

## Special Issue

# New Research on Brown and White Adipose Tissue

### Message from the Guest Editor

White adipose tissue plays a central role in modulating whole-body energy metabolism, maintaining homeostasis, and influencing various physiological processes, such as appetite regulation and the body's response to inflammation. Conversely, brown adipose tissue stands out for its unique role in thermogenesis and energy expenditure regulation. Hence, this Special Issue aims to compile a selection of reviews and research articles that delve into the mechanisms governing the differentiation of both white and brown adipocytes. Furthermore, we seek to explore the production and functions of adipokines in both white and brown adipose tissue, with a specific focus on identifying their major contributions to obesity and lipid metabolism-related diseases. We also encourage investigations that provide fresh insights into the fundamental aspects of hormonal control over the metabolism of both white and brown adipose tissue, as these revelations have broad implications for understanding various physiological and pathological conditions.

### Guest Editor

Prof. Dr. Helen Irving

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closed (30 November 2024)



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### Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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### Editor-in-Chief

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