

# Resource Summary Report

Generated by [NIF](#) on Apr 8, 2025

## Harvard Genome Modification Facility Harvard University

RRID:SCR\_009849

Type: Tool

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### Proper Citation

Harvard Genome Modification Facility Harvard University (RRID:SCR\_009849)

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### Resource Information

**URL:** <http://harvard.eagle-i.net/i/0000012b-00c4-8067-db6e-7a3f80000000>

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**Description:** Core facility that provides the following services: Transgene microinjection service, Embryonic stem cell gene targeting service, Blastocyst injection service, Cryopreservation of embryos and sperm, Genotyping service, Mouse consulting service. The Genome Modification Facility (GMF) provides transgenic, gene targeting, and other services to investigators of Harvard University and its affiliated institutions, as well as to investigators within the US and abroad. The GMF performs microinjections of DNA into fertilized embryos to generate transgenic mice, DNA transfection into ES cells for the creation of recombinant ES cell clones, injection of gene-targeted ES cells into host blastocysts to generate gene knock-out or knock-in mice, teratoma formation studies, and other related ES cell-based services. Other services include cryopreservation of mouse sperm and embryos, in vitro fertilization (IVF), recovery of cryopreserved mouse sperm and embryos, rederivation of pathogen free mouse lines, and derivation ES cell lines from wild type and mutant mice with a variety of genetic backgrounds. Our staff provides general consultations on experimental designs and vectors for gene modification-related projects, DNA preparation, recombinant ES clones, mouse genotyping, colony breeding and husbandry. We can also customize services as requested to support development of animal models of human diseases.

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

**Keywords:** transgenic mouse model generation, genotyping assay, electroporation, blastocyst injection, cryoembedding

**Funding:****Resource Name:** Harvard Genome Modification Facility Harvard University**Resource ID:** SCR\_009849**Alternate IDs:** nlx\_156317**Alternate URLs:** <http://gmf.fas.harvard.edu/>**Record Creation Time:** 20220129T080255+0000**Record Last Update:** 20250407T215831+0000

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## Ratings and Alerts

No rating or validation information has been found for Harvard Genome Modification Facility Harvard University.

No alerts have been found for Harvard Genome Modification Facility Harvard University.

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## Data and Source Information

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

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## Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Ing-Esteves S, et al. (2018) Combinatorial Effects of Alpha- and Gamma-Protocadherins on Neuronal Survival and Dendritic Self-Avoidance. The Journal of neuroscience : the official journal of the Society for Neuroscience, 38(11), 2713.