

# Minutes – Institutional Animal Care and Use Committee

## University of Mississippi Medical Center

### July 20, 2021

Time: 1:30 p.m.

Place: [REDACTED]

X	Chair/M8	X	19	X	M4	X	73
	AV/28	X	M9*	X	48		M6
X	M1	X	32	X	52	X	82
X	5	X	M3		M5		
	M2	X	S1				20**
X	9					X	S2**

\*VA representative

\*\*S2 alternate for S1

20 alternate for M5

Non-Voting Members:

	CSO	X	LR		Facility Manager		
	BSO		OHS		Facility Supervisor		
	RSO		VI				

Confirmation of quorum: 76%

## I. OLD BUSINESS

VAMC:

1. Presentation of Results from the 2019 Fall Semi-annual Program Review and Facility Inspections to the Medical Center Director: The meeting to discuss the results of the 2021 Winter Semi-annual Program Review and Facility Inspection which occurred in February 2021 was held on July 7, 2021 via Microsoft Teams Meeting. The following persons were in attendance:
  - i. AV, UMMC
  - ii. Chair – IACUC, UMMC
  - iii. Director, OAW, UMMC
  - iv. ACOS/R&D, VAMC
  - v. Acting Center Director, VAMC
  - vi. RDC Manager, VAMC

UMMC:

1. Semi-annual Facility Inspections and Program Review
  - a. Remaining reports on Laboratory Visits
    - i. Team 1
    - ii. Team 3
    - iii. Team 4

iv. Team 5

## II. NEW BUSINESS

VAMC: None

UMMC:

1. Cayuse: Go live date has been pushed to September 1<sup>st</sup> to allow time for more training of both the committee and research staff.

### A. Standing Program Reports:

1. Occupational Health and Safety: The representative from Student Employee Health was not present.
2. Veterinary
  - a. Repeated outages of the HVAC system in [REDACTED] have continued to be an issue. Auxiliary power has been used during outages to maintain temperatures.
  - b. Update on the HVAC replacement was received on July 15, 2021. The project is on track and underway. Expected completion is September 2022.
3. Legal: Representative from Legal has no items to report.
4. Training: No updates to report.
5. Regulatory: No updates to report.
6. Policy Statements and Guidelines: No updates to report.

### B. Announcements/Other

1. The next scheduled IACUC meeting is August 17, 2021.

### C. Form update/revisions

## III. MINUTES

1. May 18, 2021: Minutes were sent via email for review on May 26, 2021. The commenting period closed on June 2<sup>nd</sup>. Minutes accepted with minor updates. Accepted minutes have been posted in the SharePoint folder, Minutes Archives, and the VAMC minutes were sent via email. The IACUC did not meet in June.

## IV. PROTOCOL

- A. Annual Continuation review:** Annual Continuation reports are reviewed and discussed at a convened meeting. June reviews were conducted prior to June 15, 2021 and all reviews were accepted. July reviews were conducted prior to the July meeting and all reviews were accepted.

June Reviewer: 48 July Reviewer: 52

VAMC: None

UMMC:

1. June
  - a. 1087E, PI-2
  - b. 1486A, PI-6
  - c. 1487A, PI-12
  - d. 1489A, PI-18
  - e. 1386B, PI- 48 (reviewed by M8)
  - f. 1180D, PI-58
  - g. 1563, PI-63
  - h. 1382B, PI-76
  - i. 1485A, PI-77
2. July
  - a. 1564, PI-10
  - b. 1581, PI-10
  - c. 1291C, PI-15
  - d. 1292C, PI-15
  - e. 1267C, PI-19
  - f. 1424B, PI-21
  - g. 0685H, PI-28
  - h. 1580, PI-93
  - i. 1387B, PI-53
  - j. 1523A, PI-67

## B. Modifications

1. **Minor modification and Change in Personnel:** The following minor modifications and updates to personnel were approved since the May meeting.

VAMC:

- a. **Change in Personnel**

v. 525; PI-27

UMMC:

- a. 1244C, PI- 75 (Mod 1), add animals **one time <10% increase**, update App B; Approved 7/11/2021
- b. 1379B, PI- 5 (Mod 6) add animals **one time <10% increase**; Approved 7/11/2021

**c. Change in Personnel**

- i. 1511A; PI-29
- ii. 1283C, 1304C, 1523A, 1493A; PI-67
- iii. 1223D; PI-56
- iv. 1489A; PI-18
- v. 1566, 1565, 0932F; PI-83
- vi. 1582; PI-87
- vii. 1551; PI-23
- viii. 133C, 1464A; PI-19
- ix. 1236C; PI-79
- x. 1550, 1569, 1579A; PI-72
- xi. 1386B; PI-48
- xii. 1434B, 1509A; PI-71
- xiii. 1393B, 1389B, 1512A; PI-58
- xiv. 1430B, 1387B, 1388B; PI-53
- xv. 0878F; PI-2
- xvi. 1093E; PI-40
- xvii. 1469A, 1589; PI-30
- xviii. 1257C, 1424B; PI-21
- xix. 1529A; PI-65
- xx. 0297H; PI-55
- xxi. 1501A; PI-8
- xxii. 1550, 1569, 1579A; PI-72
- xxiii. 1415B; PI-59
- xxiv. 1414B, 1382B; PI-76

**2. Significant Change VVC:** Summary of the modifications reviewed and approved by VVC since the May meeting was presented.

VAMC: None

UMMC:

- a. 1223D, PI- 56(Mod 1), add experimental compounds; update App F;  
Approved 7/11/2021

**3. DMR:** Summary of the modifications reviewed by DMR since the May meeting was presented.

VAMC: None

UMMC:

1. 1333C\_ PI- 19 (Mod 1), modify experimental design, add App G and I  
Reviewers: Primary – M3; Secondary – 9; Approved 6/02/2021
2. 1511A, PI- 29 (Mod 2), add animals, add test compound, add non-standard watering update App B, C, and F  
Reviewers: Primary – M4; Secondary – 5; Approved 6/02/2021
3. 1430B, PI- 53 (Mod 4), add procedure; update App C and F;  
Reviewers: Primary – 5; Secondary – 52; Approved 6/30/2021
4. 1563, PI- 63 (Mod 8), add procedure; update App C and 16  
Reviewers: Primary – 5; Secondary – 52; Approved 7/11/2021
5. 1509A, PI- 71 (Mod 1), add animals, add experimental compounds; update #9, 16 and App F  
Reviewers: Primary – 48; Secondary – M3; Approved 7/11/2021

#### 4. Major

VAMC: None

UMMC:

1. 0878F, PI- 2 (Mod 4), add animals, establish pilot study; update #12, 16 and App C, D, G, F, H  
Reviewers: Primary – 73; Secondary – M9  
The modification was initially reviewed as a DMR modification in June. The modification was called for Full Committee Review and was discussed at the July 2, 2021 Program Review meeting. At that time a motion for designated member review following full committee review was passed. The reviewers met with the PI and the PI submitted revisions to the modification. Upon review of the revisions, the reviewers could not reach a consensus for approval and the modification was returned to full committee review.

The committee reviewed and discussed the modification. Comments were posted in SharePoint prior to the meeting.

A motion to withhold approval did not receive a second and no vote was taken.

A motion that modifications were required to secure approval with designated member review following full committee review was **not passed** by the following vote:

Vote For:	2	Against:	6	Recused:	1
Quorum:	11%	Abstain:	5		M8

A motion to approve **was passed** by the following vote:

Vote For:	10	Against:	1	Recused:	1
Quorum:	56%	Abstain:	2		M8

One member (M9) expressed the following minority opinion:

*"I dissented in the motion to approve the amendment to protocol 878 for development of a male to female transgender transformation model in the rat because:*

*the stated aim of the pilot study, to determine the dose of estradiol in male rats receiving spironolactone that reproduced young adult female blood levels of estradiol, does not justify the conscious invasive measurement of blood pressure.*

*In addition, the aim of estradiol + spironolactone treatment to produce male to female transgender transformation is adequate feminization and uses a sliding scale of estrogen doses to effect. A description of how feminization with suppression of masculine characteristics is to be assessed was not provided."*

2. 0967F, PI- 16 (Mod 2), add animals, add cognitive tests; update #16 and App L

Reviewers: Primary – M4; Secondary – 73

The committee reviewed the modification and discussed that the PI needed to clarify: 1) Pre-meeting comments posted to SharePoint. No additional items were identified during discussion.

Following discussion, a motion that modifications were required to secure approval with designated member review following full committee review was passed by the following vote:

Vote For:	14	Against:	0	Recused:	
Quorum:	78%	Abstain:	0		

3. 1415B, PI- 59 (Mod 4), add procedures and euthanasia methods; update #16, 19 and App D and F

Reviewers: Primary – 48; Secondary – 9

COI: M3 (out of room during discussion and vote), 20 (not present at meeting)

The committee reviewed the modification and discussed that the PI needed to clarify: 1) Pre-meeting comments posted to SharePoint. No additional items were identified during discussion.

Following discussion, a motion that modifications were required to secure approval with designated member review following full committee review was passed by the following vote:

Vote For:	13	Against:	0	Recused:	1
Quorum:	72%	Abstain:	0		

4. 1541A, PI-47 (Mod 1), add animals (+215), add invasive procedure; update #9,16 and App C and F

Reviewers: Primary – M3; Secondary – 19

The committee reviewed the modification and discussed that the PI needed to clarify: 1) Pre-meeting comments posted to SharePoint. No additional items were identified during discussion.

Following discussion, a motion that modifications were required to secure approval with designated member review following full committee review was passed by the following vote:

Vote For:	14	Against:	0	Recused:	
Quorum:	78%	Abstain:	0		

5. 1572, PI- 85 (Mod 2), add animals, add experimental compounds; update #16 and App C and F

Reviewers: Primary – M4; Secondary – 82

The committee reviewed the modification and discussed that the PI needed to clarify: 1) Pre-meeting comments posted to SharePoint. No additional items were identified during discussion.

Following discussion, a motion that modifications were required to secure approval with designated member review following full committee review was passed by the following vote:

Vote For:	14	Against:	0	Recused:	
Quorum:	78%	Abstain:	0		

6. 0834G, PI- 18 (Mod 1), add non-invasive procedure, add behavioral tests; update #9, 16 and App F

Reviewers: Primary – 48; Secondary – 9

COI: 19, M4 (out of room during discussion and vote)

The committee reviewed the modification and discussed that the PI needed to clarify: 1) Pre-meeting comments posted to SharePoint, 2) include a monitoring plan for aging animals to P730.

Following discussion, a motion that modifications were required to secure approval with designated member review following full committee review was passed by the following vote:

Vote For:	12	Against:	0	Recused:	2
Quorum:	67%	Abstain:	0		

7. 1267C, PI- 19 (Mod 1), add non-invasive procedure, add behavioral tests; update #9, 16 and App F

Reviewers: Primary – 48; Secondary – 9

COI: 19, M4 (out of room during discussion and vote)

The committee reviewed the modification and discussed that the PI needed to clarify: 1) Pre-meeting comments posted to SharePoint, 2) include a monitoring plan for aging animals to P730.

Following discussion, a motion that modifications were required to secure approval with designated member review following full committee review was passed by the following vote:

Vote For:	12		Against:	0	Recused:	2
Quorum:	67%		Abstain:	0		

### C. New

VAMC: None

UMMC:

#### 1. *Perinatal inflammation, brain injury and neurodevelopment*

PI-19

Reviewers: Primary – M5; Secondary – M8

COL: 19, M4, 73 (out of room during discussion and vote)

No pre-meeting communication was sent to the PI. The committee reviewed the protocol and discussed that the PI needed to clarify: 1) Pre-meeting comments posted to SharePoint, 2) clarify if litters are culled. The committee discussed that the project proposes a large population of animals, extensive experiments, and is departmentally funded. The committee recommends the PI reevaluate the project and resubmit as a smaller project.

Following discussion, a motion to Table the protocol with return to full committee review was passed by the following vote:

Vote For:	11		Against:	0	Recused:	3
Quorum:	61%		Abstain:	0		

#### 2. *Consequences of maternal hyperandrogenemia with/without obesity on dams and adult offspring*

PI-92

*Resubmission from May meeting*

Reviewers: Primary – 48; Secondary – 73

Pre-meeting communication was sent to the PI. The committee reviewed the protocol and discussed that the PI addressed all clarifications requested from May review.

Following discussion, a motion to approve the protocol was passed by the following vote:



Vote For:	14		Against:	0	Recused:	
Quorum:	78%		Abstain:	0		

### 3. *The role of Pou4f3 in age-related vestibular dysfunction*

PI-77

Reviewers: Primary – 5; Secondary – M4

No pre-meeting communication was sent to the PI. The committee reviewed the protocol and discussed that the PI needed to clarify: 1) Pre-meeting comments posted to SharePoint. No additional clarifications were identified in the discussion.

Following discussion, a motion that modifications were required to secure approval with designated member review following full committee review was passed by the following vote:

Vote For:	14		Against:	0	Recused:	
Quorum:	78%		Abstain:	0		

## D. 3-Yr. Full submission

VAMC: None

UMMC:

### 1. *Brain Injury and Neurodevelopment*

PI-19

**For continuation approval must be in place by September 21, 2021**

Reviewers: Primary – M8; Secondary – M5

**COI: 19, M4 (out of room during discussion and vote)**

No pre-meeting communication was sent to the PI. The committee reviewed the protocol and discussed that the PI needed to clarify: 1) Pre-meeting comments posted to SharePoint, 2) clarify if litters are culled.

Following discussion, a motion that modifications were required to secure approval with designated member review following full committee review was passed by the following vote:

Vote For:	12		Against:	0	Recused:	2
Quorum:	67%		Abstain:	0		

### 2. *Effects of closed-head impacts, noise, and aging on the auditory system*

PI-77

**For continuation approval must be in place by August 27, 2021**

Reviewers: Primary – 52; Secondary – 19

The protocol was submitted for review in June, assigned reviewers, and posted to SharePoint for comments. The reviewers worked with the PI to clarify all comments from the review. A revised protocol was submitted for review at the July meeting. The committee reviewed the protocol and discussed that the PI addressed all clarifications from the June review.

Following discussion, a motion to approve the protocol was passed by the following vote:

Vote For:	14	Against:	0	Recused:	
Quorum:	78%	Abstain:	0		

### 3. *Platelet-related mechanisms of hemorrhagic and thrombotic complications after orthopedic trauma*

PI-49

**For continuation approval must be in place by September 05, 2021**

Reviewers: Primary – 82; Secondary – 5

No pre-meeting communication was sent to the PI. The committee reviewed the protocol and discussed that the PI needed to clarify: 1) Pre-meeting comments posted to SharePoint. No additional clarifications were identified in the discussion.

Following discussion, a motion that modifications were required to secure approval with designated member review following full committee review was passed by the following vote:

Vote For:	14	Against:	0	Recused:	
Quorum:	78%	Abstain:	0		

### 4. *Development of Therapeutic Peptides for Treatment of Ischemic Stroke*

PI-5

**For continuation approval must be in place by September 20, 2021**

Reviewers: Primary – 9; Secondary – M3

**COI: 5, 52 (out of room for discussion and vote)**

Pre-meeting communication was sent to the PI. The committee reviewed the protocol and discussed that the PI needed to clarify: 1) Pre-meeting comments posted to SharePoint. No additional clarifications were identified in the discussion.

Following discussion, a motion that modifications were required to secure approval with designated member review following full committee review was passed by the following vote:

Vote For:	12	Against:	0	Recused:	2
Quorum:	67%	Abstain:	0		

## **G. Protocols closed/set for closure:**

VAMC:

1. PI-27, VA-541, Final Report Received

UMMC:

1. PI-56, 1228C, Protocol expired

## **H. Other Business**

### **1. CCR Updates**

- a. Changes to CCR Veterinary staff: The Assistant Director-CCR has accepted a position and will be leaving the institution August 13, 2021. The Director-CCR has contacted the Associate Vice Chancellor of Research and Human Resources to discuss the needs of the department. The position will be posted and the process to find an Assistant Director initiated. In the interim, the CCR is looking to hire a part-time relief veterinarian.

The Assistant Director addressed the committee to express his gratitude for the opportunity to work at the institution. Additionally, he expressed his concerns over several issues noted during his time at UMMC. Notable is the need for institutional support to accomplish the research mission. Sufficient staffing with proper organizational structure that allows for proactivity and responsiveness, adequate resources to support the investigators, and training opportunities are essential to maintaining and growing the research mission.

The committee discussed the challenges facing the CCR, IACUC, and research community. Members expressed concerns with not being able to meet terms agreed to in grants due to lack of resources, including adequate staff. The committee agreed to send a letter from the IACUC addressed to the Associate Vice Chancellor of Research and the Vice Chancellor of the Institution voicing the committee's concerns.

The meeting adjourned at 3:23 p.m.

Ending quorum: 72 %

Prepared by: S1