



## Role of Adipose Tissue in Pathogenesis of Cardiovascular and Metabolic Diseases

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### Message from the Guest Editor

Dear Colleagues,

The adipose tissue has recently been recognized as a significant regulator of cardiovascular health and one of critical factors interrelating cardiovascular and obesity-related disorders. PVAT shows tremendous endocrine activity and can exert significant influence on the inner layers of the vascular wall. Additionally, PVAT is a highly heterogeneous tissue that has a potential toward a phenotype change, and hence, various PVAT depots respond differently in the progression of pathologies, showing that different phenotypes give rise to different cardiometabolic consequences. Therefore, this Special Issue aims at summarizing recent findings on the adipose tissue with an emphasis on PVAT to broaden our understanding of its role and impact in onset and progression of vascular pathologies. Topics include but are not limited to:

- New techniques to study the adipose tissue with an emphasis on vibrational imaging and spectroscopy;
- Heterogeneity of the adipose tissue and its depot-dependent response in pathology development;
- Perivascular adipose tissue-endothelium cross-talk;
- Therapeutic strategies targeting the adipose tissue.





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