

# UMMS TRANSGENIC ANIMAL MODELING CORE (TAMC)

## GENERATION OF IPS CELL LINE STABLY EXPRESSING CAS9

### The Facility will perform:

1. Thawing and expansion of iPS cells provided by investigator or previously generated by the TAMC.
2. Mycoplasma testing.
3. Generation of drug kill-curve.
4. Infection of iPS cells with Lenti/Cas9 virus bearing drug resistance marker.
5. Selection for drug-resistance.
6. Clonal expansion of drug-resistant clones (includes picking colonies under the microscope in tissue culture hood) and generating replicates in adequate format for freezing and for nucleic acid analyses performed by investigator.
7. Testing Cas9 expression of individual clones by immunostaining.
8. Cas9-expressing clones, as verified by nucleic acid and immunostaining analyses, will be expanded and provided to the investigator as frozen cells and/or in culture.

**Charges: \$3,800.00 per cell line**

PI Name \_\_\_\_\_

Department \_\_\_\_\_

Account Number \_\_\_\_\_

Number of Lines \_\_\_\_\_

Date Received \_\_\_\_\_

**Total Charges \$** \_\_\_\_\_

Notes:

X \_\_\_\_\_

**UMMS Investigator**

**Date**

X \_\_\_\_\_

**UMMS TAMC**

**Date**