New insights into how adipocytes sense their triglyceride stores. Is cholesterol a signal?

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Résumé en anglais
In recent years, our view of adipose tissue has evolved from a passive sink for energy storage to an active tissue producing multiple molecules acting on various tissues in different aspects of energy homeostasis. The production of adipose-derived secretory products is tightly regulated as a function of adipocyte lipid accumulation, but the mechanisms by which fat cells are able to sense the levels of their triglyceride stores still remains largely unknown. This paper reviews new insights into this question taking cholesterol as a potential intracellular signaling molecule.

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