

INSTITUTIONAL BIOSAFETY COMMITTEE MINUTES
 Recombinant DNA(RM)
 Meeting #276
 Tuesday, May 12, 2026
Hybrid - In Person Location BSRB S3.8003ab - 1:00 PM

Members Present

Xue Hao, Assistant Professor
 Bisrat Godefay Debeb, Associate Professor
 Kwong K Wong, Professor
 Izabela Fokt, Assistant Professor
 Marcos Roberto Estecio, Professor
 Xiang-Yang Han, Professor
 Dina H Ray, Research Nurse Manager
 Zahid H Siddik, Professor
 Erica J Moore, Assistant Professor
 Pijus K Mandal, Institute Research Scientist
 Chavaun H LeBlanc, Mgr, Environ Health & Safety
 Niki M. Zacharias Millward, Associate Professor
 Hai T Tran, Associate Professor
 Hesham Amin, Professor
 Rajneesh Pathania, Assistant Professor
 Linette M Leadon, Dir, EHS Sustain & Emerg Mgmt
 Krithika Srinivasan, Assistant Professor
 Jody Swain, Associate Professor
 Yang Lu, Supv, Laboratory & Research
 Taiping Chen, Professor
 Vidya Gopalakrishnan, Associate Professor
 Pramod N Nehete, Professor

Members Absent

Tora D Ogunmakin, Assoc Dir, Ambulatory Nursing
 Shilpa S. Dhar, Assistant Professor
 Guang Peng, Professor
 Guocan Wang, Associate Professor
 Humam N Kadara, Professor

Community Members Present

Others Present

Robert Plant, Safety Specialist
 Allyson Wakefield, Program Manager
 Madeline McAllister, Compliance Analyst
 Cheryl Smith, Safety Specialist
 Tekchheng Tam, Safety Specialist
 Garlen F Yeager Jr, Principal Safety Specialist
 Brittany N Kleb, Assoc Dir, Institutional Compl
 Edith Plants Paris, Compliance Analyst
 David A Imperial, Safety Specialist
 Marivonne Rodriguez, Principal Safety Specialist
 Dana Blackburn, Compliance Analyst
 Nastassia Harper, Safety Specialist

Others Absent

1. APPROVAL OF THE PAST MEETING MINUTES

Meeting	Votes-Yes	Votes-No	Votes-Abstain	Votes-Recuse
IBC Recombinant meeting on Tuesday, April 14, 2026	17	0	5	0

2. CONFLICT OF INTEREST RECUSAL

Attendee	Project	Comment
Zahid H Siddik	RM00000182-RN03	Dr. Siddik is the PI of this registration.
Guocan Wang	RM00002407-RN01_AM21	Dr. Wang is the PI of this non-administrative amendment.
Pramod N Nehete	RM00003371-RN01_AM3	Dr. Nehete is the PI of this non-administrative amendment.
Guocan Wang	TA00002415-RN01_AM14	Dr. Wang is the PI of this non-administrative amendment.

3. REPORT OF THE ADVERSE EVENTS

Krithika Srinivasan, M.D.; Assistant Professor, Infections Diseases - Nothing to report.

4. REPORT OF THE SAFETY COMMITTEE

Linette Leadon, M.S.; Dir, Fac Mgt EHS Administration - Nothing to report.

5. REPORT OF RECOMBINANT DNA (RM) SUBCOMMITTEE

Marcos Roberto Estecio, Ph.D.; Professor, Epigenet & Mol Carcinogenesis

6. NEW PROTOCOLS

BSL 1: NEW PROTOCOLS

There are no new protocols to review for this meeting.

NEW TRANSGENIC ANIMAL PROTOCOLS:

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	22	0	0	0
Investigator :			David G Menter	
Document No. :			TA00001776-RN02	
NIH Guidelines Category :			III-F-8.	
Agents :				
Species	ACUF#	Genes Inserted		Genes Deleted
Mouse	00001187-RN04	Apc		Apc
Biosafety Level :			BSL1	

NEW TRANSGENIC ANIMAL PROTOCOLS:

Meeting Notes :

The investigator will utilize transgenic animals to study key molecules governing the formation and progression of cancers and their microenvironment. The investigator should include the genes of interest in the IBC registration. ACUF is current.

BSL 2: NEW PROTOCOLS

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	22	0	0	0
Investigator :			Florencia McAllister	
Document No. :			RM00005057-RN01	
NIH Guidelines Category :			III-D-3-a.	
Agents :				
Viral Systems				
Virus System		Virus Administered to Animals		Backbones
pLenti-CMV-GluA2-luciferase-edited		No		pLenti
pcDNA-CMV-GluA2-luciferase-editable		No		pcDNA
pcDNA-CMV-GluA2-luciferase-negative control		No		pcDNA
pLenti-CMV-GluA2-luciferase-negative control		No		pLenti
pcDNA-CMV-GluA2-luciferase-edited		No		pcDNA
pLenti-CMV-GluA2-luciferase-edited		No		pLenti
Cell Lines				
Cell Line			Cell Lines Administered to Animals in Vivo	
Pancreatic cancer cells			No	
Human Embryonic Kidney cell line			No	
Room Numbers				
Room No.			Description	
S7.8228b			Tissue Culture Facility	
Biosafety Level :			BSL2	
Meeting Notes :			The goal of this protocol is to identify regulators of ADAR1-mediated adenosine-to-inosine RNA editing in pancreatic cancer. Standard plasmids, and lentiviral vectors will be used to deliver siRNAs targeting candidate regulators, and ADAR1 editing activity will be measured using an ADAR1 reporter plasmid. Work in animals is not part of the study.	

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	22	0	0	0
Investigator :			Bingnan Zhang	
Document No. :			RM00008783-RN00	
NIH Guidelines Category :			III-C-1.	
Agents :				
Viral Systems				
Virus System		Virus Administered to Animals		Backbones
Lentivirus		No		KCR859
Cell Lines				
Cell Line			Cell Lines Administered to Animals in Vivo	
Lung Cancer			No	
T cells			No	
Room Numbers				
Room No.			Description	
P14.2910			Diagnostic Service Laboratory	
Biosafety Level :			BSL2	
Meeting Notes :			The primary objective of this phase I/II clinical protocol is to characterize the safety and tolerability of DJI136 in patients with small cell lung cancer and identify the recommended dose for future studies. The agent is an autologous CAR-T therapy targeting DLL3. They will also characterize the expansion and persistence of CAR-T cells in peripheral blood and/or tissue. IRB is approved.	

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	22	0	0	0
Investigator :			Francois Villingier	
Document No. :			RM00008841-RN00	
NIH Guidelines Category :			NA	
Agents :				
Microbial Agents				
Name			Administered to Animals in Vivo	
Corona virus 2 (Wuhan)			Yes	
Room Numbers				
Room No.			Description	
VLA1.MP2			Animal Facilities	
VLA1.MP7			Animal Facilities	
VLA1.MP6			Animal Facilities	
BRE1.3318			Research/Non-Class Laboratory- Wet Lab	
BRE1.2113			Chemical Fume Hood Room	
BRE1.4107			Research/Non-Class Laboratory- Wet Lab	
BRE1.2409			Animal Necropsy	
VLA1.MP3			Animal Facilities	
Biosafety Level :			BSL2	
Meeting Notes :			This protocol is designed to evaluate the protective efficacy of a universal vaccine—ovalbumin encapsulated in nanoparticles together with a TLR1/2 agonist in nanoparticles—against SARS CoV 2 infection in a nonhuman primate model. One month after the final immunization, all animals will be challenged intratracheally with SARS CoV 2 and monitored for viral replication and pulmonary inflammation using FDG PET/CT imaging. PPE includes N95 respirators to decrease risk to personnel, along other disinfecting practices. ACUF is under IACUC review.	

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
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<u>BSL 2: NEW PROTOCOLS</u>				
Approved With Contingencies	22	0	0	0
Investigator :			David Piwnica-Worms	
Document No. :			RM00008870-RN00	
NIH Guidelines Category :			III-D-3-a.	
Agents :				
Viral Systems				
Virus System		Virus Administered to Animals		Backbones
Lentivirus		No		Edit-R
Cell Lines				
Cell Line			Cell Lines Administered to Animals in Vivo	
PBMC			No	
Lymphatic Endothelial Cells			No	
Microbial Agents				
Name			Administered to Animals in Vivo	
GFP-CMV			Yes	
Room Numbers				
Room No.			Description	
ICP1.8990			Research/Non-Class Laboratory- Wet Lab	
Biosafety Level :			BSL2	
Meeting Notes :			The goal of this protocol is to explore the infectivity and latency of cytomegalovirus (CMV) in lymphatic endothelial cells. The protocol aims to develop a therapeutic discovery program that identifies LEC dependencies for CMV infection. A lentiviral system will be used that will not be administered to animals. eGFP-CMV, human lymphatic endothelial cells and PBMCs will be used and which will be injected in animals. ACUF is current.	
Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	22	0	0	0
Investigator :			Hind Rafei	
Document No. :			RM00008839-RN00	
NIH Guidelines Category :			III-D-1-a.	
Agents :				
Non Viral Systems				
Technical Name			Is Whole Animal Used as Host	
sgRNA, crRNA			No	
Viral Systems				
Virus System		Virus Administered to Animals		Backbones
lentivirus		No		pRRL; pCCL; pLV
RETROVIRUS		No		pRetro
retrovirus		No		SFG
lentivirus		No		pHAGE - HIV-1 based backbone (2nd generation lentivirus)
Cell Lines				
Cell Line			Cell Lines Administered to Animals in Vivo	
T cells			Yes	
Cancer-associated fibroblasts			Yes	
Cancer-associated fibroblasts			Yes	
293T			No	
human primary cells - Peripheral blood mononuclear cells			Yes	
293GP			No	
Patient-derived pancreatic cancer organoids			Yes	
PDX-derived pancreatic cancer cells			Yes	
Pancreatic cancer			Yes	
human pancreatic stellate cells (hPSCs)			Yes	
Normal fibroblasts			Yes	
Normal fibroblasts			Yes	
Matrix			Yes	
Room Numbers				
Room No.			Description	
2SCR4.2158			Tissue Culture Facility	
PPB1.491			Animal Facilities	
Biosafety Level :			BSL2	
Meeting Notes :			The goal of the research project is to develop durable immune cell therapy, specifically T-cell therapy for pancreatic cancer. They will take a genetic approach in which a gene encoding the transcription factor CREM is removed. This engineering process helps remove the brakes that limits T-cell function in hypoxic microenvironment. Second, they will test a drug called belzutifan, that counters the effects of hypoxia in the microenvironment against T-cells. Mesothelin-targeting CAR-T cells will also be tested against pancreatic cancer organoids and patient derived xenograft models cells of pancreatic cancer in vitro and in mouse models of the disease. Retroviral and lentiviral vectors will be used for engineering purposes. Virus will not be introduced in animals. IBC included due to collection of human specimens.	
Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
	22	0	0	0
Investigator :			Sachet Shukla	
Document No. :			RM00008635-RN00	
NIH Guidelines Category :			NA	
Agents :				
Cell Lines				
Cell Line			Cell Lines Administered to Animals in Vivo	
A549 cells- human lung carcinoma cell line			No	
THP-1 human monocytic leukemia cell line			No	

BSL 2: NEW PROTOCOLS

Room Numbers		Description		
Room No.		Tissue Culture Facility		
2SCR4.2157		Tissue Culture Facility		
2SCR4.2162		BSL2		
Biosafety Level :		The PI responded to contingencies and opted for disposal of the agents, and will withdraw the registration because they will not proceed with the planned experiments.		
Meeting Notes :				

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	21	0	1	0
Investigator :	Zahid H Siddik			
Document No. :	RM00000182-RN03			
NIH Guidelines Category :	III-D-1-a.			
Agents :				
Non Viral Systems				
Technical Name		Is Whole Animal Used as Host		
pcDNA3.1		No		
pCMV		No		
pGL2		No		
Viral Systems				
Virus System	Virus Administered to Animals		Backbones	
Lentivirus	No		pGIPZ	
Lentivirus	No		pLV-CRISPR-Cas9n-2A-Puro-U6	
Cell Lines				
Cell Line	Cell Lines Administered to Animals in Vivo			
Mesothelioma	No			
Osteosarcoma	No			
Colorectal	No			
Leukemia	No			
Non-Small Cell Lung Cancer	No			
Ovarian	No			
Breast	No			
Microbial Agents				
Name	Administered to Animals in Vivo			
E.Coli (DHa5 strain)	No			
Room Numbers				
Room No.	Description			
4SCR3.1176	Tissue Culture Facility			
4SCR3.1101	Chemical Fume Hood Room			
4SCR3.1115	Research/Non-Class Laboratory- Wet Lab			
Biosafety Level :	BSL2			
Meeting Notes :	The PI aims to will investigate p53 loss of function in cisplatin resistance, through expression of target genes such as p21 and Bax. The protocol involves the use of plasmids and lentiviral systems, and diverse human cancer cell lines. Animal work is not part of the project.			

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	22	0	0	0
Investigator :	Stephen Yenzen Lai			
Document No. :	RM00001179-RN02			
NIH Guidelines Category :	III-D-1-a.			
Agents :				
Non Viral Systems				
Technical Name		Is Whole Animal Used as Host		
pcDNA6.2EMGFP		No		
pmirGLO		No		
pGL4		No		
Viral Systems				
Virus System	Virus Administered to Animals		Backbones	
Lentivirus	No		pTripz-shRNA	
Retrovirus	No		PBMN-I-GFP	
Lentivirus	No		plvx-tetone	
Lentivirus	No		pInducer 20	
Lentivirus	No		pInducer	
Lentivirus	No		pInducer 10	
Cell Lines				
Cell Line		Cell Lines Administered to Animals in Vivo		
Mouse squamous cell carcinoma cell line		No		
Thyroid cancer cell line		Yes		
293T		No		
Head and Neck cancer cell lines		Yes		
phoenix		No		
Microbial Agents				
Name		Administered to Animals in Vivo		
E.coli including DH5alpha and TOP10		No		
Room Numbers				
Room No.		Description		
T5.3932A		Tissue Culture Facility		
T5.3925		Tissue Culture Facility		
S1.8468		Animal Facilities		

BSL 2: NEW PROTOCOLS**Room Numbers**

S1.8469	Animal Facilities
S1.8472	Animal Facilities
S1.8473	Animal Facilities
Biosafety Level :	BSL2
Meeting Notes :	The PI aims to study the functional role of microRNAs and diverse oncogenes in cancer cells. Expression of the genes of interest will be modified in cells lines using plasmids and viral vectors. These cell lines will be injected into nude mice. ACUFs are current.

BSL 3: NEW PROTOCOLS

There are no new protocols to review for this meeting.

7. MODIFICATIONS WITH NEW BSL2/BSL3 AGENTS/PROCEDURES/PI CHANGE

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	22	0	0	0
Investigator :	Sara Zanivan			
Document No. :	RM00008452-RN00_AM3			
NIH Guidelines Category :	III-D-1-a.			
Agents :				
Non Viral Systems				
Technical Name		Is Whole Animal Used as Host		
pCMV6-AC-GFP, pX458, pMD2.G		No		
Viral Systems				
Virus System		Virus Administered to Animals	Backbones	
Lentivirus		No	pLKO.1	
Lentivirus		No	pLV, Lenti-guide-blast, pLCV2,pSUPER-Retro-Puro	
Cell Lines				
Cell Line		Cell Lines Administered to Animals in Vivo		
B5725		Yes		
C0321		Yes		
AT-3		Yes		
EO771		Yes		
MMTV-PyMT		Yes		
immortalized fibroblast		No		
Phoenix		No		
Cancer Assosiated Fibroblasts		Yes		
Microbial Agents				
Name		Administered to Animals in Vivo		
E coli DH5alpha		No		
Biosafety Level :		BSL2		
Meeting Notes :		Cell lines were added to the protocol for in vitro and in vivo experiments.		

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	22	0	0	0
Investigator :	Jyotika Sharma			
Document No. :	RM00004753-RN01_AM1			
NIH Guidelines Category :	NA			
Agents :				
Cell Lines				
Cell Line		Cell Lines Administered to Animals in Vivo		
MCF-7 cells overexpressing CYP19 aromatase enzyme (TR1)		No		
Human neutrophil		No		
Breast Cancer cells-MCF-7 cells overexpressing Androgen Receptor (TR2)		No		
MCF-7 parental cells (breast cancer)		No		
Microbial Agents				
Name		Administered to Animals in Vivo		
Klebsiella pneumoniae		Yes		
Granulibacter bethesdensis		Yes		
Influenza A virus (A/Puerto Rico/8/1934 [H1N1]; PR8)		Yes		
Staphylococcus aureus		Yes		
Pseudomonas aeruginosa		Yes		
Helminth secreted factor (HSF)		Yes		
Streptococcus pneumoniae		Yes		
Biosafety Level :		BSL2		
Meeting Notes :		Updated IACUC protocol number due to renewal.		

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0
Investigator :	Francois Villinger			
Document No. :	RM00008241-RN00_AM5			
NIH Guidelines Category :	III-D-4-b.			
Agents :				
Viral Systems				
Virus System	Virus Administered to Animals		Backbones	
pInv-SIVsc/VSV-G	Yes		SIV under pInv promoter (Nef deleted)	
Microbial Agents				
Name	Administered to Animals in Vivo			
SHIV-1157ipd3N4, SHIV IELp3, SHIV C109, SHIV KN1144, SHIV 162p3, SHIV AD8EO, SHIV CH505, SHIV-RT	Yes			
SIV	Yes			

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0
Investigator :	Yuan Pan			
Document No. :	RM00005849-RN00_AM65			
NIH Guidelines Category :	III-D-4-b.			
Agents :				
Non Viral Systems				
Technical Name	Is Whole Animal Used as Host			
	No			
	No			
	No			
	No			
Viral Systems				
Virus System	Virus Administered to Animals		Backbones	
	Yes			
	Yes			
	Yes			
	Yes			
	No			
	Yes			
	Yes			
	No			
	Yes			
	Yes			
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	No			
	Yes			
	Yes			
	Yes			
	No			
	Yes			
	No			

Country	Yes	No
Algeria	Yes	
Algeria	Yes	
Algeria	Yes	
Algeria	No	
Algeria	Yes	
Algeria	No	
Algeria	Yes	
Algeria	Yes	
Algeria	No	
Algeria	No	
Algeria	Yes	
Algeria	No	
Algeria	No	
Algeria	Yes	
Algeria	No	
Algeria	Yes	
Algeria	No	
Algeria	No	
Algeria	No	
Algeria	No	
Algeria	No	
Algeria	No	
Algeria	No	
Algeria	Yes	
Algeria	Yes	

Age Group	Percentage of Respondents
18-29	85%
30-39	78%
40-49	72%
50-59	65%
60-69	58%
70-79	52%
80-89	45%
90+	38%

Disposition
Approved With Contingencies
Investigator :

Yes
No
Yes
Yes
No
Yes
Yes
Yes
Yes
Yes
Yes
No
Yes
Yes
Yes
Yes
Yes
No
Yes
No
Yes
Yes
No
Yes
Yes
No
No
No
Yes
Yes
Yes
Yes
No
No
No
Yes
Yes

No
BSL2
Addition of a new IACUC protocol, which is associated with the use of existing cell lines and [REDACTED].

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	22	0	0	0
Investigator :	Guocan Wang			

Document No. :		RM00002407-RN01_AM21	
NIH Guidelines Category :		III-D-4-b.	
Agents :			
Non Viral Systems			
Technical Name		Is Whole Animal Used as Host	
pCMV, PCMV deltaR8.74, pCMV5, pCMV6		No	
pBluescript KS(-), pBluescript II sk+		No	
pCR3.1 AR-V7		No	
pMGL		No	
pENTER AR-V7		No	
pENTR223		No	
pUC Ori vector (PX330)		No	
pCDNA, pCDNA3, pCDNA3.1		No	
pCAG-pBase		No	
ECO-PAK		No	
Viral Systems			
Virus System	Virus Administered to Animals	Backbones	
Lentivirus/packaging virus	Yes	pRSV-Rev, pMD2.G, pMD-VSVG; pAX2	
AAV-Cre-GFP	Yes	pAAV-MCS	
Lentivirus/shRNA	No	pLentiRNAGuide_002 - hU6-RfxCas13d-DR-BsmBI-EFS-Puro-WPRE, pLentiRNAGuide_001 - hU6-RfxCas13d-DR-BsmBI-EFS-Puro-WPRE, piLenti-siRNA & pGIPZ Lentiviral shRNA	
Lentivirus	Yes	pHAGE AR-V7, pLEX305_Cterm-dTAG, pLEX305_Nterm-dTAG, PITChv2-BSD-dTAG (BRD4), pCRIS-PITChv2-dTAG-BSD (BRD4), PITChv2-Puro-dTAG (BRD4), pCRIS-PITChv2-dTAG-Puro (BRD4), & pX330A-nBRD4/PITCh	
Retrovirus	Yes	MIG (MIG-Flag-ER-Hoxb8)	
Lentivirus/ shRNA	Yes	pLenti, CRISPR/ Cas9	
Lentivirus/ shRNA	Yes	pLenti, pTomo, pCCL-cppt-PGK-WPRE	
Lentivirus/OE	Yes	pLenti 6.3-V5/DEST and pLenti4-V5/DEST	
Lentivirus/ shRNA	Yes	pLKO.1, pLenti6.3,pLenti4,pLKO.3G,pHAGE, pLVX	
Retrovirus	Yes	MSCV (MSCV neo-HA-ER-Hoxb8)	
Retrovirus	Yes	pBabe, pWZL, pMSCV	
Retrovirus	Yes	pBabe, pQCXIN, pRKO, pEYK, pRRL	
Lentivirus/shRNA	No	pLenti6/BLOCK-iT-DEST	
Cell Lines			
Cell Line	Cell Lines Administered to Animals in Vivo		
Chinese Hamster Ovary (CHO-SCF)	No		
Embryonal kidney cell lines (293T)	No		
Prostate cancer cell lines	Yes		
Human NEPC (NCI-H660, LASCPC-1)	Yes		
Mammary gland cell lines (e.g., 4T07, 4T1, HCC1428, HCC1429, HCC1469, HMLE, HS578T,MCF10A)	No		
Urothelial carcinoma (MB49)	Yes		
Prostate cell lines derived from metastatic sites (e.g., DU145, LNCAP, PC3, PC3M, VCAP)	Yes		
Mouse Embryotic Stem Cells	No		
HL 60 (Promyeloblast)	No		
Human endothelial cell lines	Yes		
Mouse Melanoma (B16-GM-CSF)	No		
Lung derived from metastatic sites (e.g., H2052, H2B)	No		
Prostate cancer cell lines	Yes		
Mouse Kidney Cancer Cell Line RENCA	Yes		
Mammary gland cells derived from metastatic sites (e.g., HCC1954, MCF7, MDA-MB231, SKBR3)	Yes		
Human NEPC (144-13)	Yes		
Fibroblast cell lines	No		
Human KidneyCancer Cell Lines 769P, 786O & A498)	Yes		
Urothelial carcinoma (NHU-Tert, HT1197, HT1376, T24, RT-112,)	Yes		
Mouse Myeloid (ER-HoxB8 GMP)	No		
Colon cancer cell line (HCT116)	Yes		
Urothelial carcinoma (UCC-3, UCC-14, UCC-17, UCC-36)	Yes		
Mouse Kidney Cancer Cell Line LVRCC67	Yes		
Mouse Bone Marrow (Jedi Bone Marrow)	Yes		
Urothelial carcinoma (UPPL1541, BBN963)	Yes		
Mouse NEPC (PTR, KPTR)	Yes		
Mammary gland ductal carcinoma (e.g., BT459, BT474)	No		
Microbial Agents			
Name	Administered to Animals in Vivo		
DH5a E. coli	No		
Biosafety Level :	BSL2		
Meeting Notes :	This amendment adds a new IACUC protocol to the registration.		

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	22	0	0	0
Investigator :	Rafael Casellas			
Document No. :	RM00006115-RN00_AM13			
NIH Guidelines Category :	III-D-1-a.			
Agents :				
Non Viral Systems				
Technical Name	Is Whole Animal Used as Host			
	No			
	No			
	No			
	No			

Virus System

No
No
No
No

Cell Line

Device Type	Percentage of Respondents
Smartphone	92%
Tablet	88%
Smartwatch	75%
Smart TV	68%
Smart Home Hub	62%
Smart Car	58%
Smart Thermostat	52%
Smart Light Bulbs	48%
Smart Doorbell	42%
Smart Lock	38%
Smart Alarm System	32%
Smart Garden System	28%
Smart Pet Feeder	22%
Smart Watering System	18%
Smart Smoke Detector	12%
Smart Air Purifier	8%
Smart Window Blinds	5%
Smart Mirror	3%
Smart Scale	2%
Smart Plug	1%

No
Yes
Yes
Yes
Yes
Yes
No
Yes
No
Yes
Yes
Yes
Yes
Yes
Yes
Yes
No

Name _____

Biosafety Level :

Meeting Notes :

No
BSI

Updated IACUC protocol number and description of agents.

Investigator : Pramod N Nehete
Document No. : RM00003371-RN01_AM3
NIH Guidelines Category : III-D-4-b.
Agents :

Cell Line

Monkey PBMC
T lymphocyte cell line (C8166)
T lymphocyte cell line (H9)

No
No
No

Name

SHIV

Biosafety Level :

Meeting Notes :

Yes
BSI

Updated IACUC protocol number due to renewal.

Investigator :	Seyed Javad Mirhassani Moghaddam
Document No. :	RM00004922-RN01_AM1
NIH Guidelines Category :	III-D-4-b.
Agents :	

Virus System

Lentivirus

Microbial Agents

Name

NTHi Strain 12 lysate

Biosafety Level :

Meeting Notes :

Yes

EMPTY

Yes
BSI

Updated IACUC protocol number due to renewal.

Investigator :	Ronald A DePinho
Document No. :	TA00000781-RN02_AM10
NIH Guidelines Category :	III-F-8.
Agents :	

Species

Mouse 00002678-RN00

Genes Inserted

Halo-Sox2; Rosa26 FLPe⁺, Ptf1a-CreERT; p48 Cre; CDX2-
 CreERT2; CAG-Cre; Syn1-Cre; Rlu1c-HiTER; R26-CAGGS-
 pA/R26-CreERT2; pA/3xTg; Nestin-CreERT2; Camk2a-
 CreERT2; pA/5xFAD; Mdx; P2A-3XFLAG; 3XFLAG; Syn1-
 CreERT2; 3xTg; 5xFAD; Villin-CreERT2; OT-I; OT-II; pdx1-
 Cre; Luc Locus; Iltg DTR Tg; Iltg DTR Tg; AFHmter; TgP
 Brat; Tg (TcraTb) Rag 1; GFAP tta; Rosa26-LSL-rTA-GeP
 Rosa-rTA, Rosa-LSL-Luc; Rosa LSL-LacZ; Rosa LSL YFP;
 Rosa-CreERT2, Zbtb16/16^{fl}, PD1 Locus, BRAFF-V606E/pA

Genes Deleted

Vg4 KO; Tard KO; PAPSS2 Flox; Msh2 Flox; CDX2 Flox; ATAD1 KO; CCL2/ARL null; BIRC6 KO., Sin3a Flox; Sin3b Flox; Ink4a/ARF null; Pten Flox; p53 Flox; Smad4 Flox.; HDAC2 Flox; Chd1 tm1a Flox; Chd1 tm1c Flox; Yap1 Flox; PtenERT2; CD8 KO; CD4 KO., BRAF V-600E; CDX2 flox; Lag3 KO; LSL-TERT-ERT; mTert KO; mTerc KO; IRS1 Flox; IRS2 Flox; EGFRviii Flox; P16 KO; BAF180 Flox; p19 KO; Kras KO; Apc Flox.

Biosafety Level :

Meeting Notes : In the amendment, they updated IACUC protocols by removing a registration.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	22	0	0	0
Investigator :			Pappanaicken R Kumar	
Document No. :			RM00002329-RN01_AM7	
NIH Guidelines Category :			III-D-1-a.	
Agents :				
Non Viral Systems				
Technical Name			Is Whole Animal Used as Host	
pT2SBSO			No	
SB11 transposases (SB11, SB100x, hSB81, hSB110)			No	
pX			No	
HDR			No	
pGEM4z			No	
pSBSO-FRA			No	
pHEN1 phagemid vector			No	
EGFR CAR			No	
CD19 Chimeric Antigen Receptors (CARs)			No	
Mesothelin CAR			No	
pCANTAB 5E phagemid			No	
TA vector			No	
pX459			No	
Dectin1-CARs (library of Dectin1-CARs generated in lab)			No	
pGEM			No	
pSBSO (from Univ. of Minn.)			No	
ROR1 CAR			No	
CRISPR/Cas9 plasmids			No	
CD123 CAR			No	
CD19CD8CD28 chimeric antigen receptor (CAR)			No	
CD56 CARs			No	
Viral Systems				
Virus System		Virus Administered to Animals		Backbones
Lenti Virus		No		LentiCas9-Blast, CRSPR/gRNA library GeCKO Human
Lentivirus		No		pLVN
Adenovirus		No		Ad5F35 vector
Lentivirus		No		pLVX
Lentivirus		No		pLV
retrovirus		No		pRetroQ
Cell Lines				
Cell Line			Cell Lines Administered to Animals in Vivo	
MOLM-13 -eGFP-FFluc expressed			Yes	
Human CAR NK cells			Yes	
human acute monocytic leukemia			Yes	
OCI-AML3-eGFP and ffluc			Yes	
Human CAR Macrophages			Yes	
mouse bone marrow stroma cells			Yes	
chronic myeloid leukemia cells			Yes	
leukemia			Yes	
Human acute lymphoblastic leukemia			Yes	
Kidney Cancer Cells			Yes	
B lymphocyte; EpsteinBarr virus transformed			Yes	
Human diffuse large B-cell lymphoma			Yes	
Human B acute lymphoblastic leukemia			Yes	
gamma delta T-cells			Yes	
Embryonic kidney epithelial cells			No	
Mouse Embryonic fibroblast (MEF)			Yes	
Mus musculus lymphoma			Yes	
LANOAN neuroblastoma cell			Yes	
Human T cells			Yes	
Human acute myeloid leukemia			Yes	
small cell lung cancer (SCLC) cell lines			Yes	
acute myeloid leukemia cells			Yes	
CD19 tumor cell lines			Yes	
human peripheral blood (commercial vendor; blood bank)			Yes	
Human NK ells			Yes	
Human erythroleukemia			Yes	
human CAR T cells			Yes	
Daudi			Yes	
Microbial Agents				
Name			Administered to Animals in Vivo	
Candida Spp. (C. glabrata, C. parapsilosis, C. tropicalis and C. krusei)			No	
E.Coli Top10			No	
Mucorales spp. (Rhizopus, Mucor)			No	
Aspergillus Spp. (A. fumigatus)			Yes	
F. solani			No	
rhizopus oryzae			Yes	
Lomentospora/scedosporium spp. (prolificans, inflatum)			No	

Microbial Agents				
Cryptococcus neoformans		Yes		
Candida Albicans		Yes		
Candida auris		Yes		
Biosafety Level :		BSL2		
Meeting Notes :		In this amendment, they added CAR NK cells and CAR macrophages for administration in animals.		
Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	22	0	0	0
Investigator :		Emily Keung		
Document No. :		RM00006821-RN00_AM16		
NIH Guidelines Category :		III-D-1-a.		
Agents :				
Non Viral Systems				
Technical Name		Is Whole Animal Used as Host		
pLenti		No		
pMD2.G		No		
pcDNA3		No		
pShuttle		No		
pEGFP		No		
pGIPZ		No		
pAdEasy		No		
pLKO		No		
psPAX2		No		
Viral Systems				
Virus System		Virus Administered to Animals	Backbones	
Lentivirus		No	pLKO, pGIPZ, pLenti-CMV, psPAX2, pMD2.G	
Adenovirus		No	pShuttle, pAdEasy	
Cell Lines				
Cell Line		Cell Lines Administered to Animals in Vivo		
PBMC/Buffy Coat		No		
Sarcoma cell lines		Yes		
Sarcoma cell line		Yes		
Macrophages		No		
Lymphocytes (T cells, B cells, NK cells)		No		
Sarcoma cell lines		Yes		
Dendritic cells		No		
SBKP (sarcoma)		Yes		
CCNE1 (sarcoma)		Yes		
MCA205 (sarcoma)		Yes		
HEK293T		No		
Microbial Agents				
Name		Administered to Animals in Vivo		
E. coli (k-12, DH5a, DH10B, Stbl2, Stbl3, Stbl4, MDS42RecA, BJ5183, Top10F')		No		
Biosafety Level :		BSL2		
Meeting Notes :		This amendment added several plasmids, viral vectors, and genes to their study. Experimental plan and ACUF were update accordingly.		
Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0
Investigator :		Jeffrey J Molldrem		
Document No. :		RM00007942-RN00_AM2		
NIH Guidelines Category :		III-D-1-a.		
Agents :				
Non Viral Systems				
Technical Name		Is Whole Animal Used as Host		
psPAX2		No		
pVSVG		No		
Viral Systems				
Virus System		Virus Administered to Animals	Backbones	
lentivirus - pLEX_305-N-dTAG-IRF2BP2		No	pLEX_305	
lentivirus - LT3GEPiR shRNA vector		No	pRRL	
lentivirus - pCDH-EF1s (parental and 12 derivatives)		No	pCDH-CMV-MCS	
lentivirus - SREP shRNA vector		No	pRRL	
lentivirus - LRG2.1 (3 derivatives)		No	LRG2.1	
lentivirus - pLentiRNAGuide_001 - hU6-RfxCas13d-DR1-BsmBI-EFS-Puro-WPRE		No	lentiCRISPRv2	
RETROVIRUS -pMIG-FLAG-MLL-AF9		No	pMIGL	
Cell Lines				
Cell Line		Cell Lines Administered to Animals in Vivo		
primary healthy donor PBMC		No		
Leukemia		Yes		
Primary AML patient cells		Yes		
kidney - 293T		No		
Murine primary leukemic cells		Yes		
Murine primary cells		Yes		
Human T cells		Yes		
Microbial Agents				
Name		Administered to Animals in Vivo		
E. coli DH5alpha		No		

Biosafety Level :
Meeting Notes :

BSL2
They added an IACUC protocol to the registration and updated agents to reflect use in animals in vivo.
This amendment changes the BSL2 designation of the initial submission reflecting work involving animals.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	22	0	0	0
Investigator :	Chibawanye Ene			
Document No. :	RM00006055-RN00_AM6			
NIH Guidelines Category :	III-D-4-b.			
Agents :				
Viral Systems				
Virus System	Virus Administered to Animals		Backbones	
Adenovirus	No		Ad5F35	
Avian Sarcoma-leukosis virus 9(ASLV)	No		RCAS	
Adenovirus	Yes		Delta-24RGD (Ad5), pAB26	
Lentivirus for cas9 and CRISPR knockdown library	No		pHA-N-DEST	
Lentivirus shRNA	No		pGFP-C-shLenti	
Lentivirus	No		Tet-PLKO-puro and pLenti-Neo	
Cell Lines				
Cell Line	Cell Lines Administered to Animals in Vivo			
Glioblastoma (GL261)	Yes			
Human cord blood	No			
Glioma Stem Cells	Yes			
D4M Melanoma cell line	Yes			
Hematopoetic stem cell derived macrophages	Yes			
DF-1 chicken fibroblast	Yes			
Epithelial Kidney Cells (HEK293T)	No			
Peripheral blood mononuclear cells	Yes			
Glioma Cell lines	Yes			
Induced pluripotent stem cell derived macrophages	Yes			
AdenoX293	No			
B16 Melanoma Cell Line	Yes			
Mouse Induced pluripotent stem cell derived macrophages	Yes			
Hematopoetic stem cells	Yes			
Microbial Agents				
Name	Administered to Animals in Vivo			
E.coli K12 (D5a and Top10)	No			
Biosafety Level :	BSL2			
Meeting Notes :	This amendment added an adenovirus vector-based virus to deliver mouse and human IL-12 to hematopoietic stem cell-derived macrophages.			

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	22	0	0	0
Investigator :	Wantong Yao			
Document No. :	RM00003651-RN01_AM2			
NIH Guidelines Category :	III-D-4-b.			
Agents :				
Non Viral Systems				
Technical Name	Is Whole Animal Used as Host			
pCDNA	No			
pGEX-	No			
pCMV-DTRcAI-Luc	No			
pEGFP-	No			
pCMV-DTRcAI-Red	No			
pnEA-vHis	No			
pCMV-GiP-DTR	No			
H2B-mCherry Plasmid	No			
Viral Systems				
Virus System	Virus Administered to Animals		Backbones	
adenovirus	Yes		ad-CMV	
Lentivirus	No		Backbones: pMD2.G, pspax2, pLenti 4, pLenti 6.3; pLenti 7.3, pTripz, pGipz, pLKO, pLentiCMV, pLKO.1;pHAGE; pRS116, pFUGW based; pCDH; pLentiV2	
Retrovirus	No		pBABE; MSCV; pMKO.1, pHIT60, VSV.g, pSUPER, pCLAmpho	
Lentivirus	Yes		pLenti 6	
Cell Lines				
Cell Line	Cell Lines Administered to Animals in Vivo			
human lung cancer A549 cell line	Yes			
human colon cancer HT29 cell line	Yes			
sarcoma	Yes			
Pancreatic cancer cell lines	Yes			
293 T helper cells	No			
Pancreatic cancer cell lines--PDX lines	Yes			
sarcoma	Yes			
human breast cancer cell line MDA-MB-231	Yes			
Microbial Agents				
Name	Administered to Animals in Vivo			
E. Coli [BL21, BL21star, BL-21 (A-1), HMS 174, Rosetta, and similar commercial strains]	No			
Biosafety Level :	BSL2			
Meeting Notes :	In the amendment, they updated IACUC protocols by adding a new registration.			

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	22	0	0	0
Investigator :			Kevin McBride	
Document No. :			RM00002307-RN01_AM4	
NIH Guidelines Category :			III-D-4-b.	
Agents :				
Viral Systems				
Virus System		Virus Administered to Animals		Backbones
Murine gammaherpesvirus		Yes		MHV68-BAC
Cell Lines				
Cell Line			Cell Lines Administered to Animals in Vivo	
NIH 3t3 fibroblast			No	
Vero kidney epithelium			No	
A20			No	
Hek 293			No	
NIH 3t12 fibroblast			No	
Microbial Agents				
Name			Administered to Animals in Vivo	
E.coli Dh5a, TOP10			No	
Biosafety Level :			BSL2	
Meeting Notes :			Updated IACUC protocol number due to renewal.	

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0
Investigator :			Wen Jiang	
Document No. :			RM00006090-RN00_AM13	
NIH Guidelines Category :			III-D-4-b.	
Agents :				
Non Viral Systems				
Technical Name			Is Whole Animal Used as Host	
Entry vector - pNC			No	
mRNA that transcribes the CAR gene			Yes	
mRNA that transcribes the a neoantigen peptide of cancer cell			Yes	
mRNA that transcribes the PIB (PU.1, IRF8, and BATF3) gene			Yes	
Viral Systems				
Virus System		Virus Administered to Animals		Backbones
Lentivirus		No		pLVX-EF1alpha, with helper plasmids VSV-G, psPAX2, pMDLg/pRRE, pMD2.G, pRSV-REV
Adeno-associated virus		Yes		pAAV
Lentivirus		Yes		pRRL with helper plasmids VSV-G, psPAX2, pMDLg/pRRE, pMD2.G, pRSV-REV
Lentivirus		No		pEF-I-GFP-GX with helper plasmids VSV-G, psPAX2, pMDLg/pRRE, pMD2.G, pRSV-REV
Adenovirus		No		pBR322
Cell Lines				
Cell Line			Cell Lines Administered to Animals in Vivo	
T cells			Yes	
Macrophages			Yes	
293T			No	
Brain tumor cells			Yes	
Breast cancer cell			Yes	
Peripheral blood mononuclear cell			No	
Macrophages			Yes	
Biosafety Level :			BSL2	
Meeting Notes :			Modifications to agents to include PIB-mRNA, lentiviral vector, and brain tumor cells. ACUF was modified accordingly.	

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0
Investigator :			Guocan Wang	
Document No. :			TA00002415-RN01_AM14	
NIH Guidelines Category :			III-F-8.	
Agents :				
Species	ACUF#	Genes Inserted		Genes Deleted
Mouse	00001713-RN03	Pb-Cre4, LSL-Luc, LSL-ERG, mTmG, EGFP, TMPRSS2-CreERT2, TRAMP, Upk2-Cre		Pten, Smad4, Yap1, p53, Rb1, Taz, Snf5,Kdm4a, Kdm4b,Kdm4c, Kdm4d, Arid1a, Chd7, Acod1
Biosafety Level :		BSL2		
Meeting Notes :		Updated the IACUC protocol to include an additional animal breeding location at the North Campus.		

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	22	0	0	0
Investigator :			Susan Bullman	
Document No. :			RM00007970-RN00_AM11	
NIH Guidelines Category :			III-D-1-a.	
Agents :				
Viral Systems				
Virus System		Virus Administered to Animals		Backbones
Lentivirus		No		psPAX2
Lentivirus		No		pMD2.G
Retroviral		No		pMP71

Technical Name	Is Whole Animal Used as Host
PcDNA-KLG3	No
SFG-KLG3-BBZ-P2A-C825	No

Viral Systems	Virus Administered to Animals	Backbones
Virus System		

Lentivirus	No	SFG
Retrovirus	No	SFG

genetically engineered murine T cells expressing CAR and/or anti-DOTAscFv

Meeting Notes :

Yes

Personnel changes only.

Meeting Notes :

RM00006108-RN00 AM4

RM00005849-RN00 AM67

Yuan Pan

No

Yes

[illegible]

Age Group	Should Take Action (%)	Should Not Take Action (%)
18-29	95	5
30-49	95	5
50-69	95	5
70+	95	5

[illegible]

Cell Lines

	No
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	No
	Yes
	Yes
	Yes
	No
	Yes
	Yes
	No
	Yes
	Yes
	No
	No
	Yes
	Yes
	No
	Yes
	No
	No
	Yes
	No
	Yes
	No
	Yes

Microbial Agents

Name	Administered to Animals in Vivo
	No
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0
Investigator :			Raghu Kalluri	
Document No. :			RM00000518-RN02_AM71	
NIH Guidelines Category :				
Agents :				

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
472997: pD2528-CMV-472997	No
pCMV/SB10	No
mouse Tgfb β 2 donor plasmid	No
PGC1a flag	No
Flag-P53/pRK5	No
pCMV4a-Flag-c-Myc	No
Perk WT	No
pD2528-CMV_QHD43416.1_C-trunc	No
GFP-p53	No
pCMV14-3X-Flag-SARS-CoV-2 S	No
pEGFP-AGO2	No
pcDNA3-RLUC-POLIOIRES-FLUC	No
α SMA-TK	No
mPlum-C1	No
pJKR-H-tetR	No
pD2529-CMV-ACE2_human	No
mouse Gpc1 donor plasmid	No
pPAmCherry1-C1	No
pCMV3-mFCGR2B-t1	No
pD2528-CMV-P.1 Spike Protein	No
nCov-1 nCov-2P-F3CH2S	No
pcDNA3-YFP	No
pCMV6-CD63-GFP	No
pcDNA3.3_mCherry	No
CMV T II Pet 28 Clone	No
tdTomato-C1	No
499328: pD2528-CMV-472997	No
pCMV3-mTNFSF9	No
pDsRed Express 1	No
pMetLuc-Mem Control	No
pFLAG CMV 6A Clones 1-5	No
pCI neo-hEST2-globin mRNA vector	No
pD2528-CMV:499328	No
pT2/Onc	No
pCMV6-Entry	No
pEGFP-n1-APP	No
MCX K11F1 PC BFT	No
pCAG-T7pol	No
pCMV3-untagged	No
PDGFRB-PDsRed	No
α SMA-RFP	No

Non Viral Systems

pFLAG CMV 6A Clone 1 (MD 010508)	No
MMTV-cFos-SV40	Yes
pCMV3-mCD80	No
pDESTmycDicer	No
Drosha WT	No
pRK5-EGFP-Tau P301L	No
a2 PD5 + CAR	No
Drosha-Mut	No
PCMV3-mCD40LG	No
pD2528-CMV_RBD-VSV-G_TM_Chimera	No
mEmerald-CD9-10	No
pDsRed 2-C1	No
CMV ON Col 18 IN PC SPORT 6.1	No
pSpCas9(BB)-2A-Puro (PX459)	No
GPC1	No
pCI neo-hEST2	No
L3L4_pD223_DTA	Yes
mEmerald-CD81-10	No
pRK5-EGFP-Tau E14	No
NG2-YFP	No
pCMV3-C-His_SARS-CoV-2 (2019-nCoV) Spike RBD Gene ORF cDNA clone expression plasmid	No
pMetR-SPecto	No
human GPC1 donor plasmid	No
pD2528-CMV_B.1.1.526	No
pcDNA3 GFP PTEN	No
pD2528-CMV-B.1.351 Spike protein	No
mouse Smad4 donor plasmid	No
pRK5-EGFP-Tau	No
CAN-Pet 2B Clones 1-4	No
pD2528-CMV-C.37 Spike Protein	No
pD2528-CMV-QHD43416.1_C-trunc_400492	No
TK-TQ 004	No
pcDNA3-CFP	No
NG2-TK	No
pVax1-hVEGF165	No
pCMV3-mCD2	No
pPalmitoyl-mTurquoise2	No
peBFT-Col 18 TSPN Clone 1	No
gRNA Smad4 mouse target #2 gene knockout plasmid	No
HSP-Cre-IRES	No
pCAS9-guide mouse CD274 donor plasmid	No
FSP 1 II S4P	No
pSpCas9(BB)-2A-GFP (PX458)	No
Oct4 KLF4 Sox2 c-Myc	No
mCherry-CD9-10	No
mouse Pdcd1lg2 donor plasmid	No
EBFP2-C1	No
pcDNA3.1-CMV-CFP;UBC-Cre25nt	No
pD2528-CMV-QHD43416.1	No
pQC membrane Tdtomato IX	No
Zeb1	No
pIRES2-EGFP-p53 WT	No
pD2528-CMV_RBD-TwinStrep-VSV-G_TM_Chimera	No
pCMV3-CD80	No
pD2529-CMV	No
GGT-SV40	No
pCep. PU	No
pD2528-CMV-B.1.1.526	No
Human GPC-1 overexpression plasmid	No
SARS-CoV-2 spike protein mRNA	Yes
pMetR-ACE2ecto	No
pD2528-CMV-IVT mRNA vector	No
FSP1-GFP	No
pcDNA3 LIC cloning vector	No
T7 PeIB His6	No
PresentER-SIINFEKL (GFP)	No
mCherry-CD81-10	No
PDGFRB-TK -TOPO 11	No
C2 CANSTATIN pc BFT midi	No
pBS18	No
pCMV/SB11	No
pD2528-CMV	No
mCherry-Tsg101	No
pCMV3-CD40LG	No
pT3-N90-beta-catenin	Yes
MtPT4-eGFP	Yes
SB100X in pCAG globin pA	Yes
pT3-EF1A-MYC-IRES-luc	Yes
Perk K618A	No
pD2528-CMV_QHD43416.1_C-trunc-VSV-G-tm	No
ACE2-mFc	No

Non Viral Systems

pCMVTag4-Dicer	No
pD2538-CMV-mVEGF	No
pCAG-mGFP	No
pRP[Exp]-Mouse Col1a2 promoter	No
pRP[Exp]-Stuffer>luciferase	No
pGL4.75[hRluc/CMV] Promoter	No
pGL4.24 [luc2P/minP]	No
pGL4 [luc2P/COLA1A/Hygro]	No
pLV[Exp]-Bsd-EF1A>{mTrp53[NM_011640.4]}*_R245W}	No
pGL3	No
pcDNA3-OVA	No
pcDNA3-SARS-CoV-2-RBD-8his	No
pD2528-CMV-B.1.617.2 Spike Protein	No
pCMV6-AC-mGFP	No
pEGFP-C1	No
pT/Caggs-NRASV12	Yes
pCMV/SB11	Yes
pT3-myr-AKT-HA	Yes
pCMV-Mark2-tGFP,	No
pCMV-Mark3-tGFP	No
pCMV3-C-His_SARS-CoV-2 (2019-nCoV) Nucleoprotein Gene ORF cDNA clone expression plasmid	No
pcBFT Col 18 NCL Clone D	No
pD2528-CMV_RBD-VSV-G_TM_Chimera	No
pcDNA	No
Cerulean-N1	No
PCD FL0X	No
pCMV3-C-GFPSpark-BACE1 cDNA ORF Clone	No
pD2528-CMV_QHD43416.1-VSV-G-tm	No
CANSTATIN Pet 2B	No
pD2529-CMV_ACE2_human_C-trunc-VSV-G-tm	No
mCherry-hALIX	No
pCMV NYC CRI (MIMI)	No
a2 PD5 (4825Y)	No
pRosa26-DEST	No

Viral Systems

Virus System	Virus Administered to Animals
Lentivirus	No
Lentivirus Particles	Yes
Baculovirus	No
Simian immunodeficiency virus (SIV)	No
Recombinant vesicular stomatitis virus	Yes
Lentivirus	No
Adenoassociated virus (AAV)	No
Adenovirus	Yes
Lentivirus	Yes
Recombinant vesicular stomatitis virus	Yes
Lentivirus	No
Retrovirus	No
Lentivirus	No
Lentivirus	Yes
Lentivirus	No
Adenovirus	Yes
Lentivirus	Yes

Backbones

pDual-ACE2, pCMV-VSV-G, psPAX2

CRISPR-Cas9-sgVHL, CRISPR-Cas9, pLenti CMV/TO SV 40 small + Large T (w612-1), pLenti-C-mGFP-P2A-Puro, LentiCas9-Blast Plasmid, pLKO.1-puro, CMV-Bsd-CFP

pCMV-Dest

pSIV3, pCMV-VSV-G, psPAX2, pCMV-Luc2-IRES-mCherry, pcDNA3-spike expression

pBS-N-ΦT, pVSV-ΔG-GFP, pVSV-ΔG-Luciferase, pBS-L-ΦT, pCAGGS-G, pcDNA-FLAG-VSVG, pBS-P-ΦT, pD2528-CMV-C.37 Spike Protein, pCMV14-3X-Flag-SARS-CoV-2 S, pD2528-CMV-B.1.617.2 Spike Protein, pD2528-CMV_QHD43416.1_C-trunc

Human CRISPR Knockout Pooled Library (GeCKO v2), Toronto KnockOut (TKO) CRISPR Library - Version 3

AAV9-mCldn5-o4-shRNA and AAV9-anti-luc-control-shRNA

Premade Adenovirus with ORF of claudin 5 (CLDN5), transcript variant 2 with C terminal Flag and His tag, AD-CMV-Luc, pAD-RFP

pLKO, pLenti, pTRIPZ, pSP-108, GFP-Luc, pcw-Cas9, pLVX-td Tomato-C1, psPAX2, MD2G, pLVX-TRE3G, CRISPR-Cas9, CRISPR-Cas9-sgVHL, Human shRNA GPC-1 shRNA construct #1-4, CMV-DsRed 3

pBS-N-ΦT, pVSV-ΔG-GFP, pVSV-ΔG-Luciferase, pBS-L-ΦT, pCAGGS-G, pCAGGS-G, pcDNA-FLAG-VSVG, pBS-P-ΦT, pcDNA3-SARS-CoV-2-RBD-8his, pD2528-CMV-B.1.351 Spike protein, pD2528-CMV_B.1.1.526, pD2528-CMV-P.1 Spike Protein, pD2528-CMV-QHD43416.1

CD19-CD28-CD3z-T2A-tEGFR, pHAGE PGK-GFP-IRES-LUC-W, tet-pLKO-puro shScramble, pCW57.1 shAgrin, pCW57.1 shScramble, pLVX puro CD63-GFP, TetO FUW OSKM, TetO-FUW-pgk-puro, pLV-hTERT-IRES-hygro, pLVX-Tight-Puro-KrasG12D2B, p-VSV-G, psPAX2

pBabe, pHIT60, pWZI, pLPC, pMSCV, pLNCX, pRS, pRFP-C-RS, pGFP-V-RS, pUMVC, pBabe-KrasG12D, pLNCX2Scrib, pLPC-scribP305L

pCT-CD63-GFP, CMV-hTERT, pLenti-P3A, pLenti-P3B, pLenti-P3C, pLenti-pHluorin_M153R-CD63, pLenti CMV Blast dest, F-Luc/mcherry, pHAGE-BRAF-V600E, PLX302 Luciferase-V5 puro

Trp53 donor plasmid, Negative Scramble, gRNA, Scramble Negative, E1a-EGFPcre; gRNA Pdcd1lg2, Tgfb2, Smad4, Gpc1, Gpc1(hu), CD274 target #1 gene knockout plasmid, gRNA Pdcd1lg2, Tgfb2, Smad4, Gpc1, Gpc1(hu), CD274 target #2 gene knockout plasmid

GIPZ Lentiviral shRNA Controls, GIPZ Human CD9 shRNA, GIPZ Human CD63 shRNA, GIPZ Human CD81 shRNA, (LV01) U6-gRNA:efla-puro-2A-Cas9-2A-tGFP

pAdEasy, Ad-Null, Ad-mCherry-Cre, Ad-GFP-2A-iCRE, Ad-DET1, Ad-CMV-FLPO

pCMV-VSV-G, pLentiCRISPRv2, LV/Cas9-Claudin2-sgRNA1.2, LV/Cas9-Claudin10-sgRNA1.2 EGFP gRN, lenti-CRISPR-Cas9-GFP vector, ITR-U6-sgRNA(Kras)-U6-sgRNA(p53)-U6-sgRNA(APC)-pEFS-rluc-2A-Cre-shortPA-KrasG12D_HDRdonor-ITR (AAV-KPL) vector

Viral Systems

Adenoassociated virus (AAV)	No	AAV control, AAV ATDC, AAV CEACAM, AAV CTSE, AAV KLK10 or AAV KTLLPTP
Lentivirus	No	pMD2.G, psPAX2, pRDA_550_CHRNA4gRNA, pRDA_550_SERPINB14gRNA, pRDA_550_FCGBPgRNA, pRDA_550_PCNAgRNA

Cell Lines**Cell Line**

Melanoma (mouse)
Fibroblasts (mouse)
Fibroblasts (human)
Colon Cancer (human)
Breast Cancer (human)
Possible COVID+/SARS-CoV-2 specimens (plasma, serum, stool, buffy coat, or urine)
Melanoma (human)
Breast Cancer (Mouse)
Brain Cancer (human)
Exosomes derived from cell lines containing spike protein mRNA
Prostate Cancer (mouse)
Colon Cancer (mouse)
Prostate Cancer (human)
Kidney Cancer (mouse)
Lung Cancer (human)
Pancreas Cancer (mouse)
Exosomes derived from cell lines transfected with SARS-CoV-2 proteins
293F
Brain Cancer (mouse)
Lung Cancer (mouse)
Bladder Cancer
Pancreas Cancer (human)
Kidney Cancer (human)
293T

Cell Lines Administered to Animals in Vivo

Yes
Yes
Yes
No
Yes
No
Yes
Yes
Yes
Yes
Yes
Yes
Yes
No
No
Yes
Yes
Yes
No
Yes
Yes
Yes
No

Microbial Agents**Name**

Helicobacter mesocricetorum
Bacteroides thetaiotaomicron
E.coli k-12
Biosafety Level :
Meeting Notes :

Administered to Animals in Vivo

Yes
Yes
No
BSL2
Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0
Investigator :	Gregory Friedman			
Document No. :	RM00006918-RN00_AM9			
NIH Guidelines Category :				
Agents :				

Viral Systems**Virus System**

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

Virus Administered to Animals

Yes
No
Yes
Yes
No
Yes

Backbones

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

Cell Lines**Cell Line**

[REDACTED]
[REDACTED]
[REDACTED]
Biosafety Level :
Meeting Notes :

Cell Lines Administered to Animals in Vivo

Yes
No
Yes
BSL2
Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0
Investigator :	Sattva S Neelapu			
Document No. :	RM00000070-RN02_AM7			
NIH Guidelines Category :				
Agents :				

Non Viral Systems**Technical Name**

[REDACTED]

Is Whole Animal Used as Host

No

Viral Systems**Virus System**

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

Virus Administered to Animals

No
No
No
No
No

Backbones

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

Cell Lines**Cell Line**

[REDACTED]

Cell Lines Administered to Animals in Vivo

Yes

Cell Lines

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

Yes
No
Yes
No
Yes
Yes
Yes

Microbial Agents

Name
[REDACTED]

Administered to Animals in Vivo
No
BSL2
Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0
Investigator :	Kevin McBride			
Document No. :	RM00002307-RN01_AM5			
NIH Guidelines Category :				
Agents :				

Viral Systems

Virus System
Murine gammaherpesvirus

Virus Administered to Animals
Yes

Backbones
MHV68-BAC

Cell Lines

Cell Line
A20
NIH 3t12 fibroblast
NIH 3t3 fibroblast
Vero kidney epithelium
Hek 293

Cell Lines Administered to Animals in Vivo
No
No
No
No
No

Microbial Agents

Name
E.coli Dh5a, TOP10
Biosafety Level :
Meeting Notes :

Administered to Animals in Vivo
No
BSL2
Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0
Investigator :	Wantong Yao			
Document No. :	RM00003651-RN01_AM3			
NIH Guidelines Category :				
Agents :				

Non Viral Systems

Technical Name
pCDNA
pGEX-
pCMV-DTRcAI-Luc
pEGFP-
pCMV-DTRcAI-Red
pnEA-vHis
pCMV-GIP-DTR
H2B-mCherry Plasmid

Is Whole Animal Used as Host
No
No
No
No
No
No
No
No

Viral Systems

Virus System
adenovirus
Lentivirus

Virus Administered to Animals
Yes
No

Backbones
ad-CMV
Backbones: pMD2.G, pspax2, pLenti 4, pLenti 6.3; pLenti 7.3, pTripz, pGipz, pLKO, pLentiCMV, pLKO.1;pHAGE; pRS116, pFUGW based; pCDH; pLentiV2
pBABE; MSCV; pMKO.1, pHIT60, VSV:g, pSUPER, pCLAmpho
pLenti 6

Retrovirus
Lentivirus

No
Yes

Cell Lines

Cell Line
sarcoma
Pancreatic cancer cell lines
293 T helper cells
Pancreatic cancer cell lines--PDX lines
sarcoma

Cell Lines Administered to Animals in Vivo
Yes
Yes
No
Yes
Yes

Microbial Agents

Name
E. Coli [BL21, BL21star, BL-21 (A-1), HMS 174, Rosetta, and similar commercial strains]
Biosafety Level :
Meeting Notes :

Administered to Animals in Vivo
No
BSL2
Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0
Investigator :	Yejing Ge			
Document No. :	RM00003492-RN01_AM3			
NIH Guidelines Category :				
Agents :				

Non Viral Systems

Technical Name

pcDNA3

pEGFP

Viral Systems

Virus System

Lentivirus

Lentivirus

lentivirus

Cell Lines

Cell Line

NCI-H2170 lung cancer cells

SW620 Colon

KATO III gastric carcinoma

NCI-H1944 lung cancer cells

A431 cSCC squamous cells

293T kidney cells

ESCC KYSE520 esophageal squamous cell carcinoma

HTB-9 5637 urinary bladder

HNSCC SCC4 squamous cells

T84 Colorectal

MK Primary keratinocytes

PDAC Panc 02.03 pancreatic cancer cells

SCC15 HNSCC squamous cells

ESCC TE10 esophageal squamous cell carcinoma

SCC13 cSCC squamous cells

SCC9 HNSCC squamous cells

PDAC AsPC-1 pancreatic cancer cells

Microbial Agents

Name

E.coli DH5a

Biosafety Level :

Meeting Notes :

Is Whole Animal Used as Host

No

No

Backbones

pGIPZ

pLKO

pLenti CRISPR V2

Cell Lines Administered to Animals in Vivo

Yes

Yes

Yes

Yes

Yes

No

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Administered to Animals in Vivo

No

BSL2

Personnel changes only.

Disposition

Approved

Votes For

22

Votes Against

0

Votes Abstain

0

Votes-Recuse

0

Investigator :

Document No. :

NIH Guidelines Category :

Agents :

Ronald A DePinho

[RM00000627-RN02_AM22](#)

Non Viral Systems

Technical Name

pMGL

pORF9

pUC Ori vector (PX330, PX260, PX334)

pBluescript KS(-), pBluescript II sk+

pENTR223

pTTQ18 (pAKTaq)

pTRE-Tight

pCMV, PCMV deltaR8.74, pCMV5, pCMV6

pCDNA, pCDNA3, pCDNA3.1

pCAG-pBase

pGL4

Viral Systems

Virus System

Lentivirus/packaging virus

Retrovirus

Adenovirus-associated virus

Lentivirus

Lentivirus

Lentivirus/ shRNA

Is Whole Animal Used as Host

No

No

No

No

No

No

No

No

No

No

No

Backbones

pRSV-Rev, pMD2.G, pMD-VSVG; pAX2

pBabe, pWZL, pMSCV, MSGV-1-1G4 backbone

rAAV-Syn-Tau-P301L

NY-ESO-1 TCR, pLenti, pTomo, pCCL-cppt-PGK-WPRE

pLV-CMV51-Halo-ARAF, R747-M61-663, pLenti, CRISPR/ Cas9,

pLentiCRISPRv2, SMARTvector

pLX304-V5, pHAGE-EF1a, pLKO, pLKO.1, pRDA_174, pRDA_550,

pLenti6.3,pLenti4,pLKO.3G,pHAGE, pLVX

Cell Lines

Cell Line

Prostate cell lines derived from metastatic sites (DU145, LNCAP, PC3, PC3M, VCAP)

Pancreatic cancer cell lines (iKPC, KPC)

Human endothelial cell lines

Embryonal kidney cell lines (293T, 293FT)

Fibroblast cell lines

Melanoma cell lines (M407, A375)

Colon cancer cell lines (iAP, iKAP)

Mouse Embryonic Stem Cells

Pancreatic cancer cell lines (BxPC-3, PK 59)

Prostate cancer cell lines (DX1, PPS, MSKPCa1, MSKPCa2, MSKPCa7)

APOE3- & APOE4-iPSC-derived neurons and astrocytes

Colon cancer cell lines (HT-29, SW-480)

Lung derived from metastatic sites (e.g., H2052, H2B)

Cell Lines Administered to Animals in Vivo

Yes

Yes

No

No

No

Yes

Yes

No

Yes

Yes

No

Yes

No

Microbial Agents

Name

Administered to Animals in Vivo

Meeting Notes :

Personnel changes only.

[illegible]

Cell Line

Response	Percentage
Yes, the U.S. should take action to address climate change	95%
No, the U.S. should not take action to address climate change	5%

Biosafety Level :
Meeting Notes :

Cell Lines Administered to Animals in Vivo

Yes
Yes
Yes
Yes
Yes
Yes
Yes
Yes
No
No
Yes
Yes
Yes
Yes
No
Yes
Yes
Yes
Yes
No
Yes
Yes
Yes
No
No
Yes
Yes
No
Yes
No
No
No
Yes
No
Yes

Administered to Animals in Vivo

No
BSL2
Personnel changes only.

Disposition

Votes For**Votes Against****Votes Abstain****Votes-Recuse**

Approved	22	0	0	0
Investigator :			Jo Ishizawa	
Document No. :			RM00002261-RN01_AM9	
NIH Guidelines Category :				
Agents :				
Viral Systems				
Virus System		Virus Administered to Animals		Backbones
lentivirus		No		pCDH
lentivirus		No		pLV
lentivirus		No		pINDUCER21
lentivirus		No		lenti CRISPR pXPR_001
lentivirus		No		psPAX2
lentivirus		No		pMD2.G
Lentivirus		No		lentiCRISPRv2, psPAX2, pMD2G
Lentivirus		No		lentiCas9-Blast, psPAX2, pMD2G
lentivirus		No		lentiGuide-Puro
lentivirus		No		pCD510
lentivirus		No		TRIPZ
lentivirus		No		pCD550A1
lentivirus		No		pGIPZ
lentivirus		No		pLKO
Cell Lines				
Cell Line			Cell Lines Administered to Animals in Vivo	
mesenchymal stem cells			No	
leukemia			Yes	
leukemia			No	
kidney (HEK293T)			No	
lymphoma			No	
Microbial Agents				
Name			Administered to Animals in Vivo	
E.coli Stbl3			No	
Biosafety Level :			BSL2	
Meeting Notes :			Personnel changes only.	

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0
Investigator :			Lawrence Kwong	
Document No. :			RM00002361-RN01_AM7	
NIH Guidelines Category :				
Agents :				
Non Viral Systems				
Technical Name			Is Whole Animal Used as Host	
pT3			Yes	
pX330			No	
pHIT60, pVSVG			No	
psPax2, pMD2.G			No	
Viral Systems				
Virus System		Virus Administered to Animals		Backbones
Lentivirus		No		pLenti6.3; pLKO.1; pHAGE; pLentiCrisprv2; pLIX-403; and other lentiviral vectors
Retrovirus		No		pBabe, pLENC
Cell Lines				
Cell Line			Cell Lines Administered to Animals in Vivo	
293T			No	
Melanoma			Yes	
Melanoma			Yes	
Melanoma			Yes	
Lung immortalized normal cells			Yes	
Melanoma			Yes	
Cholangiocarcinoma			Yes	
Bladder carcinoma			Yes	
Lung carcinoma			Yes	
Microbial Agents				
Name			Administered to Animals in Vivo	
e coli dh5a			No	
Biosafety Level :			BSL2	
Meeting Notes :			Personnel changes only.	

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0
Investigator :			Christopher Johnston	
Document No. :			RM00007966-RN00_AM3	
NIH Guidelines Category :				
Agents :				
Non Viral Systems				
Technical Name			Is Whole Animal Used as Host	
pUC19			No	
pBRESP36A			No	
pCasSA			No	
pHS30-N.B.CD40			No	

Non Viral Systems

pHS30-N.B.CD47	No
pBDL531	No
pWO	No
pVoPo-GFP	No
pVoPo-mCh	No
pHS30	No
pHS30-NB.PDL1	No
pHS30-NB.CTLA4	No
pHS30-Cas	No
pBDL532	No
pFnLux	No
pBDL533	No
pWO_SynMC	No
pBDL534	No
pEPSA5	No

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Colon cancer	No
Colon cancer	No

Microbial Agents

Name	Administered to Animals in Vivo
Escherichia coli DH5alpha	No
Escherichia coli Nissle 1917 (EcN)	No
Escherichia coli WM6026	No
Salmonella VNP20009	No
Escherichia coli BW25141	No
Escherichia coli Tuner DE3	No
Akkermansia muciniphila MDA JAX-AM001	No
Akkermansia muciniphila ATCC BAA-835	No
Fusobacterium strain SB010 pFnLux	No
Prevotella intermedia	No
Parvimonas micra	No
Escherichia coli	No
Fusobacterium	No
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0

Investigator : Sattva S Neelapu
Document No. : [RM00000070-RN02_AM6](#)
NIH Guidelines Category :
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
	No	
	No	
	No	
	No	

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
	Yes
	Yes
	No
	Yes
	No
	Yes
	Yes
	Yes

Microbial Agents

Name	Administered to Animals in Vivo
	No
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0

Investigator : Christopher J Logothetis
Document No. : [RM00007111-RN00_AM10](#)
NIH Guidelines Category :
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pCMV6-AC-GFP	No
pCMV6-Entry Vector	No

Non Viral Systems

pCRISPRa-Enhancer	No
pCas-Guide	No
pCas-Guide-GFP-CRISPRa	No
pCas-Guide-Puro-CRISPRa-Scramble	No

Viral Systems

Virus System

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pGIPZ
Lentivirus	No	pRRL
Lentivirus	No	pLKO-1.PURO
Lentivirus	No	psPAX2
Lentivirus	No	pMD2.G

Cell Lines

Cell Line

Cell Line	Cell Lines Administered to Animals in Vivo
Prostate Patient Derived Xenografts	Yes
Prostate Cancer Cell Lines	Yes
Embryonic Kidney Cell Line (Lenti X 293)	No
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0

Investigator : Luigi Perelli
Document No. : RM00008252-RN00_AM10
NIH Guidelines Category :
Agents :

Non Viral Systems

Technical Name

pCDNA	Is Whole Animal Used as Host
	No

Viral Systems

Virus System

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pSICO, pHAGE
Lentivirus	No	pMD2.G, psPAX2, LentiCRISPR-V2
Adeno-associated virus	Yes	pEMS2158

Cell Lines

Cell Line

Cell Line	Cell Lines Administered to Animals in Vivo
iPSC	Yes
NAMEC 8	Yes
4t1	Yes
4T07	Yes
D2A1	Yes
HMLER	Yes
293 T helper cells	No
Kidney cancer cells	No
Brain cancer cells	No

Microbial Agents

Name

E. Coli [BL21, BL21star, BL-21 (A-1), HMS 174, Rosetta, and similar commercial strains]	Administered to Animals in Vivo
	No
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0

Investigator : Lei Nie
Document No. : RM00006355-RN00_AM1
NIH Guidelines Category :
Agents :

Non Viral Systems

Technical Name

pGEX6p1	Is Whole Animal Used as Host
CRISPR/Cas9 KO	No
pGEX	No
pEGFP	No
pCDNA3-3myc-6His	No
HDR	No
pCMV-HA	No
pCDNA6/myc-His	No

Viral Systems

Virus System

Virus System	Virus Administered to Animals	Backbones
Retrovirus	No	pUMVC, MSCV-IRES-GFP, pMKO.1-GFP, pCMV-VSV-9, pCL-Eco, pCMV delta 8.2, pBABE-puro
Lentivirus	No	pLKO-1, pLentiCRISPRv2 puro.pCDH-CMV-mCherry-EF1-CopGFP-Puro, pCDH-CMV-MCS-EF1alpha-Puro, pCDH-EF1alpha-MCS-T2A-GFP, pCDH-CMV-MCS-2A-puro,

Cell Lines

Cell Line

Cell Line	Cell Lines Administered to Animals in Vivo
lymphoma cell line JeKo-1	Yes
kindney cancer cell line 293T	No
Primary lymphoma cells	Yes
Mantle cell lymphoma cell line MINO-1	Yes

lymphoma cell line Mino-R
lymphoma cell line JeKo-R

Yes

Yes

Name
E.coli DH5alpha
Biosafety Level :
Meeting Notes :

Personnel changes only.

Investigator :	Rafael Casellas
Document No. :	RM00006115-RN00_AM12
NIH Guidelines Category :	
Agents :	

Device Type	Percentage of Respondents
Smartphone	95%
Tablet	75%
Smartwatch	15%
Smart TV	5%

No
No
No
No
Yes

████████████████████
██
██
██

No
No
No
No

[REDACTED]
 [REDACTED]
 [REDACTED]
 [REDACTED]

Device Type	Percentage of Respondents
Smartphone	85%
Tablet	72%
Smartwatch	48%
Smart TV	35%
Smart Home Hub	28%
Smart Car	15%
Smart Thermostat	12%
Smart Light Bulbs	10%
Smart Doorbell	8%
Smart Lock	5%
Smart Mirror	3%
Smart Scale	2%

[illegible]

Name _____

Biosafety Level :
Meeting Notes :

Personnel changes only.

Investigator :	Yuan Pan
Document No. :	RM00005849-RN00_AM66
NIH Guidelines Category :	
Agents :	

No
No
No
No

Age Group	Percentage
18-24	~45%
25-34	~55%
35-44	~65%
45-54	~75%
55-64	~85%
65-74	~95%
75-84	~100%
85-94	~100%
95-104	~100%
105-114	~100%

No
No
Yes
No
Yes

Yes

Yes

Yes

Yes
Yes

Age Group	Percentage of Respondents
18-29	95%
30-49	90%
50-69	85%
70+	80%

[illegible]

Cell Line

[illegible]

Age Group	Should Take Action (%)	Should Not Take Action (%)
18-29	95	5
30-49	95	5
50-69	95	5
70+	95	5

Yes
Yes
Yes
Yes
Yes
Yes
Yes
Yes
Yes
No
No
Yes
Yes
Yes
Yes
No
Yes
Yes
Yes
Yes
No
Yes
Yes
Yes
No
Yes
Yes
No
No
No
Yes
No
Yes

Name

Biosafety Level :
Meeting Notes :

Approved	22
----------	----

Document No. :

NIH Guidelines Category :

Agents :

Virus System

Lentivirus
Lentivirus
Lentivirus

Cell Line

Prostate Cancer (PDX)
Prostate Cancer
Renal LVRCC7
Kidney
Mesenchymal Stem Cells
Endothelial cells
Kidney Cancer (PDX)
Osteoblasts
Kidney (Vsd9)
Kidney
Kidney (UM-RC-3)
Prostate Cancer

Biosafety Level :
Meeting Notes :

Approved 22

Document No. :

NIH Guidelines Category :

Agents :

No

BSL2

Personnel changes only.

0

Eleonora Dondossola

RM00005923-RN00 AM13

Virus Administered to Animals

Yes
No
No

Backbones

rLV.EF1.mCherry-9
PLV-10003-50 CMV-Firefly luciferase lentivirus (Puro)
rLV.EF1.ZsGreen1-9

Cell Lines Administered to Animals in Vivo

Yes
Yes
Yes
Yes
Yes
No
Yes
Yes
Yes
Yes
Yes
Yes

BSL2

Personnel changes only.

0

Emily Keung

RM00006821-RN00_AM17

Non Viral Systems

Technical Name

pLKO
pLenti
pMD2.G
pcDNA3
pShuttle
pEGFP
pGIPZ
pAdEasy
psPAX2

Is Whole Animal Used as Host

No
No
No
No
No
No
No
No
No

Viral Systems

Virus System

Lentivirus
Adenovirus

Virus Administered to Animals

No
No

Backbones

pLKO, pGIPZ, pLenti-CMV, psPAX2, pMD2.G
pShuttle, pAdEasy

Cell Lines

Cell Line

Sarcoma cell lines
Sarcoma cell line
SBKP (sarcoma)
CCNE1 (sarcoma)
MCA205 (sarcoma)
PBMC/Buffy Coat
HEK293T
Macrophages
Lymphocytes (T cells, B cells, NK cells)
Sarcoma cell lines
Dendritic cells

Cell Lines Administered to Animals in Vivo

Yes
Yes
Yes
Yes
Yes
No
No
No
No
Yes
No

Microbial Agents

Name

E. coli (k-12, DH5a, DH10B, Stbl2, Stbl3, Stbl4, MDS42RecA, BJ5183, Top10F')

Administered to Animals in Vivo

Biosafety Level :
Meeting Notes :

No
BSL2
Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0

Investigator :

Chibawanye Ene

Document No. :

[RM00006055-RN00_AM7](#)

NIH Guidelines Category :

Agents :

Viral Systems

Virus System

Lentivirus
Lentivirus for cas9 and CRISPR knockdown library
Adenovirus
Adenovirus
Lentivirus shRNA
Avian Sarcoma-leukosis virus 9(ASLV)

Virus Administered to Animals

No
No
No
Yes
No
No

Backbones

Tet-PLKO-puro and pLenti-Neo
pHA-N-DEST
Ad5F35
Delta-24RGD (Ad5), pAB26
pGFP-C-shLenti
RCAS

Cell Lines

Cell Line

Glioblastoma (GL261)
AdenoX293
D4M Melanoma cell line
Human cord blood
Mouse Induced pluripotent stem cell derived macrophages
B16 Melanoma Cell Line
Hematopoietic stem cell derived macrophages
Hematopoietic stem cells
Induced pluripotent stem cell derived macrophages
Glioma Cell lines
Peripheral blood mononuclear cells
Epithelial Kidney Cells (HEK293T)
DF-1 chicken fibroblast
Glioma Stem Cells

Cell Lines Administered to Animals in Vivo

Yes
No
Yes
No
Yes
Yes
Yes
Yes
Yes
Yes
Yes
No
Yes
Yes

Microbial Agents

Name

E.coli K12 (D5a and Top10)

Administered to Animals in Vivo

Biosafety Level :
Meeting Notes :

No
BSL2
Personnel changes only.

9. ANNUAL REVIEWS

22=yes; 0=no; 0-abstain; 0-recuse

Investigator :

Gunapala Shetty

Document No. :

[RM00006478-RN00_AR003](#)

Investigator :

Pappanaicken R Kumar

Document No. :

[RM00002329-RN01_AR003](#)

Investigator :

Han Xu

Document No. :

[RM00006569-RN00_AR003](#)

Investigator :

Van Karlyle Morris

Document No. :	RM00007411-RN00_AR002
Investigator :	Byron Lee
Document No. :	RM00006715-RN00_AR003
Investigator :	Kenneth Hu
Document No. :	RM00006633-RN00_AR003
Investigator :	Gunapala Shetty
Document No. :	RM00000288-RN02_AR004
Investigator :	Raghu Kalluri
Document No. :	TA00000769-RN02_AR004
Investigator :	Surena Matin
Document No. :	RM00008082-RN00_AR001
Investigator :	Min Gyu Lee
Document No. :	RM00000563-RN03_AR001
Investigator :	Humam N Kadara
Document No. :	RM00003627-RN01_AR002
Investigator :	Elias Joseph Jabbour
Document No. :	RM00008170-RN00_AR001
Investigator :	Rick Avery Finch
Document No. :	RM00005845-RN00_AR004
Investigator :	Rugang Zhang
Document No. :	RM00006731-RN00_AR003
Investigator :	Anjana Bhardwaj
Document No. :	RM00008250-RN00_AR001
Investigator :	Raghu Kalluri
Document No. :	RM00000518-RN02_AR004
Investigator :	Michael R Migden
Document No. :	RM00004584-RN01_AR001
Investigator :	Christopher J Logothetis
Document No. :	RM00003771-RN01_AR002
Investigator :	Swaminathan Iyer
Document No. :	RM00007379-RN00_AR002
Investigator :	Raghu Kalluri
Document No. :	TA00000770-RN02_AR004
Investigator :	Xiangsheng Zuo
Document No. :	TA00004526-RN01_AR001
Investigator :	Amir A Jazaeri
Document No. :	RM00006244-RN00_AR003
Investigator :	Anil K Sood
Document No. :	RM00000299-RN03_AR001
Investigator :	Joseph L Nates
Document No. :	RM00005864-RN00_AR004
Investigator :	Xiangsheng Zuo
Document No. :	RM00004527-RN01_AR001
Investigator :	Jian Hu
Document No. :	RM00000880-RN02_AR001
Investigator :	Jian Hu
Document No. :	TA00001019-RN02_AR001
Investigator :	Jason Westin
Document No. :	RM00006651-RN00_AR003
Investigator :	Abhishek Maiti
Document No. :	RM00008155-RN00_AR001
Investigator :	Michael Curran
Document No. :	RM00000102-RN02_AR001
Investigator :	Raghu Kalluri
Document No. :	TA00000771-RN02_AR004
Investigator :	Benjamin Schrank
Document No. :	RM00008251-RN00_AR001
Investigator :	Dejka Marida Araujo
Document No. :	RM00008152-RN00_AR001
Investigator :	Guang Peng
Document No. :	RM00000408-RN02_AR004
Investigator :	Ryan Park
Document No. :	RM00007779-RN00_AR001
Investigator :	Melissa de la Garza
Document No. :	RM00007611-RN00_AR001
Investigator :	Michael Green
Document No. :	RM00004751-RN00_AR004

Investigator :	Natividad Fuentes
Document No. :	RM00006547-RN00_AR003
Investigator :	Jeffrey J Molldrem
Document No. :	RM00005900-RN00_AR004
Investigator :	Jeffrey N Myers
Document No. :	RM00003877-RN01_AR002
Investigator :	Jae-II Park
Document No. :	RM00000581-RN02_AR002
Investigator :	Guillermo Garcia-Manero
Document No. :	RM00000478-RN02_AR002
Investigator :	Gunapala Shetty
Document No. :	RM00000236-RN03_AR001
Investigator :	Wendy Woodward
Document No. :	RM00006700-RN00_AR003
Investigator :	Sairah Ahmed
Document No. :	RM00007512-RN00_AR002
Investigator :	Kevin McBride
Document No. :	RM00002307-RN01_AR004
Investigator :	Yuan-Hung Lo
Document No. :	RM00006435-RN00_AR003
Investigator :	Sairah Ahmed
Document No. :	RM00007540-RN00_AR002

10. TERMINATIONS

22=yes; 0=no; 0-abstain; 0-recuse

Investigator :	Betty Kim
Document No. :	RM00006377-RN00
Investigator :	Edmund Scott Kopetz
Document No. :	RM00004925-RN00
Investigator :	Maria Morelli
Document No. :	RM00006482-RN00
Investigator :	Dan Zhao
Document No. :	RM00007130-RN00

11. OLD BUSINESS ITEMS

Item	Description	Presenter	Attachments
Enhanced BSL2 Practices (BSL2+) Designation		Brittany N. Kleb, M.S.; Assoc Dir, Institutional Compl, Institutional Compliance	

12. NEW BUSINESS ITEMS

There are no such business items for this meeting.

13. DISCUSSION ITEMS

There are no such business items for this meeting.

14. INFORMATIONAL ITEMS

Update	Description
Community Member Attendance	Manu Banadakoppa and Arlisa Edwards-Benford were absent from the meeting.

15. ADJOURNMENT