

# headandneck 5000

## Metabolizing enzymes and tobacco-related cancer risk: Replication of results

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### Scientific Outline

#### Summary:

This study aims to replicate findings in a similar Head and Neck cancer study and in Lung Cancer studies that demonstrate that genetic variation in certain smoking-related metabolic pathways may predispose individuals to develop cancer. Smoking is one of the major risk factors for HNC and so identifying those at increased risk may provide a way to tailor focused cessation advice. The HN5000 genetic data has been made freely available to genuine scientific researchers and this will be linked with a minimal set of HN5000 data so the INHANCE consortium can conduct their analyses.

#### Key words:

Tobacco metabolism, genetic variation, Head and Neck Cancer, Association.