***In vivo* mouse experiment planning guidelines**

Shelly may have told you she wants you to do an in vivo mouse experiment, or you are trying to convince her to do an in vivo mouse experiment. Here are the necessary steps you need to follow to get this approved and to make sure this is something Shelly actually wants to do.

**Step #1:** Fill out the form below

**Step #2:** Bring this form to Lauren Jansen or Chris Hall (or whoever is in charge of the mice) and have them review it with you.

**Step #3:** Review this form with Shelly and have her agree that she is interested in doing the proposed experiments. Have her provide you with a timeline of when she thinks this should be done.

**Step #4:** Talk to Lauren Jansen (or whoever is in charge of the mice) about the next steps you need (AKA training, IACUC writing, when/how to get mice).

**Hypothesis:**

**Experimental procedure:**

What cells are you using?

What type of injections do you want to do?

How long will the experiments last?

Are you taking measurements throughout the experiment? If so please indicate them here.

Will you be dosing throughout the experiment? If so indicate what you are dosing, the dosage, and how you plan to dose. Please provide rationale if your dosing method is not standard for the field.

What is your endpoint?

What samples do you intend to collect at the end of the experiment?

Have people done these techniques before? Provide 2-3 references.

**What mouse model are you using?**

☐ BALB/c nu/nu from our colony

☐ NOD/SCID/NSG from the Lee lab

Have people in the field used this model for these experiments?

**Are these experiments already IACUC approved?**

**How many mice do you need to get statistical significance with this technique?** Indicate mice per test group, total mice needed, and how you calculated this number.

**Who will be doing the proposed experiment?** If you want to perform the experiment and you don’t know the techniques please indicate who will be helping you. Also indicate how you will be getting the training for this experiment. You can also have someone else do the experiment, just make sure they agree on this form.

☐ I would like to perform this experiment.

☐ This is my first time doing a mouse experiment.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ has agreed to help me with this technique.

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**When does this experiment need to be completed by?**