

# Patient-Derived Xenograft Core

## Animal Protocol Amendments to Receive PDX Mice

### Animal Welfare Acknowledgment

**To comply with animal welfare regulations, the attached document must be read in its entirety prior to signing the acknowledgment.**

In order to receive tumor-bearing PDX mice, your animal protocol must be amended using the instructions below or other, similar verbiage. This will allow the transfer of mice to the receiving PI ***after the two-week post-surgical follow-up period and removal of wound clips by the PDX Core.***

#### Section C

- Strain/Stock: add the strain of mice that will be transplanted if needed (SCID/Bg, NSG, etc.)
- Total Number Requested: should be inclusive of the mice you will be receiving from the PDX Core.
- C2: If possible/necessary for your experiment, the following should be added: Immunocompromised mice will be housed in autoclaved setups.

#### Section H

- H2: A statement needs to be added indicating that you will receive tumor-bearing PDX mice from the PDX core. Also describe the experimental purpose for these animals.
- H3: Adjust the total number of mice (see section C2) and add justification if necessary.

#### Section K

- K1: Transplantable Tumors: Primary human tumor samples obtained by biopsy or other surgical procedure were transplanted into immunocompromised host mice to create patient-derived xenograft (PDX) models by the PDX core.
- K2: Tumor size is monitored by visual inspection until the tumors reach a size of 1 cm. At that point, caliper measurements are made to ensure that tumor size does not exceed 1.5 cm. Body condition monitoring is done during each visual/caliper check. Mice with decreased body weight, hunched appearance, ruffled fur, bloating, rapid breathing, tumor ulcerations, or other conditions are either euthanized or put under veterinary supervision.  
Metastases may occur in PDX models, and these are monitored using the body condition monitoring noted above. Metastases in these models would mainly result in rapid breathing, bloating, and decreased body weight.



ADVANCED TECHNOLOGY CORES

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#### Section L

- Modify if any blood samples (or other fluids) are to be taken from PDX mice.

#### Section S

- S1: Criteria for early euthanasia would be tumor ulceration or tumors exceeding 1.5cm in diameter.

I have read the information and understand that is my responsibility to have an approved animal protocol with all the required information described above before receiving tumor-bearing PDX mice from the PDX core.

PI Name

PI Signature

Date

\*\*\*For unique studies that require the transfer of mice **before** the end of the two-week post-surgical follow-up period, ***the receiving PI must have staff who are trained and approved for post-surgical monitoring.*** Staff must be well trained to observe mice for pain, be able to repair damaged incisions, and remove wound clips. These requirements are in addition to the modifications above.

#### Section B

- B1: Experimenters must have the selection set to Yes for Pre-operative and Post-operative care.

#### Section R

- R14: Experimenters must be listed in this section.

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PI Name

PI Signature

Date