

Beginning May 1st, 2025, all breeding and cull/euthanasia requests must be submitted to DLAM BCS through your Transnetyx Colony group followed by a confirmation email sent to DLAMBCS@mednet.ucla.edu simply stating that a request has been submitted. All other requests are submitted to DLAM BCS by email with clear instructions and sufficient details on the task(s) you request DLAM to perform in your mouse colony. PI Request Forms are no longer accepted. For details and instructions on how to submit your breeding and cull/euthanasia requests to DLAM BCS via Colony, follow the steps outlined below.

Transnetyx and UCLA DLAM will schedule training sessions for using the Colony Task Feature.

TRAINING MUST BE COMPLETED BEFORE THE UTILIZATION OF THE TASK FEATURE.

Utilizing Colony Task Feature to Communicate with DLAM

(including links to the Support Hub how-to guides):

1. [Requesting Euthanizations](#): Mark animals for cull within the Mice list or the Cage for DLAM to know exactly which animals to euthanize. ***DO NOT** mark mice as dead or euthanized.*
 - a. From the Mice list, locate and highlight the mice you want DLAM to euthanize.
 - b. From the 'Selected' menu (upper right), click 'Add/Remove Mice to/from Cull List'.

Dashboard / Mice

Search mice based on filters and visible columns...

FAST FILTERS CLEAR ALL FILTERS 5 SELECTED

Strain: C57Bl/6

Use	Strain	Sex	Age	DOB	Mouse ID	Genotype	Labels
♥	C57Bl/6	♀	22w	06/05/2023	99-7	C57Bl/6 WT	
☑	C57Bl/6	♀	9w	09/05/2023	C57-1	C57Bl/6 WT	
☑	C57Bl/6	♀	9w	09/05/2023	C57-2	C57Bl/6 WT	
☑	C57Bl/6	♀	9w	09/05/2023	C57-3	C57Bl/6 WT	
☑	C57Bl/6	♀	9w	09/05/2023	C57-4	C57Bl/6 WT	
☑	C57Bl/6	♀	9w	09/05/2023	C57-5	C57Bl/6 WT	
♥	C57Bl/6	♂	10w	09/01/2023	WT-10		Xenograft
👤	C57Bl/6	♂	10w	09/01/2023	WT-11		Xenograft
👤	C57Bl/6	♂	10w	09/01/2023	WT-12		Xenograft
👤	C57Bl/6	♂	10w	09/01/2023	WT-13		Xenograft

AM I

UNSELECT

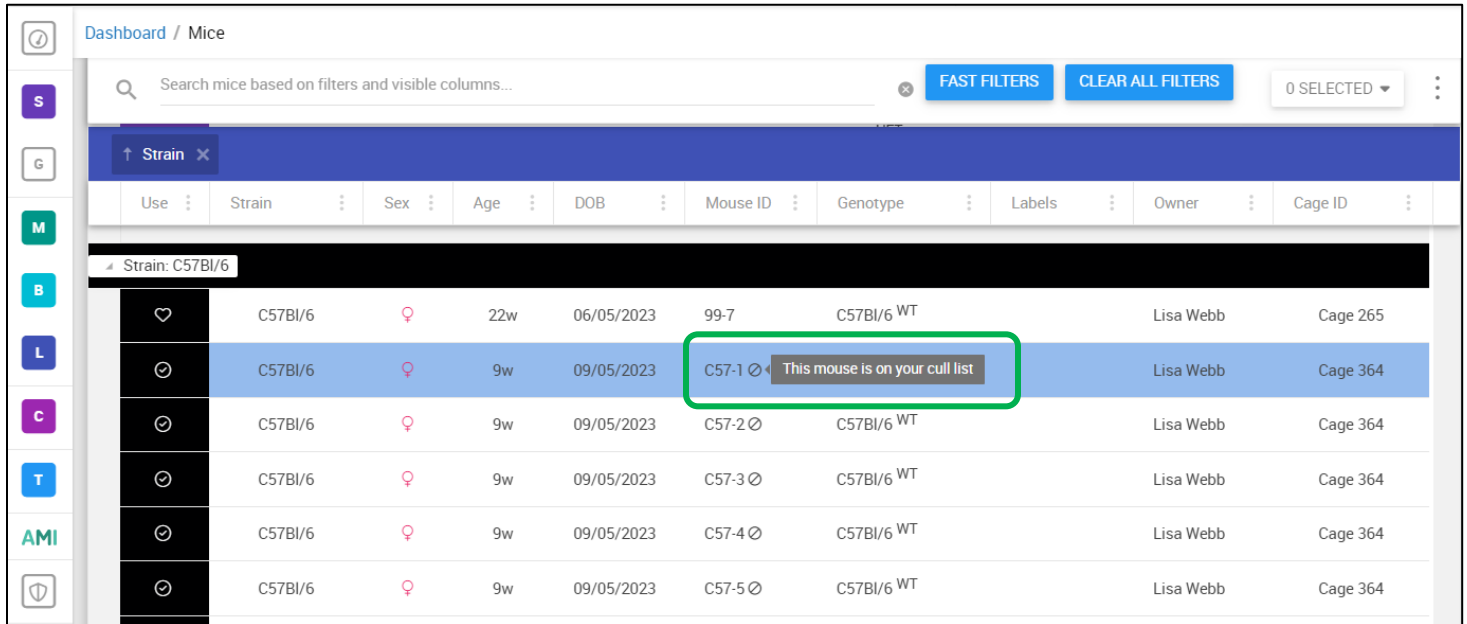
Right-hand menu options:

- Add To Breeding
- Edit
- Assign Owner
- Add Note
- Genotype
- Add Labels
- Change Strain
- Change Project
- Specify Use
- Add Generation
- Add/Remove Mice to/from Cull List
- Add Protocol Number
- Mark Dead
- Delete
- Transfer
- View Pedigree AM I

UCLA DLAM & Transnetyx Colony

Requests for Breeding and Euthanasia

- c. On the 'Add to Cull List' verification window, click 'Save' to add the mice to the cull list and trigger Colony to create the request on the Task Worklist for DLAM. Mice that have been successfully added to the cull list (but not yet euthanized and marked dead) will be noted with cull icon beside their ID in the Mice list.



Dashboard / Mice

Search mice based on filters and visible columns...

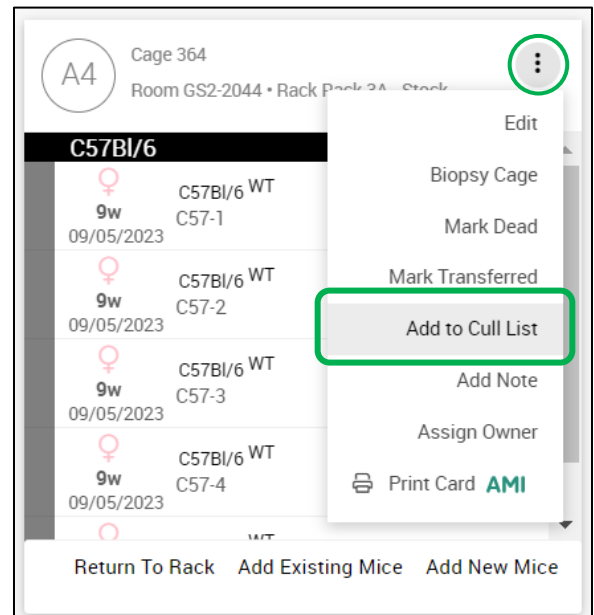
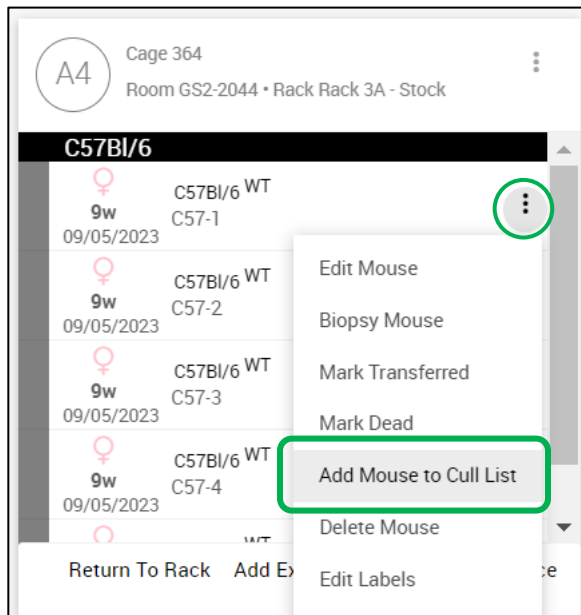
FAST FILTERS CLEAR ALL FILTERS 0 SELECTED

↑ Strain ×

Use	Strain	Sex	Age	DOB	Mouse ID	Genotype	Labels	Owner	Cage ID
Strain: C57Bl/6									
♥	C57Bl/6	♀	22w	06/05/2023	99-7	C57Bl/6 WT		Lisa Webb	Cage 265
⊙	C57Bl/6	♀	9w	09/05/2023	C57-1	C57Bl/6 WT		Lisa Webb	Cage 364
⊙	C57Bl/6	♀	9w	09/05/2023	C57-2	C57Bl/6 WT		Lisa Webb	Cage 364
⊙	C57Bl/6	♀	9w	09/05/2023	C57-3	C57Bl/6 WT		Lisa Webb	Cage 364
⊙	C57Bl/6	♀	9w	09/05/2023	C57-4	C57Bl/6 WT		Lisa Webb	Cage 364
⊙	C57Bl/6	♀	9w	09/05/2023	C57-5	C57Bl/6 WT		Lisa Webb	Cage 364

- d. From the Cage view, you can add individual mice within the cage to the cull list or add all mice in the cage to the cull list.

- i. To add individual mice within a cage to the cull list, click the 3-dot menu beside the mouse and select 'Add Mouse to Cull List'.



- ii. To add all mice within a cage to the cull list, click on the cage 3-dot menu at the upper right corner and select 'Add to Cull List'.

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2. [Requesting Breedings](#): Select mice you would like DLAM to setup as new breedings.
 - a. There are three ways to initiate a breeding request.
 - i. From the Mice list (preferred method), select the male and female(s) you want to mate and, from the 'Selected' menu, click 'Add to Breeding.'

The screenshot shows the 'Mice' dashboard with a table of mice. A context menu is open over the table, and the 'Add To Breeding' option is highlighted with a green box.

Use	Strain	Sex	Age...	DOB	Mouse ID	Genotype
⊙	Rosa-Ai14	♂	6w	09/26/2023	WT-15	ROSA-Tomato ^{HOM}
⊙	Rosa-Ai14	♂	6w	09/26/2023	WT-16	ROSA-Tomato ^{HET}
⊙	Rosa-Ai14	♀	6w	09/26/2023	WT-17	ROSA-Tomato ^{HET}
⊙	Rosa-Ai14	♀	6w	09/26/2023	WT-18	ROSA-Tomato ^{HET}
⊙	Rosa-Ai14	♀	6w	09/26/2023	WT-19	ROSA-Tomato ^{HET}
⊙	Rosa-Ai14	♀	6w	09/26/2023	WT-20	ROSA-Tomato ^{HOM}

- ii. From the Breeding list, click on the blue 'Create Breeding' in the upper right.

The screenshot shows the 'Breeding List' dashboard. The 'Create Breeding' button is highlighted with a green box.

Breedings 12 Active | 4 Requested | 68 Retired

Search by Breeding Name, Status, Offspring Strain, Mouse ID, or I

Sort By: Offspring Strain **12**, Status **12**, Breeding Name **12**, Active Date **12** | Status: Active, (+1) X | Collapse Groups

- iii. From the Dashboard, click on the "+" in the Breeding tile.



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- b. You will be directed to a Breeding setup wizard. Follow the steps as indicated. You can include additional details on the breeding such as breeding method or type by opening "Show Optional Details" to include these details.
- c. On part 2 of the breeding setup, verify the Offspring Strain is set correctly. By default, the Offspring Strain is set to the Parent strain. However, if both parents are different strains being used to produce a new cross strain, the Offspring Strain will need to be set to the new cross strain for genotyping ordering and assignment.

NOTE: New strains must be added to the group before breeding requests can be submitted. Email DLAM BCS with strain and mutation information needing to be added to the group BEFORE creating breeding requests.

1 Breeding Details

2 Litter Tasks

3 Activate/Request

Breeding Details

Name *

Breeding 80

Hide Optional Details ^

Breeding Method

Unknown

Breeding Type

Unknown

Requested By

Lisa Webb

Unknown

Purpose

Maintenance

Stock

Timed Mating

Parents & Strain

Offspring Strain *

ACE2 x NSG*

Add Breeding Parents

Note: You can only activate a breeding once parents are added.

Selected Parents

Use	Mouse ID	Genotype	Cage ID	Sex	Age	Strain	Project	
	118-4	-	Cage 374	♂	5w	ACE2 x NSG*	-	X
	118-6	-	Cage 375	♀	5w	ACE2 x NSG*	-	X
	118-5	-	Cage 375	♀	5w	ACE2 x NSG*	-	X

Cancel

Next

NOTE: If request initiated from the Dashboard or Breedings list, Parents need to be added before proceeding.

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- d. Litter Tasks will default to the Group or Strain Offspring Settings. If the breeding request is being made for Timed Matings, include this information as part of the request in the 'Instructions' field (see below). *** NOTE: If breeding requests are time sensitive, such as timed matings, you will also need to email DLAM so they are aware of the time sensitive nature.***

The screenshot shows a three-step process for creating a breeding request. Step 1, 'Breeding Details', is completed. Step 2, 'Litter Tasks', is the current step. It contains three main sections: 'Biopsy', 'ID', and 'Wean'. The 'Biopsy' section has a toggle switch turned on, a dropdown for 'Biopsy Method' set to 'Ear Punch', and a dropdown for 'Biopsy By Age (Days)' set to '14'. The 'ID' section has a toggle switch turned on, a dropdown for 'ID Method' set to 'Ear Notch', a dropdown for 'ID By Age (Days)' set to '14', radio buttons for 'ID First' (Male selected, Female unselected), and an 'Auto-serialize' toggle switch turned on with options 'By Strain' and 'By Group' (By Group selected). The 'Wean' section has a dropdown for 'Wean By Age (Days)' set to '21', a text field for 'Offspring Generation' with the placeholder 'Enter offspring generation', and a text area for 'Instructions' containing 'Timed mating for E18 embryo harvest'. A green box highlights the 'Instructions' field. At the bottom right, there are 'Previous' and 'Next' buttons, with 'Next' highlighted with a green border. A 'Cancel' link is at the bottom left. A progress bar at the top shows three steps: 1 (Breeding Details), 2 (Litter Tasks), and 3 (Activate/Request).

1 Breeding Details 2 Litter Tasks 3 Activate/Request

Biopsy ☒

Biopsy Method * Ear Punch

Biopsy By Age (Days) * 14

ID ☒

ID Method * Ear Notch

ID By Age (Days) * 14

ID First * ☒ Male ☐ Female

Auto-serialize ☒ ☐ By Strain ☒ By Group

Wean

Wean By Age (Days) * 21

Offspring Generation Enter offspring generation

Instructions Timed mating for E18 embryo harvest

35/4000

[Cancel](#) [Previous](#) [Next](#)

- e. Step 3 of Breeding setup is to select whether you are activating the breeding (mice have been physically moved into the same cage for breeding) or if you are requesting a breeding. *****DO NOT SELECT ACTIVATE BREEDING***** - Select 'Request a Breeding' and set the Requested Date to the date you want the breeding setup and activated by DLAM.
- For breedings to be set up as soon as possible, leave the Requested Date as the current date.
 - You can select the group user "Responsible for this breeding" to assign the task to someone specific or leave it unassigned for anyone in DLAM to complete.

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Requests for Breeding and Euthanasia

Create Breeding | Activate/Request
×

1
Breeding Details

2
Litter Tasks

3
Activate/Request

☐ Activate this breeding, select parents to pair or unselect to activate without pairing

Mouse ID	Genotype	Cage ID	Sex	Age	Add to Cage
118-5	-	Cage 375	♀	5w	<input checked="" type="checkbox"/>
118-6	-	Cage 375	♀	5w	<input checked="" type="checkbox"/>
118-4	-	Cage 374	♂	5w	<input checked="" type="checkbox"/>

Select the cage you want your mice moved into *

Active Date *

OR

☒ Request a breeding (a task will be generated)

Responsible for this Breeding

Requested Date *

[Cancel](#)

Previous
Request

- f. Select 'Request' to save the breeding information and trigger Colony to generate the request task for DLAM to see on the Task Worklist.

<input type="checkbox"/> Title	Action	Project	Strain	Status	Due Date	Assigned To	Created By
<input type="checkbox"/> Breeding Request: "Breeding 80" 🔗	Request Breeding ⓘ	-	ACE2 x NSG*	Pending	12/06/2023 ⚠️	Unassigned	System Generated

*** IMPORTANT *** - To ensure your request is processed in a timely manner, all breeding and euthanasia requests must be submitted through Colony and a confirmation email sent to DLAMBCS@mednet.ucla.edu simply stating that a request has been submitted in your Colony group. All other requests are submitted to DLAMBCS by email with clear instructions and sufficient details on the task(s) you request DLAM to perform in your mouse Colony. PI Request Form is no longer accepted.

Along with DLAM, your Transnetyx Team is here to help you every step of the way.

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