



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	18/07/22
2. Species	Mouse
3. Brief details of study and how the limits or constraints have been breached	The study involves the generation of haematopoietic chimaeras in immunodeficient NSG mice using highly purified human haematopoietic stem cells. One mouse was found dead by AMB staff (Megan Hales) without having shown any previous signs of disease or ill health. Mice on this study are visually inspected by AMB staff and members of our team on a regular basis. After irradiation, mice are weighed twice weekly by members of AMB staff for two weeks to monitor any weight loss following irradiation. No significant weight loss had been recorded for this animal. The reference weight at the time of irradiation (07/06/2021) was 23.9g and the weight at the last weighing time-point (21/06/2021) was 24.5g. This animal had received a sub-lethal dose of irradiation on the 7th of June followed by intravenous injection of normal human haematopoietic stem cells on the 8th of June 2021. The time of death (>5 weeks after irradiation) excludes any complications from irradiation. The proportion of mice that have been found dead after performing transplantation of human haematopoietic stem cells in the hands of our group is very low (6/1278 mice and therefore <0.5%).
4. Have you taken advice from the Named Animal Care and Welfare Officer/Named Veterinary Surgeon/others?	Yes, we have discussed this animal with the staff in charge of the holding room. They had not noticed anything unusual about the room or the mouse as an obvious cause of death. The animal technical who found the animals inspected the body and concluded that the mouse had no obvious reason for death found.

5. Cause of Problem, if known	We requested an autopsy to be performed although the body was not kept in a suitable condition where a post-mortem could be conducted. No obvious cause of death was reported by the animal technician who found the body.
6. Action that has been or will be taken (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)	We will continue to inspect these animals (along with AMB staff) at regular intervals. Based on the information above and our previous experience with these experiments, this mouse has died from reasons unrelated to any experimental procedure or study related biological complications.
7. Reported by (name)	Carys Johnson
8. Date	20/07/2022

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

Inspector's comments and recommendations:

Comments and recommendations	
Inspector name	
Date	