing to modulation of energy homeostasis and whole-body metabolism. In this Special Issue, we are inviting original works and review articles dedicated to improving the knowledge related to molecular mechanisms regulating lipid metabolism, adipogenesis, and mature fat cell functions. Especially, we are interested in contributions related to gene-regulated mechanisms responsible for lipid metabolism regulation, fat tissue formation, and the functions of white, brown, and bridge adipocytes. We will consider for evaluation all manuscripts related to the transcriptional and epigenetic regulation of lipid metabolism and fat tissue biology.



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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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