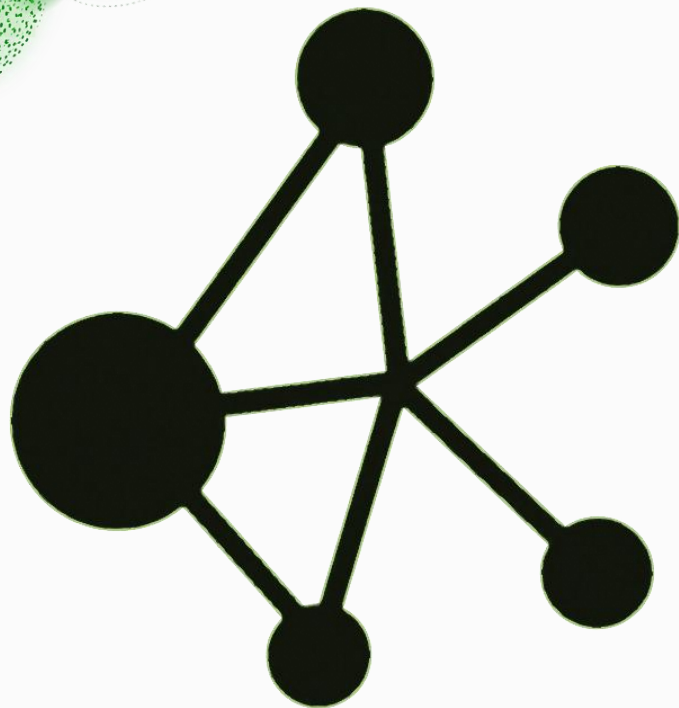




Accelerating Drug Development Through Precision Biomarker Testing

Who We Are

A specialized CRO providing bioanalytical services for drug development



Local subsidiary Office
in Cambridge USA



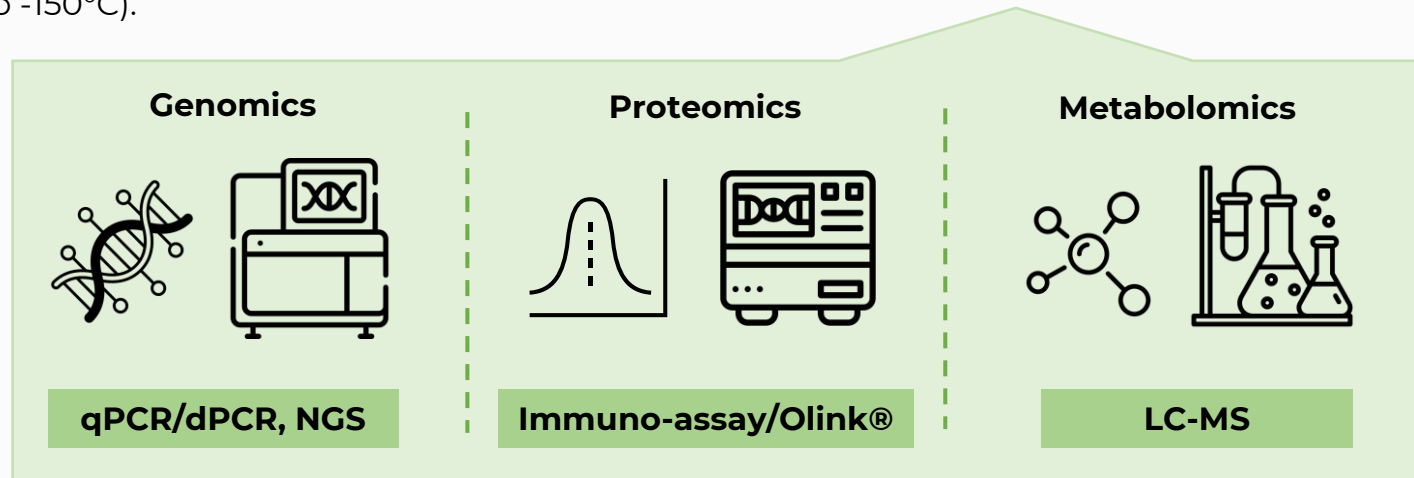
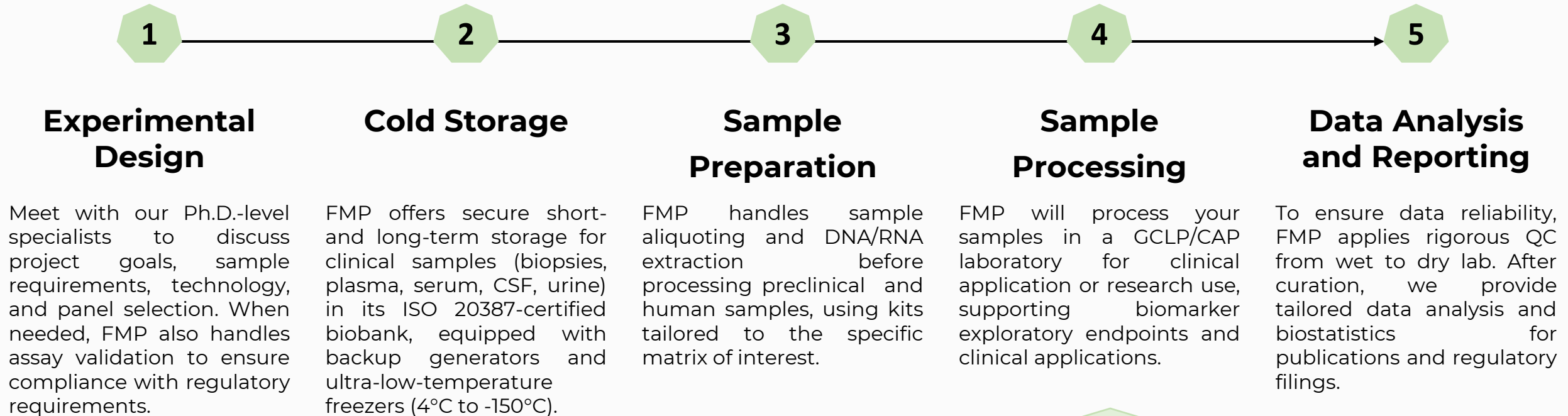
FMP labs are located in the heart of the BioValley, on the triple border of France, Germany and Switzerland, just a few minutes from Basel, the pharmaceutical capital of Europe.

Introduction on Our Solutions

From Strategy to Operations

End-to-End Biomarker Support

From study design to data reporting





Sample Management

High-Fidelity Biobank Facility

Sample Management

Secure storage of your samples in our ISO20387 biobank facility



Storage Capabilities

- Over **2 million samples** stored
- Flexible **short- and long-term storage** options
- Available temperatures: **+4°C, -20°C, -80°C, -150°C**
- Sample types: **FFPE, Fresh Frozen, PBMC, Cell Lines, Fluids** (Plasma, Serum, CSF, Urine)

Sample Sourcing

Sourcing of samples for assay validation and pilot studies from **public and private networks** and **proprietary biobank**.

DNA/RNA Extraction

Extraction of DNA/RNA from **400 samples per week**.

Quality and Security

- **ISO 20387-certified** biobank
- Secure system with **backup freezers and generators**
- **24/7 monitoring** of temperature and humidity
- **Fast turnaround** for sample reception and shipment

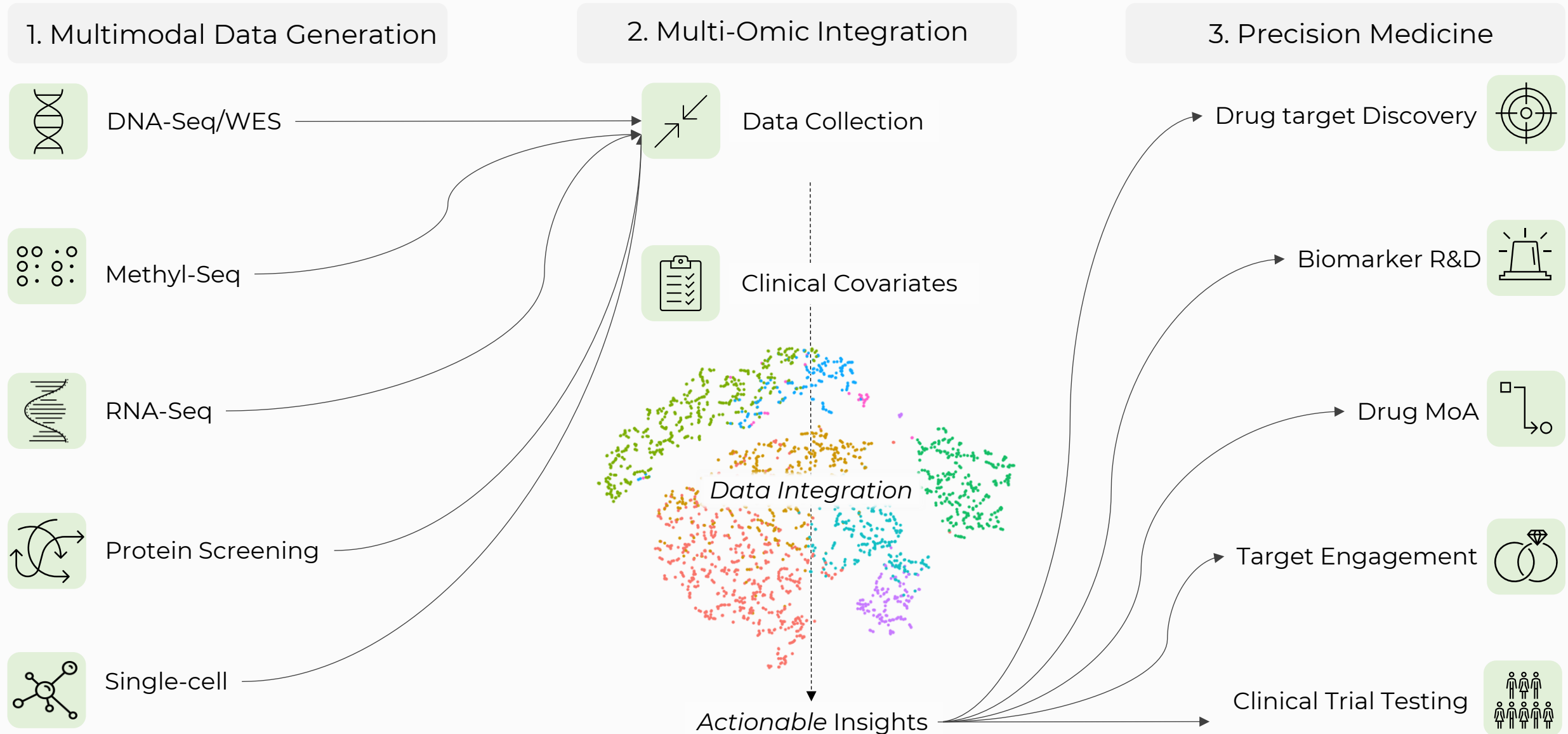


Clinical Sample Testing

Comprehensive Multi-Omic Platform

Translational Multi-Omic Platform

Design your biomarker strategy and scale your operations with FMP.





Genomics Capabilities

Comprehensive Multi-Omic Platform

Comprehensive qPCR Platform

Explore gene expression, SNP, CNV with a wide range of PCR solutions

Main Characteristics

- Multiplex up to 5 genes
- Quantitative Approach
- Cost-Effective Analysis
- Rapid Time-to-Results

Applications

- Gene expression analysis
- Copy Number Variation (CNV)
- Pathogen quantification
- Ct DNA quantification

Analytical Results

- Qualitative (Genotyping, SNP)
- Quantitative (Gene expression, CNV)
- Custom Analysis

Explore gene expression, SNP, CNV with a wide range of PCR solutions



Biomark HD - X9

Microfluidic technology
High-Throughput qPCR
192 samples per run



AbsoluteQ dPCR

dPCR – 16 chambers
24,000 reactions
per chambers



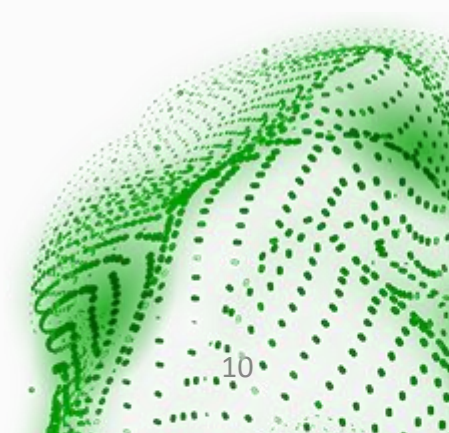
CFX Opus IVD

IVD Testing
Multiplexing 6 genes
96 samples per run



CFX96

High Performance
Multiplexing 5 genes
96 samples per run



Genomics Capabilities

Technology Applications

Genomics

- Single Nucleotide Polymorphism (SNP)
- Copy Number Variants (CNV)
- Structural Variants
- Circulating Tumor DNA (ctDNA)

Epigenomics

- Methylation Sequencing 5mC / 5hmC
- Bulk ATAC-Seq
- Single-Cell ATAC-Seq

Transcriptomics

- Bulk RNA-Seq / small RNA-Seq
- Single-Cell RNA-Seq
- Whole Exome Sequencing
- Targeted Sequencing (mRNA, ncRNA)

illumina®

NovaSeq X Plus

Scale your studies with the most accurate and performant sequencer on the market with 1.6 billion to 52 billion reads per run. Then, the DRAGEN Bio-IT Platform, available onboard or in the cloud, provides award-winning accuracy for rapid, easy-to-use, and efficient genomic data analysis.



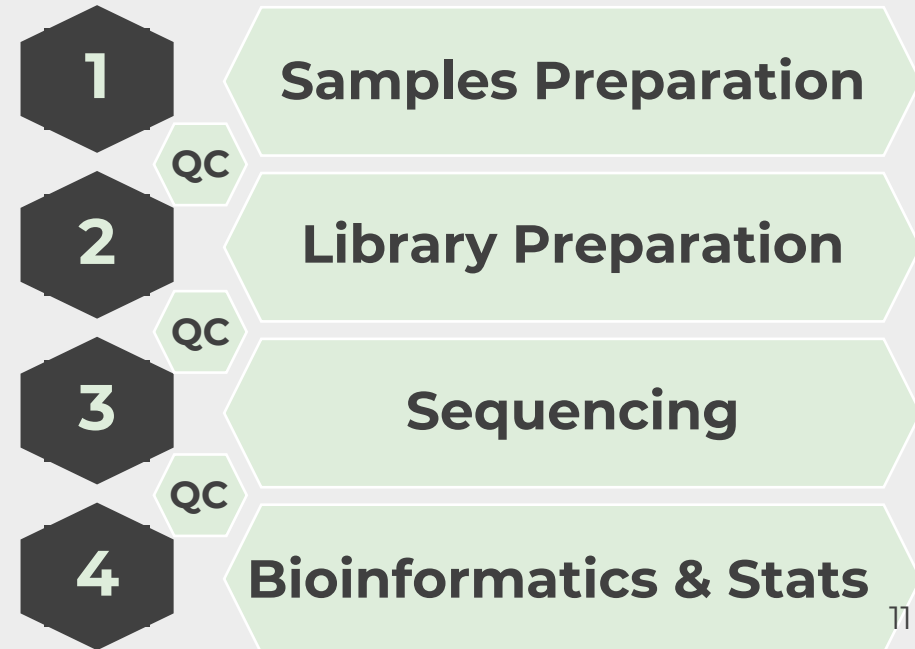
10X
GENOMICS®



10X Genomics® Chromium

Single-Cell RNA-Seq & TCR BCR Clone Frequencies
Immune Profiling
Protocol : Fresh & Fixed

Project Workflow



Genomics Capabilities

Dual-platform sequencing for unmatched accuracy



Novaseq X Plus

Feature	illumina® (Short-Read)	PacBio HiFi (Long-Read)
Read length	100–300 bp	10–25 kb (HiFi)
Accuracy	>99.9% (per base)	>99.9% (HiFi consensus)
Structural variant detection	Limited	Excellent
SNV/indel calling	Excellent	Very good
Cost per base	Low	Moderate
DNA input requirement	Low	High
Assembly contiguity	Fragmented	Continuous

PacBio



Revio system



Proteomics Capabilities

Comprehensive Multi-Omic Platform

Proteomics Capabilities

From Standard ELISA to Ultra-Sensitive Biomarker Quantification Proteomics

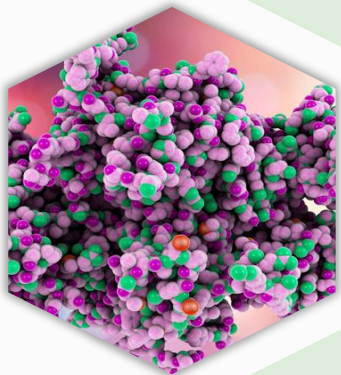
Main Characteristics

- Validated protein assays: 1500+
- Panels: fixed and custom
- Very high sensitivity: pg/mL to the fg/mL

Complementary Services

- Assay Performance Validation & Dilution linearity
- Data analysis, visualization and statistics
- ELISA / Multiplex Assay Development

Classic ELISA



Absolute Quantification



Ultra-Sensitive Quantification



Perkin Elmer EnSight®

Multi-plate reader
High-sensitivity
Luminescence-based

Luminex® BioPlex 200

100 analytes in multiplex
+500 analytes

Protein Simple Ella™

Triplicate analysis
4 analytes in multiplex
Sensitivity >pg/mL

Meso Sector S 600MM

10 analytes in multiplex
Sensitivity >fg/mL

Quanterix SR-X

Focused in Neurology
4 analytes in multiplex
Sensitivity >fg/mL

Quanterix SP-X

Focused in Oncology
10 analytes in multiplex
Sensitivity >fg/mL

Proteomics Capabilities

From Standard ELISA to Ultra-Sensitive Biomarker Quantification Proteomics

Sample
1 μ L
plasma, serum & more

Validation
GCLP
of the assay at FMP

Custom panel
Flex/Focus
pg/ml

Multiplexing
5 to 5400+
Proteins

Olink® Target 96

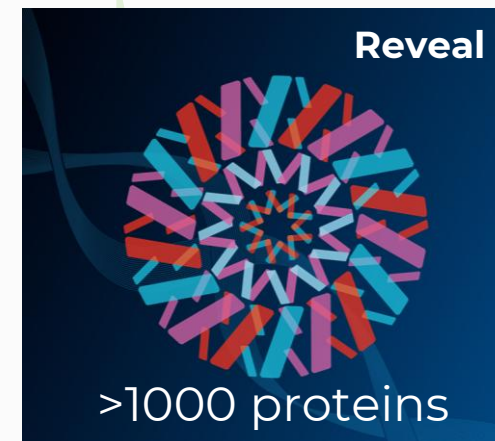


Olink® **Target 96** are perfect for proof-of-concept or hypothesis-driven studies.

Olink® Reveal

>1000 proteins, robustly detectable in only 2 μ L.

Deep profiling of inflammation:
537 inflammation proteins covering 96% of immune response pathways in Reactome.



>1000 proteins

Olink® Target 48 / Flex



Cost-effective multiplexing of 45 **crucial inflammation biomarkers** in a single assay.

- Cytokine panel
- Immune surveillance panel
- Mouse cytokine panel
- Custom Flex panels 5-30 markers

pg/ml – absolute quantification

Olink Target 48
Cytokine

Olink Target 48
Immune Surveillance

Olink Target 48
Neurodegeneration

Olink Target 48 mouse

Olink Flex
5 to 30 markers

5,300+ proteins from just 2 μ L

Olink® Explore HT

Streamlined **biomarker discovery** and **target engagement**, providing deep insights into protein-level **disease mechanisms**.

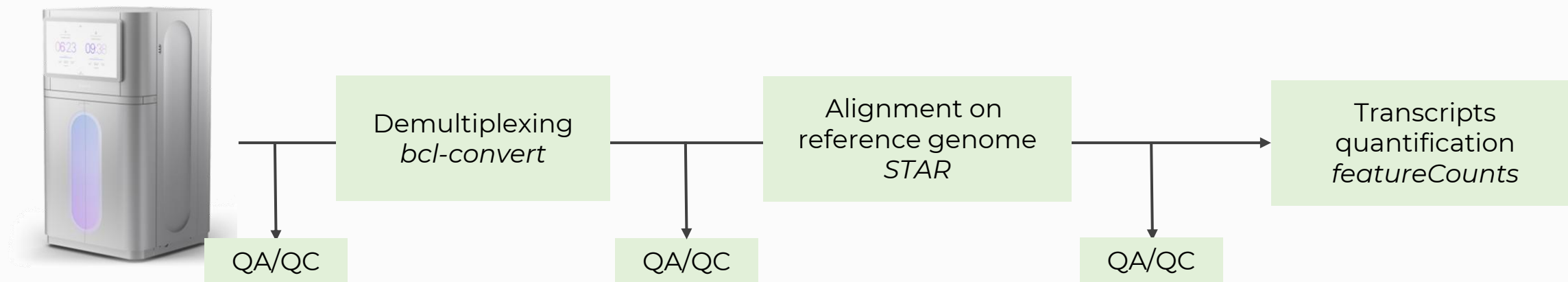
NPX – relative quantification

Bioinformatic Capabilities

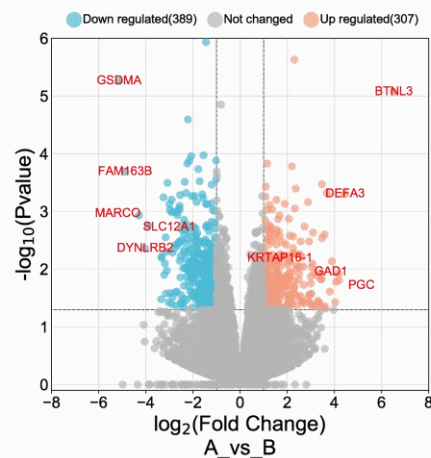
From Statistical Methods to Advanced Complex Analyses

Bioinformatic Pipeline

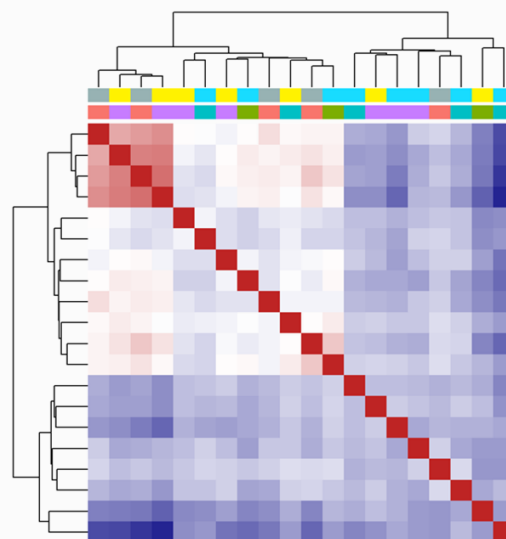
Quality Controls and Data Output



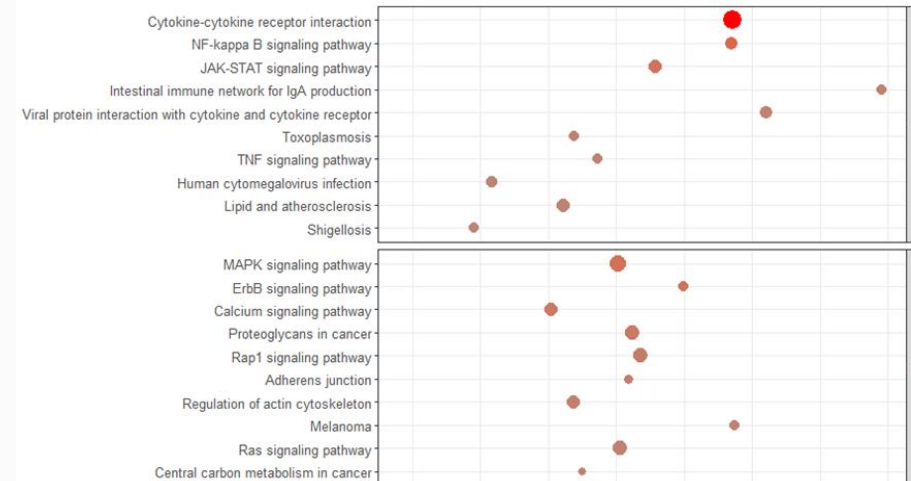
Differential Expression Analysis Biomarkers discovery



Clustering Analysis



Pathway Analysis



Operational Excellence

Project-Ready Multidisciplinary Team

Functional Organization

Single Contact Point and Responsive Team Members

Project Management Team

• Quality Technical Agreement (QTA)

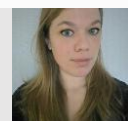
• Analytical Plan
• Project & Steering Committees

• Data Transfer Agreement (DTA)
• Data Transfer

Project Lead

1 EU or US team member

Project Management Team



Head of Quality

Valérie Bato



C.S.O.

Eric Schordan

Track project progress, update the sponsor on milestones achieved or any decisions needed.



Head of Data

Vincent VUAROQUEAUX



Head of Proteomics

Aurelien Virciglio



Head of Genomics

Gabriel Sanchez



Head of Biobank

Wilhelm Christaller



FIRALIS
MolecularPrecision

Thank you.

Firalis Molecular Precision S.A

17-35 rue du Fort
68330 HUNINGUE
FRANCE

sales@firalis.com



Firalis Molecular Precision Inc.

1 Broadway, Kendall Square
02139 CAMBRIDGE, MA
U.S.A

sales@firalis.com

