Resource Summary Report

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Miami University Center for Bioinformatics and Functional Genomics Core Facility

RRID:SCR_026415
Type: Tool

Proper Citation

Miami University Center for Bioinformatics and Functional Genomics Core Facility (RRID:SCR_026415)

Resource Information

URL: http://www.cas.miamioh.edu/cbfg/

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Description: Core provides training and equipment. Instruments include Pacific Biosciences VEGA benchtop long-read system, Oxford Nanopore Technologies minION and an Illumina MiSeq Next Generation Sequencing instrumentation, ABI Capillary Electrophoresis Genetic Analyzer (3130xl); an Eppendorf epMotion 5073m NGS liquid handling workstation; Promega MaxwellRSC Nucleic Acid extraction robot; real-time qPCR instruments (Rotor-Gene Q with HRM, Bio-Rad CFX Connect, QuantStudio 7 Flex [384/96 well interchangeable blocks]), and Bio-Rad ddPCR QX200 system, laser Attune NxT Flow Cytometer for analysis, laser BD FACS Melody Flow Cytometer for sorting, UV NanoDrop spectro photometers (ND1000, ND2200), and NanoDrop (ND3300) Fluorospectrophotometer; Promega Quantus, Agilent Bioanalyzer 2100; Covaris M220 Ultrasonic Nucleic Acid Shearer, a Sage BluePippin, seven 96 well gradient capable PCR thermal cyclers, two thermally controlled table top centrifuges capable of accepting 96-well plates used for DNA template preparation; two Eppendorf ThermoMixer C mixing units (384 well PCR to 50 mL tube format), two benchtop micro-centrifuges, Molecular Devices SpectraMax iD5 microplate reader, KTA-FPLC with UV detector and fractions collector, UV-1600PC UV-VIS Spectrophotometer with Sipper module, AlphaInnotechHP Gel Imaging System, Bio-Rad ChemiDoc MP Imaging System, Bio-Rad Dodeca-Cell Criterion PAGE system, several Bio-Rad Mini-Protean Gel Apparatus, Bio-Rad IEF Focusing Cells; numerous power-packs for gel electrophoresis, DNA gel boxes, pipettors, multi-channel pipettors. Provides computers (Linux & Win10), including four Ubuntu O/S based workstations for genome assembly and related bioinformatics analyses. CBFG maintains paid licenses for CLC Genomics Workbench, CLC Main Workbench,

BioBam OmicsBox, SnapGene, FlowJo 10, SoftMax 7.1, Biogazelle qBasePLUS, and CANOCO.

Abbreviations: CBFG

Synonyms: , Center for Bioinformatics and Functional Genomics, Miami University Center for Bioinformatics and Functional Genomics

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

Keywords: ABRF, bioinformatics service, functional genomics service,

Funding:

Availability: Restricted

Resource Name: Miami University Center for Bioinformatics and Functional Genomics Core Facility

Resource ID: SCR_026415

Alternate IDs: ABRF_511

Alternate URLs: https://coremarketplace.org/?FacilityID=511&citation=1

Record Creation Time: 20250212T060343+0000

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Ratings and Alerts

No rating or validation information has been found for Miami University Center for Bioinformatics and Functional Genomics Core Facility.

No alerts have been found for Miami University Center for Bioinformatics and Functional Genomics Core Facility.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We have not found any literature mentions for this resource.