

Resource Summary Report

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South Carolina Medical University Bioenergetics Profiling Core Facility

RRID:SCR_017953

Type: Tool

Proper Citation

South Carolina Medical University Bioenergetics Profiling Core Facility (RRID:SCR_017953)

Resource Information

URL: <https://education.musc.edu/colleges/medicine/departments/pharmacology/redox-center/cores/bioenergetics-profiling-core>

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Description: Core provides several technologies that enable researchers to quantify fluxes of these metabolic reactions in cells, tissues, organoids and small animal models such as zebrafish embryos and nematodes. Technologies include high resolution respirometry using XF technology from Seahorse Biosciences/Agilent. Instrumentation utilizes 96-well microplates to provide sufficient sample numbers to provide flux profiles of glycolysis, mitochondrial respiration, fatty acid oxidation, glutamine utilization and other related metabolic processes. Rapid, high-throughput imaging optimized to XF plate architecture provides normalization of cell/tissue numbers, health, and other. Provides training, data analyses support and aid in experimental design.

Synonyms: Bioenergetics Profiling Core

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

Keywords: Bioenergetic, profiling, quantify, metabolic, reaction, cell, tissue, organoid, animal, model, zebrafish, embryo, nematode, respirometry, flux, profile, mitochondrial, respiration, glycolysis, fatty, acid, oxidation, glutamine, training, data, analysis, service, core, ABRF

Funding:

Resource Name: South Carolina Medical University Bioenergetics Profiling Core Facility

Resource ID: SCR_017953

Alternate IDs: ABRF_986

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Ratings and Alerts

No rating or validation information has been found for South Carolina Medical University Bioenergetics Profiling Core Facility.

No alerts have been found for South Carolina Medical University Bioenergetics Profiling Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.