Figure 1

A. Scatter plot showing the relationship between BMI and subcutaneous DPP4 expression, with a correlation coefficient of r=0.33, p<0.001.

B. Scatter plot showing the relationship between BMI and visceral DPP4 expression, with a correlation coefficient of r=0.54, p<0.001.

C. Bar graph comparing the relative DPP4 expression in lean, overweight (ow), and obese individuals, with * indicating significant differences.

D. Bar graph showing the relative DPP4 expression in lean individuals with and without a genetic mutation (igt).

E. Bar graph showing the relative DPP4 expression in overweight/obese individuals with and without a genetic mutation (igt).
**Figure 2**

**A**

DPP4 release (ng/ml) for lean and obese individuals, comparing subcutaneous and visceral fat.

**B**

DPP4 release (ng/ml) for lean, NDiab, and Diab obese individuals, highlighting visceral fat.

**C**

Graph showing the net release of DPP4 (ng/100g.min⁻¹) in relation to arterial DPP4 (ng/ml), with a linear regression line and correlation coefficient p=0.003, r=0.54.

**D**

Box plot comparing net release of DPP4 for lean and obese individuals.

**E**

Box plot comparing net release of DPP4 for male and female individuals.
Figure 3

A. Relative DPP4 expression levels in subcutaneous and visceral fat.

B. Serum DPP4 levels in insulin-sensitive (IS) vs. insulin-resistant (IR) individuals.

C. Visceral fat area in relation to DPP4 levels.

D. Mean adipocyte size in relation to DPP4 levels.

E. Percentage of macrophages in visceral adipose tissue in relation to DPP4 levels.

F. Glucose infusion rate in relation to DPP4 levels.

G. Fasting plasma insulin levels in relation to DPP4 levels.

H. % HbA1c levels in relation to DPP4 levels.

Statistical significance:
- p<0.01, r=0.30
- p=0.015, r=0.31
- p=0.020, r=0.30
- p=0.012, r=0.32
- p=0.018, r=-0.30
- p=0.018, r=0.30
- p=0.014, r=0.32
- Spearman ρ=0.4, p<0.0016