

# Resource Summary Report

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## [University of Colorado Anschutz Medical Campus Cancer Center Small Animal Image Guided Radiation Therapy Core Facility](#)

RRID:SCR\_021996

Type: Tool

### Proper Citation

University of Colorado Anschutz Medical Campus Cancer Center Small Animal Image Guided Radiation Therapy Core Facility (RRID:SCR\_021996)

### Resource Information

**URL:** <https://medschool.cuanschutz.edu/colorado-cancer-center/research/shared-resources/animal-imaging/irradiation>

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**Description:** Core specializes in targeted irradiation of small animals for use in preclinical trials of radiation therapy. Through use of XRAD-SmART Irradiator, core can use x-ray fluoroscopy and on board CBCT to accurately irradiate small lesion areas while protecting normal tissue. Provides experiment design, data analysis, and dosimetry calculations, as well as longitudinal acquisition of CBCT for temporal assessment of tumor growth kinetics.

**Abbreviations:** SAI-GRT

**Synonyms:** Small Animal Image-Guided Radiation Therapy

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

**Keywords:** ABRF, USEDit, targeted irradiation of small animals, preclinical trials, radiation therapy

**Resource Name:** University of Colorado Anschutz Medical Campus Cancer Center Small Animal Image Guided Radiation Therapy Core Facility

**Resource ID:** SCR\_021996

**Alternate IDs:** ABRF\_1320

**Alternate URLs:** <https://coremarketplace.org/?FacilityID=1320>

**Record Creation Time:** 20220421T050138+0000

**Record Last Update:** 20260806T054735+0000

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## Ratings and Alerts

No rating or validation information has been found for University of Colorado Anschutz Medical Campus Cancer Center Small Animal Image Guided Radiation Therapy Core Facility.

No alerts have been found for University of Colorado Anschutz Medical Campus Cancer Center Small Animal Image Guided Radiation Therapy Core Facility.

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## Data and Source Information

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

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## Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Hayrapetyan L, et al. (2025) HPV and p53 Status as Precision Determinants of Head and Neck Cancer Response to DNA-PKcs Inhibition in Combination with Irradiation. Molecular cancer therapeutics, 24(2), 214.

Veo B, et al. (2025) Single-cell multi-omics identifies metabolism-linked epigenetic reprogramming as a driver of therapy-resistant medulloblastoma. Nature communications, 16(1), 10470.

Veo B, et al. (2024) Single-cell multi-omics analysis identifies metabolism-linked epigenetic reprogramming as a driver of therapy-resistant medulloblastoma. Research square.

Griesinger AM, et al. (2024) Development of Chromosome 1q+ Specific Treatment for Highest Risk Pediatric Posterior Fossa Ependymoma. Clinical cancer research : an official journal of the American Association for Cancer Research, 30(8), 1544.