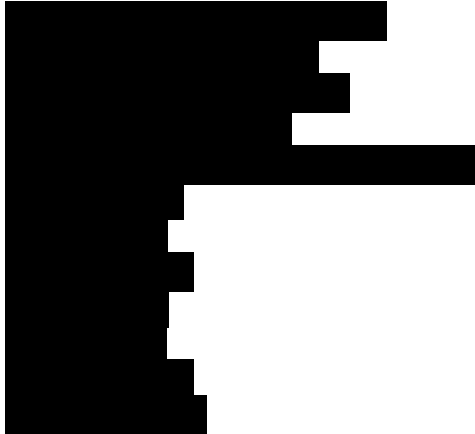


**3Rs subgroup for the  
ANIMAL WELFARE AND ETHICAL REVIEW BODY**

**Minutes of the meeting held on 8 March 2023**

Present:



Apologies:



**1. Minutes**

*Agreed:* That the minutes of the meeting held on 7 December 2022 were approved.

**2. Retrospective reviews of Project Licences requiring licence holder attendance at meeting**

**2.1. [REDACTED], Maternal fasting and offspring health**

*Considered:* A completed Retrospective review form and presentation

*Interviewed:* [REDACTED]

- Discussed:*
- The committee thought the shortened period of fasting needs to be disseminated so that other researchers can consider using the method. The Project Licence holder explained that only one other group, who they collaborate with, use the method, but it will be included in future publications.
  - The sensitive nature of the work was discussed along with how the Muslim community are being engaged. A local Imam has met with the Project Licence holder and is open to any scientific advice coming from the studies. The Project Licence holder explained that the work is still in the pre-clinical stages and it is too soon to extrapolate the work to humans. More studies are needed in animals and humans before the results could be disseminated to the Muslim community.
  - Some of the work that was started for Protocol 3 but not completed could be part of a future study as the tissues are still in the freezer. The available tissue may be suitable for an undergraduate project.

**2.2. [REDACTED], Regulation of inflammation in wound repair**

*Considered:* A completed Retrospective review form and presentation

*Interviewed:* [REDACTED]

- Discussed:*
- Wound healing might be a component of a lot of in vivo studies therefore dissemination of the effects of ageing could be beneficial for other researchers.
  - Protocol 1, breeding and maintenance, was not required as the BSF licence was used.
  - The use of male only mice was discussed. The only reason females were not used is that males are larger and wounds can be larger. Another student in the group has used both sexes.
  - The researchers explained how they could include 'negative' data in papers alongside other results so that the information from those studies is disseminated.
  - The Chair said that the use of registered reports may be a good way to include all data from studies regardless if they are 'negative' or not.

**3. Mid-term reviews of Project Licences not requiring licence holder attendance at meeting**

**3.1. [REDACTED], Evaluation of developmental and therapeutic potential for preimplantation embryos and embryonic stem cells**

*Considered:* A completed mid-term review form

- Discussed:*
- The Licence does not mention diabetes so IM will follow-up with the researcher to check how they induced this.

*Outcome:* The subgroup supported continued work on this licence.

**3.2. [REDACTED], Mechanistic insight into, and assessment of novel therapies for, preeclampsia and fetal growth restriction**

*Considered:* A completed mid-term review form

- Discussed:*
- The committee noted the similarity of the work to that of [REDACTED] and wondered if there was scope for the two groups to share ideas.

*Outcome:* The subgroup supported continued work on this licence.

**3.3. [REDACTED], The long-term effects of developmental hypoxia on cardiac function**

*Considered:* A completed mid-term review form

- Discussed:*
- This licence uses rats rather than mice in the licence in item 3.2.
  - The potential for the use of the surplus animals was discussed and tissue sharing across BSF users. More information was requested on the background of the tissue being offered for sharing as this may increase the uptake on people accepting surplus tissue.

*Outcome:* The subgroup supported continued work on this licence.

**3.4. [REDACTED], Melanoma formation, immune responses and evaluating novel therapeutic approaches and agents**

*Considered:* A completed mid-term review form

*Discussed:* • ARRIVE checklists were discussed and how compliance with completing them could be increased.

*Outcome:* The subgroup supported continued work on this licence.

**4. Update on Mid-term reviews considered previously**

**4.1. [REDACTED], Fish Physiology in an Era of Climate Change**

*Considered:* A completed mid-term review form with responses to the reviewer comments/advice.

*Discussed:* • No further comments in response to the points addressed by the researcher.

*Outcome:* The subgroup supported continued work on this licence.

**4.2. [REDACTED], Zebrafish models for investigating cancer formation and progression, immune responses and immunotherapy**

*Considered:* A completed mid-term review form with responses to the reviewer comments/advice.

*Discussed:* • No further comments in response to the points addressed by the researcher.

*Outcome:* The subgroup supported continued work on this licence.

**4.3. [REDACTED], Defining immunoregulation during parasitic helminth infection**

*Considered:* A completed mid-term review form with responses to the reviewer comments/advice.

*Discussed:* • No further comments in response to the points addressed by the researcher.

*Outcome:* The subgroup supported continued work on this licence.

**4.4. [REDACTED], Cardiac Conduction System in Health and Disease**

*Considered:* A completed mid-term review form with responses to the reviewer comments/advice.

*Discussed:* • No further comments in response to the points addressed by the researcher.

*Outcome:* The subgroup supported continued work on this licence.

**5. Any other business**

**5.1. June 3Rs meeting**

The meeting will have to be rescheduled as there is now a clash with a 3Rs symposium. NC3Rs will be coming to talk about a new scheme.

5.2.

[REDACTED]

[REDACTED] has received money from NC3Rs to film modules to use for dissemination for other researchers and will be working on this in April.

5.3.

[REDACTED]

[REDACTED] is leaving the University. The Chair thanked him for his work in this group.

5.4.

[REDACTED]

[REDACTED] is going on maternity leave and has arranged for [REDACTED] from [REDACTED] lab to cover.