

# Resource Summary Report

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## UNC School of Medicine Animal Models Core

RRID:SCR\_012167

Type: Tool

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### Proper Citation

UNC School of Medicine Animal Models Core (RRID:SCR\_012167)

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### Resource Information

**URL:** <http://www.scienceexchange.com/facilities/animal-models-core>

**Proper Citation:** UNC School of Medicine Animal Models Core (RRID:SCR\_012167)

**Description:** The UNC Animal Models Core Facility provides the full range of mouse genetic modification services, reagents and related technologies. The Core's services are available to both UNC and Non-UNC clients. Transgenic (pronuclear injection) animals can be generated in C57BL/6, FVB or C57BL/6 X DBA2 hybrid strains. Services for creating transgenic mice include transgene design, construct generation, isolation of the transgene fragment, pronuclear microinjection, founder genotyping and breeding. The core also offers the full suite of services for BAC (bacterial artificial chromosome) recombineering and microinjection of BAC transgenes. Gene targeting services are available in ES cells from C57BL/6 or 129P2/Ola strains. Other strains available upon request. Gene targeting services include design and cloning of targeting vectors, creating gene-targeted ES cells, blastocyst microinjection of the ES cells to create transmitting chimeras and chimera breeding for germline transmission. The core can also provide Southern blot validation and blastocyst microinjection of ES cells from EUCOMM, KOMP or other consortia. Additional services include Cre- or Flp-mediated excision in ES cells or in vivo, chromosome counting, PCR screening and Southern blotting. Rat model production is also available.

**Abbreviations:** UNC Animal Models Core

**Synonyms:** University of North Carolina at Chapel Hill School of Medicine Animal Models Core, UNC Animal Models Core Facility

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

**Resource Name:** UNC School of Medicine Animal Models Core

**Resource ID:** SCR\_012167

**Alternate IDs:** SciEx\_10064

**Record Creation Time:** 20220129T080308+0000

**Record Last Update:** 20260801T191206+0000

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## Ratings and Alerts

No rating or validation information has been found for UNC School of Medicine Animal Models Core.

No alerts have been found for UNC School of Medicine Animal Models Core.

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## Data and Source Information

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

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.