

It will be comprised of a full-time technician who is skillful in tissue culture and lentiviral vector production, the CFI-funded Biosafety Level II tissue culture facility, CFI-funded cryopreservation unit, CFI-funded ultra-low temperature freezer and an ultra-centrifuge. Drs. Kung and Xie will supervise the Technician, and manage the Core facility.

The core will maintain stocks of 293T cells, packaging and envelope plasmids (for lentiviral vector production), and control lentiviral vector plasmids (such as irrelevant shRNA silencing specificity control, scrambled shRNA silencing specificity control, GAPDH-silencing positive control) and an EGFP-expressing lentiviral vector (for evaluation of transduction efficiency in the cell type of interest). It will provide custom-made viral preparations, EGFP-reporter and control viral preparations to users at cost-recovery prices (that cover consumables, service contract and future replacement of the ultracentrifuge rotor).

Lentiviral Vector Viral Particles Production Core Platform Service

