THE UNIVERSITY OF MANCHESTER

ANIMAL WELFARE AND ETHICAL REVIEW BODY

Thursday, 2nd June 2016

1. Minutes

Confirmed: The minutes of the meeting held on 5th February 2016.

2. Matters arising

2.1 *Genetic Analysis of Tumour Development* (*actum* 4.1)

Reported: The reviewers confirmed that the applicant had made revisions to the NTS which satisfied the concerns of AWERB and her proposal was approved.

2.2 *Studies on Small Animal Models of Heart Disease* (actum 5.4)

Reported: That the applicant had corrected the publication list attributed to the project and **her report had been approved.**

3. **Report on licences processed** 01.02.16 to 20.05.16

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

70/7435	Cell Therapy of Muscular Dystrophies.
70/8768	The Role of Circadian Clocks in Immunity.
40/3687	Development & Optimisation of Infection Models
70/8252	Development of Personalised Anti-Cancer Strategies
40/3684	The Impact of Co-Morbidities on Alzheimer's Disease
40/3617	Cerebral Ischaemia & the Impact of Co-Morbidity
40/3587	The Role of the Circadian Clock in Chronic Inflammation
70/8858	Generation, Breeding & Maintenance of Genetically Altered Rodents
70/8019	Metabolic Regulation in Health & Disease
40/3550	Modelling Human Urinary Tract Malformations
70/8504	Pregnancy Complications: Targeted Interventions
70/7843	Prefrontal-Hippocampal Function
70/8571	Proteolytic Cleavage of the LDL Receptor

(b) Amendments to 40/3409, Generation, breeding and maintenance of genetically altered animals:

To Make a BMAL1-Venus Fusion Reporter Mouse Using CRISPR-Cas9-Mediated Gene Editing.
Generating KOs for Chil3 & Chil4 Function
The Roles of Pontin in the Heart During Normal Cardiac Development & Pathology
To make a Floxed Mouse to Discover MTDH Functions in Health & Disease
To Produce a MicroRNA-455 KO Mouse to Analyse Cartilage Homeostasis & Osteoarthritis
To Make a FAM38A Point Mutation Mouse Using CRISPR/Cas9
To Generate Heterozygote Floxed Orai1 Mice (Through CRISPR
To Generate CA-PKCalpha Mice

(c) Amendments to 40/3619, Creation, breeding and maintenance of genetically altered rodents:

To Generate Cre-Inducible ^{Q209L} GNAQ Mice (through CRISPR)
To Generate Cre-Inducible ^{Q209L} GNA11 Mice (through CRISPR)
To Determine the Role of MOZ in Development, Haematopoiesis & Leukaemogenesis
To Create a Gfi1 Knock-In Mouse Using CRISPR
To Create PSNA (RUNX1 Prox:RFP Dis:GFP) Mice

(c) That for Personal Licences there were 38 new licences, 7 amendments, 141 surrendered and 0 renewed.

4. **Application for new Project Licence**

4.1 *Preclinical Evaluation of Cancer Therapeutics*

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

Interviewed:

Noted: (a) One of the research team attended in the place of the applicant who was unable to be present.
(b) This was an application for the continuation of an existing licence, originally held by another member of the research team who had left the company. The applicant had taken on the project licence while a new person was being trained
(c) The person speaking for the applicant explained that the company was testing, in the case of this licence, the efficacy of potential drugs for cancer. There were generally about two contracts per month and in 99% of cases the substance had already been tested in another animal elsewhere.
(d) In answer to questions about their publication policy the researcher stated that that the company always encouraged clients to publish - as a service industry the data belonged to the client - within the constraints of commercial confidentiality. They made podium and poster presentations and there had

been one publication from the existing licence. Their other project licences had tended to produce more publications.

(e) A number of technical terms in the NTS were explained

Resolved: To recommend approval, subject to corrections arising from (e) above.

5. Application for Category C work

Determine a cellular basis for myocardial depression in sepsis

Resolved: To approve the application

6. Research Project for Review

6.1 *Gene Transfer within the Cardiovascular System*

Considered: A completed AWERB Rev form, with written comments by the NVS, NACWO and NTCO,

Noted:
(a) the applicant's application had been submitted to the February meeting of AWERB, but no conclusion had been reached because it appeared at that time that work would not continue because of lack of funds.
(b) Just after the last meeting funding had been secured and the applicant submitted a revised report.
(c) As the work under the licence had produced negative results the research had taken a new direction, but without changing the protocols approved by the Home Office.

Resolved: To approve the report and recommend continuation of the project.

7. Review of Education Licence.

Considered: A completed AWERB Rev form, with written comments by the NVS, NACWO and NTCO and a curriculum synopsis.

Interviewed:

Noted:
(a) That the course was a compulsory element of the Pharmacology honours degree; it was believed that only one other University offered it in this mode. It was also available as an option for a joint honours degree and a Masters in Neuroscience.

(b) The course was popular with students and was attractive to applicants for the degree.

(c) In answer to questions, the applicant stated:

- Students were assessed on two lab reports; a failure would require a repeat of the report but not of the animal experimentation.
- Training in attitude and empathy was an important element in the course.
- That there was emphasis on asepsis because the number of students involved meant that conditions were not always ideal.

Resolved: To recommend approval of the report and continuation of the course.

8. Future of mouse colony

Reported: That the University had, for 16 months, been holding a mouse colony left by a researcher, who was no longer in post and was working in another country. The researcher had now requested that the colony be sent to him, at the University's expense. It was felt that this was not a justifiable expense and the Home Office had agreed that, in the circumstances, the colony could be culled.

Agreed: To endorse this opinion.

9. Allegation of work being undertaken outside Home Office licence.

Reported: That an initial investigation had led to the commencement of a disciplinary process. Meanwhile information had been shared with the Home Office and all work under the licence ceased. A report would go to the Home Office at the end of the process.

10. Date of next meeting

Wednesday, 27th July 2016 at 11.00 am