

#### Project #4

**Title:** Investigation of the relationship between salivary  $\alpha$ -amylase activity and cardiometabolic risk factors, cardiovascular and low-grade inflammation markers in a high-risk cohort of overweight/obese Qatari individuals: a cross-sectional study

**Description:** The objective of this study is to examine the relationship between saliva and plasma sAA activity and cardiometabolic risk factors using a gold-standard measure of adiposity (iDXA, bioimpedance) and other demographic, anthropometric and clinical data from adult participants of the Qatar Biobank cohort. We will also investigate the association of sAA activity with cardiovascular parameters and markers of chronic low-grade inflammation. The ultimate goal of the study is to investigate the potential use of sAA activity for risk prediction and the target prevention of disorders related to obesity and inflammation such as CVD

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