

Resource Summary Report

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Dartmouth Transgenics and Genetic Constructs Shared Resource

RRID:SCR_012443

Type: Tool

Proper Citation

Dartmouth Transgenics and Genetic Constructs Shared Resource (RRID:SCR_012443)

Resource Information

URL: http://cancer.dartmouth.edu/res/transgenics_genetic.html

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Description: THIS RESOURCE IS NO LONGER IN SERVICE. Documented on May 12, 2026. Core facility that provides the following services: Cigarette smoke exposure analysis service, Oocyte injection for transgenic animal production, Transgenic mice consultation, Generation of chimeric mice from ES cells, Transgenic lines establishment, Genotyping service, Tail biopsies and other services, Humanized mice production. The mission of the TGCSR is to support the generation and utilization of genetically modified mice by members of the Dartmouth research community. The support starts with intellectual support in planning and designing transgenic experiments provided by consultation with the TGCSR director. The TGCSR is now able to offer not only assistance with design of genetic constructs but also the production of genetic constructs for use in transgenic animal production through recombineering in either yeast or E. coli. TGCSR provides a full range of ES cell manipulation services. The tasks of manipulating the mouse embryo are fully provided by the TGCSR either in house or through an established relationship with the University of Vermont. Jackson labs is now providing cryopreservation services to protect and preserve valuable transgenic mouse lines. The TGCSR can also provide genotyping and mouse husbandry services. As currently organized, the TGCSR can provide the full range of services required to design, generate and maintain transgenic mouse lines. TGCSR currently maintains two specialized transgenic lines that express Cre or Flp in the germline for genetic manipulation of transgene/knockouts in vivo. TGCSR has a fully equipped embryo manipulation laboratory in the Borwell animal facility and an adjoining 4 room suite of mouse husbandry rooms.

Abbreviations: Dartmouth TGCSR, TGCSR

Synonyms: Norris Cotton Cancer Center Transgenics and Genetic Constructs Shared Resource, Dartmouth-Hitchcock ransgenics and Genetic Constructs Shared Resource,

NCCC Transgenics & Genetic Constructs Shared Resource, NCCC Transgenics and Genetic Constructs Shared Resource, Dartmouth Transgenics and Genetic Constructs Shared Resource (TGCSR), Norris Cotton Cancer Center Transgenics & Genetic Constructs Shared Resource

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

Keywords: high throughput sample analysis, oocyte injection, transgenic mouse model generation, transgenic organism model generation, polymerase chain reaction, genotyping assay, southern blot analysis, tail vein injection, embryo transplantation, ovariectomy, laboratory animal care, humanized mice generation

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: Dartmouth Transgenics and Genetic Constructs Shared Resource

Resource ID: SCR_012443

Alternate IDs: SciEx_137

Alternate URLs: <http://dartmouth.eagle-i.net/i/0000012a-f753-d819-6a59-ec4e80000000>, <http://www.scienceexchange.com/facilities/transgenics-and-genetic-constructs-shared-resource-tgcsr-dartmouth>

Record Creation Time: 20220129T080310+0000

Record Last Update: 20260820T054718+0000

Ratings and Alerts

No rating or validation information has been found for Dartmouth Transgenics and Genetic Constructs Shared Resource.

No alerts have been found for Dartmouth Transgenics and Genetic Constructs Shared Resource.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.