

## DELIVERABLES U54 YCCEH Animal Modeling Core

<b>Fee for Service</b>			
All costs are calculated based on reagent and labor cost to offer services. Recovered funds will feed directly back into the AMC to expand available services and access to users.			
<b>Service provided</b>	<b>Description</b>	<b>YCCEH Member</b>	<b>Non-Yale – Academic</b>
<b>Xenotransplantation*</b>			
MIS <sup>h/m</sup> TRG-6	Adult animal, non-engrafted	\$168	\$281
MIS <sup>h/m</sup> TRG-6	Litter, non-engrafted	\$720	\$1,202
MIS <sup>h/m</sup> TRG-6	Adult animal, CD34-engrafted	\$408	\$681
MIS <sup>h/m</sup> TRG-6	Litter (≥5 pups), CD34-engrafted	\$1,740	\$2,906
Per diem cage/day		\$2.15	\$4.30
Trimethopren Sulfatrim	Antibiotic chow: per cage change	\$1.25	\$2.50
<b>Services*</b>			
Injection	i.v., i.p., s.c. (per animal)	\$19	\$32
Injection	Intra-femoral (per animal)	\$50	\$84
Bone marrow aspiration	Per animal	\$50	\$84
Oral gavage	Per animal	\$13	\$22
Flow Cytometry	Mouse tissues (4-color, per tube)	\$25	\$42
Mouse Tissue Harvest	Per hour	\$95	\$159
Irradiation	Per animal (minimum of 5)	\$13	\$22
Irradiation	Per litter	\$95	\$159
Phlebotomy	Per animal	\$19	\$32
<b>Murine Stem Cell Transplantation</b>			
No fees will be charged for teaching.	Performance of services will be charged as above.		
* Mice will not be shipped to investigators. Experiments will be performed at Yale. Tissues can be shipped, paid by recipient. Mice for use at investigator's institution will have to be requested and purchased from Jackson laboratory.			

The humanized mouse and murine stem cell transplantation core will offer

- 1) experimental mice - (i) non-engrafted, (ii) engrafted with human CD34+ cells
- 2) experimental guidance and assistance at various levels, from training to full-service experiments.
- 3) obtaining hematopoietic cell populations of interest from hematopoietic tissues, such as fetal livers, bone marrow, and spleen
- 4) transplantation methodologies.
- 5) analysis of cellular function *in vitro* and *in vivo*.

The Core will offer to perform murine stem cell transplantations as a service in select cases, where training is not feasible.

The core will also provide 1) assistance in designing the experiments, 2) assistance in achieving IACUC approval, and 3) protocols.