



# European User Group Meeting

## OncoDEEP<sup>®</sup> Kit



**OncoDNA**<sup>®</sup>  
THE CANCER THERANOSTIC COMPANY

**European User Group Meeting**  
**OncoDEEP<sup>®</sup> Kit**

21<sup>st</sup> - 22<sup>nd</sup> October 2024

**Optimising your laboratory workflows  
and supporting the workforce in the  
transition to the OncoDEEP kit**

Jean-Francois Vanbellinghen

# About me...

- University of Liège – Master in Biology – Ecology – Ethology - 1997
- University of Liège – Master in Biotechnology – 1999 (Molecular Tools used for Genetic Diagnostic)
- University hospital of Liège – Human Genetics - PhD - 2002
- University hospital of Liège – Human Genetics Diagnostic Lab & Molecular Platform – 2010
- IPG Gosselies – Human Genetics Lab - 2014
- Cliniques Universitaires Saint-Luc - Brussels – Human Genetics and Molecular Platform – 2016
- SOPHiA GENETICS – SME & FAS – 2022
- → OncoDNA

# Challenges remain when implementing NGS workflows...

- Sample collection and extraction
  - Tissue harvesting and storage
    - Quality of samples, % tumoral cells, extraction method, pathology lab → molecular lab
- Environment
  - Equipment
  - Sequencer – central core?
  - Old and new buildings
  - Specific zone / Organisation / Ergonomics
- Workforce
  - Availability
  - Experience

# Challenges remain when optimising NGS workflows...

Data management / IT resources

Quality

SOP

Setting thresholds

Validation (NGS → a lot of parameters..)

Accreditation

ISO norm

Reporting

Local – Integration

# You need a plan!

Understand the 'baseline' position

Consider the costs and control

Design your training plan

Aim for increased efficiency

Set up project lead/team

Set out the timeline

Plan for a 'soft launch'

Communicate across the oncology pathway

Communicate your vision

Evaluate your validation data

Look at the quality of the data

Uncover projects to evaluate patient outcomes

Be clear on your validation approach

Mitigate risks

Communicate your progress and next steps

Continuously seek to improve

*The transaction of just 'buying' an OncoDEEP kit will not solely optimise NGS workflows*

# Sample plan

## Workstreams (Customer Sample)

**Workstream 1 - Project Management/Communication and Governance**

**Workstream 2 - Legal, Quality , Data and Regulatory**

**Workstream 3 – Validation methodology and Evaluation**

**Workstream 4 - Using OncoDEEP kits in Routine (Manual)**

**Workstream 5 - Workforce Training and Personal Development in use of the OncoDEEP kits**

# Sample plan

**Workstream 6 - Using OncoDEEP kits in Routine (Automated or Semi-Automated)**

**Workstream 7 – Laboratory technologies (Bio-informatics and System Integration)**

**Workstream 8 - Clinical Engagement and Patient Benefits/Outcomes**

**Workstream 9 – Publication and Building the evidence for Precision Oncology**

**Workstream 10 – Lessons learnt and Continuous Improvement**