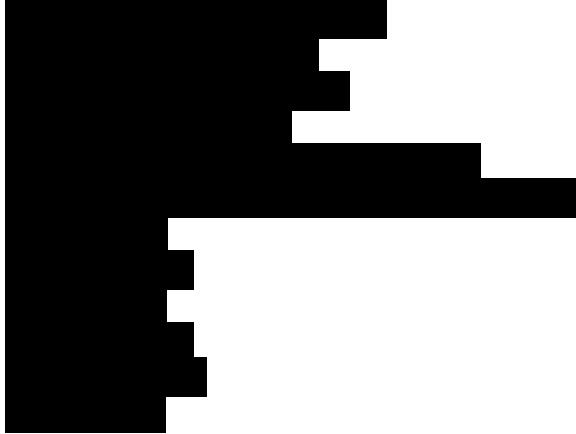


**3Rs subgroup for the
ANIMAL WELFARE AND ETHICAL REVIEW BODY**

Minutes of the meeting held on 14 June 2023

Present:



Apologies:



1. Minutes

Agreed: That the minutes of the meeting held on 8 March 2023 were approved.

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

2.1. [REDACTED], Regulation of Glomerular Barrier Function in Health and Disease

Considered: A completed Retrospective review form and presentation

Interviewed: [REDACTED]

- Discussed:*
- The subgroup congratulated the licence holder on a productive and successful licence, including the 3Rs achievements.
 - The licence holder discussed how they disseminate their models.
 - With regards the kidney organoids model, they are not the inventors but developed it after collaborating with others, and the model it now run independently at the university. A detailed protocol is being developed for publication so that others can follow it.
 - The percentage of zebrafish found dead on the licence, for those on a breeding protocol as well as after intervention, was discussed and that this will be monitored in the new licence.
 - The challenges of CRISPR were discussed and how a similar technique for use in zebrafish may be possible in zebrafish.
 - The subgroup noted that the number of animals requested for use was missing from the table, and also some protocols. This information will be requested from the licence holder.

2.2. [REDACTED], Understanding the role of inflammation in dementia

Considered: A completed Retrospective review form and presentation

Interviewed: [REDACTED]

- Discussed:*
- The work on this licence was supported by a considerable amount of cell and patient work, meaning that the number of animals used was less than that requested for use.
 - Collaboration took place with another licence holder which led to interesting work which they hope to see if it can be translated to humans. The key with dementia in humans is to diagnose it early.
 - The number of animals used was also reduced by the use of repeated behavioural tests. The battery of behavioural tests can also be used at different ages in the animals if they are spaced apart enough.
 - All animals derived from breeding were able to be used on the licence and brains from them all were collected.
 - Tissues were shared with a group at another university who were then provided with the genotyping information once they had done the analyses.

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

3.1. [REDACTED], Use of genetically modified biological assemblies to generate improved vaccines

Considered: A completed mid-term review form

Discussed:

- The group did not have any questions for the licence holder.

Outcome: The subgroup supported continued work on this licence.

3.2. [REDACTED], Type 2 immunity in infection and maintenance of tissue health

Considered: A completed mid-term review form

Discussed:

- The group thought the use of chimeras on this licence was interesting and the Chair will speak with the licence holder to learn about this.
- The group did not have any other questions for the licence holder.

Outcome: The subgroup supported continued work on this licence.

4. Update on mid-term review of Project Licences considered at a previous meeting

4.1. [REDACTED], P44492AC9, Type 2 inflammation in health and disease

Considered: An updated mid-term review form in response to the groups' questions.

Discussed:

- The group were happy with the responses from the licence holder.
- A discussion took place not specifically regarding this licence on the use of oral gavage and when this technique can be replaced and when it is required, for example, the accurate dosing of a bacterial infection.

Outcome: The subgroup supported continued work on this licence.

5. 3Rs symposium

The 3Rs symposium was very successful, especially the poster session. The Chair has asked for any spare posters which will be displayed around the animal unit.

6. EARA

The submission for the Be Open about Animal Research Day (BOARD), co-ordinated by EARA, has happened, with the event taking place on 15 June.

<https://tinyurl.com/UoMEnrichment2023>

7. [REDACTED]

A discussion took place about who could replace [REDACTED] on the 3Rs subgroup. The Chair will consider this along with colleagues in the animal facility.