UCSF Procedures for Using Risk Group 2 Viral Vectors in Rodents at the ABSL2 Viral Shedding Facility

1. Read laboratory Biological Use Authorization (BUA) and Animal Involvement Form (AIF) prior to beginning work to understand the biohazard of lentivirus, adenovirus and other risk group 2 viral vectors, excretion routes and post-exposure procedures. Additional information is found in Lentivirus Post Exposure Protocol at http://www.occupationalhealthprogram.ucsf.edu/ohpEE.asp#EP and the MSDSs for infectious substances, which are available at http://www.phac-aspc.gc.ca/msds-ftss/index-eng.php.

2. Lab personnel must work with LARC supervisors to determine which ABSL2 Viral Shedding room they will use prior to start of experiments. Post ABSL2 door sign on the applicable door for each approved ABSL2 Viral Shedding room.

3. Immediately prior to using lentivirus, adenovirus or other risk group 2 viral vectors in rodents, lab personnel must place a biohazard label (see example below) on the animal cage card. Labels must remain on cage card for 48 hours. Enter name of the lentivirus, adenovirus or other risk group 2 viral vectors and date of administration on the label.

4. During the first 48 hours post-injection, lab personnel must care for animals and cages. Specific precautions and PPE requirements (gown, gloves, head cover, and shoe covers) as outlined in the BUA and AIF must be followed.

5. After 48 hours, lab personnel only will place mice in a clean cage and remove biohazard label from cage card. Dumping of bedding must be performed in a biosafety cabinet and disposed of as biohazardous waste in red bio-waste containers. Empty dirty cages must be decontaminated by lab personnel using 10% bleach for 30 minutes and removing excess bleach solution with paper towel prior to washing (autoclaving is not required).

6. Animals in clean cages will be put back in regular animal rooms by lab personnel and their cages treated as non-contaminated. LARC staff will then provide husbandry care of animals and cages.

7. Animal carcasses must be disposed of as pathological waste and be incinerated.

8. In the event of an accidental exposure to risk group 2 viral vectors, he/she must flush the exposed area with copious amounts of water for 15 minutes, and contact the Occupational Health Service Exposure Hotline (353-7842) immediately afterwards.

9. If using lentivirus, adenovirus or other risk group 2 viral vectors outside of a cage, place an absorbent pad on work surface(s) prior to starting work. Dispose of the pad as biohazardous waste. Used sharps must be placed in sharps container for disposal as biohazardous waste.

Biohazard label (ask LARC supervisors for labels)

Contact EH&S with questions about these procedures (Phone: 514-2824; Email: peili.zhu@ucsf.edu)