## **GEAM Services**

Services currently provided by the Genome Editing and Animal Models Shared Resource include:

- CRISPR/Cas9 design, consultation, and synthesis for mice, rats, and cell lines
- Generation of transgenic mice and rats by pronuclear microinjection
- Generation of mouse models from embryonic stem (ES) cells
- Cryopreservation of mouse and rat embryos and sperm
- Rederivation of rodent model strains
- Other molecular biology and animal services related to transgenic and genome editing technology
- Genome edited mice, rats, and pigs
- Genome edited cell lines
- High-throughput genotyping of genome-edited cell lines
- Genome-wide CRISPR screening
- Development of customized, advanced CRISPR applications
- Cas9-mediated target capture for long read sequencing
- Create clonally-edited cell lines
- Cell cultures

We carefully discuss investigator needs to ensure the customized projects are ideally suited for the investigator's needs. We have extensive expertise developing CRISPR/Cas9, generating new CRISPR/Cas9 models, and embryo manipulation of many mouse and rat strains.

Learn more about the Genome Editing Facility and Animal Models Facility.