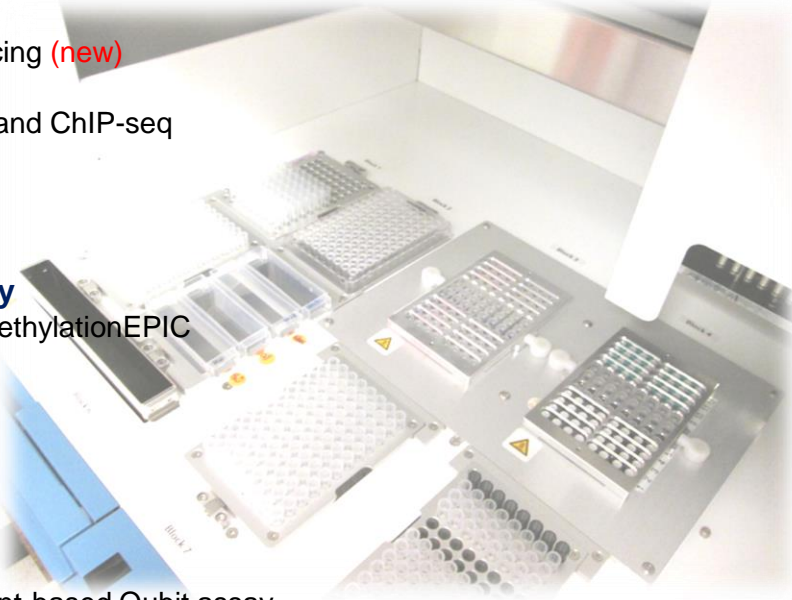


GES Core service and collaboration

- **Illumina next generation sequencing**
 - RNA-seq; miRNA-seq
 - DNA-seq; ChIP-seq; exome and targeted sequencing; amplicon-seq
 - WGS and WGBS
 - Whole mitochondrial genome sequencing (new)
 - Methyl-seq
 - Ultra-low input RNA-seq, miRNA-seq and ChIP-seq
 - Single cell RNA-seq (manual, new)
 - 16S metagenomic sequencing (new)
 - RRBS and ultra-low input RRBS
- **Illumina Infinium HD beadchip assay**
 - DNA methylation association study: MethylationEPIC
 - Beadchip-based 5-hmC assay (new)
 - Genotyping and CNV assay
- **DNA/RNA extraction**
 - Cell; Tissue; Blood; FFPE sample, etc
 - DNA/RNA QC
 - Agilent Bioanalyzer assay
 - DNA quantification by fluorescent-based Qubit assay
 - Agarose gel electrophoresis
- **NGS-based multiplexed bisulfite PCR sequencing (new)**
 - Methylation analysis of multiple targeted regions in a single assay at single CpG resolution
- **Bisulfite PCR sequencing**
 - Promoter CpG island analysis and primer design for bisulfite PCR
 - Cloning and sequencing
 - Data analysis
- **Real-time qPCR**
 - Real-time RT-PCR for RNA-seq data validation (new)
 - Taq-Man CNV/SNP assay
- **Other service/research: please inquire**
- **Proposal and manuscript preparation**
 - Collaboration
 - Consultation
 - Materials and Methods
 - Supporting letter



Contact

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