

# Resource Summary Report

Generated by SPARC SAWG on Jul 28, 2026

## University of South Carolina Instrumentation Resource Core Facility

RRID:SCR\_024955

Type: Tool

### Proper Citation

University of South Carolina Instrumentation Resource Core Facility (RRID:SCR\_024955)

### Resource Information

**URL:**

[https://sc.edu/study/colleges\\_schools/medicine/research/research\\_facilities/instrumentation\\_resource\\_core\\_facility](https://sc.edu/study/colleges_schools/medicine/research/research_facilities/instrumentation_resource_core_facility)

**Proper Citation:** University of South Carolina Instrumentation Resource Core Facility (RRID:SCR\_024955)

**Description:** IRF houses biotechnological equipment that provide investigation ranging from single cell and molecular level analysis to whole animal imaging. Additionally, the IRF maintains a full range of ancillary equipment available for sample preparation, image enhancement, and data analysis.

**Abbreviations:** IRF

**Synonyms:** Instrumentation Resource Facility (IRF), USC School of Medicine Columbia Instrumentation Resource Facility (IRF), USC Instrumentation Resource Facility (IRF)

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

**Keywords:** IRF, USC, ABRF, biotechnological equipment

**Resource Name:** University of South Carolina Instrumentation Resource Core Facility

**Resource ID:** SCR\_024955

**Alternate IDs:** ABRF\_2617

**Alternate URLs:** <https://coremarketplace.org/?FacilityID=2617&citation=1>

**Record Creation Time:** 20240201T171710+0000

**Record Last Update:** 20260728T043719+0000

### Ratings and Alerts

No rating or validation information has been found for University of South Carolina Instrumentation Resource Core Facility.

No alerts have been found for University of South Carolina Instrumentation Resource Core Facility.

---

## Data and Source Information

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

---

## Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Nguyen V, et al. (2026) Vascular Organoids Derived from Capillary malformation-induced Pluripotent Stem Cells Exhibit Disease-Relevant Phenotypes. Stem cell reviews and reports, 22(1), 668.

Amurrio E, et al. (2025) Age-Related Increases in PDE11A4 Protein Expression Trigger Liquid-Liquid Phase Separation (LLPS) of the Enzyme That Can Be Reversed by PDE11A4 Small Molecule Inhibitors. Cells, 14(12).

Nguyen V, et al. (2025) Single-vessel transcriptome map pathological landscapes and reveal NR2F2-mediated smooth muscle cell phenotype acquisition in capillary malformations. bioRxiv : the preprint server for biology.

Frick MA, et al. (2025) Orexin/Hypocretin Modulates Neuroinflammatory Response to LPS in a Sex and Brain-Region Specific Manner in Young Rats. Journal of neurochemistry, 169(8), e70175.

Deloach S, et al. (2025) A Novel Peptoid Hybrid of Alpha-Calcitonin Gene-Related Peptide (?-CGRP) Ameliorates Cardiac Remodeling in Pressure Overload-Induced Heart Failure. Cells, 14(20).

Worden AN, et al. (2025) The Role of the CXCL12/CXCR4 Signaling Pathway in Regulating Cellular Migration. Microscopy and microanalysis : the official journal of Microscopy Society of America, Microbeam Analysis Society, Microscopical Society of Canada, 31(2).

Cardaci TD, et al. (2025) Profibrotic immune cells and fibro-adipogenic progenitors contribute to skeletal muscle extracellular matrix remodeling and fibrosis in cancer cachexia. American journal of physiology. Cell physiology, 329(4), C1283.

Azeredo PDS, et al. (2025) Tetrahydrocurcumin Outperforms Curcumin in Preventing Oxidative Stress-Induced Dysfunction in Tert-Butyl Hydroperoxide-Stimulated Cardiac Fibroblasts. International journal of molecular sciences, 26(13).

Peacock TE, et al. (2025) Multiplexed longitudinal analysis of the cellular and microbial dynamics of acute polymicrobial sepsis in mice. *Frontiers in immunology*, 16, 1682451.

Pernomian L, et al. (2024) A Single-Short Partial Reprogramming of the Endothelial Cells decreases Blood Pressure via attenuation of EndMT in Hypertensive Mice. *bioRxiv* : the preprint server for biology.

Waigi EW, et al. (2024) Vascular dysfunction occurs prior to the onset of amyloid pathology and A $\beta$  plaque deposits colocalize with endothelial cells in the hippocampus of female APP<sup>swe</sup>/PSEN1<sup>dE9</sup> mice. *GeroScience*, 46(6), 5517.