

Project #5

Title: Investigation of the role of LncRNAs in steatosis improvement induced by GLP1R agonists

Description: In a recent study (1), we have used RNA sequencing to investigate the involvement of long-non-coding RNAs in steatosis improvement induced by the glucagon-like peptide-1 receptor agonist Exendin-4 in the hepatocarcinoma HepG2 cell line. We found that several known and novel LncRNAs are associated with the beneficial effect of Exendin-4 on steatosis in HepG2. The objective of the present study is to validate the role of a few LncRNAs in Ex-4-induced steatosis improvement using different molecular and cellular techniques.

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