

Resource Summary Report

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NYU Langone's Advanced Rodent Transgenics Laboratory ART-Lab Core Facility

RRID:SCR_017692

Type: Tool

Proper Citation

NYU Langone's Advanced Rodent Transgenics Laboratory ART-Lab Core Facility
(RRID:SCR_017692)

Resource Information

URL: https://nyumc.ilab.agilent.com/service_center/4273

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Description: Core offers services for researchers who want to apply advanced molecular genetic techniques in rodent models of physiology and disease. Provides expertise in generating novel mutant and transgenic mouse strains using genome engineering in mouse embryos and in embryonic stem cells (ESCs). Available technologies include: Generation of genome-edited mice by embryo pronuclear microinjection of DNA and genome editors (e.g., CRISPR/Cas9, site-specific recombinases) or traditional BAC transgenesis; Generation of genome-edited mice from mouse embryonic stem cells (mESCs) by chimeric blastocyst injection; Generation of genome-edited mice from mESCs by tetraploid blastocyst injection; Generation of mice from induced pluripotent stem cells; Assisted reproductive technologies; Sperm and embryo cryopreservation, storage and import/export; in vitro fertilization (IVF); Embryo rederivation technologies for animal import into barrier vivaria through quarantine.

Synonyms: NYU School of Medicine Rodent Genetic Engineering Laboratory Core Facility, Advanced Rodent Transgenics Laboratory (ART-Lab), NYU Langone Rodent Genetic Engineering Laboratory, New York University School of Medicine Langone Health Rodent Genetic Engineering Laboratory Core Facility, ART-Lab, RGEL, New York University Langone Medical Center Rodent Genetic Engineering Laboratory

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

Keywords: Rodent, model, generation, mutant, mouse, strain, gene, targeting, embryonic, stem, cell, genetically, modified, CRISPR, Cas9, editing, in vivo, EZ-mouse model, in vitro, fertilization, cryopreservation, sperm, service, core, ABRF, USEdit

Availability: Open

Resource Name: NYU Langone's Advanced Rodent Transgenics Laboratory ART-Lab Core Facility

Resource ID: SCR_017692

Alternate IDs: ABRF_822, ABRF_105, SCR_017925, SCR_017713

Alternate URLs: <https://coremarketplace.org/?FacilityID=822>

Old URLs: <https://coremarketplace.org/?FacilityID=105>, NYU School of Medicine Rodent Genetic Engineering Laboratory

Record Creation Time: 20220129T080336+0000

Record Last Update: 20260806T054656+0000

Ratings and Alerts

No rating or validation information has been found for NYU Langone's Advanced Rodent Transgenics Laboratory ART-Lab Core Facility.

No alerts have been found for NYU Langone's Advanced Rodent Transgenics Laboratory ART-Lab 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 [RRID](#).

Fu L, et al. (2026) Specialized Dendritic Cells Mediating Peripheral Tolerance to Intestinal Antigens. Immunological reviews, 337(1), e70082.

Zhang W, et al. (2025) Genome writing to dissect consequences of SVA retrotransposon disease X-Linked Dystonia Parkinsonism. bioRxiv : the preprint server for biology.

Fu L, et al. (2025) PRDM16-dependent antigen-presenting cells induce tolerance to gut antigens. Nature, 642(8068), 756.

Xia B, et al. (2020) Widespread Transcriptional Scanning in the Testis Modulates Gene Evolution Rates. Cell, 180(2), 248.