

RML ACUC

Thursday, February 27, 2020

1:30 PM

MINUTES

I. CALL TO ORDER – 1332

Members		Present	Absent
Dr. Steele-Mortimer – Chair		X	
Redacted by agreement		X	
Dr. Scott – Attending Veterinarian		X	
Redacted by agreement			X
			X
		X	
		X	
		X	
		X	
			X
		X	
		X	
		X	
		X	
			X
		X	
		X	
Guests		Present	
Redacted by agreement		X	
		X	
		X	

II. APPROVAL OF MINUTES- January minutes approved as written. February 11, 2020 minutes approved with minor changes.

III. FACILITIES UPDATE- Nothing new to report

IV. ADDENDA APPROVED, ANNUAL REVIEW (via electronic memo), APPROVED PROTOCOLS FINALIZED,
Addenda Approved

Addendum #	Approved via	P.I	Title	Approved
Redacted by agreement	DMR	Redacted by agreement	Characterization of Lassa virus infection in the host species <i>Mastomys natalensis</i>	01/15/2020
	DMR		Prion disease pathogenesis and microglial involvement in mice	01/15/2020
	DMR		Evaluation of a glucagon-like peptide-receptor (GLP1R) agonist, exendin-4, in protecting against West Nile virus-induced neurological disease in a mouse model	01/15/2020
	DMR		Development of mouse infection models to study <i>Klebsiella pneumoniae</i> virulence and potential treatments – pilot study	01/17/2020
	DMR		Guinea pig antibodies against <i>Coxiella burnetii</i> and purified proteins	01/21/2020
	DMR		Evaluation of bacteriophage therapy for the treatment of <i>Klebsiella pneumoniae</i> infection in mice	01/21/2020
	DMR		Anti-CD4 treatment mice with <i>Staphylococcus</i> spp. - infected surgical mesh implants	01/21/2020
	Admin – Addition of personnel		Evaluation of a chimp adenovirus vectored vaccine for Crimean Congo hemorrhagic fever virus in mice	01/22/2020
	DMR subsequent to FCR		Investigation of T-cell dependent immune responses to Crimean-Congo hemorrhagic fever virus in mice	01/27/2020
	DMR		Determining the role of plasmacytoid dendritic cells and macrophages in interferon-mediated control of EBOV infection in mice	01/28/2020
	DMR		Efficacy of four novel nanoparticle-formulated mRNA vaccines against LASV in guinea pigs	01/30/2020
	DMR		Evaluation of a nanoparticle delivered vaccine for Crimean-Congo hemorrhagic fever virus in mice	01/31/2020
	DMR		Cross-protection of Chimpanzee Adenovirus expressing MERS-CoV-Spike (ChAdOx1-MERS-S) vaccine in transgenic hDPP4 mice	02/03/2020
	DMR		Vaccine potential of a <i>Coxiella burnetii</i> dot/icm mutant in Guinea pigs	02/03/2020
	DMR		Role of BDL regulatory B cells in the control of regulatory T cells in Friend virus infection.	02/06/2020
	DMR		Establishing a model of Crimean-Congo hemorrhagic fever using a mouse-adapted strain of CCHFV	02/12/2020

Annual Review of Approved Protocols (via electronic memo)

Protocol #	P.I	Title	Approved	Expires
Redacted by agreement		Cellular and humoral immune responses to Lassa virus infection in <i>Mastomys natalensis</i> , the natural reservoir	01/28/2019	01/28/2022
		Influence of the Prion Protein and Sarm1 on Herpes Simplex Virus pathogenesis in mice	01/31/2019	01/31/2022
		Bioassay of cerebral organoids for confirmation of prion infections	01/25/2019	01/25/2022
		Protective Efficacy of a VSV-Based Vaccine Against Reston Ebolavirus Infection in Young Pigs	01/22/2019	01/22/2022
		Protective efficacy of the small molecule inhibitor HU2976 against Ebola virus infection in mice	02/23/2018	02/23/2021
		Production of TKO-BLT mice	02/11/2018	Closed
		Small Rodent Trapping in Mali	02/07/2018	02/07/2021
		Cross-protection of chimpanzee adenovirus expressing MERS-CoV spike (ChAdOx1-MERS-S) vaccine in transgenic mice	02/28/2018	02/28/2021

Redacted by agreement	Production of prion infected mouse tissues for in vitro experimentation	02/28/2018	02/28/2021
	Evaluation of an adenovirus and vesicular stomatitis vaccine candidate for Crimean Congo Hemorrhagic Fever against a heterologous challenge in mice	01/30/2018	Closed
	Evaluating the therapeutic potential of GS-734 against Nipah virus infection in the African green monkey model	04/10/2017	Study expiring – Close
	The role of Arterivirus co-infection in the pathogenesis of Reston Ebola Virus in swine	04/19/2017	Study expiring - Close

Protocols Approved and Finalized

Protocol #	P.I	Title	Approved	Expires
Redacted by agreement		Characterizing the humoral response induced by ChAdOx1-vectored vaccines encoding Lassa virus glycoprotein and/or nucleoprotein	01/22/2020	01/22/2023
		Investigating novel strains of CCHFV in a non-human primate model	01/24/2020	01/24/2023
		Efficacy of a Modified Vaccinia Ankara against Nipah virus Bangladesh in Syrian hamsters	01/27/2020	01/27/2023
		Determine the pathogenicity of Mengla virus and Bombali virus in mice – a pilot study	01/29/2020	01/29/2023
		Defining the Peripheral Route of Bornavirus Infection in the Rhesus Macaque Model	01/29/2020	01/29/2023
		Establishing a Rhesus Macaque Model for Rift Valley Fever Virus	01/29/2020	01/29/2023
		Investigating the role of Ajuba in DC migration from skin to draining lymph nodes in a mouse model	02/05/2020	02/05/2023
		Infective Cycle of Borrelia burgdorferi Mutants in the Mouse-Tick-Mouse Model of Infection and Transmission	02/07/2020	02/07/2023
		Establishment of a pneumonic model of Klebsiella pneumoniae in mice	02/12/2020	02/12/2023
		Nonhuman primate model development for the novel coronavirus emerging in Wuhan, China	02/12/2020	02/12/2023
		Evaluation of the Immunogenicity of DNA and RNA vaccines against 2019-nCov in mice	02/12/2020	02/12/2023

V. ADDENDUM FOR REVIEW BY FCR

Addendum #	P.I	Title	Committee's Decision
(b)(5)			

VI. NEW ANIMAL STUDY PROPOSALS –

(b)(5)

(b)(5)

(b)(5)

(b)(5)

(b)(5)

(b)(5)

VII. OTHER BUSINESS –

Spring semiannual walk thru will be held – April 14th

Redacted by Unexpected outcome – The lab notified the ACUC of an animal that had a bloody hind limb and was euthanized. Only this animal was affected and there was no obvious cause. The unexpected outcome was discussed and nothing further is required from the lab.

VIII. GUIDELINES AND POLICIES TO REVIEW –

RML ACUC Guidelines on Animal Identification – Approved with minor changes

RML ACUC Policy for Changes (Modifications) to Animal Study Proposals – Approved with minor changes

IX. NEXT MEETING DATE –

Thursday, March 26, 2020 starting at 1:30 p.m. in Redacted by

IX. ADJOURNMENT - 1600

Minutes prepared by Redacted by agreement

RML ACUC

Thursday, March 26, 2020

1:30 PM

MINUTES

I. CALL TO ORDER – Meeting was held via teleconference 1330

Members	Present	Absent
Dr. Steele-Mortimer – Chair	X	
Redacted by agreement	X	
Dr. Scott – Attending Veterinarian	X	
Redacted by agreement	X	
	X	
	X	
	X	
	X	
	X	
	X	
	X	
	X	
	X	
		X
	X	
	X	
Guests	Present	
Redacted by agreement	X	
	X	

II. APPROVAL OF MINUTES- Approved as written

III. FACILITIES UPDATE- Construction of Redacted by agreement is still on going.

In anticipation of a potential shortage of staff and resources, Mouse colonies will be scaled down per NIAID recommendation. RML will reduce commercially available strains (i.e. C57) first, then colonies not currently on an approved protocol, but will work with PI for cryopreservation. Colonies will be kept at maintenance level. RMVB will discuss each line with the PIs

RML has purchased a large refrigerator and have placed a food order that will supply food for ~3 months. Bedding and chemicals have been ordered for a ~4-month supply.

IV. ADDENDA APPROVED, ANNUAL REVIEW (via electronic memo), APPROVED PROTOCOLS FINALIZED,
Addenda Approved

Addendum #	Approved via	P.I	Title	Approved
Redacted by agreement	DMR	Redacted by agreement	Developing <i>Salmonella</i> infection models in guinea pigs and rabbits	02/20/2020
	DMR		Comparative analysis of virulence and pathogenicity of <i>Salmonella</i> Typhimurium clinical isolates in various mouse strains	02/20/2020
	DMR		Role of <i>Salmonella</i> virulence factors in invasion of mouse meninges	02/21/2020
	DMR		Contribution of itaconate in IFN- γ mediated control of <i>Francisella tularensis</i> strain LVS in mice	02/24/2020
	VVC – Additional approved procedure		Nonhuman primate model development for the novel coronavirus emerging in Wuhan, China	02/25/2020
	DMR		Influence of mosquito salivary gland proteins on California Serogroup viral pathogenesis in mice	02/28/2020
	FCR		Efficacy of DNA-based vaccines in Nonhuman Primates against infection with Crimean-Congo hemorrhagic fever virus	02/28/2020
	Admin – Addition of personnel		Infective Cycle of <i>Borrelia burgdorferi</i> Mutants in the Mouse-Tick-Mouse Model of Infection and Transmission	03/05/2020
	DMR		Anti-CD47 treatment mice with <i>Staphylococcus</i> spp.-infected surgical mesh implants	03/05/2020
	DMR		Ultrastructural Pathology of the Epididymis and Accessory Sex Glands During Acute Infection with Zika Virus in mice	03/05/2020
	DMR		Understanding the relative role of RLR- and TLR-dependent innate signaling pathways in TBEV infection in the brain using the mouse model	03/05/2020
	VVC – Change to approved procedure		Antimicrobial role of nitric oxide during <i>Rickettsia rickettsii</i> -infection of guinea pigs	03/10/2020
	DMR		Establishing a Rhesus Macaque Model for Rift Valley Fever Virus	03/11/2020
	DMR		Nonhuman Primate Model Development for the Novel Coronavirus Emerging in Wuhan, China	03/12/2020
	DMR		Establishing a model of Crimean Congo hemorrhagic fever using a mouse-adapted strain of CCHFV	03/12/2020
	Admin – Addition of personnel		Evaluating the role of cytosolic replication in a mouse model of chronic shedding of <i>Salmonella</i>	03/17/2020
	Admin – Addition of personnel		Role of <i>Salmonella</i> virulence factors in invasion of mouse meninges	03/17/2020
	Admin – Addition of personnel		Developing <i>Salmonella</i> infection models in guinea pigs and rabbits	03/17/2020
	Admin – Addition of personnel		Evaluation of a recombinant attenuated <i>Salmonella</i> delivery system against metastatic breast cancer in mice	03/17/2020
	Admin – Addition of personnel		Investigation of blood brain barrier and blood cerebrospinal fluid barrier leakage in <i>Salmonella enterica</i> serovar Typhimurium infected mice	03/17/2020

Annual Review of Approved Protocols (via electronic memo)

Protocol #	P.I	Title	Approved	Expires
Redacted by agreement		Murine pulmonary T cell responses to bacterial pathogens	03/01/2018	03/01/2021
		Studies of retinal damage in mice during prion disease	03/01/2018	03/01/2021
		Maintenance of Experimental Flea Colonies using Mice	03/05/2019	03/05/2022
		Protective efficacy of a novel subunit vaccine against lethal EBOV challenge in mice	03/21/2019	03/21/2022
		Prion disease pathogenesis and microglial involvement in mice	03/11/2019	03/11/2022
		Determining the effectiveness of a ChAdOx1-Lassa vaccine in a heterologous challenge of Strain 13 Guinea pigs	03/22/2019	03/22/2022
		Evaluation of bacteriophage therapy for the treatment of Klebsiella pneumoniae infection in mice	03/26/2018	03/26/2021
		Treatment of lethal ZIKV infection with Favipiravir (T-705) and Ribavirin in IFNAR-/- mice	03/27/2018	03/27/2021
		Protective efficacy of an equine antiserum treatment against Ebola virus infection in Guinea pigs	05/03/2017	Study Expiring - Close
		Efficacy of favipiravir treatment in a macaque model of Crimean Congo hemorrhagic fever	03/29/2018	Closed
		Evaluation of a nanoparticle delivered vaccine for Crimean Congo hemorrhagic fever virus in mice	03/08/2019	03/08/2022
		Defining the Effect of Unique Host Genetic Backgrounds and Sex in Ebola Virus Pathogenicity in Mice and Linking Genetic Loci to Phenotype	04/08/2019	04/08/2022
		Efficacy of DNA-Based Vaccines in Cynomolgus Macaques Against Lethal Lassa Virus Challenge	03/11/2019	03/11/2022
		Role of BDL regulatory B cells in the control of regulatory T cells in Friend virus infection in mice	04/09/2019	04/09/2022
		Virulence of fluorescent protein-labeled strains of Yersinia pestis in a mouse model and the effect of different intradermal sites of infection on disease progression	03/19/2019	03/19/2022
		Determining the spatial and temporal dynamics of the MAVS-dependent innate response to virus infection in whole lymph nodes in mice	04/02/2018	04/02/2021
Redacted by agreement		Pathogen surveillance in small mammals in Western Montana	03/13/2018	03/13/2021
		Efficacy testing of mouse antibodies against Andes virus in the hamster HCPS model	03/14/2019	03/14/2022

Protocols Approved and Finalized

Protocol #	P.I	Title	Approved	Expires
Redacted by agreement		ChAdOx1 SARS2 vaccine efficacy in the rhesus macaque model	03/02/2020	03/02/2023
		Efficacy of remdesivir treatment in the rhesus macaque model of SARS-CoV-2	03/02/2020	03/02/2023
		Interactions of tick-borne bacteria and viruses throughout the tick life cycle using the mouse-tick model	03/12/2020	03/12/2023
		Intravaginal Inoculation of Interferon receptor type I Deficient Mice as a Potential Route of Ebola Virus Transmission	03/16/2020	03/16/2023
		Pathogenesis of Ebola viral infection of the Male Reproductive Tract in Mice	03/16/2020	03/16/2023

**V. ADDENDUM FOR REVIEW BY FCR
15**

Addendum #	P.I	Title	Committee's Decision
(b)(5)			

VI. NEW ANIMAL STUDY PROPOSALS –

(b)(5)

(b)(5)

(b)(5)

(b)(5)

(b)(5)

(b)(5)

VII. OTHER BUSINESS –

Redacted by agreement Adverse Event – Guinea pigs that were on medicated water were euthanized. They did not drink the medicated water, lost weight and got sick. The committee voted that this was not reportable and nothing further is needed from the lab.

Redacted by agreement Unexpected Outcome – Guinea pigs showed some signs of necrosis on their ears. An addendum was submitted, and the study will now be considered a column E. Animals should be allowed to remain on study. Nothing further is needed from the lab.

Redacted by agreement Unexpected Outcome – This was thought to be an anesthetic issue. Nothing further is needed from the lab

Redacted by agreement Unexpected Outcome – A guinea pig died unexpectedly. This is thought to be strain dependent. Nothing further is needed from the lab.

Semiannual inspection – Waiting on instructions from OACU and OLAW

VIII. GUIDELINES AND POLICIES TO REVIEW –

Guideline on Anesthesia and Analgesia – Tabled to next month

Policy on the Use of DMR during COVID outbreak – Make minor changes and send out to committee.

IX. NEXT MEETING DATE –

- Thursday, April 23, 2020 starting at 1:30 p.m.

IX. ADJOURNMENT - 1605

Minutes prepared by Redacted by
agreement

MINUTES

I. CALL TO ORDER – Meeting was held via teleconference 1335

Members		Present	Absent
Dr. Steele-Mortimer – Chair		X	
Redacted by agreement		X	
Dr. Scott – Attending Veterinarian		X	
Redacted by agreement		X	
		X	
		X	
		X	
		X	
		X	
		X	
		X	
		X	
		X	
		X	
		X	
		X	
		X	
Guests		Present	
Redacted by agreement		X	

II. APPROVAL OF MINUTES- Approved as written

III. FACILITIES UPDATE.

RML purchased a large refrigerator and currently has several weeks of food for animal colonies. There have been no staffing issues associated with the COVID pandemic.

IV. ADDENDA APPROVED, ANNUAL REVIEW (via electronic memo), APPROVED PROTOCOLS FINALIZED,
Addenda Approved

Addendum #	Approved via	P.I	Title	Approved
Redacted by agreement	DMR	Redacted by agreement	Prophylactic efficacy of Nipah virus F monoclonal antibodies against Nipah virus Bangladesh and Hendra virus in Syrian hamsters	03/19/2020
	DMR		Evaluation of the Immunogenicity of DNA and RNA vaccines against 2019-nCoV in mice	03/23/2020
	DMR		Immunotherapeutic in situ vaccination treatment with Toll-like receptor and costimulation agonists to restore immune cell function in a model of murine retrovirus infection	03/24/2020
	DMR		Investigating the effect of aging (immune senescence) and the efficacy of checkpoint immune therapy on acute and chronic immune responses and viral load in a model of murine retrovirus	03/24/2020
	DMR		Investigating the tissue distribution and functional significance of SIRP α , a newly discovered receptor expressed on virus-activated CD8+ T cells during acute and chronic infection in a model of murine retrovirus infection	03/24/2020
	DMR		Nonhuman primate model development for the novel coronavirus emerging in Wuhan, China	03/26/2020
	FCR		Efficacy of RNA- and DNA-vaccines against a novel coronavirus	03/30/2020
	DMR Subsequent to FCR		Characterizing rickettsial virulence determinants in the Guinea pig model	04/02/2020
	DMR		Evaluation of an RNA vaccine for SARS-CoV-2 in rhesus macaques	04/13/2020
	DMR		Assessing hamster knock out strains as a COVID-19 disease model	04/13/2020
	DMR (Expedited review)		ChAdOx1 SARS2 vaccine efficacy in the rhesus macaque model	04/13/2020
	DMR (Expedited review)		ChAdOx1 SARS2 vaccine efficacy in the rhesus macaque model	04/13/2020
	DMR		Antimicrobial role of nitric oxide during Rickettsia rickettsii-infection in guinea pigs	04/14/2020
	DMR		Evaluation of an RNA vaccine for SARS-CoV-2 in rhesus macaques	04/15/2020
	DMR		Determining the effectiveness of a ChAdOx1-Lassa vaccine in a heterologous challenge of Strain 13 Guinea pigs	04/15/2020

Annual Review of Approved Protocols (via electronic memo)

Protocol #	P.I	Title	Approved	Expires
Redacted by agreement		Surveillance for zoonotic viral pathogens in the Republic of Congo	03/23/2018	03/23/2021
		Isolation and propagation of Sin Nombre virus from wild-caught deer mice	06/09/2017	Study Expiring - Close
		Mechanisms of monocyte egress and trafficking during Orthobunyavirus infection in mice	04/26/2018	04/26/2021
		Production of Friend virus stocks in mice	04/29/2019	04/29/2022
		Efficacy of two VSV-NiV vaccines against homologous and heterologous challenge in African green monkeys	05/01/2018	05/01/2021
		Generation of Prion Infected Brain Materials from Various Mouse and Prion Strains for Experimental Use	05/03/2018	05/03/2021
		Confirmation of Inactivation of Prions, in Samples Prepared for Mass Spectrometry, in mice	05/03/2018	05/03/2021
		Development of mouse infection models to study Klebsiella pneumoniae virulence and potential treatment	06/27/2017	Study Expiring – Close
		Klebsiella pneumoniae infection in non-human primates	05/03/2018	Study Completed – Closed
		Testing of Recombinant Attenuated Salmonella Vaccines against Lassa virus infection in Mastomys natalensis	04/18/2019	04/18/2022
		Production and titration of rat-passaged prion stocks	04/02/2019	Study Completed – Closed
		Adaptation of human derived, genetic prion diseases (Y226X, Q227X, and G131V) to transgenic mice	04/12/2017	Study Expiring - Close
		Treatment of viral encephalitis with Rottlerin and other small molecule compounds in mice	04/16/2019	04/16/2022
		Effects of Injection Volume and Infusion Rate on Y. pestis LN Dissemination in Mice	05/03/2018	Study Completed - Closed

Protocols Approved and Finalized

Protocol #	Method*	P.I	Title	Approved	Expires
Redacted by agreement	Meeting	Redacted by agreement	Mouse Model Development for 2019-nCoV	03/23/2020	03/23/2023
	Meeting		Ferret Model Development for 2019-nCoV	03/23/2020	03/23/2023
	Meeting		Role of the Ebola virus soluble glycoprotein for Ebola virus pathogenicity in mice	03/24/2020	03/24/2023
	Meeting		Testing the protective efficacy of VSV-based vaccine against Kyasanur Forest Disease virus (KFDV) in pigtail macaques	03/30/2020	03/30/2023
	Meeting		Determining the role of Helz2 in suppression of Ebola virus replication in mice.	03/30/2020	03/30/2023
	Meeting		Squirrel Monkeys as a Disease Model for COVID-19	03/30/2020	03/30/2023
	Meeting		CureVac mRNA SARS2 vaccine efficacy in the rhesus macaque model	03/30/2020	03/30/2023
	Meeting		Evaluation of an RNA vaccine for SARS-CoV-2 in rhesus macaques	03/31/2020	03/31/2023
	Meeting		Assessing hamster knock-out strains as a COVID-19 disease model	03/31/2020	03/31/2023
	Meeting		Protective efficacy of a VSV-based vaccine against nCoV-2019 in rhesus macaques	03/31/2020	03/31/2023
	Meeting		Mouse- and hamster-adaptation of SARS-CoV-2	03/31/2020	03/31/2023
	Meeting		Treatment of mouse adapted EBOLA virus (MA-EBOV) infections with anti-CD47 immunotherapy	03/31/2020	03/31/2023
	Meeting		Moderna mRNA-1273 vaccine efficacy against SARS-CoV-2 in the rhesus macaque model	04/01/2020	04/01/2023

Redacted by agreement	Meeting	Redacted by agreement	Development of a Murine Q Fever Post-Vaccination Hypersensitivity Model	04/03/2020	04/03/2023
	Meeting		Immunogenicity and protective efficacy of a bivalent VSV-based vaccine for highly pathogenic influenza virus	04/03/2020	04/03/2023
	DMR Policy		Assessing the role of innate immunity and mitophagy in pathogenesis of COVID-19 in mice	04/13/2020	04/13/2023
	DMR Policy		Prophylaxis and Treatment of COVID-19-like Disease in the Rhesus Macaque Model with Hydroxychloroquine and Azithromycin	04/13/2020	04/13/2023
	DMR Policy		Production of antibodies in mice against Lineage B (SARS-like) Betacoronaviruses including SARS-CoV-2	04/15/2020	04/15/2023

* Meeting – ASPs were reviewed at a convened meeting

DMR Policy – ASPs were reviewed by Designated Member review per RML's ACUC policy.

V. ADDENDUM FOR REVIEW BY FCR

None for this month

VI. NEW ANIMAL STUDY PROPOSALS –

(b)(5)

(b)(5)

(b)(5)



(b)(5)

VII. OTHER BUSINESS –

Redacted by
agreement

Unexpected Outcome – Nothing further is needed from the Lab. This was not study related.

VIII. GUIDELINES AND POLICIES TO REVIEW –

Guideline on Anesthesia and Analgesia – Tabled to next month

IX. NEXT MEETING DATE –

- Scheduled Meeting, Thursday, May 28, 2020 starting at 1:30 p.m.
- An interim meeting may be scheduled for the first week of May. Date TBD

IX. ADJOURNMENT - 1515

Minutes prepared by Redacted by
agreement

RML ACUC

Thursday, May 28, 2020

1:30 PM

MINUTES

I. CALL TO ORDER – Meeting was held via teleconference 1335

Members		Present	Absent
Dr. Steele-Mortimer – Chair		x	
Redacted by agreement		x	
Dr. Scott – Attending Veterinarian		x	
Redacted by agreement			x
		x	
		x	
		x	
			x
		x	
		x	
		x	
		x	
		x	
			x
		x	
			x
Guests		Present	
Redacted by agreement	(teleconference)	x	

II. APPROVAL OF MINUTES- Approved as written

III. FACILITIES UPDATE- Construction of the offices for Redacted by agreement is complete. The Animal Care staff has experienced no staffing issues associated with COVID.

IV. ADDENDA APPROVED, ANNUAL REVIEW (via electronic memo), APPROVED PROTOCOLS FINALIZED,
Addenda Approved

Addendum #	Approved via	P.I	Title	Approved
Redacted by agreement	DMR	Redacted by agreement	Assessing hamster knock strains as a COVID-19 disease model	04/21/2020
	VVC – Additional approved procedure		ChAdOx1 SARS2 vaccine efficacy in the rhesus macaque model	04/21/2020
	VVC – Change in day		Prophylaxis and Treatment of COVID-19-like Disease in the Rhesus Macaque Model with Hydroxychloroquine and Azithromycin	04/23/2020
	VVC – Additional approved procedure		Prophylaxis and Treatment of COVID-19-like Disease in the Rhesus Macaque Model with Hydroxychloroquine and Azithromycin	04/27/2020
	VVC – Additional approved procedure		Prophylaxis and Treatment of COVID-19-like Disease in the Rhesus Macaque Model with Hydroxychloroquine and Azithromycin	04/29/2020
	DMR		Mouse and Hamster adaptation of SARS-CoV-2	04/29/2020
	DMR		Mouse model development for 1029-nCoV	05/01/2020
	DMR		Investigating the effect of aging (immune senescence) and the efficacy of checkpoint immune therapy on acute and chronic immune responses and viral load in a model of murine retrovirus infection.	05/06/2020
	DMR		Evaluation of an RNA vaccine for SARS-COV-2 in rhesus macaques	05/11/2020
	DMR		Utilizing the Syrian hamster as an in vivo drug screening model for SARS-CoV-2	05/11/2020
	DMR		Assessing hamster knock-out strains as a COVID-19 disease model	05/11/2020
	DMR		ChAdOx1 SARS2 vaccine efficacy in the rhesus macaque model	05/11/2020
	DMR		Assessing hamster knock-out strains as a COVID-19 disease model	05/13/2020
	DMR		Assessing the role of innate immunity and mitophagy in pathogenesis of COVID-19 in mice	05/13/2020
	DMR		Evaluation of an RNA vaccine for SARS-CoV-2 in rhesus macaques	05/13/2020
	DMR		Susceptibility of Young Pigs to SARS-CoV-2	05/14/2020

Annual Review of Approved Protocols (via electronic memo)

Protocol #	P.I	Title	Approved	Expires
Redacted by agreement		ChAdOx1-NiV1 vaccine efficacy in the African Green Monkey Model	04/30/2019	04/30/2022
		Investigation of host inflammatory response to Crimean Congo hemorrhagic fever virus in mice	05/03/2019	05/03/2022
		Protective efficacy of a subunit vaccine against lethal Ebola and Marburg virus infection in mice	05/28/2019	05/28/2022
		Immunotherapeutic in situ vaccination treatment with Toll-like receptor and costimulation agonists to restore immune cell function in a model of murine retrovirus infection.	05/03/2018	05/03/2021
		Competence of B. burgdorferi Variants in the Mouse/tick Infectious Cycle	05/29/2019	05/29/2022
		The role of macrophages/monocytes in Ebola virus pathogenesis in hamsters	07/07/2017	Study Expiring - Close

Redacted by agreement	Defining the minimal dose of VSV-EBOV that provides protection in cynomolgus macaques	06/05/2019	06/05/2022
	Analyzing the role of MAVS dependent signaling on spatial organization of the mouse lymph node following infection at a single cell resolution	05/15/2018	05/15/2021
	Evaluation of Host Cell Recruitment to the Skin-draining Lymph nodes of Y. pestis Infected Mice by Intravital Microscopy and Histocytometry	06/01/2018	06/01/2021

Protocols Approved and Finalized

Protocol #	Method*	P.I	Title	Approved	Expires
Redacted by agreement	Meeting	Redacted by agreement	Susceptibility of Young Pigs to SARS-CoV-2	04/24/2020	04/24/2023
	Meeting		Laboratory Animal Breeding/Production	04/27/2020	04/27/2023
	Meeting		Laboratory Animal Care and Use Training Program – Rabbit	04/27/2020	04/27/2023
	Meeting		Laboratory Animal Care and Use Training Program – Small Animal	04/27/2020	04/27/2023
	Meeting		Laboratory Animal Holding	04/27/2020	04/27/2023
	Meeting		Sentinel Animal Surveillance Program	04/27/2020	04/27/2023
	DMR Policy		Protective efficacy of a prophylactic TLR4 agonist treatment against SARS-CoV-2 infection in hamsters	04/28/2020	04/28/2023
	DMR Policy		Utilizing the Syrian hamster as an in vivo drug screening model	05/04/2020	05/04/2023
	Meeting		Protective efficacy of VSV-based vaccines for SARS-CoV-2 in hamsters	05/05/2020	05/05/2023
	DMR Policy		The role of T cells in resistance of Rhesus macaques to COVID-19	05/14/2020	05/14/2023
	DMR Policy		Impact of obesity on SARS-CoV-2 infection and pathogenesis in the Syrian Golden Hamster	05/15/2020	05/15/2023
	Meeting		Guinea pig antibodies against <i>Coxiella burnetii</i> proteins	05/15/2020	05/15/2023
	DMR Policy		Natural route of SARS-CoV-2 Transmission in the Syrian Golden Hamster	05/18/2020	05/18/2023

* Meeting – ASPs were reviewed at a convened meeting

DMR Policy – ASPs were reviewed by Designated Member review per RML's ACUC policy.

V. ADDENDUM FOR REVIEW BY FCR

None for this month

VI. NEW ANIMAL STUDY PROPOSALS –

(b)(5)

(b)(5)

(b)(5)

VII. OTHER BUSINESS –

N/A

VIII. GUIDELINES AND POLICIES TO REVIEW –

N/A

IX. NEXT MEETING DATE –

- Thursday, June 25, 2020 starting at 1:30 p.m.

IIX. ADJOURNMENT - 1430

Minutes prepared by Redacted by
agreement

RML ACUC

Thursday, June 25, 2020

1:30 PM

MINUTES

I. CALL TO ORDER – Meeting was held via teleconference (1330)

Members	Present	Absent
Dr. Steele-Mortimer – Chair	X	
Redacted by agreement	X	
Dr. Scott – Attending Veterinarian	X	
Redacted by agreement	X	
	X	
	X	
	X	
	X	
	X	
	X	
	X	
	X	
	X	
	X	
	-	
	X	
	X	
	X	
Guests	Present	
Redacted by agreement (teleconference)	x	

II. APPROVAL OF MINUTES- Approved as written

III. FACILITIES UPDATE- Nothing new to report.

IV. ADDENDA APPROVED, ANNUAL REVIEW (via electronic memo), APPROVED PROTOCOLS FINALIZED,
Addenda Approved

Addendum #	Approved via	P.I	Title	Approved
Redacted by agreement	Admin – Addition of personnel	Redacted by agreement	Mouse Model Development for 2019-nCoV	05/20/2020
	VVC		The role of T cells in resistance of Rhesus macaques to COVID-19	05/26/2020
	DMR		Protective efficacy of a VSV-based vaccine against nCoV-2019 in rhesus macaques	05/28/2020
	DMR		Natural routes of SARS-CoV-2 transmission in the Syrian Golden Hamster	06/02/2020
	DMR		Murine pulmonary T cell responses to bacterial pathogens	06/02/2020
	DMR		Mouse model development for 2019-nCoV	06/02/2020
	DMR		Investigating the effect of aging (immune senescence) and the efficacy of checkpoint immune therapy on acute and chronic immune responses and viral load in a model of murine retrovirus infection	06/03/2020
	DMR		Nonhuman primate model development for the novel coronavirus emerging in Wuhan, China	06/08/2020
	DMR		Infective Cycle of Borrelia burgdorferi mutants in the Mouse-Tick-Mouse Model of Infection	06/09/2020
	DMR		Imaging metabolism and associated inflammation in vivo following infection in mice	06/09/2020
	DMR		Evaluation of a DNA-vaccine against SARS-CoV-2 in Syrian hamsters	06/10/2020
	DMR		Protective efficacy of VSV-based vaccines for SARS-CoV-2 in hamsters	06/15/2020

Annual Review of Approved Protocols (via electronic memo)

Protocol #	P.I	Title	Approved	Expires
Redacted by agreement		Establishment of a mouse model for Kyasanur forest disease virus infection	05/22/2018	05/22/2021
		Production of rabbit antibody against K. pneumoniae capsular polysaccharide glycoconjugate	05/30/2018	05/30/2021
		Contribution of bacterial membrane lipids in virulence of Francisella tularensis in mice	06/10/2018	06/10/2021
		Assessing the contributions of circulating T cells in tularemia using mouse parabiosis	08/31/2017	Study Expiring - Closed
		Efficacy of active and passive immunization against Klebsiella infection in immunocompromised mouse model	07/05/2018	07/05/2021
		Rabbit model of recurring Staphylococcus aureus skin and soft infections	07/05/2018	07/05/2021
		Control of Allergic Inflammation with Francisella lipids and Francisella Inspired Liposomes	06/18/2019	06/18/2022
		Prophylactic efficacy of Nipah virus F monoclonal antibodies against Nipah virus Bangladesh and Hendra virus in Syrian hamsters	07/09/2019	07/09/2022
		Assessment of Lloviu virus pathogenicity in a murine infection model	07/10/2018	07/10/2021
		Establishment of a mouse model for Alkhurma virus infection	06/11/2019	06/11/2022
		Role of the Yersinia pestis F1 capsule in promoting mammal-to-flea transmission in mice	07/09/2018	07/09/2021
		Protective efficacy of a VSV-based Yellow Fever vaccine against challenge in the mouse model	07/12/2019	07/12/2022

Protocols Approved and Finalized

Protocol #	Method*	P.I	Title	Approved	Expires
Redacted by agreement	Meeting	Redacted by agreement	Pathogenesis and immune response in young versus older adult rhesus macaques	06/01/2020	06/01/2023
	Meeting		Evaluation of a DNA vaccine for SARS-CoV-2 in hamsters	06/02/2020	06/02/2023
	Meeting		Evaluation of an RNA vaccine for SARS-CoV-2 in pigtail macaques	06/03/2020	06/03/2023
	Meeting		Recombinant Attenuated Salmonella Vaccines against SARS-CoV-2 infection in Hamsters	06/09/2020	06/09/2023
	DMR Policy		Different routes of vaccination with ChAdOx1 nCoV-19 in NHPs	06/09/2020	06/09/2023
	Meeting		Immunogenicity and protective efficacy of a VSV-based vaccine for SARS-CoV-2 in mice.	06/17/2020	06/17/2023

* Meeting – ASPs were reviewed at a convened meeting

DMR Policy – ASPs were reviewed by Designated Member review per RML's ACUC policy.

V. ADDENDUM FOR REVIEW BY FCR

None for this month

VI. NEW ANIMAL STUDY PROPOSALS –

(b)(5)

(b)(5)

(b)(5)

(b)(5)

VII. OTHER BUSINESS –

Redacted by [REDACTED] Unexpected Outcome – Compound was found to be toxic. The protocol was addended to run a toxicology group. The PI will update the report to include changes made to protocol to prevent this.

Mouse uncrating incident – Details to be clarified and brought back to the July meeting.

VIII. GUIDELINES AND POLICIES TO REVIEW –

Guidelines on Polyclonal Antibody Production in Rabbits – 3 year renewal approved with no modifications
Guidelines on Anesthesia and Analgesia – 3 year renewal approved with no modifications

IX. NEXT MEETING DATE –

- Thursday, July 23, 2020 starting at 1:30 p.m.

IIX. ADJOURNMENT - 1605

Minutes prepared by Redacted by
anreement

RML ACUC

Thursday, July 23, 2020

1:30 PM

MINUTES

I. CALL TO ORDER – Meeting was held via teleconference (1335)

Members		Present	Absent
Dr. Steele-Mortimer – Chair		X	
Redacted by agreement		X	
Dr. Scott – Attending Veterinarian			X
Redacted by agreement		X	
		X	
		X	
		X	
			X
			X
			X
		X	
		X	
		X	
		-	
		X	
		X	
		X	
Guests		Present	
Redacted by agreement		X	

II. APPROVAL OF MINUTES- Approved as written

III. FACILITIES UPDATE- Nothing new to report. There have been no issues associated with the return of Groups A & B to the physical workspace

IV. ADDENDA APPROVED, ANNUAL REVIEW (via electronic memo), APPROVED PROTOCOLS FINALIZED,
Addenda Approved

Addendum #	Approved via	P.I	Title	Approved
Redacted by agreement	DMR	Redacted by agreement	The role of T cells in resistance of Rhesus macaques to COVID-19	06/17/2020
	DMR		Protective efficacy of a VSV-based vaccine against nCoV-2019 in rhesus macaques	06/17/2020
	DMR		Impact of obesity on SARS-CoV-2 infection and pathogenesis in the Syrian Golden Hamster	06/17/2020
	DMR		Natural routes of SARS-CoV-2 transmission in the Syrian Golden Hamster	06/17/2020
	DMR		Murine pulmonary T cell responses to bacterial pathogens	06/24/2020
	DMR		Investigating the effect of aging (immune senescence) and the efficacy of checkpoint immune therapy on acute and chronic immune responses and viral load in a model of murine retrovirus infection.	06/24/2020
	DMR		Establishing a model of Crimean-Congo hemorrhagic fever using a mouse-adapted strain of CCHFV	06/24/2020
	DMR		Assessing hamster knock-out strains as a COVID-19 disease model	06/29/2020
	DMR		Immunogenicity and protective efficacy of a VSV-based vaccine for SARS-CoV-2 in mice.	06/29/2020
	DMR		Murine pulmonary T cell responses to bacterial pathogens	06/30/2020
	DMR		Role of Salmonella virulence factors in invasion of mouse meninges	07/02/2020
	DMR		Investigating the effect of aging (immune senescence) and the efficacy of checkpoint immune therapy on acute and chronic immune responses and viral load in a model of murine retrovirus infection.	07/02/2020
	DMR		Treatment of mouse adapted EBOLA virus (ma-EBOV) infections with anti-CD47 immunotherapy	07/06/2020
	DMR		Utilizing the Syrian hamster as an in vivo drug screening model	07/08/2020
	DMR		Protective efficacy of a VSV-based vaccine against nCoV-2019 in rhesus macaques	07/08/2020
	DMR		Investigating the effect of aging (immune senescence) and the efficacy of checkpoint immune therapy on acute and chronic immune responses and viral load in a model of murine retrovirus infection.	07/08/2020
	DMR		Analysis of the protective efficacy of a VSV-based vaccine against Kyasanur forest disease virus (KFDV) infection in mice	07/13/2020
	Admin – Addition of personnel		Impact of obesity on SARS-CoV-2 infection and pathogenesis in the Syrian Golden Hamster	07/14/2020
	DMR		Assessing the role of innate immunity and mitophagy in pathogenesis of COVID-19 in mice	07/14/2020

Annual Review of Approved Protocols (via electronic memo)

Protocol #	P.I	Title	Approved	Expires
Redacted by agreement		Preclinical testing of a DNA Vaccine for Middle East Respiratory Syndrome coronavirus (MERS-CoV) in rhesus macaques	07/16/2018	07/16/2021
		Determining the role of plasmacytoid dendritic cells and macrophages in interferon-mediated control of EBOV infection in mice	06/28/2018	06/28/2021
		Effect of Mosquito Salivary Gland extract and proteins on Zika virus pathogenesis in mice	07/01/2019	07/01/2022
		Cross-protection of ChAdOx1-NiV-B vaccination against Nipah virus Malaysia and Hendra virus in Syrian hamsters	07/05/2018	07/05/2021
		Comparative pathogenesis of Crimean Congo Hemorrhagic Fever strain Hoti and 10200 in mice	09/06/2017	Study Expiring - Close
		Efficacy testing of human antibodies against Andes virus in the hamster HCPS model	09/05/2017	Study Expiring - Close
		Sex-dependent survival of hDPP4 mice infected with MERS-CoV	07/31/2019	07/31/2022
		Protective efficacy of the immunotherapeutic IMT504 against MERS-CoV infection in mice	07/31/2018	Study Closed
		Role of Prion Protein in White Matter Degeneration	08/01/2018	08/01/2021

Protocols Approved and Finalized

Protocol #	Method*	P.I	Title	Approved	Expires
Redacted by agreement	Meeting	Redacted by agreement	Efficacy of a subcutaneous formulation of remdesivir against SARS-CoV-2 infection in rhesus macaques	06/29/2020	06/29/2023
	Meeting		Prophylactic and therapeutic efficacy of CR-31-B against SARS-CoV-2 in K18-hACE2 mice	06/29/2020	06/29/2023
	Meeting		Efficacy Testing of a Plaque-purified VSV-Nipah Vaccine Stock in African Green Monkeys	06/29/2020	06/29/2023
	DMR Policy		The role of T cells in resistance of golden Syrian hamsters to COVID-19	07/02/2020	07/02/2023
	Meeting		Role of obesity in pulmonary infection with SARS-CoV-2, Francisella tularensis, Bordetella pertussis in mice	07/13/2020	07/13/2023
	Meeting		Immune cell-depletion in hACE2 mice challenged with SARS-CoV-2	07/14/2020	07/14/2023

* Meeting – ASPs were reviewed at a convened meeting

DMR Policy – ASPs were reviewed by Designated Member review per RML's ACUC policy.

V. ADDENDUM FOR REVIEW BY FCR

Addendum #	P.I	Title	Committee's Decision
(b)(5)			

VI. NEW ANIMAL STUDY PROPOSALS –

(b)(5)



(b)(5)

VII. OTHER BUSINESS –

Updated unexpected outcome [Redacted by argument] – Nothing further is needed from the lab
Shipment [Redacted by argument] – 3 mice were received dead from the vendor, and another needed to be euthanized. The vendor was contacted. The chair will request what the vendor's response was from the facility manager. To be shared at the August ACUC meeting.

VIII. GUIDELINES AND POLICIES TO REVIEW –

None

IX. NEXT MEETING DATE –

Thursday, August 27, 2020 starting at 1:30 p.m.

X. ADJOURNMENT - 1430

Minutes prepared by [Redacted by argument]