



ANIMAL CARE AND USE COMMITTEE MEETING MINUTES

August 17, 2020

I. OPENING:

The Animal Care and Use Committee met at 1:00pm on Monday, August 17, 2020, and was held as a virtual meeting due to the pandemic COVID-19. Dr. Susan McRae (Chair) presided with the following members in attendance: [REDACTED]

[REDACTED]
[REDACTED] Dorcas O'Rourke, DVM, [REDACTED]

[REDACTED]
[REDACTED] Also present was [REDACTED]. The Animal Care and Use Committee May minutes were read and unanimously approved. The next meeting is scheduled for September 21, 2020 at 1:00 PM.

II. REPORTS FROM CHAIR AND UNIVERSITY VETERINARIAN:

A. Chair – Susan McRae, Ph.D.

1. The Chair gave a summary of the AAALAC site visit including commendations and highlighted those related to the IACUC.
2. The fall 2020 IACUC semi-annual inspections were discussed. The committee approved the use of the AAALAC site visit and its preparations for the IACUC semiannual facilities and lab inspections. A subcommittee will be appointed for the program review. All reports will be presented for approval at the next meeting.
3. The Chair reminded the committee that the SOP for IACUC Actions Following Full Committee Review of Protocols and Amendments was approved on 7/28/2020.
4. Annual review forms were presented and approved.
Note: A member with a conflict of interest was recused during the review
5. The Annual Review form was revised and approved.

B. University Veterinarian – Dorcas O'Rourke, D.V.M.

1. Dr. O'Rourke provided updates on the current FOIAs.
2. A summary of the AAALAC site visit was presented and discussed.
3. The Whistleblower sign and the Procedure for Reporting and Reviewing Animal Care and Use Concerns document was revised and approved.
4. An update on the [REDACTED] renovations was presented.
5. [REDACTED] was approved as a satellite animal facility.



III. NEW BUSINESS:

A. Review of Animal Use Protocols

1. The following Animal Use Protocols require modifications to secure approval: *Designated review of modifications per IACUC SOP will occur unless specified otherwise:*

██████ – Renewal. This protocol is focused on understanding virulence of Brucella, a bacterium that is pathogenic and of concern in the agriculture industry. The committee discussed personnel roles and responsibilities, animal numbers, and safety approval.

Note: Two members with a conflict of interest were recused during the review of this protocol.

██████ – New. This protocol describes whether a facilitated psychotherapy parent support group is an effective method of intervention for parents of children with disabilities and to explore the experiences of parents interacting in a unique treatment environment. The committee discussed personnel roles and responsibilities.

██████ – New. This protocol describes the use of marine habitat and life history information to be used in population management in support of recreational and commercial fishery. The committee discussed animal numbers and euthanasia method.

██████ – Renewal. This protocol describes the use of multiwall carbon nanotubes to induce granulomas in the lung to help elucidate pathways associated with sarcoidosis. The committee discussed procedures and safety approvals.

██████ – Renewal. This protocol describes the use of muscle tissue to study cardiac and skeletal muscle disorders. The committee discussed the 3Rs, housing, and safety approval.

B. Review of Amendments to Animal Use Protocols

1. The following amendments to Animal use protocols require modifications to secure approval: *Designated review of modifications per IACUC SOP will occur unless specified otherwise:*

██████ – Amendment. This amendment requests a change in location for the described activity, an update in personnel and a change in animal. The committee



discussed personnel credential.

██████ – Amendment. This amendment requests testing of a novel mechanistic concept that pairs standard pharmacological agents with dietary DHA supplementation to improve retention of DHA within the brain in a manner dependent upon the enzyme of interest, Acsl6at. The committee discussed animal numbers and safety approval.

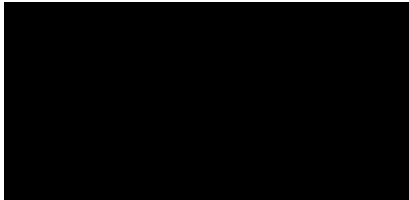
██████ – Amendment. This amendment requests additional experiments and models. The committee discussed clarity of the amendment, animal numbers, additional information on procedures, and safety approval. The amendment once revised by the PI is to be reviewed at the next convened meeting (09.21.2020).

██████ – Amendment. This amendment requests a modification of procedure. The committee discussed safety approval.

██████ – Amendment. This amendment requests the addition of a method for assessing plasma extravasation in the organs of ozone exposed models and the addition of personnel. The committee discussed personnel credentials, additional information on procedures, and safety approval.

All motions were approved unanimously unless otherwise indicated.

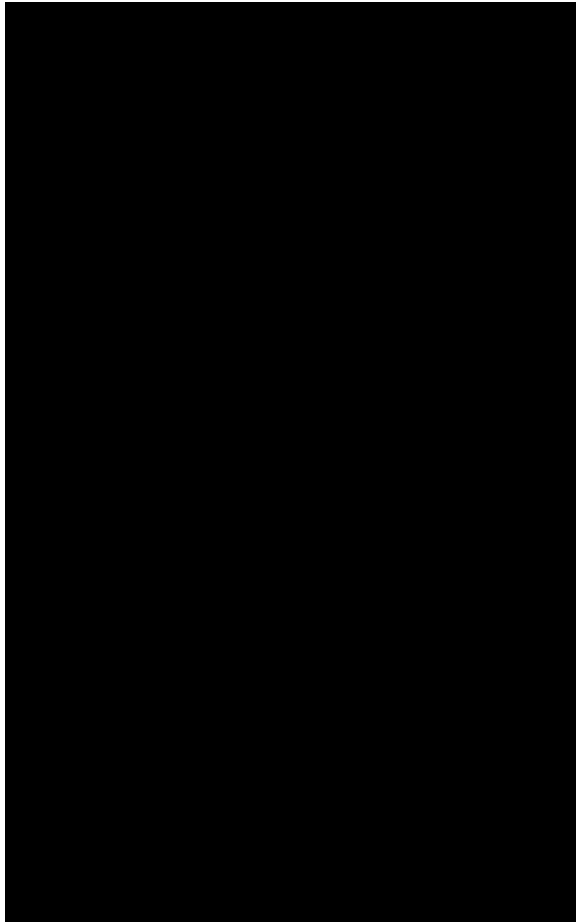
The meeting was adjourned at 2:50pm.



Minority Opinions: None



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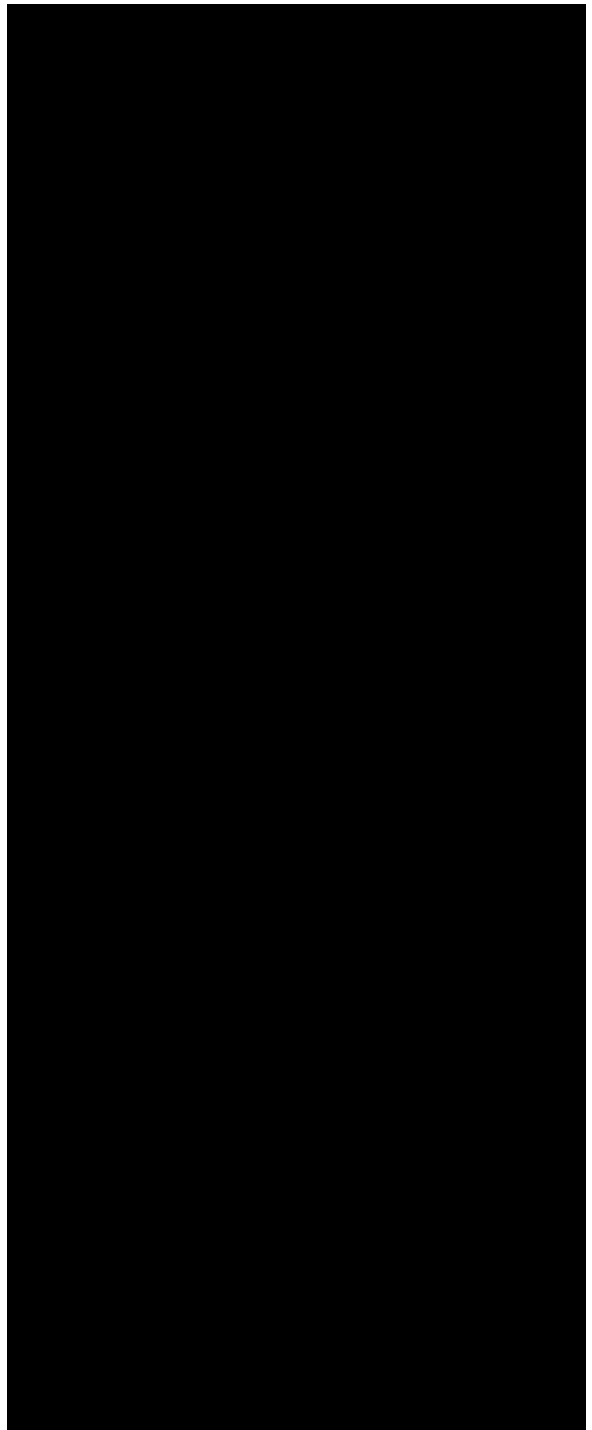
Susan McRae, Ph.D.
Department of Biology

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Dorcas O'Rourke, DVM
Department of Comparative Medicine





ANIMAL CARE AND USE COMMITTEE MEETING MINUTES

September 21, 2020

I. OPENING:

The Animal Care and Use Committee met at 1:00pm on Monday, September 21, 2020, and was held as a virtual meeting due to the pandemic COVID-19. Dr. Susan McRae (Chair) presided with the following members in attendance: [REDACTED]

[REDACTED] Dorcas O'Rourke, DVM, [REDACTED]

[REDACTED] Also present were [REDACTED]

[REDACTED] The Animal Care and Use Committee August minutes were read and unanimously approved. The next meeting is scheduled for October 19, 2020 at 1:00 PM.

II. REPORTS FROM CHAIR AND UNIVERSITY VETERINARIAN:

A. Chair – Susan McRae, Ph.D.

1. The Chair welcomed our new IACUC member: [REDACTED].
2. The fall 2020 IACUC semi-annual inspections report was reviewed:
 - a. The committee voted to approve the use of the *OLAW Departure from the Guide: Report Requirements* flow chart to support the IACUC decision regarding departures from the guide to be reported to the IO in the semi-annual inspection report.
 - b. The committee reviewed the protocols approved between April 2020 and August 2020 and discussed if exceptions to the guide were to be reported to the IO. The committee voted that no new exceptions are to be reported as they are all specifically described in the Guide.
 - c. The fall 2020 semi-annual inspections report was approved.
3. Annual review forms were presented and approved.
Note: 3 members with a conflict of interest were recused during the review

B. University Veterinarian – Dorcas O'Rourke, D.V.M.

1. Dr. O'Rourke provided updates on the current FOIAs.
2. It was announced to the committee that the annual USDA inspection will occur on 09.22.2020 and will be held virtually.
3. Dr. O'Rourke described how animal care continues to be assured during the pandemic.
4. An update on the [REDACTED] renovations was presented.



III. NEW BUSINESS:

A. Review of Animal Use Protocols

1. The following Animal Use Protocols require modifications to secure approval: *Designated review of modifications per IACUC SOP will occur unless specified otherwise:*

██████ – New. This protocol describes withdrawal latencies from a specific test before and after treatment with different analgesics and a combination thereof. The committee discussed administrative changes to be addressed.

██████ – Renewal. This protocol describes epithelial tight junctions and their role in kidney and intestinal function and their implication in several hypertension, kidney disease and inflammatory bowel disease. The committee discussed procedures and safety approval.

██████ – Renewal. This protocol describes the role of IL-6 signaling in the induction of acute myocardial infarction. The committee discussed procedures.

██████ – Renewal. This protocol describes the control of output of spinal cord circuits to devise better management and treatment strategies for nervous system disorders such as restless leg syndrome (RLS) chronic pain, and autonomic dysfunction. The committee discussed procedures.

B. Review of Amendments to Animal Use Protocols

1. The following amendments to Animal use protocols require modifications to secure approval: *Designated review of modifications per IACUC SOP will occur unless specified otherwise:*

██████ – Amendment. This amendment requests the addition of experiments and models that will provide preliminary data for an R01 application submission, and additional manuscripts. These experiments are focused on a model deficient in DHA. The committee discussed procedures and safety approval.

██████ – Amendment. This amendment requests the addition of compounds to the study that investigates effects on immune system function. The committee discussed safety approval.

C. Review of Research Proposal

The following research proposal was congruent with approved Animal Use



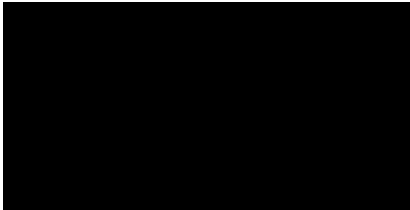
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Protocols

“Per- and polyfluoroalkyl substances (PFAS) in North Carolina” – UNCCH –
congruent with [REDACTED]

All motions were approved unanimously unless otherwise indicated.

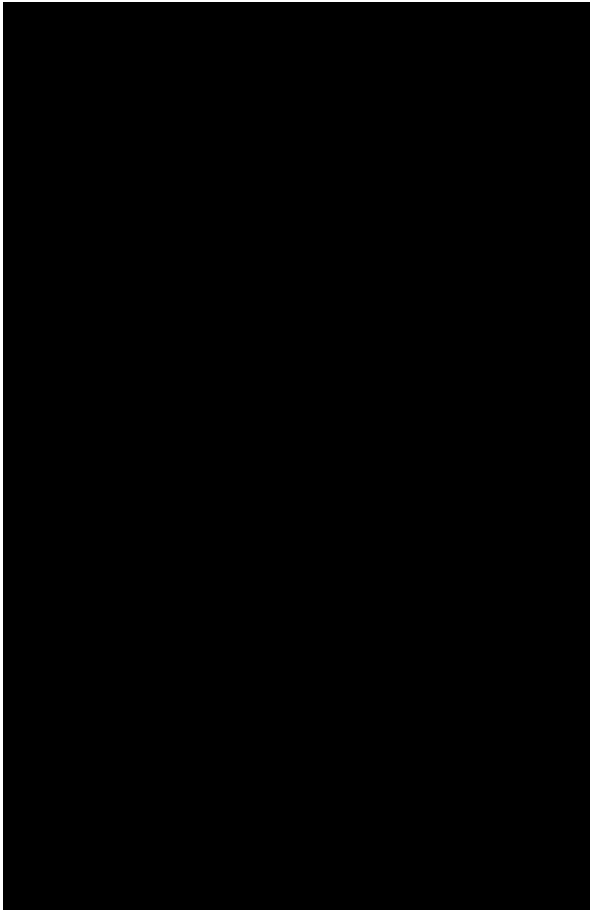
The meeting was adjourned at 2:30pm.



Minority Opinions: None



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S. B. McRae

Susan McRae, Ph.D.
Department of Biology

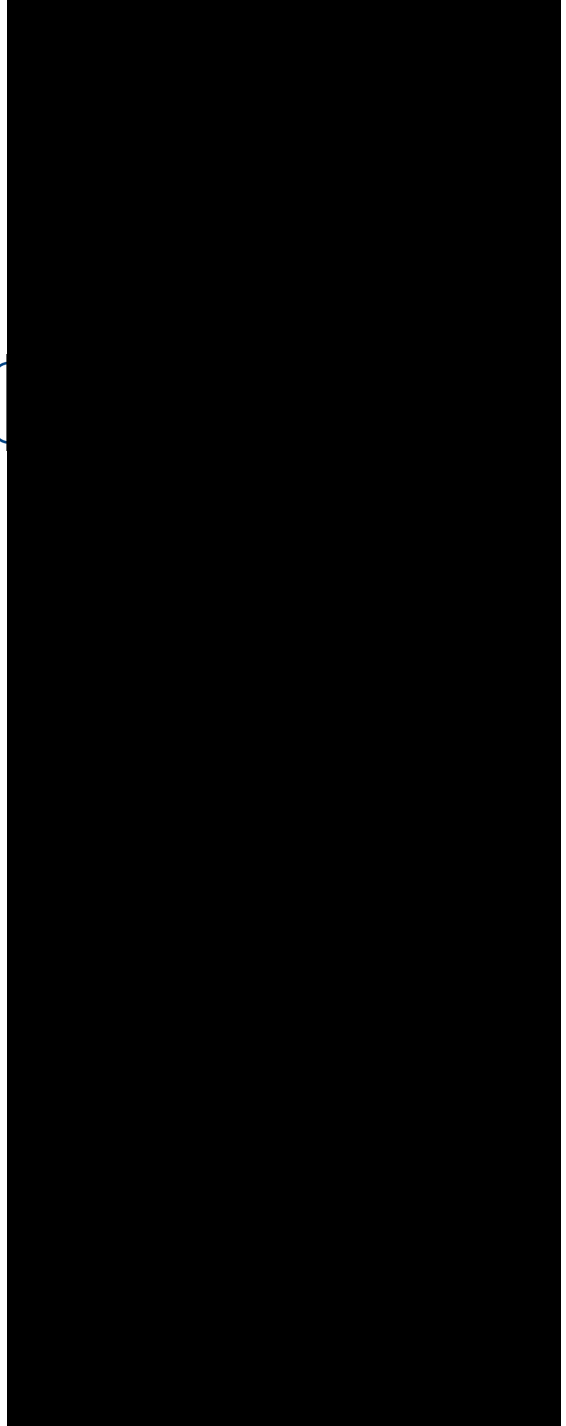
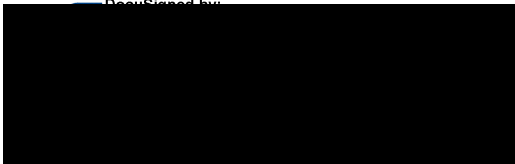
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Dorcas O'Rourke

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Dorcas O'Rourke, DVM
Department of Comparative Medicine

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ANIMAL CARE AND USE COMMITTEE MEETING MINUTES

October 19, 2020

I. OPENING:

The Animal Care and Use Committee met at 1:00pm on Monday, October 19, 2020, and was held as a virtual meeting due to the pandemic COVID-19. Dr. Susan McRae (Chair) presided with the following members in attendance: [REDACTED]

[REDACTED]

[REDACTED] Dorcas O'Rourke, DVM, [REDACTED]

[REDACTED] Also present were [REDACTED]. The Animal Care and Use Committee September minutes were read and unanimously approved. The next meeting is scheduled for November 16, 2020 at 1:00 PM.

II. REPORTS FROM CHAIR AND UNIVERSITY VETERINARIAN:

A. Chair – Susan McRae, Ph.D.

1. The Chair presented the lists of protocols and amendments that were approved administratively, by DMR, and by DMR after full committee.
2. Annual review forms were presented and approved.

B. University Veterinarian – Dorcas O'Rourke, D.V.M.

1. Dr. O'Rourke provided updates on the current FOIAs.
2. The USDA inspection report was discussed. No non-compliant items were identified.
3. Dr. O'Rourke described how animal care continues to be assured during the pandemic.
4. An update on the [REDACTED] renovations was presented.
5. The IACUC reviewed and approved the updates to the ECU IACUC Rule for Research Animals in Photographs, Videos, and other Public Media.

III. NEW BUSINESS:

A. Review of Animal Use Protocols

1. The following Animal Use Protocols require modifications to secure approval: *Designated review of modifications per IACUC SOP will occur unless specified otherwise:*



█████ – New. This protocol investigates the mechanisms related to the age-related changes in macrophage inflammatory responses as well as diet related interventions. The committee discussed training.

█████ – Renewal. This protocol describes the study of poxvirus virulence factors and modified poxvirus vaccine vectors. The committee discussed personnel roles and responsibilities, non-technical summary, tracking animal use, and safety approvals.

█████ – Renewal. This protocol describes the function and regulation of a transcription factor that regulates the expression of genes that control dopamine function. The committee discussed animal numbers, animal observations, procedures, non-pharmaceutical grade compounds, and safety approvals.

█████ – New. This protocol investigates the effects of COVID-19 on dopamine neuron survival. The committee discussed animal numbers and safety approvals.

█████ – Renewal. This protocol describes the roles of MMP-9 generated collagen C-peptides in remodeling due to age and myocardial event. The committee discussed personnel degrees, procedures, dosages, non-pharmaceutical grade compounds, and safety approvals.

A member with a conflict of interest was recused during the review of this protocol.

█████ – New. The protocol describes if an experimental antiviral therapy known as SNAT can reduce viral load and inflammation associated with COVID-19. The committee discussed samples handling, procedures, and safety approvals.

J█████ – New. This protocol investigates the underlying cause of the cytokine storm related to SARS-CoV-2. The committee discussed procedures, non-pharmaceutical grade compounds, and safety approvals.

A member with a conflict of interest was recused during the review of this protocol.

█████ – Renewal. This protocol describes the role of MMP-12 in sarcoidosis. The committee discussed secondary contact, personnel roles and responsibilities, and animal numbers.

B. Review of Amendments to Animal Use Protocols

1. The following amendment to Animal Use Protocol was approved:

█████ – Amendment. This amendment requests additional timepoints.



2. The following amendments to Animal Use Protocols require modifications to secure approval: *Designated review of modifications per IACUC SOP will occur unless specified otherwise:*

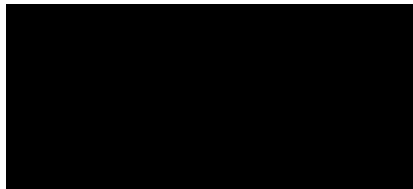
██████ – Amendment. This amendment requests the addition of two strains. The committee discussed dosages and safety approvals.

██████ – Amendment. This amendment requests the addition of personnel and a procedure. The committee discussed training of personnel.

██████ – Amendment. This amendment requests the addition of new experiments to look at the role of inhibitor in a lipopolysaccharide induced model. The committee discussed safety approvals.
A member with a conflict of interest was recused during the review of this protocol.

All motions were approved unanimously unless otherwise indicated.

The meeting was adjourned at 2:50pm.

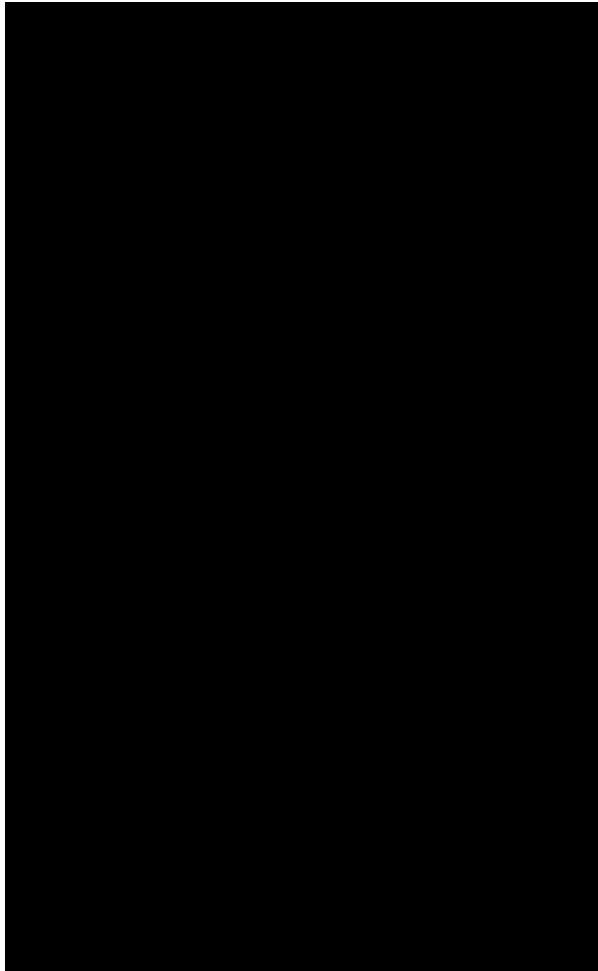


Minority Opinions: None



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S. B. McRae

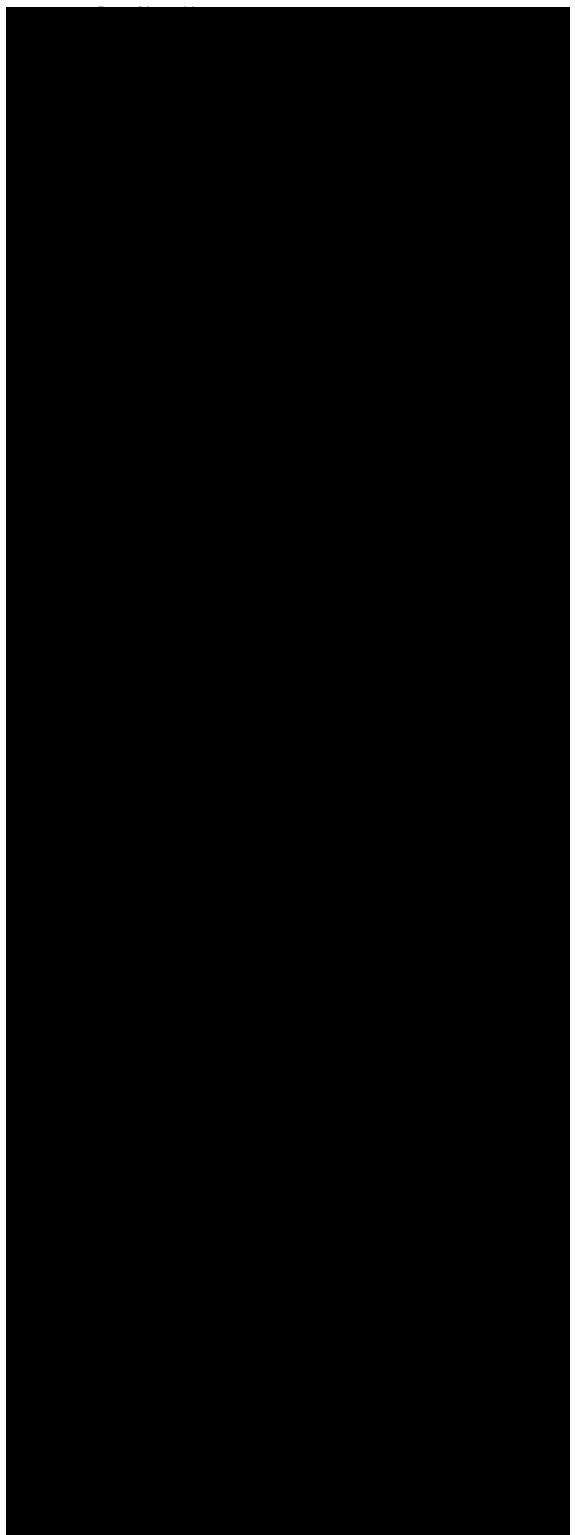
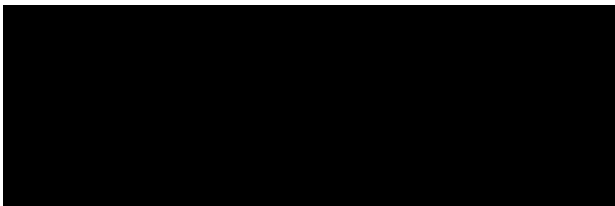
Susan McRae, Ph.D.
Department of Biology

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Dorcias O'Rourke

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Dorcias O'Rourke, DVM
Department of Comparative Medicine





ANIMAL CARE AND USE COMMITTEE MEETING MINUTES

November 16, 2020

I. OPENING:

The Animal Care and Use Committee met at 1:00pm on Monday, October 19, 2020, and was held as a virtual meeting due to the pandemic COVID-19. Dr. Susan McRae (Chair) presided with the following members in attendance:

[REDACTED], Dorcas
O'Rourke, DVM, [REDACTED]

[REDACTED] Also present was [REDACTED]. The Animal Care and Use Committee October minutes were read and unanimously approved. The next meeting is scheduled for December 14, 2020 at 1:00 PM.

II. REPORTS FROM CHAIR AND UNIVERSITY VETERINARIAN:

A. Chair – Susan McRae, Ph.D.

1. The Chair presented the lists of protocols and amendments that were approved administratively, by DMR, and by DMR after full committee.

B. University Veterinarian – Dorcas O'Rourke, D.V.M.

1. Dr. O'Rourke provided updates on the current FOIAs.
2. Dr. O'Rourke described how animal care continues to be assured during the pandemic.
3. An update on the [REDACTED] renovations was presented.

III. NEW BUSINESS:

A. Review of Animal Use Protocols

1. The following Animal Use Protocol was approved:

[REDACTED] - This protocol investigates the effects of COVID-19 on dopamine neuron survival.

2. The following Animal Use Protocols require modifications to secure approval:
Designated review of modifications per IACUC SOP will occur unless specified otherwise:



■■■■ – New. This protocol investigates how predator species that differ in their degree of prey specialization affects invertebrate prey diversity across different spatial scales using artificial ponds. The committee discussed training, satellite facility, observations, SOP and safety approval.

■■■■ – New. This protocol determines whether there is a standard relationship between incubation period and egg dimensions. The committee discussed species and animal number justification, and safety approval.
 A member with a conflict of interest was recused during the review of this protocol.

B. Review of Amendments to Animal Use Protocols

1. The following amendments to Animal Use Protocols require modifications to secure approval: *Designated review of modifications per IACUC SOP will occur unless specified otherwise:*

■■■■ – Amendment. This amendment requests the addition of a route for the administration for approved compounds and a change in the method of blood collection. The committee discussed the method and safety approval.

■■■■ – Amendment. This amendment requests the addition of animal strains. The committee discussed strains.

■■■■ – Amendment. This amendment requests the addition of a new procedure and animals. The committee discussed the procedure and safety approval.

■■■■ – Amendment. This amendment requests the addition of new procedures and animals. The committee discussed documentation, personnel roles and responsibilities, and experience.

■■■■ – Amendment. This amendment requests the addition of personnel and increasing the period of animal behavior monitoring to conduct a more thorough study. The committee discussed personnel.

C. Review of Research Proposal

The following research proposal was congruent with approved Animal Use Protocols

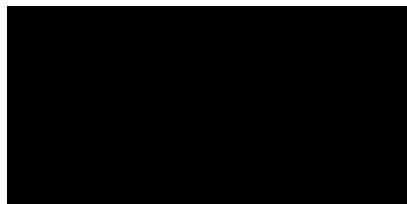
“Improving Survival Rates of Metastatic Melanoma Using a Novel Immunotherapy Approach” – NCBC – congruent with ■■■■



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All motions were approved unanimously unless otherwise indicated.

The meeting was adjourned at 2:00pm.

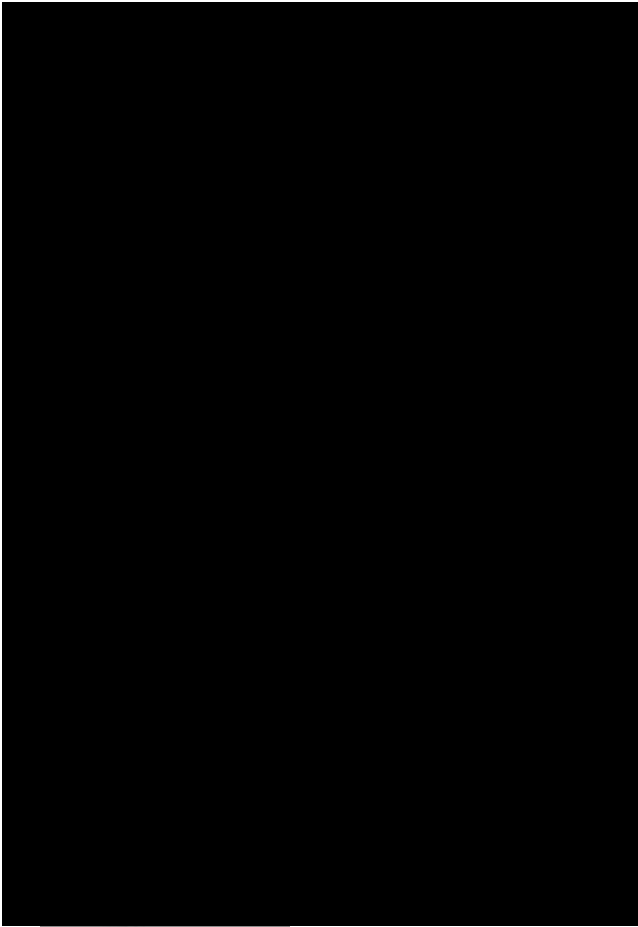


Minority Opinions: None



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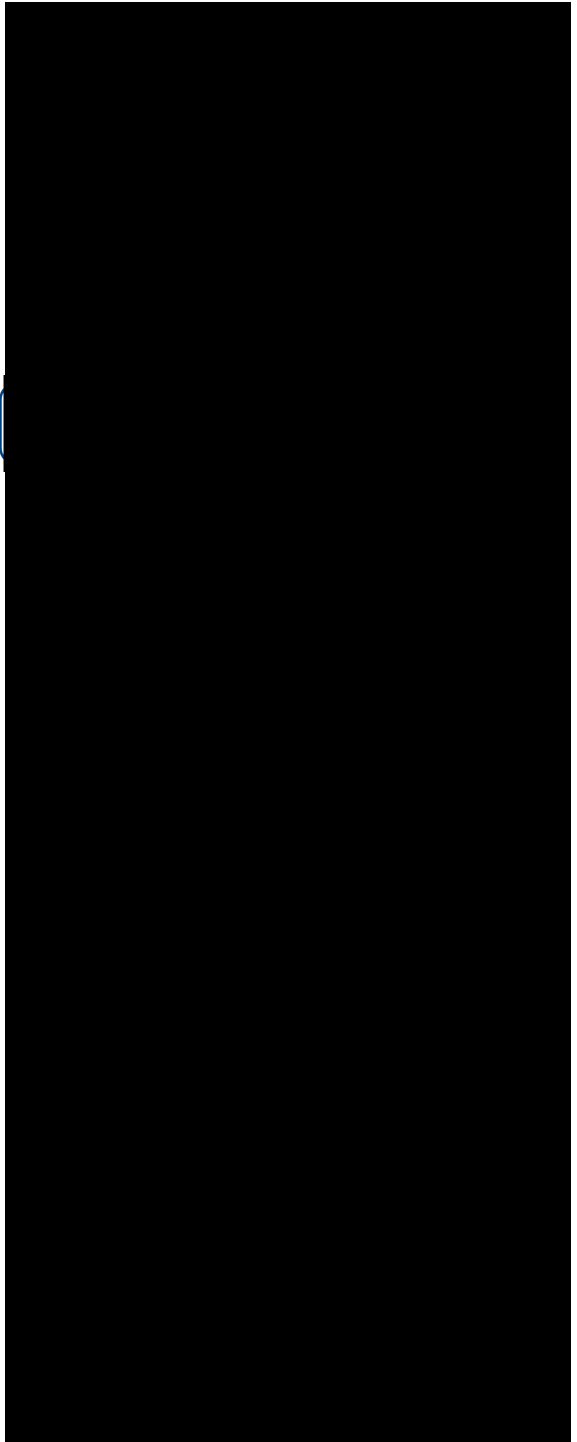
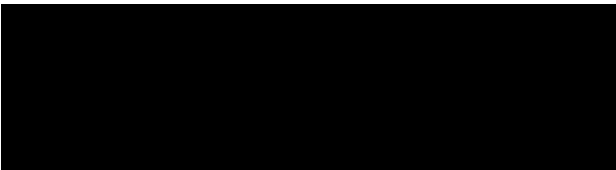
S. B. McRae

Susan McRae, Ph.D.
Department of Biology

Dorcias O'Rourke

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Dorcias O'Rourke, DVM
Department of Comparative Medicine





ANIMAL CARE AND USE COMMITTEE MEETING MINUTES

December 14, 2020

I. OPENING:

The Animal Care and Use Committee met at 1:00pm on Monday, December 14, 2020, and was held as a virtual meeting due to the pandemic COVID-19. Dr. Susan McRae (Chair) presided with the following members in attendance: [REDACTED]

[REDACTED], Dorcas O'Rourke, DVM, [REDACTED]

[REDACTED]

[REDACTED] Also present were [REDACTED]

[REDACTED] The Animal Care and Use Committee November minutes were read and unanimously approved. The next meeting is scheduled for January 25, 2021 at 1:00 PM.

II. REPORTS FROM CHAIR AND UNIVERSITY VETERINARIAN:

A. Chair – Susan McRae, Ph.D.

1. The committee discussed and approved the schedule for the IACUC meetings from January 2021 to June 2021.
2. The Chair presented the lists of protocols and amendments that were approved administratively, by DMR, and by DMR after full committee.
3. Annual review forms were presented and approved.
Note: A member with a conflict of interest was recused during the review of the annual review forms.

B. University Veterinarian – [REDACTED] for Dorcas O'Rourke, D.V.M.

1. [REDACTED] provided updates on the current FOIAs and Animal Care operations during Covid-19.
2. An update on the [REDACTED] renovations was presented. The [REDACTED] is now operational.
3. [REDACTED] gave an update on her research as unforeseen results emerged and commended the animal care staff and the DCM veterinarians for their outstanding work.

III. NEW BUSINESS:

A. Review of Animal Use Protocols

1. The following Animal Use Protocols require modifications to secure approval:



Designated review of modifications per IACUC SOP will occur unless specified otherwise:

██████ - This protocol investigates baseline control studies for a Covid-19 susceptible animal model and its effects on cardiovascular disease outcomes. The committee discussed animal number and number justification, and procedures.

B. Review of Amendments to Animal Use Protocols

1. The following amendment to Animal Use Protocol was approved:

██████ - This amendment requests a new breeding strategy.

2. The following amendments to Animal Use Protocols require modifications to secure approval: *Designated review of modifications per IACUC SOP will occur unless specified otherwise:*

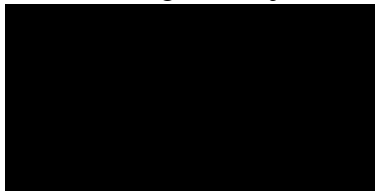
██████ – Amendment. This amendment requests the addition of compounds that target mitochondrial metabolism in cancer. The committee discussed procedures, animal number, and safety approval.

██████ – Amendment. This amendment requests the addition of two strains and an increase in animal number. The committee discussed safety approval.
Note: A member with a conflict of interest was recused during the review of this protocol.

██████ – Amendment. This amendment requests the addition of new procedures to evaluate the effect of COVID-19 and Parkinson’s Disease symptoms. The committee discussed procedures and safety approval.

All motions were approved unanimously unless otherwise indicated.

The meeting was adjourned at 2:03pm.



Minority Opinions: None



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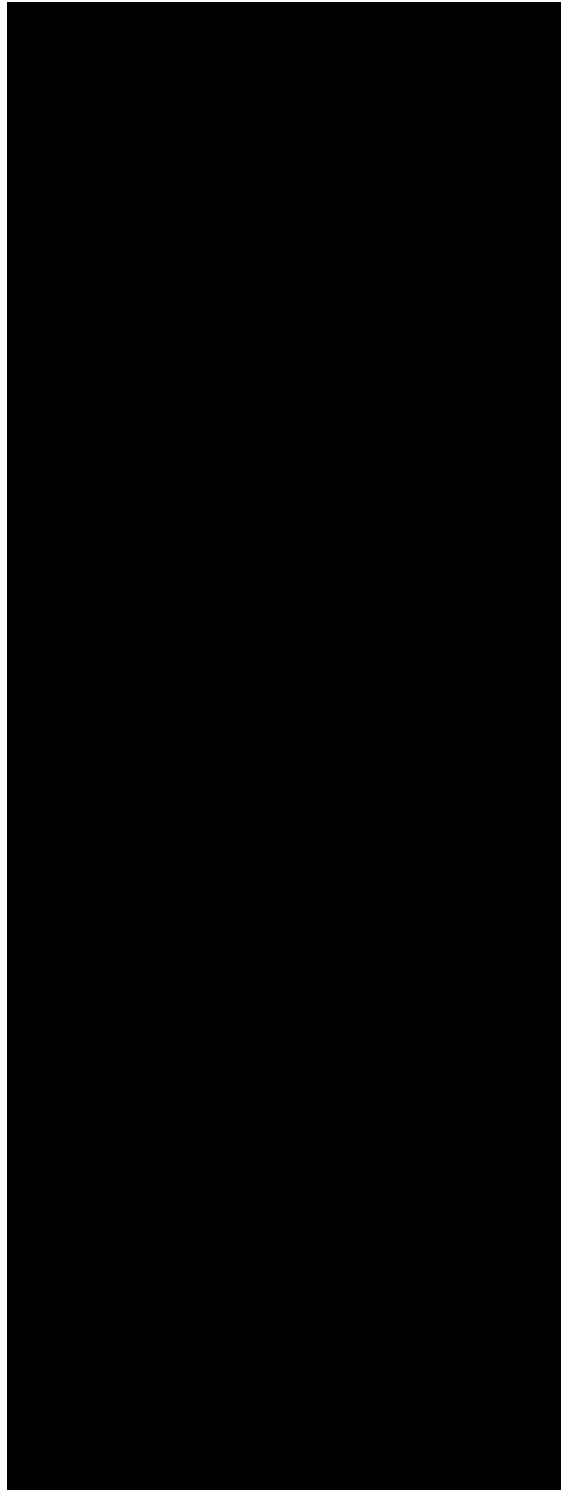
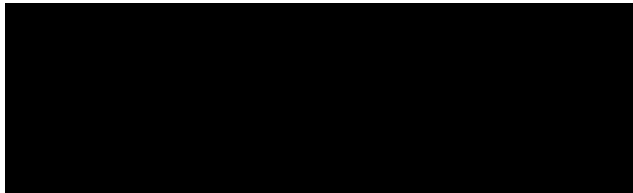
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