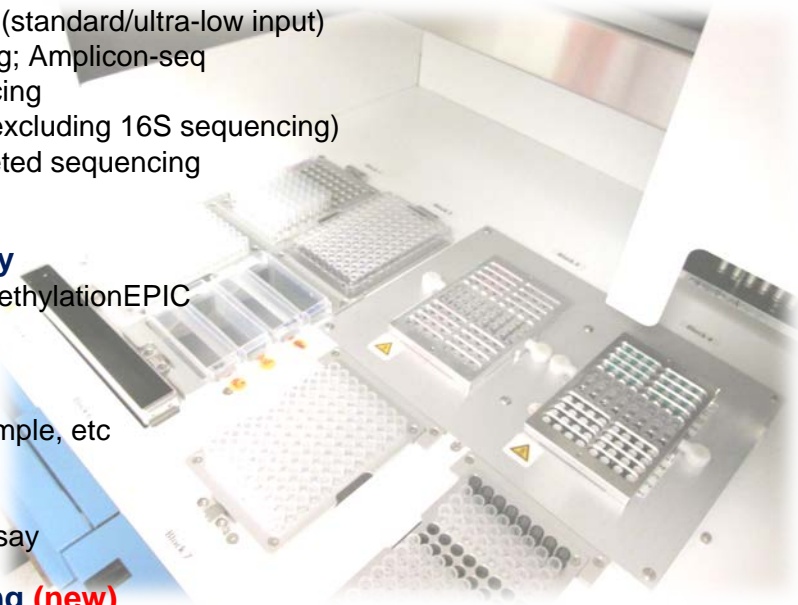


## GES Core service and collaboration

- **Illumina next generation sequencing**
  - 10x Genomics single cell sequencing (**new**)
  - Single cell sequencing (manual)
  - RNA-seq; miRNA-seq/small RNA-seq (standard/ultra-low input)
  - DNA-seq; ChIP-seq/Cut&Run/Cut&Tag; Amplicon-seq
  - Whole mitochondrial genome sequencing
  - Shotgun metagenomics sequencing (excluding 16S sequencing)
  - Methyl-seq; Exome-seq; RRBS; Targeted sequencing
  - WGS; WGBS
- **Illumina Infinium HD beadchip assay**
  - DNA methylation association study: MethylationEPIC
  - Beadchip-based 5-hmC assay
- **DNA/RNA extraction**
  - Cell; Tissue; Blood; Biofluid; FFPE sample, etc
  - DNA/RNA QC
    - Agilent Bioanalyzer assay
    - DNA quantification via Qubit assay
- **NGS-based bisulfite PCR sequencing (**new**)**
  - Multiplexed (multiple target regions)
  - Singleplexed
- **Bisulfite PCR sequencing (consultation)**
  - Promoter CpG island analysis and primer design for bisulfite PCR
  - Cloning, Sanger sequencing
  - Data analysis
- **TaqMan-based Real-time qPCR and data analysis**
  - RT-qPCR for gene expression and RNA-seq data validation (**new**)
  - SNP/genotyping
  - CNV assay
- **Other service/research: please inquire**
- **Proposal and manuscript preparation**
  - Collaboration
  - Consultation
  - Materials and Methods
  - Supporting letter



### Contact

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