University of Cambridge
Animals (Scientific Procedures) Act 1986
Animal Welfare & Ethical Review Body

Standing Committee

Un-confirmed minutes of the AWERB Standing Committee held at 2pm on Monday 19 January 2015.

Present:

1. Apologies for absence
   Apologies were received from [Redacted].

2. The Unconfirmed Minutes of the meeting held on 15 December 2014 were confirmed, following some minor corrections.

3. Matters arising from the minutes
   [Redacted] raised under section 2 of the previous minutes, the role of the NVS and NACWO prior to the project licence being submitted to AWERB. [Redacted] confirmed both the NVS & NACWO have given approval for the licence application to be submitted to AWERB prior to the meeting and comment on it beforehand.

   [Redacted] noted under section 6 of the December minutes in relation to the [Redacted] licence application and the discussed endpoints, comments were also circulated to the Committee.

   [Redacted] suggested in relation to the Committee members when considering licence applications, it may be good practice to allow them access to the facility where the work would be carried out. [Redacted] to discuss with [Redacted] to arrange.

   Under section 5, [Redacted] had received the information from [Redacted] and would be looking towards writing a paper via the NC3Rs.

4. Correspondence
   Nothing to report.

5. New Project Licence Application – [Redacted]
   The Committee were made aware the previous project licence had now expired in November 2014 with the retrospective review only recently received by the Committee. [Redacted] noted she was aware of the response from [Redacted] on the retrospective review document and suggested it was due to an administration error within Group C. The Committee took a moment to look over the document.

   [Redacted] introduced the licence application and indicated it was well written. The Committee discussed the following with the applicant;
Retrospective Review:
- Clarification of numbers used
- Clarification on containment, should be level 2

New Application:
- Clarification on the use of neonates
- Sub-cutaneous tumours and how they are monitored
- Sources of funding
- Pilot studies and the obligatory step
- Adverse effects in relation to neonatal surgery & breeding

The Committee requested clarification of the applicants attendance at Quinnenial training. It was noted the applicant is also seeking secondary availability within the Cambridge Institute (CRUK).

[Redacted] to discuss the various wording changes, in particular the adverse effects section with the applicant. The Committee agreed the licence application could be forwarded to the Home Office for approval following this.

6. Any Other Business

[Redacted] raised the issue of surgery areas and technicians. It was noted CBS & BRC currently have their own specific surgery technicians who are University of Cambridge staff. [Redacted] was contacted by a PPL holder on the 23/12 to request the use of the surgical area on the 29/12. [Redacted] acknowledged it wasn’t a normal working day to which the PPL holder indicated they would bring in another individual who was equally as qualified, but didn’t hold a PIL. [Redacted] clarified with the PPL holder this was not acceptable, to which the individual indicated this was stopping data being taken and used in a paper. [Redacted] acknowledged in going forward a group should be arranged to confirm University policy on this one.

[Redacted] made it clear when a researcher states the risk is to their own PIL, the Vice Chancellor has confirmed this is not acceptable and this is the University line on this.

[Redacted] provided a partial update on the recent ongoing restructuring etc. from the Governance Review. [Redacted] confirmed a paper had been drawn up to elaborate on how the process will move forward and would be forwarded to the main oversight group on the 23 January 2015. [Redacted] noted there would be four groups to look at the changes with the Implementation Oversight Group having overall foresight. [Redacted] clarified there is around 150 people involved in the restructuring process, with UBSS changing to Biomedical Services. HR will be involved in this process as the 150 employees will be employed by Biomedical Resources and come directly under the Vice-Chancellor.

[Redacted] spoke on the forthcoming Accumulative Severity Seminar and the recent PPL annual returns. [Redacted] would produce information to circulate to the Committee. The Committee agreed the HO should clarify the returns and they would seek clarification from [Redacted].

The Committee agreed to carry on the attendance of the facility NACWOs at the AWERB meeting. However they would be invited when the licence application related to their facility only.
10. **Date of next meeting**
   The next meeting will be held on Monday 16 February 2015.

Signed ........................................ Chairman        Date .................................
Standing Committee

Un-confirmed minutes of the AWERB Standing Committee Sub Group held at 10am on Monday 2nd February 2015,

Present:

1. Project Licence Application re-submission: [redacted] queried the purpose of [redacted] restitting the Home Office Modules, as had not previously been involved with this licence application.
   The Committee noted the applicant was seeking additional availability with CI, of which they were not yet aware. Overall the Committee agreed this licence application was very well written.
   
   The Committee discussed the following:
   - Clarity sought on the definition of endpoints, specifically regarding weight loss
   - Control measures must be clearer
   - Clarification on the use of anaesthesia
   - Protocol 1(4) clarification sought as to why this procedural step was embedded into this particular protocol.
   - Current and future funding options.
   - Clarification on the use of Phenol Barbitone.
   - Removal of wording in relation to in-vitro manipulation

   [Redacted] gave the Committee a summary of his current work and where this licence application fits, to give a better understanding of the scope of the work. The Committee were made aware of the new Post Doc who will be working under the licence and effectively managing it. [Redacted] indicated [Redacted] provided the Committee with an excellent explanation on reduction & refinement within his work.

   The Committee instructed [Redacted] to remove the additional availability for CI to assist in speeding up the current process and submit an amendment at a later stage.

   The Committee agreed to approve the licence application following input by [redacted] on the minor changes requested.

   [Redacted] sought clarification on adding surgery adverse effects to terminal procedures if not a high occurrence [redacted] suggested conflicting information with overall clarification needed by all.

2. Any Other Business
   None

9. Date of next meeting
   The next full AWERB meeting will be held on Monday 16 February 2015.
Standing Committee

Un-confirmed minutes of the AWERB Standing Committee held at 2pm on Monday 16 February 2015.

Present:

1. Apologies for absence
   Apologies were received from [redacted]

   [redacted] welcomed the [redacted] as a new lay member of the AWERB Standing Committee. [redacted] is the Chaplain to all University of Cambridge Staff and has worked with [redacted] previously who invited him to sit on the Committee.

2. The Unconfirmed Minutes of the meeting held on 19 January 2015 were confirmed.

3. Matters arising from the minutes
   [redacted] noted the proposed visits of Committee members to various facilities mentioned in the previous minutes had yet to be arranged.
   
   The [redacted] noted a recent invite he received to the UAR talk on the Addenbrooke’s site and queried as to whether it was connected to the AWERB.

   The Committee confirmed all actions were ongoing.

4. Correspondence
   Nothing to report.

5. New Project Licence Application – [redacted]
   The Committee agreed more information was needed as to the work being carried out in the licence application. [redacted] noted the licence applicant was currently working under another PPL within Cambridge University.

   The Committee discussed the following with the applicant:
   
   - Clarification sought on the basic science in the application.
   - Decapitation – address the process this is used in and how it will be carried out.
   - Addition of the correct coding to allow non-anaesthesia & a new protocol.
   - The time points must be addressed in relation to the animals used and when they would go through Schedule 1.
   - Clarification on future funding for the whole 5 years of the licence.
The Committee noted this was a well written licence application and agreed the licence could be forwarded to the Home Office following some minor wording changes and an adjustment to Protocol 2. to contact with the changes requested by the Committee.

The Committee noted the current PPL was already in place at the Primary Establishment. The Committee were made aware certain parts of this work could not be carried out within the facilities here and could request changes be made if necessary to bring it up to the standards of the University of Cambridge. made it clear the Committee must confirm to the applicant only the rodent work would be approved within the licence.

The Committee discussed the following issues:
- Current containment level available within the University.
- Clarification sought as to the severity levels in Protocol 2.
- Justification needed as to why the work will be carried out in Protocol 3
- Clarification requested on the footpad injections within Protocol 4.
- Starting body weight, clarification under the weight loss protocol.
- Information sought on the current funding for this licence.
- Clarification sought on the proposed use of tail bleed under the licence.

The Committee clarified with the applicant the lack of resources regarding facilities to carry out work involving rats and guinea pigs. The Committee agreed the PPL holder should return to the AWERB Standing Committee following completion of 6 months’ work on the licence at Cambridge University.

7. **Any Other Business**
None

8. **Ongoing Actions**
- Committee facility visits to arrange
- PPL Applicant – , wording changes
- Proposed University Policy on surgery technicians
- Information to be distributed on the Accumulative Severity Seminar

10. **Date of next meeting**
The next meeting will be held on Monday 16 March 2015.

Signed ………………………………… Chairperson Date ………..
Standing Committee

Un-confirmed minutes of the AWERB Standing Committee Sub Group held at 10am on Monday 2nd March 2015.

Present: 

1. **New Project Licence Application**

   The Committee noted the well written licence application and lay summary. It was noted that [redacted] had carried out a lot of work on the adverse effects and taken steps to produce materials to show the positive outcomes.

   The Committee discussed the following:
   
   - Clarification sought on the specific refinements carried out on the previous licence.
   - Clarification on the techniques used and outcomes specifically in relation to the eye.
   - Possible use of the lay summary as a model for other PPL applicants
   - Clarification on the use of agents when using MRI

   The Committee agreed to approve the licence application

2. **Any Other Business**

   None

9. **Date of next meeting**

   The next full AWERB meeting will be held on Monday 16 March 2015.
University of Cambridge  
Animals (Scientific Procedures) Act 1986  
Animal Welfare & Ethical Review Body  

Standing Committee  

Un-confirmed minutes of the AWERB Standing Committee Sub Group held at 10am on Tuesday 7th April 2015,  

Present:  

[Redacted]  

Apologies:  

[Redacted]  

1. New Project Licence Application –  
   The Committee noted [Redacted] was in attendance from CRUK CI in respect of this licence application.  

   The Committee discussed the following:  
   Retrospective Review  
   - Clarification sought on the adverse effects including weight loss in using Tamoxifen.  
   - Clarification on the anaesthetic used  
   PPL Application  
   - Protocol 6, clarification needed on the issues surrounding mastitis and pancreatitis and how this will be managed  
   - More information sought on the imaging to be used in the licence  
   - Possible steps to be taken to reduce the numbers of animals used  
   - Protocol 5 – clarification on the aging mice, end points and adverse effects  
   - Clarification of the ‘tumour watch’ system in place  

   The Establishment Licence Holder [Redacted] acknowledged the comments on this application from the newly established AWERB 3Rs Committee. It was made clear any advances in the 3Rs especially the adverse effects section should be included in this meeting.  

   The Committee agreed to approve the licence application following receipt of any comments from CRUK CI and the requested changes to be made from the meeting today.  

2. New Project Licence Application –  
   The Committee discussed the Retrospective Review from the previous licence and requested clarification from the Named Information & Compliance Officer (not in attendance) as to why the list of Personal Licence holders were added.  

   The Committee discussed the following:  
   - Clarification sought on cell line resources and the availability to others  
   - Animal welfare and the refinements made up to this point.  
   - Clarification of the possible use of CRISPR technology  

   The Committee agreed to approve the licence application at this stage and forward to the Home Office for final approval.
3. **Any Other Business**
   None

9. **Date of next meeting**
   The next full AWERB meeting will be held on Monday 20 April 2015,
Standing Committee

Un-confirmed minutes of the AWERB Standing Committee held at 2pm on Monday 20 April 2015.

Present:

1. Apologies for absence
   Apologies were received from [redacted].

   [redacted] noted [redacted] and [redacted] (HOI) were in attendance.

   [redacted] indicated at this point, Working Group 3 is currently looking to appoint a new
   Chair for the AWERB Standing Committee.

2. The Unconfirmed Minutes of the meeting held on 16 February 2015 were confirmed.

3. The Unconfirmed Minutes of the sub groups held on 2 February & March 2015 were confirmed.

4. AWERB 3Rs Committee Minutes held on 2 March 2015 were reviewed by the Committee.

5. Matters arising from the minutes
   [redacted] noted the suggested facility visits in the previous minutes would be going
   ahead with any interested Committee members to contact [redacted] to arrange.

   [redacted] spoke on the current progress of the [redacted] licence. It was noted the PPL
   holder could not attend the May meeting to which [redacted] indicated the licence
   application must come through AWERB prior to the ASC meeting. The
   Committee agreed to accommodate the PPL holder and would invite him to
   attend the sub-group meeting in June if possible.

   The [redacted] requested some feedback on the questions he posed at the
   sub-group meeting on 2 March 2015. [redacted] to arrange.

   [redacted] discussed the aspects and role of the newly formed 3Rs Committee as the
   Governance Review proceeds. It was noted this Committee will only focus on
   the 3Rs sections within PPLs and not the whole licence. This will also cover the
   teaching and training of researchers throughout the University.

6. Correspondence
   Nothing to report.
7. **New Project Licence Application**

The Committee discussed the retrospective review and new licence application with the applicant.

Comments raised were:

- Clarification sought on the enhancements to the use of aseptic technique.
- Clarification on the awareness of supervision levels and ethical issues.
- Adverse effects shown when using imaging and aged animals.
- The use of CO2 under non-schedule 1 methods.
- More information sought on the findings from giving IP injections.
- Clarification on the need for tail tips for DNA testing.

The Committee noted the possible use of a water maze within this licence application and suggested refinements which could be looked at. Suggested this could be looked at in the 3Rs Committee.

The Committee agreed this licence application could now be forwarded to the Home Office for approval.

8. **New Project Licence Application**

The Committee noted the current PPL was already in place at the Primary Establishment. Indicated the Committee must understand what amount of work **[REDACTED]** would like to carry out within Cambridge University under Cat 2 as this may not be able to go ahead. It was noted the PPL holder had taken up a role within Cambridge University without having the facilities to carry out the research. Suggested escalating this up to UBSG.

The Committee agreed to discuss the licence with the applicant with a view to locating an area where the work could be carried out.

The Committee noted the following points:

- Addition of endpoints under Protocols 1 & 2
- Clarification on the aging and body condition control of the animals
- Clarification of the adverse effects of prions

The Committee agreed to approve the secondary availability request only if all aspects of the work are covered in the study plan and proposed accommodation is acceptable. To look at housing in Phenomics.

9. **Any Other Business**

None

10. **Ongoing Actions**

- Committee facility visits to arrange
- Proposed University Policy on surgery technicians

11. **Date of next meeting**

The next meeting will be held on Monday 22 June 2015.
Standing Committee

Un-confirmed minutes of the AWERB Standing Committee held at 2pm on Monday 18th May 2015.

Present: [Redacted]

1. Apologies for absence
Apologies were received from [Redacted].

2. The Unconfirmed Minutes of the meeting held on 20 April 2015
The minutes were confirmed.

3. The Unconfirmed Minutes of the Sub-Group (07/04/15)
The minutes were confirmed.

4. AWERB 3Rs Committee Minutes (01/04/2015)
[Redacted] provided a small overview of the 3R’s minutes.

5. Matters arising from the minutes
[Redacted] queried a section in the Sub Group minutes in relation to point 5 in sub-committee 3R’s meeting.

6. Correspondence
Nothing to report.

7. New Project Licence Application – [Redacted]
The Committee discussed the new licence application with the applicant.

   The Committee discussed the following issues:
   - Protocol 7, Intra-ocular injection and why this will be used.
   - The suitability of the temperature in the behavioural and sensory tests.
   - Issues surrounding the scientific validation were raised.
   - Possibility of the reduction of animal numbers
   - The suitability of Protocol 5

   The Committee agreed this licence application was acceptable with some minor adjustments.

8. New Project Licence Application – [Redacted]
The Committee noted that the PPL was well written and well-funded.

   The Committee discuss the following issues:
   - The use of irradiation.

   The Committee noted that as there are ongoing experiments the PPL needs to
be send through quickly after minor changes.

9. **Any Other Business**
   None

   **Date of Next Meeting**
   Monday 22 June 2015.
Standing Committee

Un-confirmed minutes of the AWERB Standing Committee Sub Group held at 10am on Monday 1st June 2015.

Present:

In attendance:

1. New Project Licence Application – The Committee noted with input from the HOI, that this new PPL when granted would be deemed severe by the Home Office and not mild as it is currently. [redacted] also confirmed no provision had been given to house this work in any of the new facilities currently in the pipeline.

The Committee discussed the following:
- Clarification as to why no alternative species can be used
- Clarification on the practical implications of the study
- Further information sought on the layout of the facility and the adequate caging
- Information on refinements of procedures and enrichment provided
- Clarification sought as to why the work is being carried out
- The Committee requested more information from the applicant on any future and current funding available
- Clarification on adverse effects and the numbers used
- The NTS section requires more information on refinement

The applicant provided a 10 minute presentation to the Committee providing an overview of the work being carried out. The Committee agreed [redacted] would liaise with [redacted] over the suggested changes to this application and would contact [redacted] following the meeting. It was agreed, [redacted] would confirm all funding at present and the Committee would review the PPL once approved within 2 years.

[redacted] raised the issue of provision for the continuation of this work and queried the stance of the University on this.

2. Any Other Business
   None

9. Date of next meeting
   Group B & C - Monday 22 June 2015, [redacted]
Unconfirmed minutes of the AWERB Standing Committee held at 2pm on Monday 22 June 2015.

Present:

1. Apologies for absence
   Apologies were received from [Redacted].

2. The Unconfirmed Minutes of the meeting held on 18 May 2015 were confirmed.

3. The Unconfirmed Minutes of the sub groups held on 1 June 2015 were confirmed.

4. AWERB 3Rs Committee Minutes held on 5 May and 1 June 2015 were reviewed by the Committee.

   The Named Information & Compliance Officer, [Redacted], noted that [Redacted] will be working on the Tamoxifen guidelines. [Redacted] noted that the Babraham Institute are also having issues with the Tamoxifen and were in the process of producing some guidelines. The Committee were made aware of the issues [Redacted] (NACWO for Phenomics) has when adding it to the diet. [Redacted] to raise this at AWERB NPC.

5. Matters arising from the minutes
   None

6. Correspondence
   Nothing to report.

   The Committee discussed the new licence application and the purpose of the work as this licence had already been granted at the Primary Establishment.

   The Committee discussed the following comments:
   - Clarification sought on the numbers and the analysis used e.g. Power Calculations.
   - Further information on what type of work/procedures will be carried out at the University, and the species used.
   - Clarification on the use of fin clip biopsy (25% of the tail fin).

   The Committee agreed this licence application could now be forwarded to the Home Office for approval.
8. **New Project Licence Application**

The Committee discussed the new application and purpose of the licence.

The Committee discussed the following comments:

- Clarification on whether a post-doc should hold the licence
- Clarification on food and water availability for animals with impaired movement
- Further information required on the statistical analysis used
- Clarification on the behavioural tests and techniques within the application.

The Committee agreed following further discussion, to approve the licence after the removal of aesthetic codes (AD) and inclusion of food in refinement section.

9. **Any Other Business**

raised a comment in relation to survey design and statistical analysis with both of these PPL applications and applications in general. She indicated the design and analysis were not specified making it extremely difficult to view how the work will progress. There is no satisfactory description of the data that will be collected, the appropriate tests that will be performed or the site of the samples.

10. **Date of next meeting**

The next meeting will be held on Monday 20 July 2015.
University of Cambridge
Animals (Scientific Procedures) Act 1986
Animal Welfare & Ethical Review Body

Standing Committee

Un-confirmed minutes of the AWERB Standing Committee held at 2pm on Monday 20 July 2015.

Present:

1. Apologies for absence
   Apologies were received from

   The Committee discussed the new AWERB chair.
   to attend sporadically to the meetings.

2. The Unconfirmed Minutes of the meeting held on 22 June 2015 were confirmed with a minor correction.

3. The Unconfirmed Minutes of AWERB 3Rs Committee held on 8 July 2015 were confirmed.
   noted that attended the meeting to discuss the possibility of technicians becoming involved with projects and how to set this up. Possibility of scientists mentoring and explaining process.
   to talk to to find out what direction the project is taking.

4. AWERB 3Rs Committee Minutes
   None

5. Correspondence
   None

6. New Project Licence Application –
   The Committee discussed the retrospective review
   Comments raised were:
   
   • Clarification sought on the endpoints for the Batten sheep
   • Clarification on the import of animals from Australia.
   • Clarification on the model being used.
   • More information on funding.
   • Retrospective review too short

   The Committee to collate further comments and provide to

7. New Project Licence Application –
   The Committee discussed the application.

   The Committee noted the following points:
   • Clarification needed on reduction/ refinement
   • Clarification on the severity level
- Clarification on behavioural testing
- Clarifications needed on the project plan and pilot studies
- More information on the use of CRISPA
- Clarification on the length of protocols

The Committee agreed with the application and to collate comments and provide to [redacted].

8. **Any Other Business**
   None

9. **Date of next meeting**
   The next meeting will be held on Monday 17 August 2015.

Signed .......................... Chairperson  Date .................................
University of Cambridge
Animals (Scientific Procedures) Act 1986
Animal Welfare & Ethical Review Body

Standing Committee
17th August 2015

Present: [redacted]

Apologies: [redacted]

The Committee introduced themselves round the table to [redacted] who was observing today and will be AWERB Chairman from October 1st 2015.

1. Unconfirmed minutes of the meeting held of 20 July 2015
The minutes were confirmed with minor changes.

2. AWERB 3Rs Committee Minutes (03/08/15)
[redacted] reported there was a discussion regarding [redacted] presentation and noted it was decided currently the system has limited use. A poster competition will be included in the Cam Tech Care newsletter for animal technicians. [redacted] mentioned the creation of a strain bank.

3. Matters arising from the minutes
None

4. Correspondence
None

5. New Project License Application- [redacted]
The committee discussed the application and noted that the licence is for secondary availability. It was confirmed that some of the work was done under CL2. Initially all the CL2 and animal breeding would be done at Babraham but in the future all the work would move to the University facilities. The Licensee was informed of the difficulty in moving animals between sites of different health status. Provision of pain relief and the routes of LPS and Influenza were confirmed. Adverse effects were discussed and the adverse effects associated with administration of substances and application of acetone confirmed. Statistics and experimental design were
discussed and the licensee clarified how he carried this out. For procedures that have not been
done recently by the licensee or his post-docs, how to gain training and competence was
discussed.

The licensee was asked to address the following;

- Attend refresher training.
- To forward the next version of the PPL to UBSS. This PPL will be circulated to the AWERB
  committee.
- To forward the adverse effects table as this had not been sent with the PPL submitted for
  ethical review
- To clarify the space needed for his work by contacting the facility manager
- To include the use of pilot studies in his project licence

The committee agreed to discuss the license further after a revised version is submitted.

mentioned is also involved with another PPL application and had asked if AWERB
could look at the application in parallel with the Home Office Inspector rather than after the HO
Inspector had commented. The committee decided this was not appropriate.

6. New Project License Application-

The committee discussed the application,

Comments raised were;

- Clarification on the use of several protocols
- Removal of tail tipping (protocol 2)
- Removal of use of Freunds Complete (FCA)
- Refinement of Protocol 1 procedure 1
- Suitability of the severity of one protocol

The committee agreed to collate further comments and provide to

7. New Project License Application-

The committee discussed the application and noted the application had already been to AWERB
once before,

Comments raised were;

- Clarification on the management of the license. The facility manager will also be contacted
  about this and he comments circulated to the AWERB committee.
- Clarification on statistics, animal numbers and experimental design. The licence will be
  reviewed by the statistician who attends the 3Rs committee and the licensee will also need
  to provide the information on animal numbers that was submitted to the British Heart
  Foundation in the grant application.
- Clarification on humane end points. The licensee was asked to collect images and videos
  of animals showing adverse effects so that this can be used to train staff working under
  this project in adverse effects and the relevant humane end points.
- Clarification on length of one protocol
- Annual Reviews
- Change the information on the PPL deputy to post doc. (p.5)
The committee agreed that the progress under this licence would be reviewed annually by
AWERB..

Date of next meeting

The next meeting will be held on Monday 21 September 2015.
1. Unconfirmed minutes of the meeting held of 17 August 2015
The minutes were confirmed.

2. AWERB 3Rs Committee Minutes (01/09/15)
reported there was a discussion regarding the project licence. is to meet with to discuss points raised during the 3Rs meeting. noted the possibility was raised of addressing specific issues within the 3Rs meetings which could generate best practice guides for the University asked for any suggestions from the Standing Committee.

3. Matters arising from the minutes
None

4. Correspondence
None

5. New Project Licence Application- The committee discussed the application and noted that the licence is for secondary availability due to the need for specific imaging equipment. The Licensee was informed of the difficulty in moving animals between facilities of different health status and the need to have a SOP for this. It was discussed that could be trained for particular techniques in 's facility.

The licensee was asked to address the following:
• To clarify the phrasing of one line.
• Complete study plans regarding general health monitoring to comply with current
guidelines
• To clarify the number of animals used
• To clarify who is responsible for the work
• To explain the care provisions for the mice if he is not available
The committee agreed to approve the licence.

6. Any other business
The committee discussed the project licence application process and the time allowances for
each step.

Date of next meeting
The next meeting will be held on Monday 19 October 2015,
University of Cambridge
Animals (Scientific Procedures) Act 1986
Animal Welfare & Ethical Review Body

Standing Committee

Un-confirmed minutes of the AWERB Standing Committee Sub Group held at 10am on Monday 5th October 2015.

Present:

1. Project Licence Application – The Committee discussed the application.

   The Committee discussed the following:
   - Clarification on the overall benefit of the work
   - Clarification of funding

   The Committee agreed to approve the licence application

2. Project Licence Application – The Committee discussed the application.

   The Committee discussed the following:
   - Clarification on the use of CRISPA technology
   - Clarification on humane end points
   - More information on funding
   - Explanation of animal numbers and experimental design

   The Committee expected to approve the licence application after consideration of the retrospective review, and the flow diagram to be made more legible.

3. Project Licence Application – The Committee noted the importance of the work and discussed the application.

   The Committee discussed the following:
   - Change the name of the HOLO
   - Clarification on humane end points
   - The possibility of reporting back to the committee in a year to review the progress

   The Committee agreed that there was more work to do on the licence, but it should be approved on the condition it is reviewed in one year.

4. Any Other Business
   None

9. Date of next meeting
   The next full AWERB meeting will be held on Monday 19th October 2015.
Standing Committee

Un-confirmed minutes of the AWERB Standing Committee Sub Group held at 10am on Friday 9th October 2015.

Present:

1. Project Licence Application –
   The Committee discussed the application.
   The Committee discussed the following:
   - Clarification on the rotation test
   - More information about the different pathways possible for the animals and their severity.
   - More information on possible doses
   The Committee agreed that changes should be made.

2. Project Licence Application –
   The Committee discussed the application.
   The Committee discussed the following:
   - Clarification on problems encountered with one phenotype
   - More information in the numbers of animals
   - The impact of moving animals
   The Committee agreed that changes should be made.

3. Any Other Business
   The committee discussed retrospective review (AWERB Standing committee on 5th October 2015.) The retrospective reviews showed good use of refinement and reduction and it was agreed that the application would be approved.

9. Date of next meeting
   The next full AWERB meeting will be held on Monday 19th October 2015.
1. Unconfirmed minutes of the meeting held of 21 September 2015
It was decided discussion of minutes should be saved for the November meeting due to time constraints.

2. AWERB 3Rs Committee Minutes (05/10/15)
It was decided discussion of minutes should be moved to the November meeting due to time constraints.

3. Matters arising from the minutes
None

4. Correspondence
None

5. Project Licence Application
The Committee discussed the application. Comments raised were:
- Status of PPL and PIL training
- Confirmation on the severity limit in breeding protocol
- Clarification of volumes of doses used in embryos.

The committee agreed the application would be approved after making changes.

6. Project Licence Application
The Committee discussed the application.
Comments raised were;
  • Clarification on the source of animals
  • Clarification of humane end points

The committee agreed the application would be approved once changes were made.

7. Project Licence Application-
The committee discussed the application.
Comments raised were;
  • Clarification on statistics and methods used
  • How many drugs are likely to be tested
  • Clarification on severity levels and possible adverse effects
  • Clarification on funding

The committee agreed the application would be approved once changes were made.

8. Project License Application-
The committee discussed the application.
Comments raised were;
  • Clarification on typical scenarios for the animals
  • Clarification on follow up on animals

The committee agreed the application would be approved once changes were made on the condition that a report is sent in a year to AWERB detailing progress.

9. Any other business
  noted Compliance Assurance meetings will be implemented for AWERB and the Establishment to address individual’s behaviour directly. These will consist of , a NVS or NACWO and the individual in question. The meetings will feedback to the AWERB committee in a formal report.

  noted a new edition of RSPCA guidelines has been released.

  circulated the paper discussed in the previous NPC meeting, and a news article for the committee’s information.

Date of next meeting
  The next meeting will be held on Monday 16 November 2015,
Date: Monday 02/11/15
Time: 10am
At:
Subject: AWERB Standing Committee Minutes

Present:

Apologies:

MINUTES

1. Correspondence
   None

2. Project Licence Application-
   The committee discussed the application and noted it was for secondary availability.
   The committee discussed the following:
   - Clarification on animal numbers
   - More information on adverse effects
   - More information on typical pathways
   - Clarification on funding
   - More information on transport and transfer of animals
   The committee agreed changes needed to be made, and there should be a one year review.

3. Project Licence Application-
   The committee discussed the following:
   - Clarification on clinical signs
   - More information on volumes used
   - Clarification of end points
   The committee agreed changes needed to be made.

4. Any other business
   a) The license that was passed to the 3Rs committee to review was discussed and it was approved.
   b) The committee discussed a non-regulated form that was circulated. The committee decided more information was needed in regards to the number and type of animals needed. to gather information then approved and satisfied.
   c) It was noted the license had been approved since the October 19th meeting.
d) The committee discussed the provision of endangered animals.

**Date of Next Meeting:**
Next full AWERB meeting Monday 16 November 2015.
Minutes

Date       Monday, 16/11/2015
Time       1.40pm
To         Committee Members
At
Subject   AWERB Standing Committee

Present:

Apologies:

AWERB STANDING COMMITTEE

The committee agreed to pass on all comments to the Home Office Inspectors.

1. Project Licence Application- gave a short overview.
   The committee discussed the following:
   • Clarification on who will hold the licence
   • More information on the regular check ups
   • Consideration of controls used
   • More information about irradiation
   • The potential use of prophylactic antibiotics given that part of the argument for the use of animals is the need for the presence of complex feedback loops. These will be reduced/altered if the animals’ microbiomes have been affected by antibiotic use.
   The committee agreed changes needed to be made.

2. Project Licence Application- gave a short overview.
   The committee discussed the following:
   • Clarification on pain observation
   • The current developments in the field
   • Clarification on the location of the x-ray
   • More information on some protocols and why applicable
   • Current developments in the field, including the existence of a cell based European Medicines Agency licensed Advanced Therapeutic Medicinal Product indicated for lesions in knee cartilage (ChondroCelect), and several on-going clinical trials of cell based therapies. This challenges the ethical basis for a fresh wave of animal work.
The committee agreed changes needed to be made.

3. Project Licence Application- gave a short overview.
The committee discussed the following:
  • Clarification on the classification of protocols
  • More information on dose amounts
  • More information on previous successful work
The committee agreed changes needed to be made.

4. Project Licence Application- gave a small overview.
The committee discussed the following:
  • Clarification on funding
  • Discussion on alternative methods
  • More information on injecting sites
  • The possibility of replacing one section of the planned work with human genetic epidemiology using samples from, for instance, the Avon Longitudinal Study of Parents and Children (ALSPAC: University of Bristol) or The Millennium Cohort Study (University of London)
The committee agreed changes needed to be made.

5. Minutes of meeting held on:
   a) 21 September 2015
   b) 5 October 2015
   c) 9 October 2015
   d) 19 October 2015
   e) 2 November 2015
Minutes were agreed with minor changes.

6. AWERB 3Rs Committee Minutes
Minutes were discussed. advised changing of phrasing in the 2/11 minutes.

7. Matters arising from the minutes
None

8. Correspondence
  to attend RSPCA Lay Persons Meeting in December, and the IAT Joint Autumn Symposium later in November. and attending LASA Winter meeting.

9. Any other business
  attended the MRC AWERB for the PPL. The secondary availability has been approved. The PPL amendment will be fast tracked through AWERB Amendment committee for comment.
10. Date of next meeting
Friday 11 December 2015,
Date: Friday, 11/12/2015
Time: 1.40pm
To: Committee Members

At

Subject: AWERB Standing Committee

Present:

Apologies:

Attending:

AWERB STANDING COMMITTEE

1. Project Licence Application- gave a short overview.

   The committee discussed the following:
   - Clarification on specific refinements
   - More information on handling techniques
   - Experimental design details presented at the meeting should be included in the application
   - More information requested about when dietary manipulations commence
   - More information on reduction techniques to include possible use of human biopsy material
   - Include strain details for moderate GA lines

2. Project Licence Application- gave a short overview.

   The committee discussed the following:
   - Clarification on protocols and reduce protocols with moderate severity to mild
   - More information on sourcing non GA animals
   - Suggestions on changing named contact on licence.

3. Evolution of the committee

discussed the introduction of inviting specialist scientists to meetings. noted that there is also a need for more ethicists on the committee and relevant unit NACWO’s will be invited to
attend in the New Year.

It was suggested that applicants were encouraged to focus more on the ethical and adverse effects aspects of their work in their presentations, separate from the 3Rs.

queried whether extra support could be given during the PPL course to assist in writing project licences. noted this could be added.

4. Minutes of meeting held on 16/11/15
Minutes were agreed with minor changes

5. AWERB 3Rs Committee Minutes held on 2/11/15
 provided a summary of the main points from the recent AWERB 3Rs meeting.

6. Matters arising from the minutes
None

7. Correspondence
None

8. Any other business
 noted concerns have been raised regarding a research group concerning possible inappropriate behaviour towards a member of staff and not involving the NVS in a Condition 18 case. queried whether there was a process to deal with these issues. to discuss cases with It was noted this AOB shall be kept as a point on the agenda.

9. Date of next meeting
Monday 25 January 2016, 2pm,