

REIMS: ENABLING FAST METABOLOMICS AND LIPIDOMICS WITHOUT SAMPLE PREPARATION

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Work @ LCA

Optimize REIMS parameters on fresh fecal samples from healthy volunteers using optimal DOE

Patient recruitment at UZ Ghent and UZ Antwerp

Apply REIMS with optimized parameters on fecal samples of healthy individuals and CRC patients (n = 100)

Construct multivariate models to fast and accurately **discriminate** between healthy individuals and CRC patients and between CRC stages

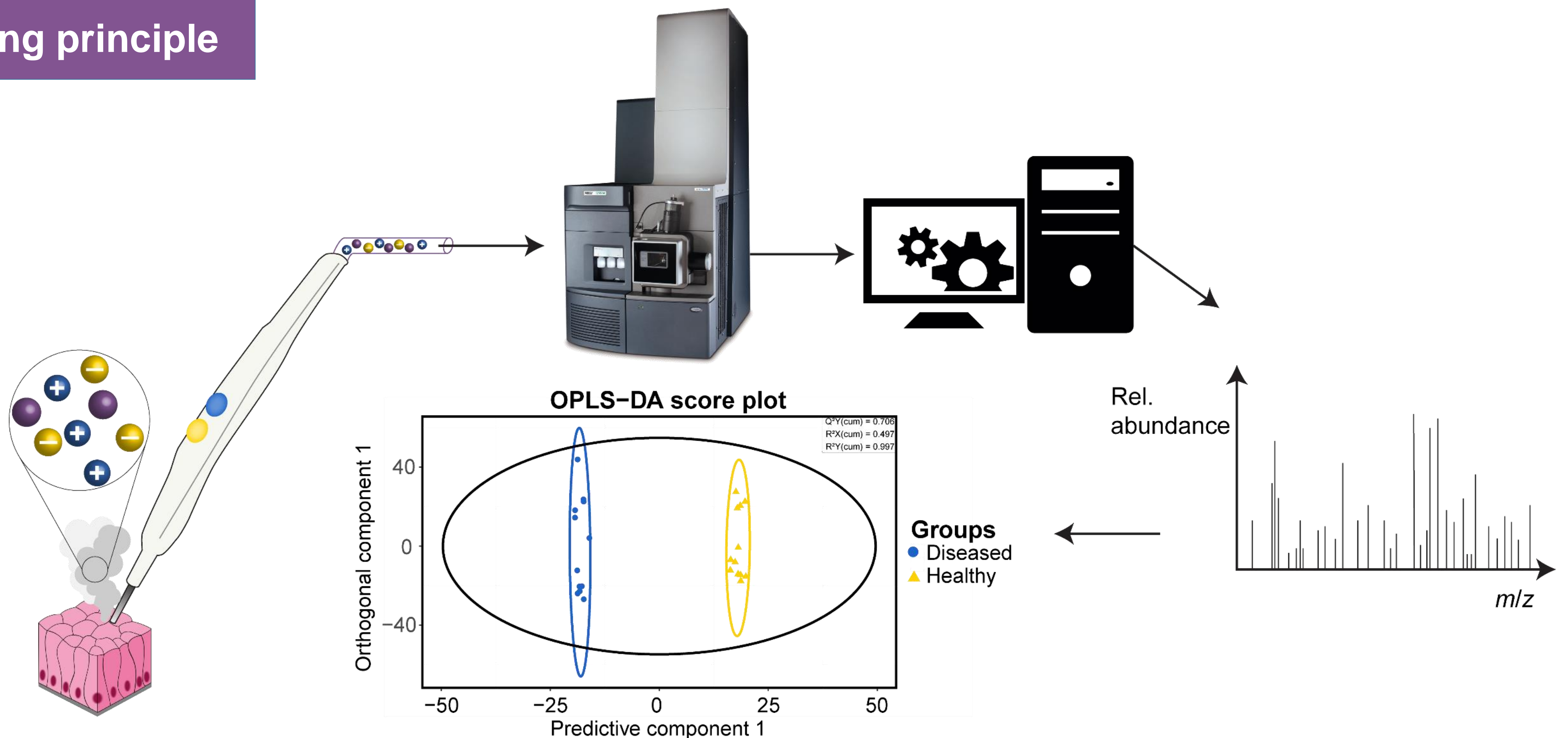
Validate in clinical setting to test applicability as **alternative CRC screening method**

Explore potential for **other diseases** e.g. IBD, food allergies,...

Elucidate **CRC pathways**

CRC **treatment follow-up**

Working principle



Established applications

