

**THE UNIVERSITY OF MANCHESTER**  
**ANIMAL WELFARE AND ETHICAL REVIEW BODY**

**Thursday, 14<sup>th</sup> December 2017**

*Present:*

[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]

*By invitation:*

[REDACTED]  
[REDACTED]

*Apologies:*

[REDACTED]  
[REDACTED]

*In attendance:*

[REDACTED]

Before the commencement of business the Chair welcomes [REDACTED], attending as NVS, and [REDACTED], recently appointed as a Training and competency officer, to their first meeting.

**1. Minutes**

*Confirmed:* The minutes of the meeting held on 1<sup>st</sup> November 2017,

**2. Matters arising**

2.1 [REDACTED], *Novel Vitrectomy cutter Project: Phase II Animal Surgery Study*

*Reported:* That [REDACTED], after discussion with the BSF team, had submitted a revised AWERB1 form, which had been reviewed and recommended for approval by the BSF team and (for the NTS) by [REDACTED]. The Chair had endorsed this approval.

2.2 [REDACTED], *Understanding inflammation in dementia*

*Reported:* That [REDACTED] had submitted a revised application, which was reviewed and recommended for approval by the BSF team. The Chair had endorsed this approval.

**3. North West Regional AWERB Hub**

*Reported:* That a hub meeting would take place on 15<sup>th</sup> November at the Alderley Park site. And had been attended by [REDACTED] and [REDACTED]. The programme included:

- The move of CRUK MI to Alderley Park
- A presentation by [REDACTED] on self-assessment tool for Universities to assess how they were advancing the 3Rs.
- A presentation by [REDACTED] [REDACTED] on alternative methods of Schedule one euthanasia for fish. These were considered to be more humane, but awaited Home Office sanction before they could be used.
- A discussion on joint working by the three AWERBs that responsibilities on the Alderley Park site.

*Agreed:* Although there were areas where co-operation would be helpful, each AWERB had responsibilities which would be difficult to share.

*Noted:* That the next meeting would be held in Manchester.

#### 4. Report from the NC3Rs Regional Programme Manager

The NC3Rs Regional Programme Manager reported that:

- Her contract had been extended by 12 months
- There would be an NC3Rs meeting on 23 March in London on cardiovascular research. This would include a showcase and workshop on NC3R projects to promote the 3 Rs.

#### 5. Arrangements for processing AWERB applications

*Reported:* That a SharePoint 'Library' for AWERB applications has been created and AWERB members made users. The system would shortly be tested and then introduced.

#### 6. Report on licences processed 12.10.17 to 01.12.17

*Reported:* (a) That the following amendments to project licences had been approved by the executive group:

[REDACTED]	<i>Glucocorticoids and stress in the development of diabetes and obesity</i>
[REDACTED]	<i>The long-term effects of prenatal hypoxia on cardiomyocyte function</i>
[REDACTED] [REDACTED]	<i>Preclinical evaluation of cancer therapies</i>

(b) Amendments to [REDACTED], *Generation, breeding and maintenance of genetically altered rodents:*

[REDACTED] *To generate a PrlhP193S mouse line using CRISPR*

██████████

To produce a C57BL/6J.Gfra2<sup>Em1Uman</sup> (Gfra2 flox) mouse line

(c) Amendments to ██████████, breeding and maintenance of genetically altered rodents:

None

(d) Amendments to ██████████, Generation and, breeding of genetically altered rodents:

██████████

Creation of Eif1ax<sup>tm1(G6D0RM)</sup> mouse line using CRISPR

(e) Applications for secondary availability for imaging purposes

None

(f) That for Personal Licences there were 24 new licences, 1 amendment, 9 surrendered and 0 renewed.

## 7. Application for new Research Project Licence

7.1 ██████████: Regulation of Glomerular barrier function in health and disease.

*Considered:* A completed AWERB1 form, with written comments by the NVS, NACWO and NTCO, and NTS.

*Interviewed:* ██████████

*Noted:*

- (1) That ██████████ gave a slide presentation on the project and its objectives
- (2) Much was already known about the physiological process; the focus of this project was on the molecular process
- (3) It was agreed that creatinine was not an ideal marker but the alternatives were less reliable.

*Resolved:* To recommend approval, subject to the following revisions:

- (1) Reconciling the numbers specified in the AWERB1 form and the PPL application.
- (2) Adding the 'Experimental and Statistical considerations' section of the AWERB1 form to the PPL introduction as this is a significant factor in the project.
- (3) Emphasis that the use of zebra fish will lead to both reduction and replacement.

(4) It was suggested that in the NTS some of the technical terms could be explained and that the molecular emphasis could be conveyed more clearly.

## **8. Discussions arising from project review**

### **8.1 Slide presentation**

- Agreed:*
- (a) That the method of presentation by slides was helpful in principle but it was important to give researchers guidance on its structure so that the emphasis was on the ethical issues rather than the science.
  - (b) To draft a guide on the structure of a presentation.

### **8.2 Statistics sign off**

*Reported* [REDACTED] had noted that that the statistical design which appeared on the AWERB1 form sometimes differed from what he had seen and sign off on the AWERB1 form. His signature, therefore, was no more than an acknowledgment that he had seen an early version of the research design and statistics and that at meetings he had had to raise new issues.

*Agreed:* That a sign off must mean that [REDACTED] had seen and approved the final version of the research design which was presented to AWERB.

### **8.3 AWERB form and Home Office PPL form**

*Noted:* That seeing the Home Office PPL form was helpful but it was evident that the two forms sometimes provided contradictory information.

*Agreed:* That if the AWERB1 form was to continue it was essential that there should be no variation in the information provided to AWERB and to the Home Office.

An alternative to consider would be to drop the AWERB form and circulate the PPL form (locked at that point) and to circulate the latter together with a comments and sign-off sheet.

## **9. Next meeting**

The next meeting will be on held on Thursday, 8 February 2018, [REDACTED]

## **10. Retirement of [REDACTED]**

This was the last meeting before [REDACTED] retired as Secretary of AWERB. The Chairman and AWERB members thanks him for the help he had given to AWERB and its predecessor since its establishment in 1999.