

# LUCIA

Lung Cancer-related risk factors and their Impact Assessment

HORIZON-MISS-2021-CANCER-02

## LUCIA Workshop – Understanding Lung Cancer

San Sebastian, Sept. 5<sup>th</sup>, 2023

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NaNose Medical LTD



**NANOSE**  
MEDICAL



Disease screening, early detection & monitoring  
made as easy as breathing

***NaNose Medical Ltd***



NANOSE  
MEDICAL

## Limitations of Current Tools for Early Disease Detection



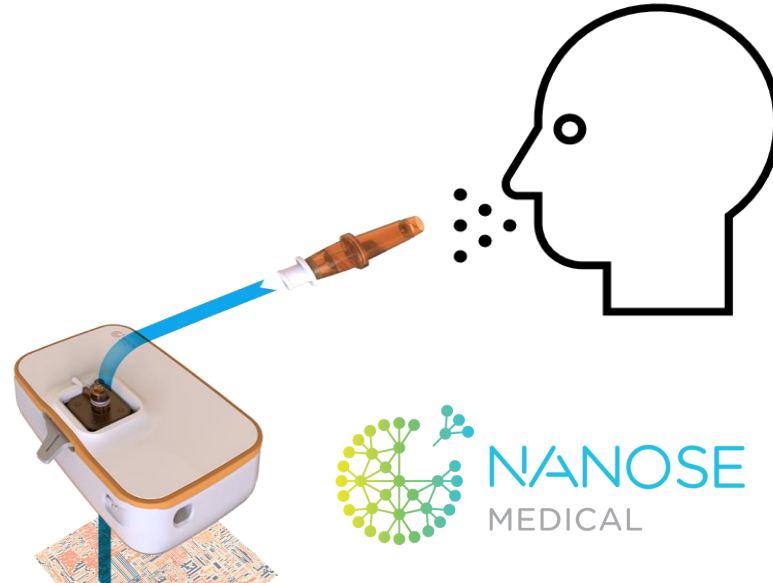
- Invasive and unpleasant to patients
- Associated with high risks
- Expensive
- Require specialists and lengthy processes to operate
- Not suitable for routine disease screening, POC workflow, or home use



Breath is a rich sampling matrix that offers non-invasive solutions suitable for early-stage detection and disease monitoring

## NaNose's Solution

**PATENTED  
REAL-TIME  
NON-INVASIVE  
SIMPLE TO USE  
COST-EFFECTIVE  
DIAGNOSIS**



# Introducing DiaNose

Diagnostic platform leveraging AI & proprietary sensor arrays

## Smart chemiresistor sensor array

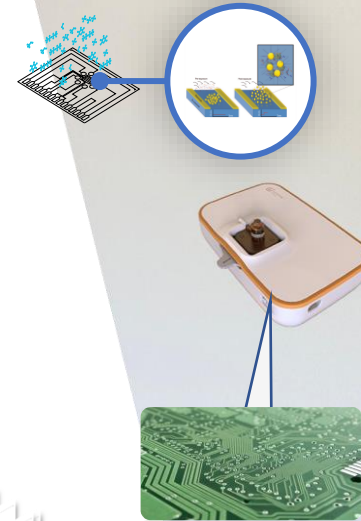
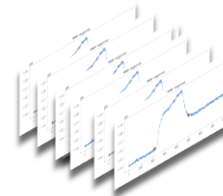
Consists of sensors responds to VOCs signature with pattern of resistance changes

**Bio-inspired nano-sensor array**

## Innovative high-resolution sensors' measurement system

## Strong Classification Algorithm

Detects signal patterns specific for smell / Disease



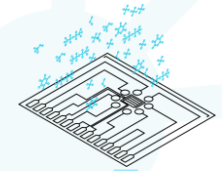
# DiaNose Patented Technology - How it Works

**1** Patient Breath is collected

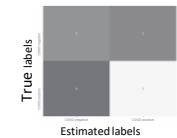
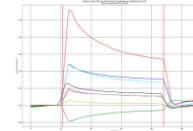


**2** Tube is connected to DiaNose device

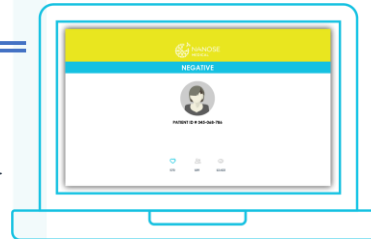
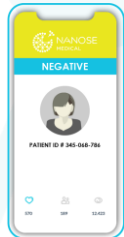
**3** Breath sample is exposed to bio-inspired sensor array



**4** Sensor data is processed utilizing AI



**5** Diagnosis transmitted to dedicated connected mobile app or computer





**Effective, preventive healthcare**

**relies on making**

***groundbreaking, accurate, simple to use & affordable***

***detection technologies***

**available**



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# Thank You

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