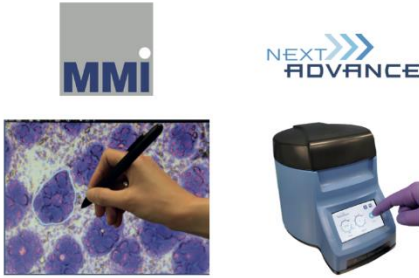


Genomics Workflow

1 - Sample Isolation



Next Generation Sequencing

Long Read Platform

- Whole Genome sequencing  PACBIO®
- Targeted sequencing
- RNA sequencing
- Complex population study



Size-selection Instrument

 sage science

2 - Nucleic Acid Extraction



Optical Mapping





- Optical mapping for SV detection and genome assembly

Sanger Sequencing

 HITACHI
Inspire the Next



- Sequencing analysis
- Fragment analysis

3 - DNA Shearing

(For whole genome sequencing only)



Microarray





- Genotyping analysis
- Gene expression profiling
- Spatial Transcriptomics

4 - Quality / Quantity Control

 Agilent Technologies



qPCR Instrument

 Agilent Technologies



- Quantitative and qualitative gene expression analysis

Liquid Handling Workstation

 Aurora
ILLUMINATING SOLUTIONS



- Automated real-time PCR setup