Date: Friday, 08/01/2016  
Time: 08.00  
Room: [Redacted]  
Subject: AWERB 3Rs Committee

Present: [Redacted]  
Apologies: [Redacted]  
Others referred to in text: [Redacted]

MINUTES

1. Minutes
The Minutes of the meeting held on 2nd December 2015 were approved with minor changes. Note was made to implement a publishing policy, inclusion of names, committee outcomes and separate tabulated actions.

2. Matters arising from the minutes
a) The provision of statistical and experimental design support to in vivo scientists is being pursued, awaiting University strategy endorsement for 3Rs and University Science infrastructure.

b) Home Office ‘Efficient Breeding of Genetically Altered Animals; an Assessment Tool’. Feedback to be sent by January 15th 2016, commented an expert person would be required to use the tool and there would be cost implications/provisions in place to support researchers ability to preserve animals for colony management. A one page summary will be circulated to researchers.

c) An excel sheet showing all Projects, protocols and animal numbers was circulated, this was approved and will be populated following Return of Procedures information together with the letter. [Redacted] to report back at the next meeting.

d) Times/dates of the 3Rs meeting to be continually reviewed, door access required [Redacted] to report back at the next meeting.

3. Retrospective reviews
No retrospective reviews submitted.

4. Project Licence Applications
No project license applications submitted.
5. **3Rs information/ reports**

   - provided information regarding NC3Rs Rabbit Grimace Scale, Evaluation of a novel technique for intraperitoneal injections in mice paper-feedback has been requested when this technique is used from NPC.

6. **Minutes of NPC Meeting held on 06/11/15**

   The minutes of the NPC meeting were not discussed.

7. **Any other business**

   a) informed the group of a Symposium being held at MRC regarding Non-tail handling techniques in mice.

   b) informed the group of a symposium held over from 2015 entitled “Culture of Care” will invite posters, presenters from UoC and generally assist to evolve the meeting to a joint venture.

   c) suggested that animal research and 3Rs was presented at the Cambridge Science Festival in March 2017, all were in support suggested 3Rs involvement and include reference to research which benefits animal welfare. informed the group that CI have information available used previously which they would share. to be approached in the first instance.

   d) discussed Cambridge Neuroscience Festival 16-18th September 2016, pop up film shows which will show animal behaviour involving 2 to 3 case studies as part of the University commitment to openness, will be approached with a view to formalising approval.

   e) suggested that NC3Rs research grants be circulated and enhanced from this group, a letter would be drafted to effect when funding rounds are announced. will address Grant funding on UBS website.

   f) gave his apologies for the next meeting which he is not able to attend. will chair the meeting in February.

**Date of Next Meeting**

Wednesday 3rd February, 0800hrs,
Minutes

Date: Friday, 03/02/2016
Time: 08.00
Room: [Redacted]
Subject: AWERB 3Rs Committee

Present: [Redacted]

Apologies: [Redacted]

Others referred to in text: [Redacted]

MINUTES

1. Minutes
The Minutes of the meeting held on 8th December 2016 were approved with minor changes. The minutes will be available on the UBS website.

2. Matters arising from the minutes
   a) [Redacted] has discussed the provision of statistical and experimental design support to in vivo scientists with [Redacted] and [Redacted] (PVC Research). [Redacted] to provide updates in due course.
   b) Home Office ‘Efficient Breeding of Genetically Altered Animals; an Assessment Tool’. Feedback has been provided to the Home Office. A one page summary will be circulated to researchers.
   c) An excel sheet showing selected Projects, protocols and animal numbers has been collated. The full set of data will be available for discussion at the next meeting. A summary document will be circulated in advance. A separate agenda item will be included for this item.
   d) It is hoped that future times/dates of the 3Rs meeting can be confirmed. It was agreed at the last meeting that the 3Rs meetings will take place at 8 am on the first Wednesday of every month. This will be circulated again to committee members for their views, in particular from those who have been unable to attend.
   e) [Redacted] reported that in order to have access to the main door at 17 Mill Lane a form needs to be completed, authorized and only then can the University access cards be updated. Access for non-university personnel cannot be provided but instead phone numbers for [Redacted] and [Redacted] will be circulated so that they can be contacted.
   f) Venue for the 3Rs meeting was discussed and it was felt that Greenwich House, Madingley Rise would be better for most committee members. The views of committee
members will be sought by via email.

3. Retrospective reviews
   No retrospective reviews submitted.

4. Project Licence Applications
   No project license applications submitted.
   One PPL will be circulated to committee members for comments prior to discussion at the
   next 3Rs meeting.

5. 3Rs information/ reports
   a) Information on the use of a novel technique for intraperitoneal injections in mice will be
      collated from the NPC and the committee updated.
   b) The experience of technicians using non-tail handling methods for mice will be collated
      and 3Rs committee updated.

6. Minutes of NPC Meeting held on 15/01/2016
   will be asked to summarise
   CRISPR technology and its potential to reduce the numbers of animals used in research.

7. Any other business
   a) The symposium on non-tail handling methods for mice will be held on the 29th June 2016.
      Date and venue to be circulated to relevant people
   b) as a potential speaker for the culture of care symposium was suggested. Date for
      conference and speakers need to be confirmed. Progress on this item should be reported
      at the next meeting.
   c) suggested that animal research and 3Rs was presented at the Cambridge Science
      Festival in March 2017. was approached and is in support and will be able to provide
      some resource for this. Discussion on this and agenda item 7d) should be included as a
      separate item at the next meeting.
   d) discussed Cambridge Neuroscience Festival 16-18th September 2016. UAR
      (Understanding Animal Research) is also involved with this conference. Framework of our
      contribution will be discussed at the next meeting. and will also be contacted so
      that they can attend the meeting in April 2016.
   e) Information on deadlines for NC3Rs research grants has been circulated as part of the
      CamtechCare newsletter. A separate email with a link to the UBS website was thought to
      better engage PIL and PPL holders. Monitoring of the number of UBS website “hits” on this
      topic should be explored.
   f) An assessment tool for neonates has been published in the NC3Rs newsletter. This
      should be discussed at the NPC meeting and the 3Rs committee kept updated.
   g) A laboratory animal welfare assessment tool is being developed by and NC3Rs.
      Volunteers have been asked to participate. 3Rs committee needs to be kept aware of
      these sorts of initiatives and should look at how the awareness of these can be enhanced.

Date of Next Meeting
Wednesday 2nd March, 0800hrs,
Date: Wednesday, 02/03/2016
Time: 08.30
Room: [Room Information]
Subject: AWERB 3Rs Committee

MINUTES

1. Minutes
The Minutes of the meeting held on 3rd February 2016 were not approved. The changes that were recommended need to be addressed and the final minutes circulated for approval.

2. Actions from previous meetings
   a) The provision of statistical and experimental design support to in vivo scientists has been discussed with [Name] and pro VC. [Name] to report back on progress.
   b) An excel sheet showing selected Projects, protocols and animal numbers was considered. It was agreed that the retrospective reviews for 4 project licences will be considered at future 3Rs meetings.
   c) There was a detailed discussion about the dates, times and locations of future meetings. It was stressed that the timing of the minutes should enable as many committee members to attend the meetings as possible. Early morning, lunch time and late afternoon meetings were all discussed. It was agreed at the meeting that the 3Rs meetings will take place at 8.30am on the first Wednesday of every month at Greenwich House. This was the time (and location) that was approved by the majority of those present and also those that previously had expressed a preference by email. Times/dates of the 3Rs meeting to be reviewed in 6 months.

3. Retrospective reviews
   No retrospective reviews submitted.

4. Project Licence Applications
   3 project licences circulated to 3Rs committee members for comment. There were no comments for two of the licences. For one of the licences the list of 3Rs comments will be collated and forwarded to the PPL holder together with comments from AWERB.
5. 3Rs information/ reports
No further updates discussed

6. Minutes of NPC Meeting held on 19/02/2016

7. Any other business and matters arising from February 3Rs committee meeting
   a) The symposium on non-tail handling methods for mice will be held on the 29th June 2016. Date and venue to be circulated to relevant people
   
   b) as a potential speaker for the culture of care symposium was suggested. Date for conference and speakers need to be confirmed. Progress on this item should be reported at the next meeting.
   
   c) suggested that animal research and 3Rs was presented at the Cambridge Science Festival in March 2017. was approached and is in support and will be able to provide some resources for this. Discussion on this and agenda item 7d) should be included as a separate item at the next meeting.
   
   d) discussed Cambridge Neuroscience Festival 16-18th September 2016. UAR is also involved with this conference. Framework of our contribution will be discussed at the next meeting. and will also be contacted so that they can attend the meeting in April 2016.
   
   e) Information on deadlines for NC3Rs research grants has been circulated as part of the Camtech newsletter. A separate email with a link to the UBS website was thought to better engage PIL and PPL holders. Monitoring of the number of UBS website "hits" on this topic should be explored. agreed to contact the NC3Rs to ascertain what proportion of the 2015 funding was awarded to Cambridge.
   
   f) An analgesiometric assessment tool was discussed and the paper on this will be circulated.

Date of Next Meeting
Wednesday 6th April, 0830hrs
Date: Wednesday, 06/04/2016
Time: 08.30
Room: [Redacted]
Subject: AWERB 3Rs Committee

Present: [Redacted]

Apologies: [Redacted]

MINUTES

1. Minutes
Minutes of meeting held on 3rd February 2016 were approved. Minor changes were recommended for minutes of meeting held on 2nd March.

2. Matters arising from minutes
Actions from previous meetings

2a) [Redacted] (and [Redacted]) has been requested to submit a business case to the pro Vice Chancellor on the provision of statistical and experimental design support to in vivo scientists.

2d) Draft minutes and agenda will be circulated one week after the meeting. Any documents requiring review, final minutes and agenda will be circulated 2 weeks before the next meeting.

4) AWERB and 3Rs committee comments were circulated to [Redacted].

7a) A symposium for non-tail handling methods will be on the 29th June at the University technical college, Addenbookes site.

7c & 7c) The Cambridge neuroscience festival will be held on the 23rd to 25th June 2017. This year’s Science festival was well received. Interactive sessions were appreciated. A stand/session for the 3Rs has been requested for 2017. Volunteers willing to devote time to this should put their names forward so a sub-committee can be formed which will report to this committee.

3. [Redacted]: CRISPR
The information provided by [Redacted] on CRISPR (see attached document) and his response to questions at this meeting were appreciated and the committee thanked him for his time.

4. Retrospective reviews
[Redacted] retrospective review was discussed. There was insufficient information provided on the 3Rs. Ideas were put forward to refine the form so that the relevant information can be
captured. The form is being reviewed and will be circulated for comment.

5. Project Licence Applications
The 3Rs committee should exercise autonomy in its recommendations, which are then considered by AWERB as required. Only the 3Rs section of project licences will be reviewed by this committee in future. Ideally this review should take place before the licences are submitted to AWERB.

5a) Targeting the immune response in cardiovascular diseases.
The Reduction section and information provided on animal numbers needs further consideration. The committee recommends that [redacted] seeks advice from [redacted].

In the refinements section, information as to when animals with aneurysms are likely to die (eg age of animal, days post intervention) should be included. Further details on how monitoring of animals with aneurysms could be improved should be provided for example increasing the frequency of animal observations, use of video cameras.

5b) project licence was not considered.

5c) Types of video monitoring systems available and their costs should be collated and circulated.

6. 3Rs information/reports
Camtech care newsletter has been circulated.

7. Minutes of NPC Meeting held on 18/03/2016.
The meeting was cancelled.

8. Any other business
None.

Date of Next Meeting
Wednesday 4th May, 0830hrs, [redacted].
Date: Wednesday, 04/05/2016
Time: 8.30am
To: Committee Members
At: [redacted]
Subject: AWERB 3Rs Committee

List of attendees:
[redacted]

Apologies:
[redacted]

Minutes of the 3Rs Sub-Committee Meeting held on 06/04/16 agreed and signed.

1. Matters arising from the minutes

2. Neuroscience and Science festivals 2017
   a) [redacted] to lead subcommittee for both festivals. One suggestion for membership of this subgroup was [redacted]. A short paragraph will be submitted for the next meeting outlining the details for both festivals eg date, venue. Vets are able to run a suturing workshop.
   b) As of next month [redacted] unable to attend 3Rs meetings however she is happy to contribute on ad hoc basis and run the festival subcommittee. Membership of science people needs to be considered at the next meeting.

3. Retrospective review and assessment forms
   Committee recommended that there should only be one form that can be used for both purposes. Otherwise the committee were happy with the new format. The forms will now be reviewed by AWERB and then rolled out to PPL holders. Feedback should be sought from PPL holders and AWERB/3Rs committee members. Any comments/corrections should be forwarded to Anne-Marie Farmer. Committee agreed they would like to see fully completed documents and not just the 3Rs sections.

4. Video monitoring systems
This will be a repeat agenda item.

5. Analgesiometric paper
   The paper was not circulated but will be circulated in time for consideration at the next meeting.

6. Terms of reference
   An up to date version of the terms of reference will be circulated and discussed at the next meeting. As part of this there will be a discussion on the annual report – content and deadline date as well as awareness of the 3Rs meeting.

7. Awareness of the 3Rs Committee
   To be discussed at the next meeting when considering the terms of reference. An article in Cam Tec Care should be considered.

8. Retrospective Reviews
   Reviewed [Redacted] RR for his existing PPL and no further comments made.

9. Project Licence applications
   a) [Redacted]: Experimental molecular medicines for restorative neuroimmunology
      PPL holder showed awareness of issues that can arise from the models outlined in his project licence. Attempts have been made to refine and reduce adverse effects. The reduction section comes across reasonably well and is coherent. Blinding has been considered for one behavioural test – open field test, but information on whether this was being done in the context of all his work was not provided. Comments:
      - Could blinding and randomisation be considered for other protocols/tests?
      - Reduction of variability in mice and how consistency is maintained between protocols and personnel needs to be emphasised eg in ulcer size measurement, scoring of adverse effects. Reference should be made to any standardisation mechanism such as documents/videos/images and if these are not in place contact should be made with the 3Rs committee for help with this.
      - The non-technical summary needs to be updated to reflect all the information that is provided under the 3Rs section of the project licence.

   b) [Redacted]: Spinal cord plasticity and functional recovery
      - Reduction section - Consideration should be made to blind the experiment, not the analysis.
      - Evidence of engaging with other people would be useful eg conferences, abstracts. How effective is the publication strategy? Has [Redacted] considered the use of Amphioxus as an alternative lower species?
      - Is there anyone else using the model mentioned in the project license and have they refined it?
      - Reduction section – How successful is each experiment with an individual lamprey? Figures should be provided for this. Appreciate can’t get cellular recordings every time but important to know how often this occurs and what happens to animal if you don’t.
      - Refinements section – has a score sheet for any clinical signs been developed? If not this should be considered in the future.

10. 3Rs information/reports
11. Minutes of NPC meeting held on 15/04/16*

12. Any Other Business
Numbers and analysis: growing support for this observed by [redacted]. He flag to the meeting the tremendous opportunities this offers for people to step in from an experimental design perspective and improve reduction and refinement.
Could be done as case studies which are published on the website.

13. Date of next meeting
Wednesday 1st June 2016
* Items for information only unless un-starred by committee member
AGENDA

Date   Wednesday, 01/06/2016
Time   8.30am
To     Committee Members
At     
Subject AWERB 3Rs Committee

List of attendees

Apologies

1. Minutes of the 3Rs Sub-Committee Meeting held on 04/05/16
   Agreed and signature to obtain.

2. Matters arising from the minutes
3. Retrospective Reviews

The following points were discussed and recommendations made

   a) The retrospective review was detailed and thorough and considered as an example of a good retrospective review.
   b) Experience with LPS could be documented and used to help other researchers. For example LPS dose should be in endotoxin units per µg (as adverse effects are related to the endotoxin dose) although in publications often the maximum amount as units of protein used is reported. The endotoxin units can vary hugely between batches and this will cause variation in adverse effects experienced by animals. Different strains of mice and different sexes may react differently to a particular LPS dose. AGREED agreed to write some top level guidance on use of LPS.
   c) The difference between total estimated number of animals and actual number of animals used are very different. In many instances protocols had not been used. This was discussed in relation to the nature of the work undertaken on this licence. Discussed whether this is a widespread issue.
with other project licences - this is unclear at present but as the new retrospective template is used this should become clearer. Ideally PPL holders should use an informed approach to estimating animal numbers and highlighting actual use and severity in the retrospective review will provide the data required.

d) Typo relating to word “Pruritus” should be corrected.

4. Retrospective Assessments

The following recommendations were made:

a) and his group need to reflect and document in the retrospective assessment 3Rs section all progress in 3Rs including outcomes achieved and for example should include refinements arising following Condition 18 reports.

b) The information provided under the Reduction section should be placed under the Replacement section.

c) It is clear from this assessment that not many animals have reached severe severity. The reasons for this should be included in the refinements section and consideration should be given as to whether the severity of the protocols can be reduced from severe to moderate.

The following recommendations were made:

• This report was in the previous format.

• Detailed consideration was given to each of the adverse effects encountered (including incidence) and this is another good example of a retrospective assessment.

• There has been a reduction in animal numbers and a reason for this should be provided, including the impact this reduction on animal numbers may have had on individual animals used.

• Under the surgical procedures section reference is made to animals “killed” and animal “deaths”. should clarify whether animals that died were actually killed before they died.

• In the non-technical summary details of publications should be removed.

• In the Refinements section, the phrase “minimally invasive procedures” which in surgical context would be interpreted differently, should be altered to “most refined procedures” as the procedures themselves are not minimally invasive.

• Involvement of primate researchers working at the University of Cambridge with the NC3Rs primate working groups was not clear. Involvement and engagement of all researchers and UBS staff on external working groups should be transparent.

5. Project Licence applications

seeks to amend her licence by introducing new protocols to allow the study of ageing mice.

The following recommendations were made:

• Protocol 10: Adverse effects and age-related diseases should be acknowledged and humane end points with regards to these clarified.

• Recently published literature on ageing studies in mice will be forwarded to AWERB Sub-committee with the recommendation that they will be forwarded to . Clearer justification for aged animals is recommended in her Plan of Work with evidence that age and strain related variables have and will be taken into consideration.
More refined methods of gait analysis could be considered which could have an impact on reducing animal numbers through more accurate and detail data generation.

3Rs committee’s attention was drawn to concerns about the statistics described at the end of Part D. Although not related to the amendment aspects of the power calculations on page 21, Part D, require clarification.

6. 3Rs information/reports
   a) The second edition of “The Design of Animal Experiments” by Michael Festing has recently been published. The 3Rs committee asked [REDACTED] if he would be prepared to review this book and if appropriate write a brief comment for CamTechCare. A copy of the book will be made available to [REDACTED].
   b) A poster for the seminar on “avoiding use of tails in mice” was circulated and will be displayed appropriately.
   c) The committee was updated on a talk given by [REDACTED] on repositories for genetically altered animals and latest methodology for sperm freezing and transport.

7. Minutes of NPC meeting held on 13/05/16*

8. Any Other Business
   a) The Analgesiometric paper was discussed and if an opportunity arises the information will be forwarded to the relevant people.
   b) The Terms of Reference were reviewed and agreed.
   c) Implementation of a central record for representation of University staff on various external committees and working groups was discussed. A letter will be written to all project, personal licence holders and UBS staff requesting this information.
   d) [REDACTED] email on 3Rs representation on the Science Festivals was acknowledged.
   e) Scientific representation on the 3Rs committee was discussed and committee members asked to put forward suggestions for the next meeting.
   f) Licences with severe severity protocols will be put forward for review by [REDACTED] as soon as agenda space becomes available.

9. Date of next meeting
   (a) Wednesday 6th July 2016 8.30 am UBS
List of attendees

[Redacted]

Apologies

[Redacted]

1. Minutes of the 3Rs Sub-Committee Meeting held on 01/06/16
   Agreed and signed

2. Matters arising from the minutes

3. Retrospective Reviews
   a) The 3Rs section reviewed. Further information on the following would be useful to provide:
      • Use of \textit{in vitro} studies and how they have reduced or replaced the use of live animals
      • Non-invasive imaging used and provide examples of situations where the methods she uses could be applied so that this can be disseminated to other researchers
   b) Retrospective reviews on these licences have been triggered by [redacted] departure from the University. The licences have been recently authorised (6 and 9 months ago) so not many animals have been used. The following points were made:
      • In the section covering non-schedule 1 methods of killing, schedule 1 methods of killing have been listed and these need to be removed.
      • The 3Rs section requires greater thought and concentration. Circulation of a good example of a 3Rs section should be considered. In the longer term it might be worth circulating
good examples of good 3Rs sections to PPLhs with the blank RR template.

- A conversation should take place with the successor to ensure they understand their responsibility in terms of the 3Rs. It may be helpful to new PPL holder to have a representative from another establishment at this meeting.

  c) The 3Rs section was discussed and the following points made:

  - Clarity is required over animals that have been returned as having reached severe severity. Have condition 18 reports been submitted and if not why were condition 18 reports considered unnecessary.
  - Although the total numbers of animals used under Protocol 1 has not been exceeded the total number of embryos/foetuses has been recorded as greater than authorised. This should be confirmed and brought to the inspectors notice.
  - Under the refinements section there is a need to provide a better explanation for the rationale for the changes/refinements and if the effects claimed could be claimed to be refinements. For example how did they determine Baytril administered by the intramuscular route is more effective than when given orally? How was the effectiveness measured? The animal losses under anaesthesia – were these found to be due to anaesthesia or were there other causes?

3d) A template for managing PPLs and animal numbers/actual severity will be explored although circulating the table in Section 3 of the template may be sufficient until the new Sanger database is rolled out across the estate.

4. Project Licence Applications
   None submitted

5. 3Rs information/reports
   NIO updates were provided.

6. Minutes of NPC meeting held on 13/05/16*

7. Any Other Business
   An IAT seminar on non-tail handling method for mice was well attended and in the future another seminar may take place. Strategies for implementing this will be discussed at future 3Rs/NPC meetings. For example may allow the presentation used at the IAT meeting to be presented by someone who attended that meeting.
   Other items discussed were School talks, University Technical College challenge projects, Arrive guidelines.

8. Date of next meeting
   (a) Wednesday 3rd August 2016 8.30 am UBS

* Items for information only unless un-starred by committee member
List of attendees

Invited

Apologies

1. Minutes of the 3Rs Sub-Committee Meeting held on 08/07/16
   Agreed

2. Matters arising from the minutes
   Action Point 1) [ ] requested amended copy of the 3Rs minutes from 4th May 2016 for signature.
   Action Point 3) [ ] responded to feedback from 3Rs on his RR and addressed the issues raised.
   In future, the committee secretary or Welfare Director will check amended RRs and decide whether the issues have been addressed adequately and make a recommendation to the 3Rs committee if further action is required.
   Action Point 3B) Completed.
   Action Point 3D) Ongoing. The committee discussed who should receive alerts. [ ] to discuss with Deputy Directors.

3. Retrospective Reviews
   a) [ ]
The retrospective review had been triggered by leaving the University of Cambridge. Another PPL holder will be taking on the licence.

The RR 3Rs section was reviewed and the following points discussed:

- Scientific progress was detailed and significant amount of work completed
- The number of animals. Licence was granted fairly recently so it was not possible to comment on the predicted and actual number of animals used. Section 3.7 should be changed from Yes to No
- The 3Rs committee felt that the new PPL holder should be offered support if required. to forward feedback to the AWERB Committee.

b) The licence is coming to the end of the 5 year period.

The 3Rs section was reviewed and the following points were to be recommended for inclusion in the new license:

- Justifications for current techniques (especially the Morris Water Maze) and possible alternatives should be discussed
- Experimental design should include randomisation and blinding where appropriate
- More information on how the animal numbers were reduced (as mentioned in section 4.9) should be provided
- Possibility of refining end points should be explored

4. Project Licence Applications

None submitted

5. 3Rs information/reports

updated the committee on the development of the new Cambridge University 3Rs Tool. This will be circulated to the committee with a request for feedback from members during August. The database will be on the UBS website by September 2016.

noted that following the non-tail handling seminar, the LMB are organising a talk for staff regarding tail handling, its introduction and how best to integrate the ideas into daily practice.

and are currently organising the Science and Neuroscience Festivals next year, and and a list of ideas for the festivals were discussed. volunteered to join the committee. e-mailed committee members with photos taken of the Surgery Department stand at this year’s Science Festival. Ideas and suggestions for the festival were invited to be sent to

6. Minutes of NPC meeting held on 15/07/16*

7. Any Other Business

noted there has been a delay with the Culture of Care Symposium at CI. Dates are yet to be confirmed but are likely to be in March 2017.

reported the East AWERB Hub symposium will be at the end of October 2016 and all AWERB members will be invited. Details to be confirmed.
8. Date of next meeting
   Wednesday 7th September 2016 8.30 am UBS

* Items for information only unless un-starred by committee member
Date Wednesday, 07/09/2016
Time 8.30am
To Committee Members
At
Subject AWERB 3Rs Committee

In Attendance:

Apologies:

1. Minutes of the 3Rs Meeting held on 03/08/16
   Agreed.

2. Matters arising from the minutes
   Awaiting feedback from regarding comments on his Retrospective Review.
   Feedback on 3Rs spreadsheets should be emailed to

3. Retrospective Reviews
   a) The current licence is due to expire next year.
      No comments were raised other than surname should be inserted in Section 1.1.

   b) The retrospective review was triggered by change of PPL holder to .
      The RR 3Rs section was reviewed and the following points discussed:
      • Condition 18 report should be produced due to severe protocol
      • Committee request 5 to 10 references based on 3Rs achievements
      • Reason for large number of protocols requested should be addressed in 15 month pre expiry Retrospective Review
      • Unexpected adverse effects were discussed and further information required

   c) The retrospective review was triggered because the current licence is due to expire next year.
      It was noted that this retrospective review could be used to demonstrate to others what a good Benefits section should contain.
      The RR 3Rs section was reviewed and the following points discussed:
      • References should be removed if not referring to work undertaken under the authority of this licence
• More information required which correlates to Condition 18 reports

4. Project Licence Applications
(a) The 3Rs section was reviewed and the following points were discussed:
   • A more forward looking approach to behavioural tests was suggested. should seek advice from other behavioural scientists
   • The use of tail biopsies were discussed
   • No references are made to experimental design in the 3Rs section
   • The committee questioned the use of the 3-NP model

5. 3Rs information/reports
None.

6. Minutes of NPC meeting held on 19/08/16*

7. Any Other Business
   drew attention to a recent publication “?” which reports on a second Newcastle meeting discussing laboratory animal euthanasia.
   informed that the Home Office have issued Project Licence writing advice and templates. will circulate and will be available on UBS website.

8. Date of next meeting
   Wednesday 5th October 2016

* Items for information only unless un-starred by committee member