

Microarray and Sequencing Core Facility

a competence centre and service provider for high-throughput genomic analysis
Oslo University Hospital and University of Oslo

Proven Solutions. Quality Provider.



The Helse Sør-Øst and University of Oslo Microarray and Sequencing Core Facility has provided the Norwegian and European community with high-throughput genomic services for over 12 years. Today, the Core Facility is running the Oslo node of the National Microarray Technology Platform under the Functional Genomic Program of the Research Council of Norway.

The Core Facility provides profiling services for gene expression, DNA copy number and epigenetic analysis using the latest microarray and next generation sequencing technologies. After an initial consultation and a written agreement, the RNA or DNA, provided by the customer, will be quality controlled and processed according to Illumina's high standards.

A final report, including raw and normalised data will be generated at the end of the service. Additional custom bioinformatic analysis can be contracted upon request.

Next Generation Sequencing

Using the latest Illumina's sequencing by synthesis chemistry we provide different next generation sequencing services. Paired-end RNA-Seq, small RNA sequencing, Chromatin Immunoprecipitation Sequencing (ChIP-Seq), DNA methylation, genomic sequencing (Paired-end and mate paired) and Targeted resequencing (Exome or candidate regions), among others.

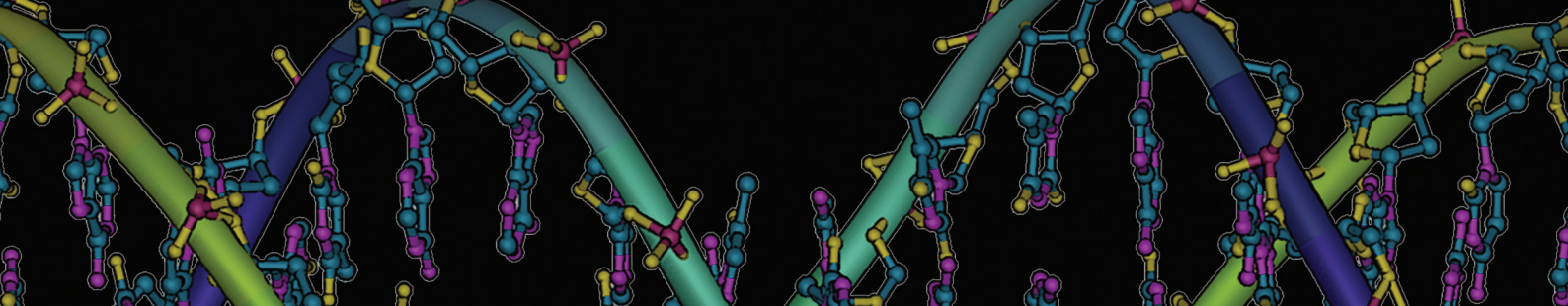
Gene Expression Analysis, BeadArray

We provide mRNA expression profiling services using whole-genome expression BeadArray technology. Standard Human and Mouse BeadArray panels are available.



Illumina CPro is a collaborative service partnership dedicated to ensuring the delivery of the highest-quality data available for genetic analysis applications. Illumina CPro certification provides a competitive advantage for your services business.





Genotyping and DNA Copy Number Analysis

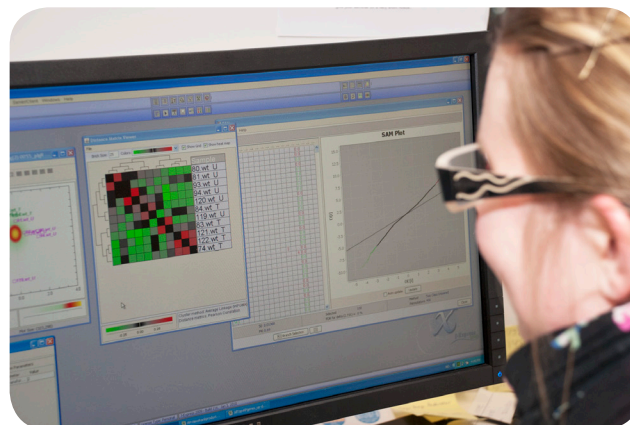
The Core Facility provides service using a large collection of BeadChips for whole-genome genotyping, as well as DNA copy number analysis.

Methylation Profiling

CpG island methylation can be monitored genome-wide or on dedicated or custom panels using Illumina's Infinium technology. Profiles of 12 or 96 samples can be processed in parallel.

Bioinformatic Service

The Core Facility provides free experimental design consultation. Based on the user's needs, we provide different levels of bioinformatic analysis, i.e. pre-processing, normalisation, statistical analysis, annotation, gene ontology and pathway analysis for microarray and next generation sequencing data .



SERVICE	PRICE PER SAMPLE FROM*
Next Generation Sequencing Service	Price upon request
Gene expression MouseWG-6 v2 arrays	2,700 NOK
Gene expression HumanHT-12 v4 arrays	1,900 NOK
DNA Copy Number SNP arrays	Price upon request
HumanMethylation450 array	3,000 NOK
Bioinformatic service (per hour)	650 NOK

* Price January 2012. May change according to exchange rates

For details or data, contact your Illumina CSprou today.



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