

Resource Summary Report

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University of Arizona Phenotyping Core Facility

RRID:SCR_023879

Type: Tool

Proper Citation

University of Arizona Phenotyping Core Facility (RRID:SCR_023879)

Resource Information

URL: <https://research.arizona.edu/university-arizona-phenotyping-core-uapc>

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Description: Core provides resources to investigate phenotypes of genetically altered mice and small animal models of disease. Offers investigators full service support of in vivo cardiovascular and physiology studies in normal and diseased states through surgical models, imaging techniques, and functional physiological assessments. Core provides services to assist researchers with phenotyping of small laboratory animals including mice, rats, guinea pigs, rabbits with focus on cardiovascular neuromuscular and respiratory function, and exercise tolerance. Services include Experiments with cardiovascular ultrasound, plethysmography, exercise studies, small animal surgeries LAD-ligation, transaortic constriction, and data analysis; Training with equipment, small animal surgeries or data analysis; Equipment rent to measure cardiovascular, neuromuscular, respiratory function, and exercise tolerance; Consultation on experimental design, physiological data-collection, analysis, interpretation and IACUC protocols, grant- and manuscript writing.

Abbreviations: UPAC

Synonyms: UA Phenotyping Core (UAPC), University of Arizona UA Phenotyping Core (UAPC)

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

Keywords: USEDit, ABRF, imaging, functional physiological assessment, genetically altered mice phenotypes, surgical models, small animal models of disease, in vivo cardiovascular and physiology studies services,

Resource Name: University of Arizona Phenotyping Core Facility

Resource ID: SCR_023879

Alternate IDs: ABRF_1815

Alternate URLs: <https://coremarketplace.org/?FacilityID=1815&citation=1>

Record Creation Time: 20230726T050212+0000

Record Last Update: 20260905T133437+0000

Ratings and Alerts

No rating or validation information has been found for University of Arizona Phenotyping Core Facility.

No alerts have been found for University of Arizona Phenotyping Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

Listed below are recent publications. The full list is available at [PRECISE-TBI](#) .

Methawasin M, et al. (2025) Rbm20 antisense oligonucleotides alleviate diastolic dysfunction in a mouse model of cardiometabolic heart failure (HFpEF). Cardiovascular research, 121(13), 2027.

Methawasin M, et al. (2025) An ovary-intact postmenopausal HFpEF mouse model; menopause is more than just estrogen deficiency. American journal of physiology. Heart and circulatory physiology, 328(4), H719.

Strom J, et al. (2024) Titin's cardiac-specific N2B element is critical to mechanotransduction during volume overload of the heart. Journal of molecular and cellular cardiology, 191, 40.

Thota LNR, et al. (2023) The Pulmonary Endothelial Glycocalyx Modifications in Glypican 1 Knockout Mice Do Not Affect Lung Endothelial Function in Physiological Conditions. International journal of molecular sciences, 24(19).