

Special Issue

Molecular Regulation of Exercise on Adipose Tissue and Related Diseases

Message from the Guest Editor

Excess expansion of visceral adipose tissue, accompanied by lower vascularity, increased lipid content of adipocytes, dysregulated adipokines, and dysfunction of adipogenesis, causes the development of metabolic syndrome with adipose tissue hypoxia and inflammation. Habitual exercise is known to reduce fat mass and ameliorate several inflammation-related events. Growing evidence suggests that habitual exercise results in the beiging of subcutaneous adipose tissue in rodents and affects the differentiation potency of adipose tissue-derived stem cells. Nonetheless, the molecular mechanisms underlying habitual exercise-induced healthy adipose tissue remain unclear. This Special Issue, "Molecular Regulation of Exercise on Adipose Tissue and Related Diseases", welcomes both original papers and review articles addressing updates on molecular and cellular targets of exercise to improve dysfunction of adipose tissue, which comprises various cell types. New insights into the mechanisms by which exercise can manage diseases linked to obesity are particularly welcome.

Guest Editor

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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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