

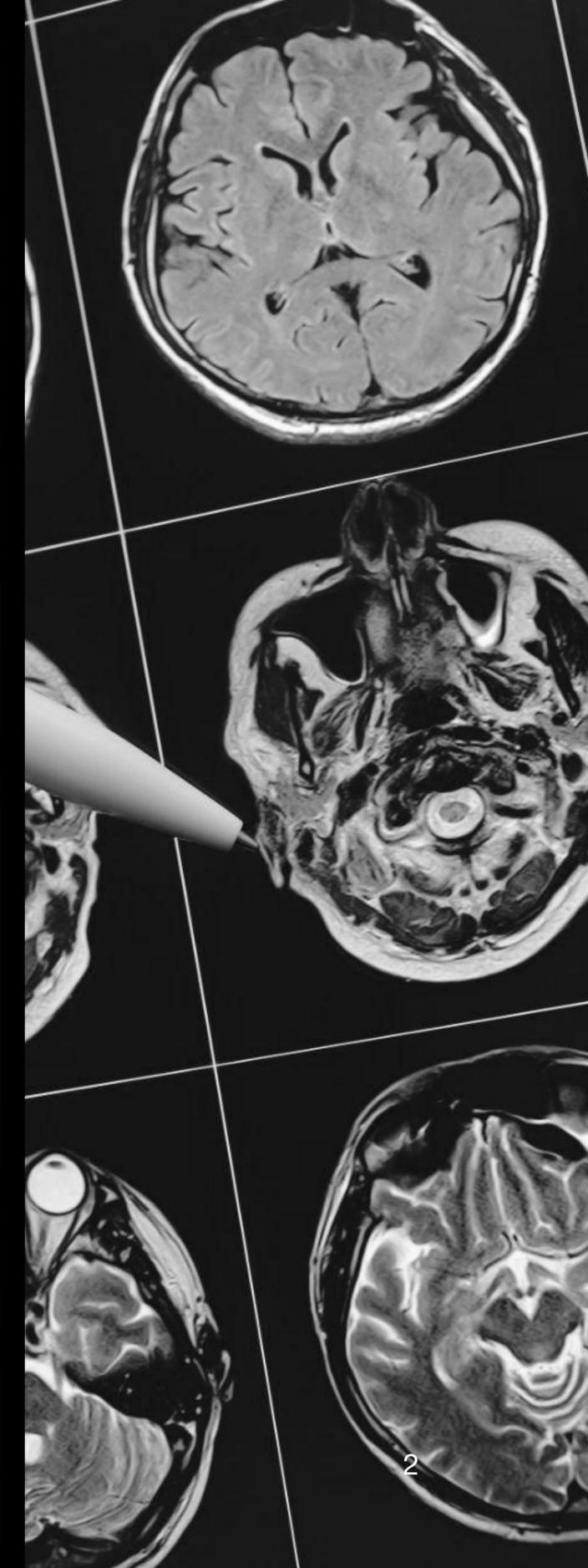
# Non-invasive disease diagnostics with microscale nuclear magnetic resonance (NMR)

## Introduction

Rodolfo Rohr, CEO, Larmorbio

NMR is the gold standard for analysis and imaging for medical conditions—from cardiovascular disease to cancer

- Observes the **microenvironment and internal structure** — atomic-level resolution
- **Does not interfere with the sample** and measurement
- Requires little to **no sample preparation**
- Samples can be **re-utilized**



A photograph of an MRI machine in a clinical setting, with a patient lying on the table inside the gantry. The image is overlaid with a semi-transparent red banner containing text.

## But NMR machines are large, complex and costly to maintain

1. Require expensive cryogen cooling systems for magnets
2. Need dedicated infrastructure and space inside the medical facility or hospital
3. Only highly trained personnel can interpret results
4. Serving other points of care (smaller clinics, labs) is not possible

# We're making NMR accessible and affordable for accelerated diagnostics and detection at scale



Portable disease specific diagnostics in multiple care settings



Does not require highly specialized technicians to use



(label-free) micro-sized biopsies  
“live cells” as is



Potential for use in remote locations  
results in real-time to a secure cloud

# How the Larmorbio DX platform works

1. Micro-sized biopsies (various types of cells)
2. Sample added to microscale NMR at the point-of-care
3. T1 and T2 weighted *imaging* on board
4. Results in real time on site



$\mu$ BIOPSY



SAMPLE IN  $\mu$ NMR



ACITIONABLE  
RESULTS

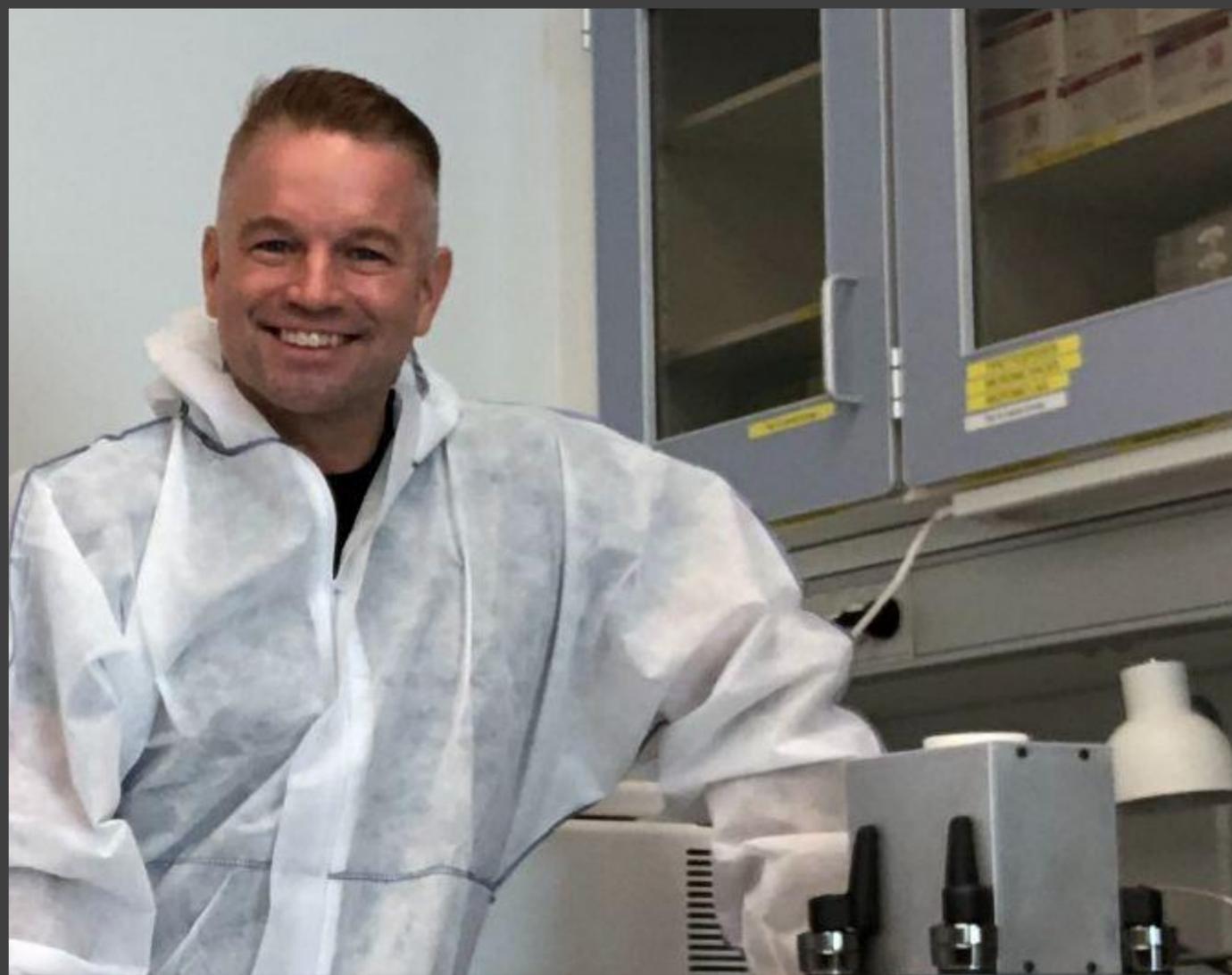
# Multiple clinical and life science applications

In partnership with MIT, other leading research institutions, global biopharma and device companies, we expect to bring to market first-and-best-in-class point of care diagnostics

## Clinical DX Pipeline

- Cardio metabolic - clinical
- Infectious disease - clinical
- Rare blood disorders - clinical
- Cell based therapies - discovery
- Undisclosed - discovery
- Undisclosed - discovery
- Undisclosed - discovery





# LARMORBIO

## Thank You

For BD opportunities, contact me:

**Rodolfo Rohr, CEO, Lamorbio**

**[rodolfo@larmorbio.com](mailto:rodolfo@larmorbio.com)**