To: animal-l

Subject: October IACUC meeting

Date: Monday, September 17, 2018 1:37:53 PM

Good afternoon all-

We need to schedule our next IACUC meeting. I'm currently looking at Wednesday, October 10 at noon. I apologize for the noon meeting but we have a few conflicts with schedules that day.

Please let me know if this is acceptable.

Thanks, Courtney

--

To: animal-l

Subject: IACUC meeting tomorrow

Date: Tuesday, October 9, 2018 9:22:11 AM

Good morning-

Just a reminder that we have an IACUC meeting tomorrow at noon (12 PM) in usual conference room on the floor of the building.

If you get a chance, please review the agenda and the previous meeting's minutes, both are posted to IRBNet. Select the "10/10/2018" agenda date.

The semi-annual inspection of the ACF will take place following the meeting. I will need at least two members to conduct this inspection.

Thank you and see you tomorrow,

Courtney

--

To: <u>animal-l@mtu.edu</u>

Subject: Satellite facility inspections

Date: Tuesday, October 23, 2018 5:21:17 PM

All-

We will be inspecting two satellite animal facilities on Thursday, 10/25, at 1PM and 2PM. The location is the building, room respectively.

Any IACUC member who wishes to attend is welcome.

Let me know if you have questions.

Thanks, Courtney

To: <u>animal-l@mtu.edu</u>

Subject: Reminder to review project on April 2019 agenda

Date: Wednesday, November 7, 2018 9:56:05 AM

Good morning-

Just a friendly reminder to review is the Designated Reviewer; all other committee members are welcome to review and leave comments. Reviews are due by Friday, November 9, at noon. If you need help, please contact me.

Thanks, Courtney

--

To: <u>animal-l</u>

Subject: IACUC meeting needed

Date: Wednesday, February 13, 2019 3:16:41 PM

Good afternoon all,

One of the projects that was recently submitted, "Molecular Insight and Pharmacological Approach Targeting Mitochondrial Dynamics in Myocardial Ischemia/Reperfusion Injury" has been referred to the full board for review.

Due to a tight project timeline, we need to schedule a full board meeting sooner than our usual April meeting.

Next Thursday, February 21 at 8AM is a potential meeting time.

Please let me know if this would work for you. If it does not, I would appreciate some alternate dates and times that do work.

Thanks, Courtney

--

To: animal-l

Subject: Re: IACUC meeting needed

Date: Thursday, February 14, 2019 10:29:33 AM

Good morning all,

Our IACUC meeting is scheduled for **Thursday, February 21 at 8AM** in (the usual room). Please take a look at this project ("Molecular Insight and Pharmacological Approach Targeting Mitochondrial Dynamics in Myocardial Ischemia/Reperfusion Injury"). It is now under its own agenda date, 2-21-2019. Leave any comments or questions you have in IRBNet, so that I can compile them and we can discuss them at the meeting.

The researcher will be joining us at about 8:30 to answer any questions we have for her.

Please let me know if you have any questions.

Courtney

On Wed, Feb 13, 2019 at 3:16 PM Courtney Holzberger < crholzbe@mtu.edu wrote: Good afternoon all,

One of the projects that was recently submitted, "Molecular Insight and Pharmacological Approach Targeting Mitochondrial Dynamics in Myocardial Ischemia/Reperfusion Injury" has been referred to the full board for review.

Due to a tight project timeline, we need to schedule a full board meeting sooner than our usual April meeting.

Next Thursday, February 21 at 8AM is a potential meeting time.

Please let me know if this would work for you. If it does not, I would appreciate some alternate dates and times that do work.

Thanks, Courtney

--

Courtney R. Holzberger, '15, '18, MBA, RLATG ACF Supervisor & IACUC Coordinator Compliance, Integrity, and Safety Environmental Health and Safety Michigan Technological University

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Courtney R. Holzberger, '15, '18, MBA, RLATG ACF Supervisor & IACUC Coordinator Compliance, Integrity, and Safety Environmental Health and Safety Michigan Technological University

To: <u>animal-l</u>

Subject: IACUC meeting reminder + reminder to pre-review if possible

Date: Monday, February 18, 2019 12:24:19 PM

Good afternoon everyone,

Just a quick reminder that our IACUC meeting is this Thursday at 8AM in have not already done so and have the time, please leave any comments or questions in IRBNet. This will help the PI come to the meeting prepared to answer our questions. As usual, the PI will not know which specific committee member the questions/comments come from.

Thank you, Courtney

--

To: <u>animal-l@mtu.edu</u>
Subject: IACUC meeting

Date: Tuesday, April 2, 2019 10:59:02 AM

Good morning all, it's time to schedule our semi-annual IACUC meeting. After checking with a few of you (and checking Google Calendars), we should be able to make next Wednesday, April 10, from 11-12 work for a meeting. We will meet in the building (the usual room). Please let me know if you have any questions. I will send a Google Calendar invitation shortly.

We will review projects from the last few months and conduct an ACF inspection after the meeting.

Thanks, Courtney

To: animal-l

Subject: documents for Wednesday"s meeting
Date: Monday, April 8, 2019 10:24:34 AM

Attachments: T Wolf - Summary of ISRO moose captures Feb 2019.pdf

October 2018 Meeting Minutes.pdf

April Agenda 2019.pdf

Good morning all-

Please take a minute to look through the attached documents prior to our Wednesday morning meeting. Bring any questions you may have to the meeting for discussion.

Attached documents:

Meeting agenda

October meeting minutes

Report from lead veterinarian on the Isle Royale moose study

Our meeting is Wednesday at 11AM in

(the usual room).

Thanks, Courtney

--

Michigan Tech University Animal Committee (IACUC)

AGENDA

April 10, 2019 9:00 AM



ITEMS

- 1 Attendee Roll Call
- 2 Review of Previous Minutes
- 3 Review last semi-annual inspection report
- 4 Reviews since last meeting
 - 4.1 [1343610-1] Effects of Maxillary Microchemistry Protocol on Brook Trout

PI:

Reference Number: L0284

Submission Type: New Project

Review Type: Designated Member Review

Action: Information Required

Effective Date: November 9, 2018

Project Status: Deferred - Information Required

Remarks: Reviewed via DMR, was the assigned reviewer,

left comments as well. Questions- addressed in

subsequent package.

4.2 [1343610-2] Effects of Maxillary Microchemistry Protocol on Brook Trout

PI:

Reference Number: L0284

Submission Type: Response/Follow-Up

Review Type: Designated Member Review

Action: Approved

Effective Date: December 5, 2018

Project Status: Active

Project Expiration: December 6, 2019

Remarks: Reviewed via DMR-

4.3 [1357794-1] Improving the resiliency and sustainability of agroecosystems through improved understanding of bird ecosystem services and landscape pattern PI: Reference Number: L0286 USDA Sponsor: **Submission Type: New Project Review Type:** Designated Member Review Action: Information Required **Effective Date:** December 6, 2018 Deferred - Information Required **Project Status:** Remarks: Reviewed via DMR, . Questions. 4.4 [1357794-2] Improving the resiliency and sustainability of agroecosystems through improved understanding of bird ecosystem services and landscape pattern PI: Reference Number: L0286 **USDA** Sponsor: Submission Type: Response/Follow-Up **Review Type:** Designated Member Review Action: Approved **Effective Date:** December 7, 2018 **Project Status:** Active **Project Expiration:** December 6, 2019 Remarks: New project, reviewed via DMR, . All questions from package 1 were answered. 4.5 [941560-5] Wirelessly Actuated Fixation Plate to Deliver Fully Customized Mechanical Loading Profiles for Enhanced Osteogenesis and Vascularization in Bone Healing PΙ· Reference Number: L0273 **Submission Type:** Amendment/Modification **Review Type:** Designated Member Review Action: Approved **Effective Date:** November 28, 2018 **Project Status:** Active **Project Expiration:** October 8, 2019 Remarks: Minor revision, assigned to R. Vollrath.

PI:

Reference Number: L0283

Submission Type: New Project

Review Type: Designated Member Review

Action: Approved

Effective Date: January 2, 2019

Project Status: Active

Project Expiration: January 2, 2020

Remarks: Reviewed via DMR. This went through the National Park Service

IACUC prior to MTUs.

4.7 [1414057-1] Quantifying seasonal pollutant bioaccumulation in Lake Manganese Yellow Perch (Perca flavescens)

PI:

Reference Number: L0287

Sponsor: MTU start-up funds

Submission Type: New Project

Review Type: Designated Member Review

Action: Approved Effective Date: April 2, 2019

Project Status: Active

Project Expiration: April 2, 2020

Remarks: Reviewed via DMR, . Approved.

4.8 [1357369-2] Molecular Insight and Pharmacological Approach Targeting Mitochondrial Dynamics in Myocardial Ischemia/Reperfusion Injury

PI:

Reference Number: L0285

Sponsor: American heart Association

Submission Type: New Project

Review Type: Designated Member Review

Action: Modifications Required

Project Status: Deferred - Modifications Required

March 11, 2019

Remarks: Reviewed via DMR, R. Vollrath. Information and modifications required.

4.9 [380482-23] Vascular Materials

Effective Date:

PI:

Reference Number: L0182

Submission Type: Amendment/Modification

Review Type: Designated Member Review

Action: Approved

Effective Date: March 22, 2019

Project Status: Active

Project Expiration: October 30, 2019

Remarks: Addition of animal numbers and mice to procedure. Reviewed via DMR

(C. Holzberger).

4.10 [380482-25] Vascular Materials

PI: L0182

Submission Type: Amendment/Modification

Review Type: Designated Member Review

Action: Information Required

Effective Date: April 8, 2019

Project Status: Active

Project Expiration: October 30, 2019

Remarks: Reviewed via DMR, . Clarifications/information required.

4.11 [393610-20] Neural mechanisms of sympathetic activation by high salt intake

PI:

Reference Number: L0209

Submission Type: Amendment/Modification

Review Type: Designated Member Review

Action: Approved

Effective Date: February 15, 2019

Project Status: Active

Project Expiration: October 31, 2019

Remarks: Addition of different anesthetic induction drugs, reviewed via DRM, R.

Vollrath.

5 Administrative Processing

5.1 [339314-8] Mechanistic Basis of Glycan-mediated Biological Functions

PI:

Reference Number: L0222 M0957

Submission Type: Amendment/Modification

Review Type: Administrative Review

Action: Approved

Effective Date: November 15, 2018

Project Status: Active

Project Expiration: May 17, 2019

Remarks: Personnel additions

5.2 [511099-22] The role of (pro)renin receptor in hypertension and associated heart dysfunction

PI:

Reference Number: L0250

Sponsor: American Heart Association
Submission Type: Amendment/Modification

Review Type: Administrative Review

Action: Approved

Effective Date: January 2, 2019

Project Status: Active

Project Expiration: October 10, 2019

Remarks: Personnel addition and animal transfer form.

5.3 [368493-19] Role of micro-30d in transgenic mice

PI:

Reference Number: L0228

Submission Type: Amendment/Modification

Review Type: Administrative Review

Action: Approved

Effective Date: January 10, 2019

Project Status: Active

Project Expiration: August 22, 2019

Remarks: Personnel addition.

5.4 [393610-18] Neural mechanisms of sympathetic activation by high salt intake

PI:

Reference Number: L0209

Submission Type: Amendment/Modification

Review Type: Administrative Review

Action: Approved

Effective Date: January 16, 2019

Project Status: Active

Project Expiration: October 31, 2019

Remarks: Personnel addition.

PI: Reference Number: L0280 Sponsor: **NINDS Submission Type:** Amendment/Modification **Review Type:** Administrative Review Action: Approved **Effective Date:** January 17, 2019 **Project Status:** Active **Project Expiration:** July 30, 2019 Remarks: Personnel addition. 5.6 [639703-9] Achilles Tendon Repair with Mussel Inspired Bioadhesives PI: Reference Number: L0260 Submission Type: Amendment/Modification **Review Type:** Administrative Review Action: Acknowledged **Effective Date:** February 5, 2019 **Project Status:** Active **Project Expiration:** September 18, 2019 Remarks: Personnel removal/addition. 5.7 [393610-19] Neural mechanisms of sympathetic activation by high salt intake PI: Reference Number: L0209 Submission Type: Other **Review Type:** Administrative Review Action: Acknowledged **Effective Date:** January 22, 2019 **Project Status:** Active October 31, 2019 **Project Expiration:** Remarks: Animal transfer form. 5.8 [941560-6] Wirelessly Actuated Fixation Plate to Deliver Fully Customized Mechanical Loading Profiles for Enhanced Osteogenesis and Vascularization in Bone Healing PI: L0273 Reference Number: Submission Type: Amendment/Modification

[1284566-3] Functional Dissection of Pallidal Circuits in Therapeutic Deep Brain Stimulation

5.5

Review Type: Administrative Review

Action: Acknowledged Effective Date: March 5, 2019

Project Status: Active

Project Expiration: October 8, 2019

Remarks: Personnel addition.

5.9 [380482-24] Vascular Materials

PI:

Reference Number: L0182

Submission Type: Amendment/Modification

Review Type: Administrative Review

Action: Acknowledged

Effective Date: March 22, 2019

Project Status: Active

Project Expiration: October 30, 2019

Remarks: Addition of personnel for training.

6 Renewals with changes

6.1 [319402-12] Role of micro-30d in insulin gene expression in pancreatic beta cells

PI:

Reference Number: L0219

Submission Type: Continuing Review/Progress Report

Review Type: Administrative Review

Action: Approved

Effective Date: February 8, 2019

Project Status: Active

Project Expiration: February 27, 2020

Remarks: Renewal with only personnel changes.

6.2 [581244-8] Subcutaneous Implantation of Nitric-Oxide-Releasing Biomaterial in Rat

PI:

Reference Number: L0255

Submission Type: Continuing Review/Progress Report

Review Type: Administrative Review

Action: Approved

Effective Date: March 26, 2019

Project Status: Active

Project Expiration: March 26, 2020

Remarks: Renewal with only personnel changes.

7 Renewals with no changes

7.1 [393610-17] Neural mechanisms of sympathetic activation by high salt intake

PI:

Reference Number: L0209

Submission Type: Continuing Review/Progress Report

Review Type: Administrative Review

Action: Approved

Effective Date: October 29, 2018

Project Status: Active

Project Expiration: October 31, 2019

Remarks: Renewed with no changes.

7.2 [366864-18] Neural mechanisms of sympathetic activation and hypertension by alcohol

intake

PI:

Reference Number: L0227

Submission Type: Continuing Review/Progress Report

Review Type: Administrative Review

Action: Approved

Effective Date: March 5, 2019

Project Status: Active

Project Expiration: March 20, 2020

Remarks: Renewal with no changes.

7.3 [435344-8] Harvesting chondrons from bovine knee joints and purchasing human

chondrocytes

PI:

Reference Number: L0247

Submission Type: Continuing Review/Progress Report

Review Type: Administrative Review

Action: Approved

Effective Date: February 8, 2019

Project Status: Active

Project Expiration: February 20, 2020

Remarks: Renewal with no changes.

7.4 [311932-9] Monitoring Isle Royale Wolves with VHF Radio Collars

PI:

Reference Number: L0218 **Sponsor:** NPS, NSF

Submission Type: Continuing Review/Progress Report

Review Type: Administrative Review

Action: Approved

Effective Date: January 25, 2019

Project Status: Active

Project Expiration: March 5, 2020

Remarks: Renewal with no changes.

7.5 [356395-15] Subcutaneous Implantation - Rat

PI:

Reference Number: L0241 Sponsor: NIH

Submission Type: Continuing Review/Progress Report

Review Type: Administrative Review

Action: Approved

Effective Date: January 8, 2019

Project Status: Active

Project Expiration: January 8, 2020

Remarks: Renewal with no changes.

7.6 [403593-10] Small Diameter Vessel Regeneration by Biomimetic Engineering

PI:

Reference Number: L0234 M0849E R094

Submission Type: Continuing Review/Progress Report

Review Type: Administrative Review

Action: Approved

Effective Date: January 10, 2019

Project Status: Active

Project Expiration: January 17, 2020

Remarks: Renewed with no changes.

7.7 [563737-6] ENG3200 Duck Demonstration

PI:

Reference Number: L0254

Submission Type: Continuing Review/Progress Report

Review Type: Administrative Review

Action: Approved

Effective Date: December 21, 2018

Project Status: Active

Project Expiration: January 17, 2020

Remarks: Renewed with no changes.

7.8 [828996-7] Cutaneous Wound Healing by Manipulating Redox Chemistry of Biomimetic

Adhesive

PI: L0270

Submission Type: Continuing Review/Progress Report

Review Type: Administrative Review

Action: Approved

Effective Date: December 5, 2018

Project Status: Active

Project Expiration: December 6, 2019

Remarks: Renewal with no changes.

7.9 [394752-7] real-time ultrasonic monitoring of tumor ablation

PI:

Reference Number: L0244

Sponsor: National Cancer Institute, NIH

Submission Type: Continuing Review/Progress Report

Review Type: Administrative Review

Action: Approved

Effective Date: October 24, 2018

Project Status: Active

Project Expiration: October 29, 2019

Remarks: Renewed with no changes.

7.10 [394822-7] Flow analysis in a canine aneurysm model

PI:

Reference Number: L0243

Submission Type: Continuing Review/Progress Report

Review Type: Administrative Review

Action: Approved

Effective Date: October 24, 2018

Project Status: Active

Project Expiration: October 23, 2019

Remarks: Renewed with no changes.

7.11 [400901-17] NEURAL MECHANISMS OF SYMPATHETIC ACTIVATION IN SALT-SENSITIVE HYPERTENSION

PI:

Reference Number: L0245

Submission Type: Continuing Review/Progress Report

Review Type: Administrative Review

Action: Approved

Effective Date: October 29, 2018

Project Status: Active

Project Expiration: November 28, 2019

Remarks: Renewed with minor changes, one personnel addition.

7.12 [390291-8] Rodent Sentinel Animal Use in ACF

PI: Courtney Holzberger, BS

Reference Number: L0231

Sponsor: internal funding

Submission Type: Continuing Review/Progress Report

Review Type: Administrative Review

Action: Approved

Effective Date: October 17, 2018

Project Status: Active

Project Expiration: October 17, 2019

Remarks: Renewed with no changes.

7.13 [716655-13] Evaluation of Broadly Protective Next-generation Human Papillomavirus (HPV) Vaccines

PI:

Reference Number: L0264

Submission Type: Continuing Review/Progress Report

Review Type: Administrative Review

Action: Approved

Effective Date: March 18, 2019

Project Status: Active

Project Expiration: March 19, 2020

Remarks: Renewal with no changes.

8 Adverse Events

- 9 Other Business
- 10 Adjourn
- 11 Semi-annual inspection of the Animal Care Facility

Michigan Tech University Animal Committee (IACUC)

MEETING MINUTES

October 10, 2018



The meeting was called to order on October 10, 2018 at 12:14 PM and a quorum was present.

ΑT	TEN	IDA	NCE

Voting Members Present:
Courtney Holzberger
R Vollrath
Non-Voting Attendees, Staff and Guests Present:
Recording:

ITEMS

1 Attendee Roll Call

Courtney Holzberger

2 Review of Previous Minutes

Motion:

Second: Vollrath

3 Review last semi-annual inspection report

Motion:

Second:

- 4 Reviews since last meeting
 - 4.1 [1216906-1] Detection of migratory fish in tributaries

PI:

Reference Number: L0278

Sponsor: none at this time **Submission Type:** New Project

Review Type: Designated Member Review

Action: Information Required

Effective Date: April 11, 2018

Project Status: Deferred - Information Required

4.2 [1216906-2] Detection of migratory fish in tributaries

PI:

Reference Number: L0278

Sponsor: none at this time **Submission Type:** Response/Follow-Up

Review Type: Designated Member Review

Action: Approved

Effective Date: May 18, 2018

Project Status: Active

Project Expiration: May 17, 2019

Discussion and Remarks:

Approved after verifying that a permit was issued for this project.

4.3 [1217507-1] Advanced Wound Healing

PI:

Reference Number: L0279

Submission Type: New Project

Review Type: Full Committee Review
Action: Information Required

Effective Date: June 11, 2018

Project Status: Deferred - Information Required

Discussion and Remarks:

Full committe review. R. Vollrath. C. Holzberger. Extensive list of questions for the PI.

4.4 [1217507-2] Advanced Wound Healing

PI:

Reference Number: L0279

Submission Type: Response/Follow-Up

Review Type: Full Committee Review

Action: Approved

Effective Date: August 24, 2018

Project Status: Active

Project Expiration: August 23, 2019

Discussion and Remarks:

Follow up to previous package with comments, committee reviewed again and agreed that all questions were answered.

4.5 [511099-19] The role of (pro)renin receptor in hypertension and associated heart dysfunction

PI:

Reference Number: L0250

Sponsor: American Heart Association
Submission Type: Amendment/Modification

Review Type: Designated Member Review

Action: Approved Effective Date: July 20, 2018

Project Status: Active

Project Expiration: October 11, 2018

Discussion and Remarks:

Designated member: R. Vollrath.

4.6 [1284566-1] Functional Dissection of Pallidal Circuits in Therapeutic Deep Brain Stimulation

PI:

Reference Number: L0280
Sponsor: NINDS

Submission Type: New Project

Review Type: Full Committee Review
Action: Information Required

Effective Date: July 16, 2018

Project Status: Deferred - Information Required

Discussion and Remarks:

Full Committee Review. C. Holzberger, and R. Vollrath all reviewed. Questions were asked of the Pl. Notably, use of painkillers, anesthetics, and location of surgery.

4.7 [1284566-2] Functional Dissection of Pallidal Circuits in Therapeutic Deep Brain Stimulation

PI:

Reference Number: L0280 Sponsor: NINDS

Submission Type: Response/Follow-Up

Review Type: Designated Member Review

Action: Approved Effective Date: July 31, 2018

Project Status: Active

Project Expiration: July 30, 2019
Next Report Due: July 29, 2019

Discussion and Remarks:

Initial package went to FCR. Those with questions reviewed this package and indicated that their questions were answered satisfactorily. R. Vollrath,

4.8 [1299143-1] BL4440 - Fish Biology Laboratory - Field sampling of fishes in Rivers and Lakes of Michigan's Upper Peninsula

PI:

Reference Number: L0281

Sponsor: N/A Instructional course BL4440

Submission Type: New Project

Review Type: Designated Member Review

Action: Approved

Effective Date: August 1, 2018

Project Status: Active

Project Expiration: July 31, 2019

Discussion and Remarks:

DMR: . No questions.

4.9 [1307331-1] Effects of different forest management strategies on wildlife communities in Michigan ☐s Upper Peninsula

PI:

Reference Number: L0282

Submission Type: New Project

Review Type: Designated Member Review

Action: Approved

Effective Date: September 17, 2018

Project Status: Active

Project Expiration: September 16, 2019

Discussion and Remarks:

5 Administrative Processing

5.1 [380482-20] Vascular Materials

PI:

Reference Number: L0182

Submission Type: Amendment/Modification

Review Type: Administrative Review

Action: Approved Effective Date: June 14, 2018

Project Status: Active

Project Expiration: October 31, 2018

Discussion and Remarks:

Added personnel.

5.2 [716655-12] Evaluation of Broadly Protective Next-generation Human Papillomavirus (HPV) Vaccines

PI:

Reference Number: L0264

Submission Type: Amendment/Modification

Review Type: Administrative Review

Action: Approved Effective Date: July 25, 2018

Project Status: Active

Project Expiration: March 20, 2019

Discussion and Remarks:

Added graduate personnel.

5.3 [380482-21] Vascular Materials

PI:

Reference Number: L0182

Submission Type: Amendment/Modification

Review Type: Administrative Review

Action: Approved

Effective Date: August 2, 2018

Project Status: Active

Project Expiration: October 31, 2018

Discussion and Remarks:

Addition of undergraduate personnel.

5.4 [511099-20] The role of (pro)renin receptor in hypertension and associated heart dysfunction

PI:

Reference Number: L0250

Sponsor: American Heart Association **Submission Type:** Amendment/Modification

Review Type: Administrative Review

Action: Approved

Effective Date: August 20, 2018

Project Status: Active

Project Expiration: October 11, 2018

Discussion and Remarks:

Added personnel, training verified.

5.5 [366864-17] Neural mechanisms of sympathetic activation and hypertension by alcohol intake

PI:

Reference Number: L0227

Submission Type: Amendment/Modification

Review Type: Administrative Review

Action: Approved

Effective Date: September 11, 2018

Project Status: Active

Project Expiration: March 21, 2019

Discussion and Remarks:

Added graduate student personnel. Training verified.

5.6 [400901-16] NEURAL MECHANISMS OF SYMPATHETIC ACTIVATION IN SALT-SENSITIVE HYPERTENSION

PI:

Reference Number: L0245

Submission Type: Amendment/Modification

Review Type: Administrative Review

Action: Approved

Effective Date: September 11, 2018

Project Status: Active

Project Expiration: November 29, 2018

Discussion and Remarks:

Added graduate student personnel.

6 Renewals with changes

7 Renewals with no changes

7.1 [595132-7] Imaging and mechanical testing of Mammary Gland Tumor in Mice

PI:

Reference Number: L0256

Submission Type: Continuing Review/Progress Report

Review Type: Administrative Review

Action: Approved

Effective Date: April 23, 2018

Project Status: Active

Project Expiration: April 23, 2019

Discussion and Remarks:

Renewed with no changes.

7.2 [941560-4] Wirelessly Actuated Fixation Plate to Deliver Fully Customized Mechanical Loading Profiles for Enhanced Osteogenesis and Vascularization in Bone Healing

PI:

Reference Number: L0273

Submission Type: Continuing Review/Progress Report

Review Type: Administrative Review

Action: Approved

Effective Date: September 27, 2018

Project Status: Active

Project Expiration: October 8, 2019

Discussion and Remarks:

Renewed with no changes.

7.3 [380482-22] Vascular Materials

PI:

Reference Number: L0182

Submission Type: Continuing Review/Progress Report

Review Type: Administrative Review

Action: Approved

Effective Date: September 25, 2018

Project Status: Active

Project Expiration: October 30, 2019

Discussion and Remarks:

Renewed with no changes.

7.4 [639703-8] Achilles Tendon Repair with Mussel Inspired Bioadhesives

PI:

Reference Number: L0260

Submission Type: Continuing Review/Progress Report

Review Type: Administrative Review

Action: Approved

Effective Date: September 13, 2018

Project Status: Active

Project Expiration: September 18, 2019

Discussion and Remarks:

Renewal with no changes.

7.5 [338626-8] Ecology and Restoration of Coaster Brook Trout (Salvelinus fontinalis) in the Salmon Trout River, Marquette County

PI:

Reference Number: L0249

Sponsor: Huron Mountain Wildlife Foundation, National Fish and Wildlife

Foundation

Submission Type: Continuing Review/Progress Report

Review Type: Administrative Review

Action: Approved

Effective Date: August 31, 2018

Project Status: Active

Project Expiration: August 22, 2019

Discussion and Remarks:

Renewed with no changes.

7.6 [1133734-3] Top Down-Bottom Up Control Experiment

PI:

Reference Number: L0276

Submission Type: Continuing Review/Progress Report

Review Type: Administrative Review

Action: Approved

Effective Date: August 20, 2018

Project Status: Active

Project Expiration: October 2, 2019

Discussion and Remarks:

Renewed with no changes

7.7 [372111-8] Wolf/Moose Population Monitoring, Isle Royale Park

PI:

Reference Number: L0093R

Sponsor: National Science Foundation, National Park Service

Submission Type: Continuing Review/Progress Report

Review Type: Administrative Review

Action: Approved

Effective Date: August 20, 2018

Project Status: Active

Project Expiration: September 20, 2019

Discussion and Remarks:

Renewal with no changes-

7.8 [368493-18] Role of micro-30d in transgenic mice

PI:

Reference Number: L0228

Submission Type: Continuing Review/Progress Report

Review Type: Administrative Review

Action: Approved

Effective Date: August 8, 2018

Project Status: Active

Project Expiration: August 22, 2019

Discussion and Remarks:

Renewal with no changes.

7.9 [313373-21] L0210 - "Biomaterial-Based Lymphatic Regeneration"

PI:

Reference Number: L0210 Sponsor: NIH

Submission Type: Amendment/Modification

Review Type: Administrative Review

Action: Approved Effective Date: July 27, 2018

Project Status: Active

Project Expiration: July 25, 2019

Discussion and Remarks:

Renewed with no changes.

7.10 [622109-5] Promoting Nerve Outgrowth through Topographical, Electrical, and Chemical Stimulation

PI:

Reference Number: L0259

Submission Type: Continuing Review/Progress Report

Review Type: Administrative Review

Action: Approved Effective Date: July 16, 2018

Project Status: Active

Project Expiration: July 19, 2019

Discussion and Remarks:

Renewed with no changes. They use early development chicken embroys.

7.11 [588706-7] Impacts of bioenergy development on biodiversity and ecosystem services in the Americas - for purposes of IREU, linked with NSF Award #1019928 (Interactive effects of predation and ecosystem size on arthropod food webs in Hawaiian forests fragmented by lava flows)

PI:

Reference Number: L0257

Sponsor: National Science Foundation

Submission Type: Continuing Review/Progress Report

Review Type: Administrative Review

Action: Approved

Effective Date: June 14, 2018

Project Status: Active

Project Expiration: May 24, 2019

Discussion and Remarks:

Renewed with no changes.

7.12 [1051340-3] Developing Strategies for bringing back the Arctic Grayling in Michigan

PI:

Reference Number: L0274

Sponsor: Michigan Department of Natural Resources

Submission Type: Continuing Review/Progress Report

Review Type: Administrative Review

Action: Approved

Effective Date: May 24, 2018

Project Status: Active

Project Expiration: May 23, 2019

Discussion and Remarks:

Renewal with no modifications.

7.13 [339314-7] Mechanistic Basis of Glycan-mediated Biological Functions

PI:

Reference Number: L0222 M0957

Submission Type: Continuing Review/Progress Report

Review Type: Administrative Review

Action: Approved Effective Date: May 15, 2018

Project Status: Active

Project Expiration: May 17, 2019

7.14 [511099-21] The role of (pro)renin receptor in hypertension and associated heart dysfunction

PI:

Reference Number: L0250

Sponsor: American Heart Association

Submission Type: Continuing Review/Progress Report

Review Type: Administrative Review

Action: Approved

Effective Date: October 1, 2018

Project Status: Active

Project Expiration: October 10, 2019

Discussion and Remarks:

Renewed with no changes.

8 Closures / Terminations

8.1 [1070650-6] In Vivo Antibacterial Orthopaedic Implant Commercialization

PI:

Reference Number: L0275

Sponsor: MiTRAC Grant (MEDC, University of Michigan FFMI)

Submission Type: Closure/Final Report

Review Type: Administrative Review

Action: Closed

Effective Date: May 3, 2018

Project Status: Closed - Project Complete

Discussion and Remarks:

All work took place at another institution, verified closed at Beaumont.

8.2 [775873-4] Vertebrate food web structure and complexity at predator-derived versus humanderived resource hotspots

PI:

Reference Number: L0267 **Submission Type:** Other

Review Type: Administrative Review

Action: Terminated

Effective Date: June 22, 2018

Project Status: Closed - Expired

Discussion and Remarks:

Expired with no response, project has been terminated. No active animals. PI has left university.

9 Adverse Events

No adverse events to report.

10 Other Business

Discussed USDA inspection.

Discussed new lab in _____. It was determined that Vollrath will need to see the lab before work is performed.

Determined that a gas anesthesia protocol should be developed and provided to those working with gas anesthesia.

11 Adjourn

12 Semi-annual inspection of the Animal Care Facility

and C. Holzberger performed the inspection. No issues found.

The meeting adjourned on October 10, 2018 at 12:55 PM.

- 13 -

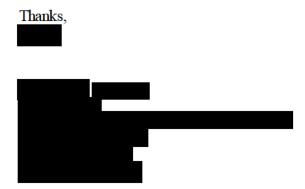
A brief summary of ISRO moose captures.

We captured and collared 20 moose on the island, 10 on the east and 10 on the west end, as planned. Captures occurred over 3 days, with a poor weather day in the middle that delayed progress somewhat. We had two capture teams working for almost all of these, with the helicopter crew (pilot, gunner, and in some situations an additional person from Quicksilver) darting and going in initially to monitor and start collecting samples. The pilot would then shuttle

Immobilizations generally went very well. Induction times were short (generally 2-4min) and the total procedure time was generally less than 20min (from induction to recovery). Body temps were generally 100-101, with the highest body temp observed being 103.5. It seems the short pursuits and rapid induction times really contributed to these ideal body temps. Overall I was happy with the drug combination, although I'm somewhat inclined to lowering the xylazine from 40mg to 30mg next year. In both Grand Portage and ISRO, I observed a few more instances of regurgitation (all mild in severity) than I have seen with the Carfentanil/Xylazine combination.

Complications to report - all non-life-threatening - include one moose with moderate bleeding from the nose and mouth upon capture - unknown origin of the bleeding - though we suspect there may have been some trauma during pursuit, this could not be confirmed on examination. That animal was collared and reversed quickly and observed the following day behaving normally. We also had a mix-up in loading of darts where 6 darts were inadvertently loaded with naltrexone instead of thiafentanil. Two animals were darted with these darts before this mix-up was confirmed (one animal was darted three times and another twice). In both cases the xylazine was sufficient to sedate the animal but not to the level that allowed handling, so both were reversed immediately without collaring and data collection. Fortunately, I was flying with the capture crew when these animals were darted and observed directly the differences in induction, which allowed us to make decisions and respond quickly and appropriately. Both animals recovered without further incident and observed by the spotter planes behaving normally later in the day.

At this point, we're a month out from GP and ISRO captures with all collared animals alive and monitored remotely. Please let me know if there are any clarifications I can make to this report or if any new questions arise.



To: animal-l

Subject: IACUC satellite lab inspections scheduled for next week

Date: Wednesday, April 17, 2019 3:32:28 PM

Good afternoon-

IACUC inspections of our two satellite labs have been scheduled for next week. Any IACUC member who wishes to attend may do so. Please reply to me if you plan to attend so that I know how many people to expect at the inspection.



: Wednesday, April 24 at 1 PM : Thursday, April 25 at 2PM

Thanks, Courtney

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