

# Resource Summary Report

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## University of Florida Systems Physiology and Omics Core Facility

RRID:SCR\_025083

Type: Tool

### Proper Citation

University of Florida Systems Physiology and Omics Core Facility (RRID:SCR\_025083)

### Resource Information

**URL:** <https://aging.ufl.edu/research/oaic-cores/systems-physiology-and-omics-core/>

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**Description:** Provides specialized resources and expertise to support scientists that want to incorporate systemic measures of mouse activity, metabolism and feeding. The systems are also embedded within light regulated environments to capture circadian, time of day, based outcomes. Supports scientists wanting to perform circadian type analyses with either pre-clinical or clinical time series data. Supports scientists wanting to incorporate -Omics measures into their studies with experience in genomics, proteomics and metabolomics assays/analyses. These services are available to support new investigators, early-stage investigators and current investigators in aging.

**Synonyms:** Systems Physiology and Omics Core, University of Florida Systems Physiology and Omics Core

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

**Keywords:** ABRF, systemic measures, mouse activity, metabolism, feeding, light regulated environments to capture circadian,

**Resource Name:** University of Florida Systems Physiology and Omics Core Facility

**Resource ID:** SCR\_025083

**Alternate IDs:** ABRF\_2662

**Alternate URLs:** <https://coremarketplace.org/?FacilityID=2662&citation=1>

**Record Creation Time:** 20240306T053236+0000

**Record Last Update:** 20260912T200437+0000

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## Ratings and Alerts

No rating or validation information has been found for University of Florida Systems Physiology and Omics Core Facility.

No alerts have been found for University of Florida Systems Physiology and Omics Core Facility.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 3 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [SPARC SAWG](#) .

Ducharme JB, et al. (2025) Cancer-induced FOXP1 disrupts and reprograms skeletal-muscle circadian transcription in cachexia. Cell reports, 44(5), 115689.

Viggars MR, et al. (2024) Skeletal muscle BMAL1 is necessary for transcriptional adaptation of local and peripheral tissues in response to endurance exercise training. Molecular metabolism, 86, 101980.

Gutierrez-Monreal MA, et al. (2024) Targeted Bmal1 restoration in muscle prolongs lifespan with systemic health effects in aging model. JCI insight, 9(22).