



# THE UNIVERSITY OF SOUTHERN MISSISSIPPI

## INSTITUTIONAL ANIMAL CARE AND USE COMMITTEE

118 College Drive #5116 | Hattiesburg, MS 39406-0001  
Phone: 601.266.6791 | Fax: 601.266.4377 | iacuc@usm.edu | www.usm.edu/iacuc

### MEETING MINUTES

DATE: December 13, 2018

TIME: 12:00 P.M.

PLACE: TEC 102

MEMBERS PRESENT: Jake Schaefer, PhD, Chair  
Members - [REDACTED], PhD; [REDACTED], PhD; [REDACTED], PhD;  
[REDACTED]; [REDACTED], DVM

MEMBERS & EX-OFFICIO  
NOT PRESENT: [REDACTED], PhD; [REDACTED], Ph.D

EX-OFFICIO PRESENT: [REDACTED]; [REDACTED] PhD; [REDACTED]

PROCEEDINGS: Call to Order: 12:04 P.M.

Jake Schaefer called the meeting to order at 12:04 P.M.

The motion was made by [REDACTED] to accept the minutes from the October 11, 2018 meeting and a second was made by [REDACTED]. October 11, 2018 minutes were approved.

### Protocols:

- [REDACTED] - New - 18121301 - *Mississippi Coastal Sport Fish Studies/Gulf Shark Pupping and Nursery Study*: Revisions needed: Check box on page 2 for collecting of blood samples. Dr. Schaefer will clarify with the PI if blood will be drawn after euthanasia. PI must provide details on disposition of animal carcasses. A motion was made by [REDACTED] to a designated review of the revised protocol and a second was made by [REDACTED]. [REDACTED] will serve as the designated reviewer.
- [REDACTED] - New - 18121302 - *Movement Patterns of Red Drum and Bull Sharks*: PI is to provide details on disposition of animal carcasses and submit CITI certificates for all researchers listed on the protocol.

A motion was made by [REDACTED] to a designated review of the revised protocol and second was made by [REDACTED].  
[REDACTED] will serve as the designated reviewer.

- [REDACTED] - New - 18121303 - *Alternative Stable States Driving Changes in Fish Assemblages in the Pascagoula River* - Correct formatting issues with the degree symbols, address blank database fields (N/A if applicable), revise procedural descriptions to make them less scientific sounding. Provide signature page to the IACUC office. A motion was made by [REDACTED] to a designated review of the revised protocol and second was made by [REDACTED].  
[REDACTED] will serve as the designated reviewer.

[REDACTED] - New - 18121304 - *Monitoring Mississippi's Marine Resources*: Euthanasia box is checked, list drugs and method used. PI should provide details on disposition of animal carcasses. A motion was made by [REDACTED] to a designated review of the revised protocol and second was made by [REDACTED].  
[REDACTED] will serve as the designated reviewer.

Dr. Schaefer announced that all annual reports and semiannual reports have been completed. Next semiannual inspections will begin in May.

Jake Schaefer adjourned the meeting at 12:33 P.M.

The next meeting will be January 10, 2019.

Action taken between full committee meeting on October 11, 2018 and December 13, 2018:

Designated reviews as noted below:

15101601.1 -Modification (replaces 15101601) - [REDACTED] -  
16031002.1- [REDACTED]



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### MEETING MINUTES

DATE: March 21, 2019

TIME: 12:00 P.M.

PLACE: JST 718

MEMBERS PRESENT: Jake Schaefer, PhD, Chair

Members - [REDACTED], PhD; [REDACTED], PhD; [REDACTED], PhD; [REDACTED], PhD; [REDACTED], PhD

MEMBERS & EX-OFFICIO

NOT PRESENT:

[REDACTED], DVM; [REDACTED], [REDACTED], [REDACTED], PhD

EX-OFFICIO PRESENT:

[REDACTED]; [REDACTED]

PROCEEDINGS: Call to Order: 12:06 P.M.

Jake Schaefer called the meeting to order at 12:06 P.M.

The motion was made by [REDACTED] to accept the minutes from the December 13, 2018 meeting and a second motion was made by [REDACTED]. December 13, 2018 minutes were approved.

#### Protocols:

- [REDACTED] - Modification - 17081101.2 - *A Multiscale Approach to Understanding Migratory Land Bird Habitat Use of Functional Stopover Habitat Types and Management Efforts*: For this modification, the PI is requesting the use of radio telemetry to understand the movement ecology between a stopover site in coastal Louisiana and breeding grounds in the boreal forest as birds migrate during spring. A motion was made by [REDACTED] to accept the modification as submitted, and a second was made by [REDACTED]. The modification was approved by the committee.

## Continuing Reviews:

The committee discussed the following Continuing Review submissions. No significant updates noted-(there were a couple of typos requested).

Designated reviewers as noted below:

- a. 10040801- [REDACTED] - *Biological Sciences Laboratory Courses*
- b. 15102701.1- [REDACTED] - *An Experimental Study of Convergent Evolution and Species Fusion in Replicate Fundulus Hybrid Zones*
- c. 15111301.1- [REDACTED] - *Examining the Health and Wellbeing of Captive Housed Ootomur Garnetti* (the PI had a typo in the narrative - misspelled the word "trials" as "trails". The typo has been corrected)
- d. 16031002 - [REDACTED] - *The Immunopathogenesis of Zika Virus*
- e. 16101302 - [REDACTED] - *Red Snapper and Reef Fish Assessment*
- f. 16101303 - [REDACTED] - *Mississippi Oyster Cultch Restoration Monitoring/Artificial Reef Restoration Assessment of Secondary Production*
- g. 17040601- [REDACTED] - *Confluence Salinity Tolerance of Mosquitofish, Gambusia affinis*
- h. 17040602- [REDACTED] - *Confluence Ratio Size and Changing Patterns In Land-Use as Agents of Habitat Fragmentation and Its Effects on Stream Fish Dispersal*
- i. 17051103- [REDACTED] - *Linking Habitat to Recruitment: Evaluating the Importance of Pelagic Sargassum to Fisheries Management in the Gulf of Mexico* (There was a typo within the PI's name. The typo has been corrected.)
- j. 17051104 - [REDACTED] - *Examining Gorilla Microbiome: Implications for Health and Metabolic Disorders*
- k. 17051105 - [REDACTED] - *Stereotypes as an Adaptive Response to Stress in Garnett's Greater Bushbaby (Ootomur Garnetti)*
- l. 17060801 - [REDACTED] - *Ecology, Conservation, and Population Genetics of Rock Iguanas and Herpetofaunal Biodiversity Survey in the Dominican Republic*
- m. 17081101- [REDACTED] - *A Multiscale Approach to Understanding Migratory Land Bird Habitat Use of Functional Stopover Habitat Types and Management Efforts*

- n. 17110903 – [REDACTED] – *Breeding Transgenic and Wild-Type Control Mice for Viral Pathogenesis Studies*
- o. 17101202 – [REDACTED] – *Population Genetics and Systematics of Freshwater Fishes Herps*
- p. 17101203 – [REDACTED] – *Ecology of Container Mosquitoes*
- q. 18101101 – [REDACTED] – *Mississippi Gopher Frog: *Dermomycoides* spp. Infectivity & Disease Studies* (Continuing review submitted with incorrect protocol number. This has been corrected.)
- r. 18101102 – [REDACTED] – *Collection, Maintenance, Life Histories, Taxonomy, and Experimental Studies with Parasites, Disease-causing Agents, and Host Biology of Fishes* (Continuing review submitted with incorrect protocol number. This has been corrected.)

Dr. Schaefer announced that semiannual inspections will begin in May after finals week. Dr. Schaefer will email [REDACTED] to schedule dates for inspections at the coast facilities. He will contact Hattiesburg Campus committee members to schedule main campus inspections.

Dr. Schaefer announced that he and [REDACTED] will be out of town for the next scheduled monthly meeting on April 11. Therefore the next scheduled meeting will be on May 9 unless a new protocol or modification is submitted, then the committee may schedule a meeting prior to the May date.

Jake Schaefer adjourned the meeting at 12:23 P.M.

The next meeting will be May 9, 2019.



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Obtained by Rise for Animals. Uploaded 07/07/2020

- [REDACTED] - Modification- 15111301.2-*Examining the Health and Wellbeing of Captive Housed *Otolemur garnettii**: Addition of PIs to the study. A motion was made by [REDACTED] to accept the modification as submitted, and a second was made by [REDACTED]. The modification was approved by the committee.
- [REDACTED]-Modification-17110903.1-*Breeding Transgenic and Wild Type Control Mice for Viral Pathogenesis Studies*: The PI is requesting a change in producing a different type of species that will be utilized by a colleague. The nature of the change was not selected on the form. There were some typos in the details of the modification. A motion was made by [REDACTED] to accept a revised protocol, and a second was made by [REDACTED]. All present approved a designated review of the revised protocol. [REDACTED] was assigned as the designated reviewer.
- [REDACTED]-Modification-17051103.1-*Population Genetics and Freshwater Turtle Community*: The requested modification was the addition of new personnel and the inclusion of claw tip sampling. A motion was made by [REDACTED] to accept the modification as submitted, and a second was made by [REDACTED]. The modification was approved by the committee.
- [REDACTED]-New-19041801-S-*Vector Tick Transmission of Pathogens and Pathogenesis*: The committee has asked the PI for the following revisions: Justification and clarification for the number of ticks per host. Justification for the number of mice used, explain why no anesthetic is required for mice, provide the method of euthanasia. Provide the criteria for determining when a mouse is in distress leading to euthanasia, clarify why "death as an end point" was checked, clarification of length of time the mice will be anesthetized, clarify length of time for restraint, provide a scientific justification for pain category selected. More language that is precise is requested throughout the protocol as well as the correction to several grammatical errors and typos. A motion was made by [REDACTED] to review the revised protocol upon resubmission by the full committee; a second was made by [REDACTED]. The review upon re-submission was approved by the committee.

### Continuing Reviews:

The committee discussed the following Continuing Review submission. No significant updates noted-(there were a couple of typos requested).

Designated reviewers as noted below:

- 17051106-[REDACTED]-*Population Genetics and Freshwater Turtle Community*

Dr. Schaefer announced that he will start scheduling semiannual inspections and will begin in May after finals week.

Jake Schaefer adjourned the meeting at 12:31 P.M.

The next meeting will be May 14, 2019.



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### MEETING MINUTES

DATE: May 14, 2019

TIME: 1:00 P.M.

PLACE: TEC-102

MEMBERS PRESENT: Jake Schaefer, PhD, Chair  
Members - [REDACTED], PhD; [REDACTED], PhD; [REDACTED], PhD; [REDACTED]  
[REDACTED] DVM; [REDACTED]

MEMBERS & EX-OFFICIO  
NOT PRESENT: [REDACTED], PhD; [REDACTED], PhD; [REDACTED], PhD;

EX-OFFICIO PRESENT: [REDACTED]; [REDACTED]; [REDACTED]

PROCEEDINGS: Call to Order: 12:59 P.M.

Jake Schaefer called the meeting to order at 12:59 P.M.

The motion was made by [REDACTED] to accept the minutes from the April 18, 2019 meeting and a second motion was made by [REDACTED]. April 18, 2019 minutes were approved.

#### Protocols:

- [REDACTED] – Revised – 19041801 – *S-Vector Tick Transmission of Pathogens and Pathogenesis*: The sample size still has not been clarified. Inconsistencies remain regarding the anesthetizing of the mice for tick feeding, other species are still named throughout the protocol. Inclusion of methods for intravenous pathogen inoculation should be noted. Revision of criteria for identifying pain or distress leading to euthanasia of mice. The committee has requested the PI to monitor the mice after the first tick feeding to look for signs of distress. Methods for this protocol must be listed on the protocol. A motion was made by [REDACTED] to review the revised protocol upon resubmission by the full committee; a second was made by [REDACTED]. The review upon re-submission was approved by the committee.



- [REDACTED] – New- 19050901-*Decreased AMPK Promotes Chemoresistance by Altered Lipid Mediated Inflammation and Enhanced Stemness in Ovarian Cancer*: Addition of PIs to the study, collaborators should complete the appropriate CITI training. Include a description of how potentially dangerous drugs will be handled in the trials. Death as an endpoint should be moved to an appropriate section of the protocol. Correct typographical errors throughout the protocol. A motion was made by [REDACTED] to accept a revised protocol, and a second was made by [REDACTED]. All present approved a designated review of the revised protocol. [REDACTED] was assigned as the designated reviewer.

Dr. Schaefer announced that semiannual inspections are scheduled for Thursday, May 16 and Friday, May 17.

Jake Schaefer adjourned the meeting at 1:44 P.M.

The next meeting will be June 20, 2019.



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### MEETING MINUTES

DATE: June 20, 2019

TIME: 1:00 P.M.

PLACE: TEC-102

MEMBERS PRESENT: Jake Schaefer, PhD, Chair  
Members - [REDACTED], PhD; [REDACTED], PhD; [REDACTED] DVM; [REDACTED], Ph.D

MEMBERS & EX-OFFICIO  
NOT PRESENT: [REDACTED], PhD; [REDACTED], PhD; [REDACTED]; [REDACTED]

EX-OFFICIO PRESENT: [REDACTED]; [REDACTED]; [REDACTED], PhD

PROCEEDINGS: Call to Order: 12:02 P.M.

Jake Schaefer called the meeting to order at 12:02 P.M.

The motion was made by [REDACTED] to accept the minutes from the May 14, 2019 meeting and a second motion was made by [REDACTED]. May 14, 2019 minutes were approved.

#### Protocols:

- [REDACTED] Revised-19041801 – *S-Vector Tick Transmission of Pathogens and Pathogenesis*: Other species are still named throughout the protocol. There are still several typos and grammatical errors throughout the protocol and appendix's. Clarification of which mice are transgenic (source and strain). Clarify what "PBS" is. Redundant paragraph "Specify what water provisions are". A motion was made by [REDACTED] to review the revised protocol by designated review upon resubmission; a second was made by [REDACTED]. The review by designated review was approved by all committee members present. [REDACTED] has been assigned as the designated reviewer.

- [REDACTED] New-19061401-*Effect of Seagrass Structural Complexity on Predation Success*: The following sections should be unchecked on the application: Disposition of Animal Carcasses and BSL1. In the “Feeding Procedures” section, the “Controlled feeding regimen” should be checked. Correct typographical errors throughout the protocol. A motion was made by [REDACTED] to accept a revised protocol, and a second was made by [REDACTED]. All present approved a designated review of the revised protocol. [REDACTED] has been assigned as the designated reviewer.
- [REDACTED] 17101202.1-*Modification-Population Genetics and Systematics of Freshwater Fishes and Herps*: Clarify what the species or broad group is being added to the modification. A motion was made by [REDACTED] to accept a revised protocol, and a second was made by [REDACTED]. All present approved a designated review of the revised protocol. [REDACTED] has been assigned as the designated reviewer.

Jake Schaefer adjourned the meeting at 12:40 P.M.

The next meeting will be July 11, 2019.

#### **Actions taken between full committee meetings on June 20, 2019 to November 14, 2019:**

Designated reviewers as noted below:

[REDACTED] – New - 19071301 *Lizards as Hosts for Blood Seeking Mosquitoes* – [REDACTED] served as designated reviewer. Protocol #19071301 was approved and an approval letter was sent to the PI on July 17, 2019.

[REDACTED] – Renewal – 19103001 (replaced 16101301) - *Aquatic Toxicological Studies with Small Fish Species* – Jake Schaefer served as designated reviewer. Protocol #19103001 was approved and an approval letter was sent to the PI on October 30, 2019.

[REDACTED] – Modification – 18121302.1 – *Movement Patterns of Red Drum and Bull Sharks* – [REDACTED] served as designated reviewer. The modification request was a change in species. The modification to protocol#18121302.1 was approved and an approval letter was sent to the PI on October 18, 2019.

[REDACTED] – Modification – 17103001.1 – *Development of Aquaculture and Stock Enhancement for Marine Finfish at the Thad Cochran Marine Aquaculture Center* - [REDACTED] served as designated reviewer. The modification request was a change in procedure. Protocol 17103001.1 was approved and an approval letter was sent to the PI on October 30, 2019.

[REDACTED] – Modification – 16031002.2 – *The Immunopathogenesis of Zika Virus* – [REDACTED] served as designated reviewer. The modification request was a change/addition in personnel. The modification to protocol 16031002.2 was approved and an approval letter was sent to the PI on November 8, 2019.

[REDACTED] – Modification – 17110903.1 – *Breeding Transgenic and Wild-type Control Mice for Viral Pathogenesis Studies*. [REDACTED] served as designated reviewer. The modification request was a change/addition in personnel. The modification to protocol 17110903.1 was approved and an approval letter was sent to the PI on November 8, 2019.



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### MEETING MINUTES

DATE: November 14, 2019

TIME: 12:00 P.M.

PLACE: TEC-102

MEMBERS PRESENT: Jake Schaefer, PhD, Chair  
Members - [REDACTED], PhD; [REDACTED], PhD; [REDACTED] DVM; [REDACTED]  
[REDACTED]: PhD, [REDACTED], PhD [REDACTED], PhD; [REDACTED]

MEMBERS & EX-OFFICIO  
NOT PRESENT: [REDACTED]

EX-OFFICIO PRESENT: [REDACTED]; [REDACTED]; [REDACTED], PhD

PROCEEDINGS: Call to Order: 12:01 P.M.

Jake Schaefer called the meeting to order at 12:01 P.M.

The motion was made by [REDACTED] to accept the minutes from the June 20, 2019 meeting and a second motion was made by [REDACTED]. June 20, 2019 minutes were approved.

### Protocols:

- [REDACTED].Renewal.170406.1 – *Salinity Tolerance of Mosquitofish, Gambusia affinis and G.Holbrooki*: The protocol includes an expansion to a 2<sup>nd</sup> species. There is one typo in the “death as an end point” section. A motion was made to approve the renewal by [REDACTED] and a second was made by [REDACTED]. The renewal by was approved by all committee members present.
- [REDACTED]-Renewal-17051104.1-*Examining Gorilla Microbiome: Implications for Health and Metabolic Disorders*: BSL-1 on the application is checked, this section should not be checked. A motion was made

by [REDACTED] to approve by designated review pending the revision, a second was made by [REDACTED]. [REDACTED] will serve as the designated reviewer.

#### **Semi-annual Facility Inspection:**

- The facility inspections were done on October 31, 2019 (Gulf Coast) and November 1, 2019 (Hattiesburg). A motion was made by [REDACTED] to accept the semi-annual facility inspection report as presented; a second was made by [REDACTED]. All committee members approved the semi-annual inspection report.

#### **Other Business:**

- Dr. [REDACTED] announced to the committee that she would be leaving the University of Southern Mississippi at the end of the May, 2020 semester. [REDACTED] is working diligently to find a new home for the Bush Babies. She will provide updates to the IACUC as soon as she has them.

Jake Schaefer adjourned the meeting at 12:20 P.M.

The next meeting will be December 12, 2019.