

Resource Summary Report

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University of California Davis DNA Technologies and Expression Analysis Core Facility

RRID:SCR_028316

Type: Tool

Proper Citation

University of California Davis DNA Technologies and Expression Analysis Core Facility
(RRID:SCR_028316)

Resource Information

URL: <http://dnatech.ucdavis.edu>

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Description: Core offers high-throughput sequencing, genotyping, single-cell multi-omics, and spatial biology services as well as training and consultation. Next Generation Sequencing (NGS) technologies including Illumina and Element Biosciences short-read sequencing, PacBio and Nanopore long-read sequencing services provide sequencing and library preparation for these platforms. Genotyping is performed on the Fluidigm EP1 System for low to medium assay numbers, genotyping-by-sequencing assays, and with a range of genotyping-by-sequencing technologies (e.g. multiplexed amplicon, single-primer extension, reduced representation, and skim-seq protocols). Gene expression analysis is carried out by RNA-seq on short-read sequencers as well as full-length transcript sequencing on long-read systems. Single-cell transcriptome (high-throughput single-cell gene expression profiling) and multi-ome studies are enabled by our 10X Genomics Chromium X system and Parse Biosciences assays. Spatial transcriptome profiling is supported on the Xenium and Visium HD platforms with the help of our CytAssist instrument for fresh-frozen, fixed-frozen, and FFPE tissue sections. We offer annual Illumina and PacBio sequencing library preparation workshops, free consultations on project considerations and experimental design, and custom sequencing library prep solutions.

Synonyms: DNA Technologies and Expression Analysis Core

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

Keywords: ABRF, sequencing, genotyping, single-cell multi-omics, spatial biology, services and training,

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Alternate IDs: ABRF_5881

Alternate URLs: <https://https://coremarketplace.org/?FacilityID=5881&citation=1>

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Ratings and Alerts

No rating or validation information has been found for University of California Davis DNA Technologies and Expression Analysis Core Facility.

No alerts have been found for University of California Davis DNA Technologies and Expression Analysis Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.