

# Development of a non-invasive and fast screening method for tuberculosis in exhaled breath



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## SUMMARY

Tuberculosis (TB), the leading cause of infectious disease-related deaths worldwide, is spread via aerosols. Missed or delayed diagnosis are a major barrier to achieving WHO TB eradication goals.

The development of rapid diagnostic and screening techniques is crucial.

The team aims to develop a rapid, sensitive, low-cost, and easy-to-use point-of care diagnostic for TB detection in breath.

## PROJECT GOALS

- Proof-of-Concept for the development of a highly sensitive, non-invasive and low-cost diagnostic test for tuberculosis in exhaled breath.

## LONG-TERM GOALS

- Clinical validation in different cohorts and settings
- To establish a platform technology for detection of a variety of disease-causing agents that can be measured in exhaled breath