

Resource Summary Report

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University of Luxembourg LCSB Genomics Platform Core Facility

RRID:SCR_021931

Type: Tool

Proper Citation

University of Luxembourg LCSB Genomics Platform Core Facility (RRID:SCR_021931)

Resource Information

URL: <https://www.uni.lu/lcsb-en/facilities/genomics-platform/>

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Description: Core offers next generation sequencing services. Provided sequencers include NextSeq2000 and MiSeq from Illumina, and MinION nanopore sequencer from Oxford Nanopore Technologies. Illumina sequencers allow sequencing tunable read lengths up to 300 bases of single as well as paired end runs while MinION sequencer complements by ultra long read lengths up to several hundreds of kilobases. Together this offers high flexibility for the different sequencing needs. Platform offers full service, starting with advice in experimental design up to sequencing data generation. Receiving RNA or DNA samples, sample quality check, sample shearing, library preparation, sequencing run, raw data generation and preliminary data quality control report is performed. General applications include RNA sequencing, metagenomics, small genome sequencing, targeted gene sequencing, amplicon sequencing, and HLA typing. Upon user request, sequencing platform works closely with bioinformatics platform to offer downstream data analysis. Besides wide range of standard services, platform also offers new method development.

Synonyms: , LCSB Sequencing Platform Core Facility, University of Luxembourg LCSB Sequencing Platform Core Facility, LCSB Sequencing Platform

Resource Type: core facility, service resource, access service resource

Keywords: USEDit, ABRF, next generation sequencing services, NextSeq2000, MiSeq, Illumina, MinION nanopore sequencer, Oxford Nanopore Technologies

Funding:**Availability:** Open**Resource Name:** University of Luxembourg LCSB Genomics Platform Core Facility**Resource ID:** SCR_021931**Alternate IDs:** ABRF_813**Alternate URLs:** <https://coremarketplace.org/?FacilityID=813>**Old URLs:** <http://sequencing.uni.lu>,
https://www.en.uni.lu/lcsb/services/platforms/sequencing_platform**Record Creation Time:** 20220421T050137+0000**Record Last Update:** 20250508T065958+0000

Ratings and Alerts

No rating or validation information has been found for University of Luxembourg LCSB Genomics Platform Core Facility.

No alerts have been found for University of Luxembourg LCSB Genomics Platform Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Delogu F, et al. (2024) Forecasting the dynamics of a complex microbial community using integrated meta-omics. Nature ecology & evolution, 8(1), 32.

Talavera Andújar B, et al. (2024) Exploring environmental modifiers of LRRK2-associated Parkinson's disease penetrance: An exposomics and metagenomics pilot study on household dust. Environment international, 194, 109151.

de Nies L, et al. (2023) Altered infective competence of the human gut microbiome in COVID-19. *Microbiome*, 11(1), 46.

Delbrouck C, et al. (2023) Formate promotes invasion and metastasis in reliance on lipid metabolism. *Cell reports*, 42(9), 113034.

Xu X, et al. (2023) Characterization of MdMYB68, a suberin master regulator in russeted apples. *Frontiers in plant science*, 14, 1143961.

Soriano-Baguet L, et al. (2023) Pyruvate dehydrogenase fuels a critical citrate pool that is essential for Th17 cell effector functions. *Cell reports*, 42(3), 112153.

de Nies L, et al. (2022) Evolution of the murine gut resistome following broad-spectrum antibiotic treatment. *Nature communications*, 13(1), 2296.