 Request for Services

Mouse Genetics Core Facility

1400 Jackson Street D202

Denver, CO 80206

303.270.2657

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| Date  Principal Investigator       email       Location of colony  Contact person       email       phone  Animal protocol#       Final destination of mice (if applicable)  Speedtype (NJH only)      Credit card      Purchase Order |
| *Construct design and development* (check all that apply. Molecular biology work does **not** have to be intended for the generation of genetically modified mice)  Expression construct (generic, lentiviral, retroviral, etc)  TALEN synthesis  BAC recombineering  CRISPR/Cas synthesis  Targeting construct  DNA template for HDR  Transgenic construct  other |
| *Transgenic/BAC transgenic/Engineered Nuclease mice*  Size of linear insert:       Name of transgene:  Brief description of genetic modification:  Oncogene? Yes No Toxic Gene? Yes No DNA produce a virus or prion? Yes No |
| *Mouse Embryonic Stem Cell Targeting*  Name of target vector:  Brief description of genetic modification:  Oncogene? Yes No Toxic Gene? Yes No DNA produce a virus or prion? Yes No |
| *Blastocyst Injection (if ES clones are imported from a consortium, additional services may be required)*  Name of targeting construct       Clones to be injected       Source of clones |
| *Rederivation*  Embryo rederivation with cryopreserved embryos IVF rederivation using cryopreserved sperm  Rescue rederivation using fresh sperm  Strain name       Strain background       Breeding issues?       Source of embryos/sperm |
| *Cryopreservation*  sperm cryopreservation speed cryopreservation embryo cryopreservation  Strain name       Strain background       Breeding issues? |
| *Genotyping*   with an established genotyping protocol  we need help designing or optimizing a genotyping protocol |
| *Characterization and Isolation of CRISPR/Cas modified clones*  Name of gene:       Description of modification desired  Cell type |

**Assurances.** I have read the IACUC guidelines for the production and use of transgenic and knockout mice, and I will notify the IACUC of any unexpected phenotypes that might arise during the course of our studies of the animals produced by the MGCF, if applicable.

Principal Investigator \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_