

## IACUC Meeting Minutes

February 6, 2020 at 2:00 PM

Present: TT, [REDACTED]

Absent: DD

Start: 2:00PM

- I. Review and approve minutes of November 25, 2019 meeting
- II. New protocols and resubmitted protocols from November 25, 2019 to present.
  - A. **19-019:** [REDACTED] - Does the post-dam Colorado River create a barrier to gene flow of amphibians and reptiles in Grand Canyon National Park?
    - Posted PI comments and revisions to Teams February 4, 2020; assign DR for final review
    - Assigned [REDACTED] as DR
  - B. **19-008:** [REDACTED] - Novel topical treatments for skin-residing bacterial infections
    - Cleared vet pre-review
    - Category E Protocol
    - Committee voted to evaluate through the DMR process
    - [REDACTED] will be DR
  - C. **19-018:** [REDACTED] - Native sinus bacterial community composition and protective bacterial species on sinusitis and allergic airway inflammation
    - Cleared vet pre-review
    - Category E Protocol- Committee voted to evaluate through the DMR process
    - SJ will be DR
  - D. **20-001:** [REDACTED] – Vaccine Development
    - Cleared vet pre-review January 28, 2020
    - Out to committee February 4, 2020; comments due back February 12, 2020
- III. Annual and final reviews from November 25, 2019 to present
  - A. **16-012:** [REDACTED] - Biological rhythms of the pocket gopher *Thomomys bottae*
    - **Final Review**; cleared vet pre-review
    - Out to committee for review on February 5, 2020
  - B. **17-014:** [REDACTED] - Natural biological rhythms of the Abert's squirrel *Sciurid aberti* along the human-wildlife boundary
    - **Annual review**
    - Approved January 28, 2020
  - C. **17-015:** Theimer - Teaching Protocol and field trips for mammalogy, ornithology, and herpetology
    - **Annual Review**

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- Cleared vet pre-review;
  - Posted to Teams January 27, 2020
  - Review during committee meeting
- D. **17-003:** [REDACTED] - Ecology, behavior, evolution, biogeography, conservation and ecotoxicology of Alaskan freshwater fishes
- **Annual Review**
  - Approved December 6, 2020
- E. **19-007:** [REDACTED] - Standard field work on turtles and tortoises
- **Annual Review** received February 2, 2020
  - Cleared vet pre-review, out to committee February 5, 2020
- F. **16-011:** [REDACTED] - Application of PPODA-QT for Embolization of Aneurysms
- **Final Review** received February 3, 2020
  - Review during committee meeting
- G. **18-002:** [REDACTED] - A role for titin in active skeletal muscle
- **Annual Review** received January 28, 2020
  - Out to committee for review on February 6, 2020
- IV. Modifications to approved protocols from November 25, 2019 to present.
- A. **16-012:** [REDACTED] - Biological rhythms of the pocket gopher *Thomomys bottae*.
- For transfer of seven chipmunks, *Neotamias cinereicollis* to BSA animal holding protocol #18-011.
  - Approved January 7, 2019
- B. **18-005:** [REDACTED] - Characterization of ecological and captive reproductive and health parameters in unique species of gartersnakes, and herpetological inventories
- For addition of personnel ([REDACTED] [REDACTED])
  - For permission to construct new housing
  - Cleared vet pre-review; committee review due February 5, 2020
- C. **19-009:** [REDACTED] - Gait Transitions in Tetrapod Lineages
- For addition of personnel ([REDACTED])
  - Approved December 30, 2019
- D. **18-018:** [REDACTED] - Healing of full thickness wounds via protein scaffolds seeded with human adipose derived stem cells, Platelet-Rich-Plasma, Mixed protein, and synthetic biomaterials

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- For addition of personnel ( [REDACTED] )
  - For procedure to dispose of Arsenic
  - Approved January 24, 2020
- E. **18-018:** [REDACTED] - Healing of full thickness wounds via protein scaffolds seeded with human adipose derived stem cells, Platelet-Rich-Plasma, Mixed protein, and synthetic biomaterials
- For addition of personnel ( [REDACTED] )
  - For addition of 48 Female *Mus musculus*, strain OVX C57BL/6 (ovariectomized)
  - For Use of ovariectomized (OVX) female mice (*Mus musculus*, strain C57BL/6; Jackson Laboratories) to study the physiological wound healing response in animals exposed to environmentally relevant arsenic concentrations through drinking water and in the presence or absence of a topically applied estrogen as described in the modification request.
  - Approved January 24, 2020
- F. **19-006:** [REDACTED] - "Collaborative Research: Evolution of long-distance communication in vocal rodents (IOS-1755429)"
- For co-housing different species
  - For addition of personnel ( [REDACTED] )
  - Approved November 25, 2020
- G. **19-006:** [REDACTED] - "Collaborative Research: Evolution of long-distance communication in vocal rodents (IOS-1755429)"
- For permission to re-record ABRs/DPOAEs on control/experimentally noise-induced animals to verify that hearing loss was maintained after 2 months
  - For new drug combinations and dose trials to establish safe & effective anesthesia in non-model rodent
  - Approved November 26, 2019
- H. **17-011:** [REDACTED] - Zebrafish developmental biology, genetics, disease modeling, and ecotoxicology
- For oral gavage as a method of drug delivery in juvenile and adult zebrafish
  - For housing zebrafish embryos, larvae, and adults in incubator in Wettaw 205
  - Approved on November 25, 2019
- I. **17-011:** [REDACTED] - Zebrafish developmental biology, genetics, disease modeling, and ecotoxicology
- For addition of personnel ( [REDACTED] )

**IACUC Meeting Minutes**  
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- Approved December 13, 2019
- J. **19-010:** [REDACTED] - Biological characteristics of free-living ground squirrels
  - For addition of personnel ([REDACTED])
  - Approved December 26, 2019
- K. **17-012:** [REDACTED] Coccidioides Exposure and Development of B Cell Chronic Lymphocytic Leukemia (B-CLL) in Eu-TCL-1 transgene-bearing mice
  - For addition of personnel ([REDACTED])
  - For increase in numbers and new mouse strain:
    - 200 mice, strain, Eu-TCL-1: +/-, +/-, -/-
    - 2 mice, strain C57BL/6J: F
    - 3 mice, strain C57&BL/6J: F/M
  - For backcrossing TCL-1 mice with parental wild type mice
  - Approved January 28, 2020
- L. **17-015:** Theimer - Animal presentation and field experiences for Teaching Protocols: Vertebrate Biology, Ornithology, Herpetology, Wildlife Management and Mammalogy.
  - For addition of personnel ([REDACTED])
  - Approved January 09, 2020
- M. **17-015:** Theimer - Teaching Protocol and field trips for mammalogy, ornithology, and herpetology
  - For addition of new target and non-target species
  - Cleared vet pre-review; extended committee review date to February 4, 2020
- N. **18-011:** [REDACTED] – Animal holding between experiments and training for technical animal related procedures at the Biological Sciences Annex (BSA)
  - For a change in PI from [REDACTED]
  - For addition of 7 chipmunks (*Neotamias cinereicollis*)
  - Approved January 8, 2020
- O. **18-018:** [REDACTED] - Healing of full thickness wounds via protein scaffolds seeded with human adipose derived stem cells, Platelet-Rich-Plasma, Mixed protein, and synthetic biomaterials
  - To receive 12 mice of any strain from other approved protocols
  - Approved January 30, 2020
- P. **18-002:** [REDACTED] - A role for titin in active muscle
  - For transfer of mice to approved protocol #18-018
  - Approved January 30, 2020

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Q. **17-011:** [REDACTED] - Zebrafish developmental biology, genetics, disease modeling, and ecotoxicology

- For addition of personnel ([REDACTED])
- Approved February 5, 2020

V. Other Items

- A. [REDACTED] fish room housekeeping and record keeping – will discuss through email
- B. IACUC inspection of new animal holding facility at Sinagua Middle School - will discuss through email
- C. [REDACTED] – skipped animal care day after Thanksgiving –not discussed
- D. With students assisting PIs on protocols and outreach and teaching, what is the policy for training?
- E. TT – Participation of students in animal handling activities and transfer of animals from one protocol to another
- F. Animal transfers between protocols – Discussed adopting a new policy and procedure from Arizona State University IACUC

Meeting adjourned 3:46PM

## IACUC Meeting Minutes

March 6, 2020 at 2:00 PM

In attendance: TT, [REDACTED], KC

Absent: [REDACTED]

Meeting start time: 2:04 PM

Meeting adjourned: 4:52 PM

- I. New protocols and resubmitted protocols from February 6, 2020 to present.
  - A. **19-019:** [REDACTED] - Does the post-dam Colorado River create a barrier to gene flow of amphibians and reptiles in Grand Canyon National Park?
    - Received responses from PI to committee comments, pending approval
  - B. **19-008:** [REDACTED] - Novel topical treatments for skin-residing bacterial infections
    - Approved 2/17/2020
  - C. **19-018:** [REDACTED] - Native sinus bacterial community composition and protective bacterial species on sinusitis and allergic airway inflammation
    - Comments from IACUC committee out to investigator
  - D. **20-002:** [REDACTED] Biological Rhythms of the chipmunk *Neotamias cinereicollis*
    - Out to committee for review on 2/27/2020; comments to PI pending as of 3/5/2020
  - E. **20-001:** [REDACTED] – Vaccine Development
    - Cleared vet pre-review January 28, 2020
    - [REDACTED] will post comments from PI to Teams
- II. Annual and final reviews from February 6, 2020 to present
  - A. **16-012:** [REDACTED] - Biological rhythms of the pocket gopher *Thomomys bottae*
    - **Final Review**
    - Approved 2/12/2020
  - B. **18-002:** [REDACTED] - A role for titin in active skeletal muscle
    - **Annual Review** received January 28, 2020
    - Comments from committee sent to PI 3/4/2020
- III. Modifications to approved protocols from February 6, 2020 to present.
  - A. **19-016:** [REDACTED] - Identifying regional hotspots of the newly emerging parasite *Onchocerca lupi* in Northern Arizona
    - To include a follow up visit to all dogs that test positive for *O. lupi* and conduct a 10mL blood draw.
    - Vet-cleared; In committee review as of March 4, 2020
    - Not discussed during committee meeting

## IACUC Meeting Minutes

March 6, 2020 at 2:00 PM

- B. **18-002:** [REDACTED] – A role for titin in skeletal muscle
  - For addition of personnel ([REDACTED])
  - Approved March 6, 2020
- C. **17-003:** [REDACTED] - Ecology, behavior, evolution, biogeography, conservation and ecotoxicology of Alaskan freshwater fishes
  - For addition of personnel ([REDACTED])
  - Approved March 6, 2020

### IV. Other Items

- A. Missed animal checks [REDACTED]
- B. Report from Barrow Neurological Institute IACUC concerning alleged violation of protocol #16-011 ([REDACTED])
- C. Semi-Annual Inspections- Discussed availability of members
- D. Semi - Annual Program Review – This was completed by the committee during the committee meeting.
  - The following MINOR deficiencies were identified during the program review:
    - Part 5 second point IACUC membership: We are lacking a nonaffiliated non-lab animal user. Plan: Committee members will send names of potential members to Chair. Chair will put together a description of the position and approach the suggested citizens. Timeline: identify and attempt to recruit at least one member by 15 April 2020.
    - Part 6 First point: We lack formal training of new and incoming IACUC members. Plan: Provide all current members with the current IACUC new member packet. Begin review and update of IACUC new member packet. Timeline: All members receive a current packet by May 15, 2020. Reviews and updates of member information packets will be initiated by June and completed by August 2020.
    - Part 6 last point: Ongoing training/education. Plan: Send IACUC coordinator to IACUC 101/201/301 training. Timeline : within next 6mos
    - Part 8 8th point: New veterinarian does not have experience with all animals currently being used at NAU. Plan: new vet will acquire training on those species less familiar to them. Timeline: next 6 months
    - Part 9 5th point: We could offer more continuing education to our animal care staff. Plan: Institutional veterinarian will put together at least one training. Timeline. By August 2020

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TT \_\_\_\_\_

KC \_\_\_\_\_

JM \_\_\_\_\_

AB \_\_\_\_\_

KF \_\_\_\_\_



# IACUC Meeting Minutes

February 6, 2020 at 2:00 PM

Present: TT, [REDACTED]

Absent: DD

Start: 2:00PM

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    - Posted PI comments and revisions to Teams February 4, 2020; assign DR for final review
    - Assigned [REDACTED] as DR
  - B. **19-008:** [REDACTED] - Novel topical treatments for skin-residing bacterial infections
    - Cleared vet pre-review
    - Category E Protocol
    - Committee voted to evaluate through the DMR process
    - [REDACTED] will be DR
  - C. **19-018:** [REDACTED] - Native sinus bacterial community composition and protective bacterial species on sinusitis and allergic airway inflammation
    - Cleared vet pre-review
    - Category E Protocol- Committee voted to evaluate through the DMR process
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  - D. **20-001:** [REDACTED] – Vaccine Development
    - Cleared vet pre-review January 28, 2020
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  - A. **16-012:** [REDACTED] - Biological rhythms of the pocket gopher *Thomomys bottae*
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    - Out to committee for review on February 5, 2020
  - B. **17-014:** [REDACTED] - Natural biological rhythms of the Abert's squirrel *Sciurid aberti* along the human-wildlife boundary
    - **Annual review**
    - Approved January 28, 2020
  - C. **17-015:** Theimer - Teaching Protocol and field trips for mammalogy, ornithology, and herpetology
    - **Annual Review**

## IACUC Meeting Minutes

February 6, 2020 at 2:00 PM

- Cleared vet pre-review;
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  - Review during committee meeting
- D. **17-003:** [REDACTED] - Ecology, behavior, evolution, biogeography, conservation and ecotoxicology of Alaskan freshwater fishes
- **Annual Review**
  - Approved December 6, 2020
- E. **19-007:** [REDACTED] - Standard field work on turtles and tortoises
- **Annual Review** received February 2, 2020
  - Cleared vet pre-review, out to committee February 5, 2020
- F. **16-011:** [REDACTED] - Application of PPODA-QT for Embolization of Aneurysms
- **Final Review** received February 3, 2020
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- For transfer of seven chipmunks, *Neotamias cinereicollis* to BSA animal holding protocol #18-011.
  - Approved January 7, 2019
- B. **18-005:** [REDACTED] - Characterization of ecological and captive reproductive and health parameters in unique species of gartersnakes, and herpetological inventories
- For addition of personnel ([REDACTED] [REDACTED])
  - For permission to construct new housing
  - Cleared vet pre-review; committee review due February 5, 2020
- C. **19-009:** [REDACTED] - Gait Transitions in Tetrapod Lineages
- For addition of personnel ([REDACTED])
  - Approved December 30, 2019
- D. **18-018:** [REDACTED] - Healing of full thickness wounds via protein scaffolds seeded with human adipose derived stem cells, Platelet-Rich-Plasma, Mixed protein, and synthetic biomaterials

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- For addition of personnel ( [REDACTED] )
  - For procedure to dispose of Arsenic
  - Approved January 24, 2020
- E. **18-018:** [REDACTED] - Healing of full thickness wounds via protein scaffolds seeded with human adipose derived stem cells, Platelet-Rich-Plasma, Mixed protein, and synthetic biomaterials
- For addition of personnel ( [REDACTED] )
  - For addition of 48 Female *Mus musculus*, strain OVX C57BL/6 (ovariectomized)
  - For Use of ovariectomized (OVX) female mice (*Mus musculus*, strain C57BL/6; Jackson Laboratories) to study the physiological wound healing response in animals exposed to environmentally relevant arsenic concentrations through drinking water and in the presence or absence of a topically applied estrogen as described in the modification request.
  - Approved January 24, 2020
- F. **19-006:** [REDACTED] - "Collaborative Research: Evolution of long-distance communication in vocal rodents (IOS-1755429)"
- For co-housing different species
  - For addition of personnel ( [REDACTED] )
  - Approved November 25, 2020
- G. **19-006:** [REDACTED] - "Collaborative Research: Evolution of long-distance communication in vocal rodents (IOS-1755429)"
- For permission to re-record ABRs/DPOAEs on control/experimentally noise-induced animals to verify that hearing loss was maintained after 2 months
  - For new drug combinations and dose trials to establish safe & effective anesthesia in non-model rodent
  - Approved November 26, 2019
- H. **17-011:** [REDACTED] - Zebrafish developmental biology, genetics, disease modeling, and ecotoxicology
- For oral gavage as a method of drug delivery in juvenile and adult zebrafish
  - For housing zebrafish embryos, larvae, and adults in incubator in Wettaw 205
  - Approved on November 25, 2019
- I. **17-011:** [REDACTED] - Zebrafish developmental biology, genetics, disease modeling, and ecotoxicology
- For addition of personnel ( [REDACTED] )

**IACUC Meeting Minutes**  
February 6, 2020 at 2:00 PM

- Approved December 13, 2019
- J. **19-010:** [REDACTED] - Biological characteristics of free-living ground squirrels
  - For addition of personnel ([REDACTED])
  - Approved December 26, 2019
- K. **17-012:** [REDACTED] Coccidioides Exposure and Development of B Cell Chronic Lymphocytic Leukemia (B-CLL) in Eu-TCL-1 transgene-bearing mice
  - For addition of personnel ([REDACTED])
  - For increase in numbers and new mouse strain:
    - 200 mice, strain, Eu-TCL-1: +/-, +/-, -/-
    - 2 mice, strain C57BL/6J: F
    - 3 mice, strain C57&BL/6J: F/M
  - For backcrossing TCL-1 mice with parental wild type mice
  - Approved January 28, 2020
- L. **17-015:** Theimer - Animal presentation and field experiences for Teaching Protocols: Vertebrate Biology, Ornithology, Herpetology, Wildlife Management and Mammalogy.
  - For addition of personnel ([REDACTED])
  - Approved January 09, 2020
- M. **17-015:** Theimer - Teaching Protocol and field trips for mammalogy, ornithology, and herpetology
  - For addition of new target and non-target species
  - Cleared vet pre-review; extended committee review date to February 4, 2020
- N. **18-011:** [REDACTED] – Animal holding between experiments and training for technical animal related procedures at the Biological Sciences Annex (BSA)
  - For a change in PI from [REDACTED]
  - For addition of 7 chipmunks (*Neotamias cinereicollis*)
  - Approved January 8, 2020
- O. **18-018:** [REDACTED] - Healing of full thickness wounds via protein scaffolds seeded with human adipose derived stem cells, Platelet-Rich-Plasma, Mixed protein, and synthetic biomaterials
  - To receive 12 mice of any strain from other approved protocols
  - Approved January 30, 2020
- P. **18-002:** [REDACTED] - A role for titin in active muscle
  - For transfer of mice to approved protocol #18-018
  - Approved January 30, 2020

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Q. **17-011:** [REDACTED] - Zebrafish developmental biology, genetics, disease modeling, and ecotoxicology

- For addition of personnel ([REDACTED])
- Approved February 5, 2020

### V. Other Items

- A. [REDACTED] fish room housekeeping and record keeping – will discuss through email
- B. IACUC inspection of new animal holding facility at Sinagua Middle School - will discuss through email
- C. [REDACTED] – skipped animal care day after Thanksgiving –not discussed
- D. With students assisting PIs on protocols and outreach and teaching, what is the policy for training?
- E. TT – Participation of students in animal handling activities and transfer of animals from one protocol to another
- F. Animal transfers between protocols – Discussed adopting a new policy and procedure from Arizona State University IACUC

Meeting adjourned 3:46PM

IACUC Meeting Minutes  
June 17, 2020

In Attendance: TT, KC, ■, ■, ■, ■, ■

No members absent

Start time: 2:02PM

End time: 3:03PM

- I. Reviewed and approved Minutes for April 28, 2020 IACUC meeting.
- II. New protocols and resubmitted protocols from April 28, 2020 to present.
  - A. **19-018:** ■ - Native sinus bacterial community composition and protective bacterial species on sinusitis and allergic airway inflammation
    - Protocol approved during committee meeting and the committee will acknowledge that the PI received a one-time exemption to accept comments after the deadline in the approval letter.
  - B. **20-004:** ■ - Breeding hACE2 mice for viral research
    - Approved May 21, 2020
  - C. **20-005:** ■ - COVID19 Investigation
    - Comments from IACUC committee review sent to investigator
  - D. **20-006:** ■ ■ - Ecology, behavior, evolution, biogeography, conservation, and ecotoxicology of Alaskan freshwater fishes
    - Approved May 22, 2020
- III. Annual and final reviews from April 28, 2020 to present
  - A. **18-002:** ■ - A role for titin in active skeletal muscle
    - Annual Review received January 28, 2020
    - Comments from committee sent to PI March 4, 2020; ■ sent reminder email April 27, 2020. TT will send another reminder email to Dr. ■
  - B. **17-003:** ■ - Ecology, behavior, evolution, biogeography, conservation, and ecotoxicology of Alaskan freshwater fishes
    - Final Review
    - Reviewed and approved April 27, 2020
  - C. **19-006:** ■ - Collaborative Research: Evolution of long-distance communication in vocal rodents (IOS-1755429)
    - Annual Review
    - Approved June 12, 2020
  - D. **18-003:** ■ - Role of DNA Repair Signaling in Hearing Loss

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- Annual Review
- Reviewed and approved May 12, 2020
- E. **18-014:** [REDACTED] and [REDACTED] - Respiration in amphibious fishes
  - Annual Review
  - Reviewed/approved May 12, 2020
- F. **19-003:** [REDACTED] and [REDACTED] - Anatomical studies in southwest native fishes
  - Final Review
  - Reviewed/approved April 28, 2020
- G. **18-015:** [REDACTED] – Maximizing success of native fish repatriation in southwestern streams
  - Annual Review received/no work completed for 2020 report
  - Annual Review received/no work completed for 2019 report
- H. **19-005:** [REDACTED] - Tick-borne pathogens of birds
  - Annual Review
  - Received 6/1 and reviewed June 2, 2020
- I. **18-008:** [REDACTED] - Bat communities in fragmented forests in Nicaragua
  - Annual Review received 5/20/2020
  - No work completed this reporting period
- J. **18-009:** [REDACTED] - New Mexico Meadow jumping mouse surveys
  - Annual Review received 5/20/2020; posted to Teams for IACUC review
- K. **17-012:** [REDACTED] - Coccidioides Exposure and Development of B Cell Chronic Lymphocytic Leukemia B-CLL in Eu-TCL-1 transgene-bearing mice
  - Annual Review received 6/12/2020; posted to Teams 6/16/2020 for veterinarian pre-review
- L. **17-005:** [REDACTED] - Testing the role of SOCS1 in a mouse model of bleomycin-induced dermal fibrosis
  - **Final Review**
  - No work done during reporting period
- IV. Modifications to approved protocols from April 28, 2020 to present.
  - A. **19-016:** [REDACTED] - Identifying regional hotspots of the newly emerging parasite *Onchocerca lupi* in Northern Arizona
    - IBC approval for BACH-0220 on April 30, 2020

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- IACUC re-sent question to Dr. [REDACTED] regarding whether veterinarians should be on protocol
- B. **18-007: Theimer - Spatial and denning ecology of the island spotted skunk (*Spilogale gracilis amphiala*) on Santa Cruz Island, CA**
- For addition of personnel [REDACTED]
  - For an increase in number of gray foxes (100) and spotted skunks (20)
  - Approved June 17, 2020
- C. **19-010: [REDACTED] - Biological characteristics of free-living ground squirrels**
- For addition of personnel (Zahraa Alasady and Carla Madelaire)
  - For use of a 0.05% solution of Nolvasan (chlorhexidine) for surgical site preparation
  - Approved May 21, 2020
- D. **19-005: Tick-borne pathogens of birds**
- To collect blood from jugular vein of birds sampled
  - For addition of personnel [REDACTED] and [REDACTED]
  - Approved June 4, 2020
- E. **18-005: [REDACTED] - Characterization of ecological and captive reproductive and health parameters in unique species of gartersnakes, and herpetological inventories**
- For addition of personnel [REDACTED]  
[REDACTED])
  - Approved 5/27/2020
- F. **20-003 - [REDACTED] Enzootic Cycling of West Nile Virus in Maricopa County**
- To collect blood from jugular vein of birds sampled
  - For addition of personnel [REDACTED] and [REDACTED]
  - Approved June 16, 2020
- G. **19-006 - "Collaborative Research: Evolution of long-distance communication in vocal rodents (IOS-1755429)"**
- For addition of treatments
  - For changes in cage sizes for mice
  - Approved June 2, 2020
- H. **19-009: [REDACTED] - Gait transitions in tetrapod lineages**
- Change in SOP for gecko husbandry
  - Posted to Teams 6/2/2020 committee response to PI pending



IACUC Meeting Minutes  
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- I. **18-009:** [REDACTED] - New Mexico Meadow jumping mouse surveys
- For PIT tagging New Mexico meadow jumping mice (*Zapus hudsonius luteus*)
  - For addition of new species, the montane vole (*Microtus montanus*)- (20 males or females)
  - To radio collar the montane vole (*Microtus montanus*)
  - For addition of personnel ([REDACTED])
  - Approved June 9, 2020
- J. **16-009:** [REDACTED] - Coccidioides Drug Discovery follow-up - evaluation in a murine model of Infection
- For addition of personnel ([REDACTED])
  - Approved June 10, 2020
- K. **19-011:** [REDACTED] - Training for High Containment Laboratory Work and Animal Handling
- For addition of personnel ([REDACTED])
  - Approved June 12, 2020
- O. **18-018:** [REDACTED] - Healing of full thickness wounds via protein scaffolds seeded with human adipose derived stem cells, Platelet-Rich-Plasma, Mixed protein, and synthetic biomaterials
- For addition of personnel ([REDACTED])
  - Approved June 9, 2020
- P. **18-018 -** [REDACTED] - Healing of full thickness wounds via protein scaffolds seeded with human adipose derived stem cells, Platelet-Rich-Plasma, Mixed protein, and synthetic biomaterials
- For blood collection via cardiac puncture
  - For an additional week of Arsenic treated water prior to surgical treatment
  - These modifications do not result in a change in pain category or approved animal numbers.
  - Approved June 16, 2020
- Q. **18-009 -** [REDACTED] New Mexico Meadow jumping mouse surveys
- For addition of personnel ([REDACTED])
  - Approved June 9, 2020
- R. **17-012 -** [REDACTED] Coccidioides Exposure and Development of B Cell Chronic Lymphocytic Leukemia
- Cleared vet pre-review and posted to Teams 6/16/2020
- V. Other Items

IACUC Meeting Minutes  
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- A. **19-010:** [REDACTED] - Biological characteristics of free-living ground squirrels.
  - Unexpected death of non-target species during fieldwork.
  - TT will contact Dr. [REDACTED] regarding a meeting with IACUC to discuss.
- B. **18-018:** [REDACTED] - Memo from Dr. [REDACTED] to IACUC Chair regarding forgetting to give sub-Q fluids to post-surgical mice
- C. For future IACUC discussion - personnel additions and increase in animal numbers fewer than 10% can be conducted as administrative review no DMR required. KC will send more information to committee
- D. TT requested update on HVAC system in ACL. [REDACTED] and KC provided update that system is repaired and animals well.
- E. TT will be resigning from Chair position in Fall 2020 due to increased responsibilities caused by pandemic.

TT:

KC:

[REDACTED]:

[REDACTED]:

[REDACTED]:

[REDACTED]:

[REDACTED]:

IACUC Meeting Minutes  
July 13, 2020

In attendance: TT, KC, [REDACTED]  
Start: 2:05 PM  
End: 3:32 PM

- I. Reviewed and approved Minutes for June 17, 2020 IACUC meeting.
- II. New protocols and resubmitted protocols from June 17, 2020 to present.
  - A. **20-005:** [REDACTED] - COVID19 Investigation (SJ DR)
    - Comments from IACUC committee review sent to investigator response sent to committee on 6/25/2020
  - B. **20-007:** [REDACTED] - Field collection of North American lizards (TT DR)  
Received 6/19/2020, under committee review
- III. Annual and final reviews from June 17, 2020 to present
  - A. **18-002:** [REDACTED] - A role for titin in active skeletal muscle
    - Annual Review received 1/28/2020
    - Comments from committee sent to PI 3/4/ 2020; [REDACTED] sent reminder email 4/27/2020. TT will send another reminder email to Dr. [REDACTED]
  - B. **19-010:** [REDACTED] - Biological characteristics of free-living ground squirrels - out to committee 7/13/2020
  - C. **18-009:** [REDACTED] - New Mexico Meadow jumping mouse surveys - out to committee 7/13/2020
  - D. **18-010:** [REDACTED] - Understanding viral transmission in aquatic vertebrate communities
    - Annual Review, out to committee 7/13/2020
  - E. **18-016:** [REDACTED] - Longitudinal analysis of the gut microbiome-brain axis in Alzheimer's Disease –
    - Annual Review, Out to committee 7/13/2020
  - F. **19-005:** [REDACTED] - Tick-borne pathogens of birds
    - Annual Review
    - Received 6/1 and reviewed June 2, 2020
  - G. **18-009:** [REDACTED] - New Mexico Meadow jumping mouse surveys
    - Annual Review received 5/20/2020; posted to Teams for committee review
  - H. **17-012:** [REDACTED] - Coccidioides Exposure and Development of B Cell Chronic Lymphocytic Leukemia B-CLL in Eu-TCL-1 transgene-bearing mice
    - Annual Review received 6/12/2020; posted to Teams 6/16/2020 for veterinarian pre-review
- IV. Modifications to approved protocols from June 17, 2020 to present.
  - **19-016:** [REDACTED] - Identifying regional hotspots of the newly emerging parasite *Onchocerca lupi* in Northern Arizona

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- IBC approval for BACH-0220 on April 30, 2020
- IACUC re-sent question to Dr. [REDACTED] regarding whether veterinarians should be on protocol. These are client owned dogs
- **19-006:** [REDACTED] - "Collaborative Research: Evolution of long-distance communication in vocal rodents (IOS-1755429)"
  - For addition of personnel [REDACTED]
  - Approved June 25, 2020
- **19-009:** [REDACTED] - Gait transitions in tetrapod lineages
  - Change in SOP for gecko husbandry
  - Committee responses will be sent out 7/13/2020
- **18-010:** [REDACTED] - Understanding viral transmission in aquatic vertebrate communities
  - For changes to the protocol to avoid temperature shock in larvae
  - Approved June 25, 2020
- **17-012 -** [REDACTED] Coccidioides Exposure and Development of B Cell Chronic Lymphocytic Leukemia
  - For male mice currently listed as Category D be moved to Category E
  - To add CO2 as a primary method of euthanasia with cervical dislocation, exsanguination or bilateral pneumothorax as secondary methods. Currently, the primary method is isoflurane or ketamine/xylazine overdose.
  - To retain all mice to 18 months of age
  - For [REDACTED] to perform euthanasia
  - Approved July 1, 2020
- **19-015 –** [REDACTED] Pre-clinical investigation of carboxy alkyl esters
  - For addition of personnel [REDACTED]
  - Approved July 6, 2020
- **20-003 -** [REDACTED] Enzootic Cycling of West Nile Virus in Maricopa County
  - Response from PI out to committee 7/13/2020

V. Other Items

A. SOP AC 20-003 Review Draft

B. Next Monday Zoom Meeting with Dr. [REDACTED]

TT: \_\_\_\_\_

KC: \_\_\_\_\_

[REDACTED] \_\_\_\_\_

[REDACTED] \_\_\_\_\_

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