



PPL Standard Condition 18 Notification Form

Please use this form to notify the Animals in Science Regulation Unit (ASRU) of procedural-related adverse effects that have exceeded or are likely to exceed the severity limitations or controls described in the project licence. ASRU will use this information to determine whether any further action is required.

Do not use to report:

- adverse effects that are due to non-procedural issues;
- potential non-compliance (report by other means);
- issues without adverse welfare consequences.

If you are in doubt whether or not you need to fill in this form, please contact your assigned Inspector.

Please clearly title your document: '**ASRU_establishment name_PPL number_PPLh surname_date_sc18**' and send to your Inspector (e.g. using cjsm) with the subject heading 'PPL SC 18 Notification PPL [Number]

Establishment Licence name	University of Cambridge, The Anne McLaren Building
Establishment Licence number	X81BD37B1
Name of PPL holder	Brian Huntly
PPL number	PP3042348
Protocol no	07
Protocol title	Study of the impact of cell extrinsic factors on normal, pre-malignant and malignant haematopoiesis through transplantation (Mice)
Severity classification	Moderate

1. Date of incident	06/08/2021
2. Species	Mouse
3. Brief details of study and how the limits or constraints have been breached	The study involves generation of haematopoietic chimaeras using highly purified human haematopoietic stem cells. One mouse was found dead by AMB staff without having shown any previous signs of disease or discomfort. Mice on this study are visually inspected by members of our team on a regular basis and after irradiation are weighed twice weekly by members of AMB staff. No significant weight loss had been recorded for this animal. The reference weight at the time of irradiation (11/06/2021) was 38.4g and the weight at the last weighing time point (02/07/2021) was 37.8g. The proportion of mice that have been found dead after performing the same regulated procedures in the hands of our group is very low (4/1064 mice and therefore 0.4%). This animal had received a sub-lethal dose of irradiation, followed by IF injection of cells on the 15th of June 2021. The time of death (>7 weeks after irradiation) excludes any complications from irradiation. At the same time, the timing post injection (<8 weeks) precludes any human HSC effects, as we never see any evidence of these cells before at least 8 weeks post injection. No procedures had been performed to the animal since 15th of June 2021 (date of intrafemoral injection). No necropsy was performed as the animal was found dead and rigor mortis had set in.
4. Have you taken advice from the Named Animal Care and Welfare Officer/Named Veterinary Surgeon/others?	Yes. We have spoken to the staff in charge of the Cat2 room and the vet. They had not noticed anything unusual.
5. Cause of Problem, if known	Not known

6. Action that has been or will be taken <i>(For example, formulation of drug changed, supportive treatment given, study design modified). If no action needed, indicate why (for example, none required as study has been terminated and will not be repeated)</i>	We will continue to inspect these animals (along with AMB staff) at regular intervals. In the unlikely case this was to occur again, we will make sure that tissues are sent to the veterinary.
7. Reported by (name)	Nicole Mende
8. Date	06/08/2021

*****For official use*****

Inspector's comments and recommendations:

Comments and recommendations	No further information required.
Inspector name	John Marshall
Date	10/08/21