UMMS TRANSGENIC ANIMAL MODELING CORE (TAMC)

GENOME EDITING IN HUMAN iPS CELLS

The Facility will perform:

MODULE I

- Expansion of iPS cells grown on feeders or under the feeder free conditions provided by the investigator or generated by the Facility.
- Adaptation to feeder free conditions and single cell passaging conditions.
- Transfection of a CRISPR guide RNA, Cas9 and donor plasmid (or single stranded oligodinucleotide) containing wild type or mutated DNA sequence into the iPS cells.
- Pre-selection by FACS sorting (if construct has GFP) or drug selection (if construct has a drug resistance marker) of transfected iPS cells. This step also includes drug kill curve generation prior to the drug selection.

Charges: $3,500.00

MODULE II

- Clonal expansion of transfected 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

Charges: $3,500.00

MODULE III

- Following identification of putative positive clones Facility will expend selected clones for larger scale freezing and for DNA preparation.
- Frozen vials of positive clones will be given to the investigator.

Charges: $2,000.00

PI Name _____

Department _____

Account Number _____

Number of Lines _____

Date Received _____

Total Charges $ _____

Notes:

X _____ ***X*** _____

UMMS Investigator ***Date*** ***UMMS TAMC*** ***Date***

Revised: 7/1/17