Details

Core Facility Genomics, Centre of Medical Genetics, University of Münster (CFG)

The CFG of the Medical Faculty Münster provides a centralized research unit for high throughtput genomics and genetics organized at the Centre for Medical Genetics. The facility holds equipment, services and analysis strategies for all state-of-the-art applications in the field of genomics especially next generation sequencing (NGS) including project desing and bioinformatics as well as workshops for bioinformatic analysis. Sequencing service available at the CFG includes DNA based methods such as whole exome or whole genome sequencing and in particular RNA based methods (mRNA or total RNA based). In addition the CFG focuses on specialized appplications e.g. low input and long read (Kinnex workflow) or single cell RNA sequencing (e.g. 10x, Parse Bioscience) or preparation of spatial trancriptomic libraries.

Address: Albert-Schweitzer-Campus 1, Gebäude D3
48149 Münster
Nordrhein-Westfalen
Deutschland
To website

Host Institution

Medizinische Fakultät der Universität Münster
Albert-Schweitzer-Campus 1, Gebäude D3
48149 Münster
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Deutschland
https://www.medizin.uni-muenster.de

Scientific Domain

Primary Subjects:
- Biology
- Medicine

Secondary Subjects:
- Agriculture, Forestry, Horticulture and Veterinary Medicine
- Computer Science, Electrical and System Engineering

Category

Genomic, Transcriptomic, Proteomics and Metabolomics Facilities

Scientific Services

The CFG provides services for: - project advice and design - focus on RNASeq workflows (bulk and single cell) - cost calculation - realization of research projects - quality control of the generated data - bioinformatic analysis - workshops for data analysis

Scientific Equipment

- Illumina NextSeq2000
- Illumina NovaSeq6000 and X (Centre for Medical Genetics)
- PacBio Revio (Centre for Medical Genetics)
- Agilent Bioanalyzer
- Agilent TapeStation 4200
- Covaris S220
- Miltenyi autoMACS separator
- BioRad CFX384

Keywords

- next generation sequencing (NGS)
- spatial transcriptomics
- singel cell sequencing
- genotpying
- transcriptomics
- epigenetics
- Bioinformatic analysis
- Workshop bioinformatics
- long read RNA sequencing
- genome wide assoziation studies (GWAS)
- genomics
- genetic

Networks

Users per annum

Internal Users:
External Users in total:
External Users:
External Users in the EU:
External Users outside of EU: