# UMMS TRANSGENIC ANIMAL MODELING CORE (TAMC)
## MOUSE LENTIVIRAL INJECTION

**THE FACILITY WILL PERFORM:**

1. Microinjection into _____(strain name) mouse embryos.
2. Reagents to be injected <u>lentiviral vector</u> .
3. A minimum of four transfers into pseudo-pregnant recipients.
4. Care of mice though pregnancy, birthing and weaning as appropriate.

Sufficient numbers of microinjected zygotes will be transferred into pseudo-pregnant recipients to yield approximately 15-20 births.

Once a microinjection experiment is underway, the minimum time for production of founder mice will be approximately eight weeks (two weeks for injections, three weeks for gestation, three weeks for weaning).  The mice will be transferred to the Investigator  at that time, and the Investigator will have full responsibility for further breeding, genetic analysis, observation, etc.

Not all DNA constructs microinjected into mouse embryos will produce transgenic founder animals, as the biologic effects of the expression of some transgenes may prove deleterious during development.  Furthermore, not all nuclease RNA or DNA will yield the desired mutations.  Therefore, the UMASS Transgenic Animal Modeling Core can only guarantee the minimum number of transfers of injected embryos into pseudo-pregnant recipients (4) and the number of mice born (approximately 15-20).

### *Charges for lentiviral injection as described above = $7,000.00 per construct*

*P.I. Name*_____          *Date Received*_____
*Department*_____          *ES Clone name(s)*_____
*Speedtype number*_____
*IACUC Docket Number*_____
*IBC Docket Number*_____          *TOTAL CHARGES*  $_____
<u>*NOTE: As per IACUC and IBC regulations, all recombinant lentivirus delivered to the TAMC*</u>
<u>*MUST be free of replication competent virus.  We will ask to see the PCR results.*</u>

X_____          X_____
        UMMS INVESTIGATOR / date                    UMMS TAMC / date