

# A complete NGS portfolio at GeT

GeT is a multi-site core facility specialized specialized in Genomics and Transcriptomics. It provides state-of-the-art for high throughput technologies. It has strong expertise in Sanger sequencing, Genotyping, SNP production and analysis, Transcriptomics (qPCR, microarray, RNAseq) and Next Generation Sequencing (NGS). Here is a description of NGS platforms available at GeT.

## Workflow **Template and library QC**



**ThermoFisher Ion Proton** 

## 2<sup>nd</sup> generation sequencers Applications

**Targeted resequencing** 

Small genome sequencing



2 Gb

**Targeted resequencing** Small genome sequencing **RNA-seq** ChIP-seq

**Targeted resequencing Small genome sequencing** Genotyping by sequencing **Metagenomics** 

### Library preparation



**TECAN EVO200 & EVO150** 





**C1 & access array** from Fluidigm



Sequencing



Illumina MiSeq

Illumina HiSeq2500



Illumina HiSeq3000

2x250 pb 120 Gb (Rapid Mode) 2x100 pb

2x300 pb

15 Gb

300 Gb

2x150 pb 700 Gb

**RNA-seq** Large genome sequencing ChIP-seq **Epigenetics** Genotyping by sequencing Whole exome sequencing **Custom capture** Metagenomics

Throughput





### Data quality

**Bioinformatics** 







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PacBio RSII
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Long reads (15-20 kb) 500 Mb - 1 Gb

Denovo assembly for small to large genomes New transcript isoforms discovery **Metagenomics** 

