

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, core facility, service resource

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: 20260912T200414+0000

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.

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 [SPARC SAWG](#) .

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.