

## Location



**Building 1900** TIGM houses unique, world-class scientific facilities on the Texas A&M main campus in College Station. The central feature of TIGM's 34,000 square foot facility is a Specific Pathogen Free (SPF) maximum barrier (shower-in) mouse vivarium. This breeding vivarium can house more than 40,000 mice in 8,000 high density micro isolator cages. An adjoining research vivarium for TIGM users can house an additional 30,000 mice.



## Information

Texas A&M Institute for  
Genomic Medicine

670 Raymond Stotzer  
Parkway

4485 TAMU

College Station, Texas  
77845-4485

### For more information:

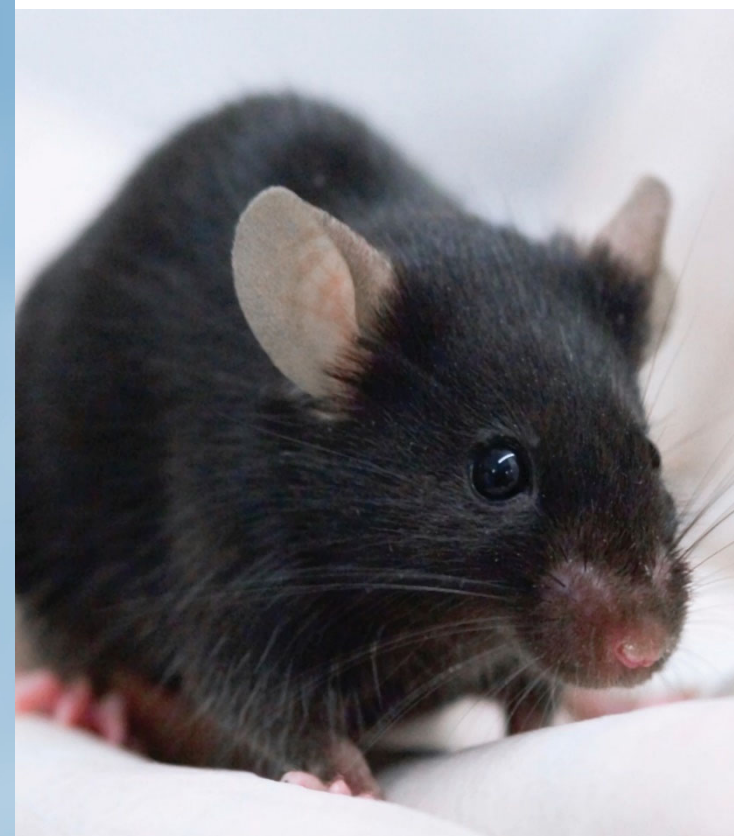
**Phone:** (979) 845-TIGM or  
(888) 377-TIGM

**Fax:** (979) 458-5559

**E-mail:** [info@tigm.org](mailto:info@tigm.org)

**Website:** [www.tigm.org](http://www.tigm.org)

**Price list:**  
[www.tigm.org/tamus\\_services/](http://www.tigm.org/tamus_services/)



Mouse Genomics Research,  
Resources, and Services

## Did You Know?

Texas A&M Institute for Genomic Medicine (TIGM):

- maintains a specific pathogen free vivarium.
- provides TAMUS investigators with research space and colony access in our research vivarium.
- offers TAMUS investigators ICR/CD1, 129, Balb-C, C57Bl6N, C57Bl6J, and FVB stock mice at cost.
- operates the world's largest C57Bl/6 gene trap library containing over 350,000 ES cell clones representing 10,000 unique genes.
- **provides a variety of mouse core facility services for The Texas A&M University System.**

## Colony Management Services

- Colony management, expansion, and maintenance
- Genotyping

### *Current Stats*

Publications	319
Clones expanded	5278
ES clone projects shipped	353
Mouse lines shipped	415
Repository lines	282
Lines stored as sperm	492
Lines stored as embryos	107
Countries Served	27

## Transgenic Services

- Blastocyst injection
- Pronuclear injection
- 2-cell injection
- Electroporation
- Construct design and generation for custom projects
- CRISPR
- Transgene expression analysis
- Rederivation (IVF, embryo transfer)
- Cryopreservation of sperm and embryos
- Cryogenic storage of sperm, embryos, and cells

## Facilities

Liquid nitrogen freezers for the cryogenic storage of cells, sperm, and embryos



Molecular biology laboratory for analysis of DNA, RNA, and protein



BSL-1 cell culture laboratory for generating genetically modified cell lines



Assisted reproduction laboratory for generating, rederiving, and freezing genetically modified mouse strains



The separation of a specific pathogen-free mouse vivarium and an open access, research vivarium allows development of clean mice while allowing mice from different sources to be brought to our facility as well as allowing collaborators to work with their animal cohorts in the open research core.

