

# GenTraceDx

A Continuously Updating Clinical Intelligence Platform for Precision Oncology

## OVERVIEW

GenTraceDx is a next-generation precision oncology platform that combines tumour-normal whole exome sequencing, transcriptome analysis, and continuously updating clinical intelligence.

Traditional genomic testing produces a single, static report that does not evolve as new therapies, biomarkers, and clinical evidence emerge. As a result, many patients receive limited actionable insights at the time of testing.

GenTraceDx addresses this gap by transforming cancer diagnostics into a continuously updating clinical resource, enabling patient-specific insights to evolve over time.

## THE PLATFORM

GenTraceDx integrates:

- **Tumour-normal whole exome sequencing (WES)**
- **Whole-transcriptome RNA analysis**
- **AI-driven longitudinal interpretation**

The platform continuously incorporates emerging clinical evidence, including:

- New therapies and drug approvals
- Clinical trials
- Biomarker discoveries
- Scientific literature

This enables physicians and patients to receive updated insights as new opportunities become relevant.

## KEY DIFFERENTIATORS

- **Multomic depth**  
Comprehensive molecular profiling beyond fixed gene panels
- **Continuous clinical updates**  
Longitudinal interpretation that evolves with emerging evidence
- **Real-world clinical deployment**  
Designed for integration into oncology workflows
- **Scalable infrastructure**  
Built for national and international deployment

## DEVELOPMENT & COLLABORATION

GenTraceDx is being developed in collaboration with:

- **Genetrack Biolabs**  
a 30-year leader in regulated diagnostics, medical device manufacturing, and large-scale clinical testing infrastructure
- **Michael Smith Genome Sciences Centre (GSC)**  
a globally recognized leader in cancer genomics and clinical sequencing

The project is supported through national genomics funding initiatives, including the Genomic Applications Partnership Program (GAPP).

## NATIONAL PILOT

A 500-patient national pilot is planned across Canada to evaluate:

- Clinical utility
- Physician adoption
- System performance in real-world settings

This pilot will support integration into oncology workflows and broader clinical deployment.

## VISION

GenTraceDx is designed to establish a new model for precision oncology, one in which clinical insights are continuously updated, ensuring patients and physicians remain connected to the most current treatment opportunities throughout the cancer journey.

## Contact

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