THE UNIVERSITY OF TEXAS
MD Anderson Cancer Center
Making Cancer History®

INSTITUTIONAL BIOSAFETY COMMITTEE MINUTES
Recombinant DNA(RM)
Meeting #269
Tuesday, October 14, 2025
Hybrid - In Person Location FCT3 1 and 8 - 1pm

Members Present
Kwong K Wong, Professor
Izabela Fokt, Assistant Professor
Marcos Roberto Estecio, Professor
Shilpa S. Dhar, Assistant Professor
Dina H Ray, Research Nurse Manager
Zahid H Siddik, Professor
Erica J Moore, Assistant Professor
Niki M. Zacharias Millward, Associate Professor
Hesham Amin, Professor
Guang Peng, Professor
Guocan Wang, Associate 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

Members Absent
Bisrat Godefay Debeb, Associate Professor
Tora D Ogunmakin, Assoc Dir, Ambulatory Nursing
Xiang-Yang Han, Professor
Chavaun H LeBlanc, Mgr, Environ Health & Safety
Hai T Tran, Associate Professor
Humam N Kadara, Professor
Vidya Gopalakrishnan, Associate 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
Joseph E Jacobs, Safety Specialist
Brittany N Kleb, Assoc Dir, Institutional Compl
Edith Plants Paris, Compliance Analyst
David A Imperial, Safety Specialist
Marivonne Rodriguez, Principal Safety Specialist
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, September 9, 2025	15	0	3	0

2. CONFLICT OF INTEREST RECUSAL

Attendee	Project	Comment
Vidya Gopalakrishnan	RM00001327-RN02	Dr. Gopalakrishnan is the PI of this renewal.

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	18	0	0	0

Investigator : Burton F Dickey
Document No. : TA00000704-RN03
NIH Guidelines Category : III-F-8.
Agents :

Species	ACUF#	Genes Inserted	Genes Deleted
Mouse	00001214-RN04		Syntaxin-3, Syntaxin-11, Syntaxin-19

Biosafety Level : BSL1
Meeting Notes : The PI will use transgenic animals to evaluate the mechanism of regulated exocytosis in mouse airway epithelium. The present registration addresses the targeting of three syntaxin genes. ACUF is current.

BSL 2: NEW PROTOCOLS

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	18	0	0	0

Investigator : Florencia McAllister
Document No. : RM00000874-RN02
NIH Guidelines Category : III-D-4-b.
Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
adenovirus	Yes	pAdEasy

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
HEK293	No

Room Numbers

Room No.	Description
S7.8228a	Radioisot or Biohaz Stor.
S1.8452	Animal Facilities
S1.8444	Animal Quarters Service
S1.8445	Animal Quarters Service

Biosafety Level : BSL2
Meeting Notes : The PI will use adenovirus-Cre to activate Kras mutation directly into the pancreas of transgenic mice of two genotypes. After validation of methods, mice will be treated with IL-17 neutralizing antibodies, and tumor tissue will be removed for immunofluorescence and flow cytometry assays. ACUF is current.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	18	0	0	0

Investigator : Ehab Y Hanna
Document No. : RM00003163-RN01
NIH Guidelines Category : III-D-3-a.
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pLKO.1	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	HuSH, pLenti
Retrovirus	No	pBABE

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Human cancer-associated fibroblasts	No
Mouse fibroblasts	No
Human sinonasal cancer cells	No

Microbial Agents

Name	Administered to Animals in Vivo
E. Coli: DH5alpha	No

Room Numbers

Room No.	Description
T5.3940	Tissue Culture Facility

BSL 2: NEW PROTOCOLS

Room Numbers

T5.3925 — Tissue Culture Facility

Biosafety Level : BSL2

Meeting Notes : This work is to study pathways associated with chemo resistance in sinonasal malignancies, mainly focused on genes related to the tumor microenvironment. They will infect sinonasal cancer cell lines, other head and neck cell lines and cancer associated fibroblasts with either retroviral or lentiviral expression constructs for genes of interest or modified version of those genes. The protocol does not include in vivo studies. IRB protocol is current.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	18	0	0	0

Investigator : Christopher Alvarez-Breckenridge

Document No. : RM00008353-RN00

NIH Guidelines Category : III-C-1.

Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
adenovirus	No	Adenovirus Type 5

Room Numbers

Room No.	Description
B1.4409B	Pharmacy

Biosafety Level : BSL2

Meeting Notes : The goal of this clinical research study is to find the recommended dose level and recommended number of injections of the study agent DNX-2401 that can be given to patients with metastatic melanoma that have intracranial and/or extracranial lesions. The agent is a replication competent oncolytic adenovirus developed at MD Anderson. The protocol should include the site of production of the agent, and based on the use of replication competent virus, whether enhanced safety measures should be in place (face shield, for example). The are pending items regarding IRB protocol.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	18	0	0	0

Investigator : Paul A Scheet

Document No. : RM00004731-RN01

NIH Guidelines Category : NA

Agents :

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
All blood cells	No

Room Numbers

Room No.	Description
S15.8228b	Tissue Culture Facility

Biosafety Level : BSL2

Meeting Notes : The goal of this protocol is to support the development of more accurate antibody testing assays beyond those currently available for COVID-19. Previously collected blood samples will be evaluated for the presence of COVID-19 antibodies and will also undergo genetic testing for known common genetic variants as well as whole-genome sequencing to enhance assay validation. Sample collection is no longer occurring for this research.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	18	0	0	0

Investigator : Yago Nieto

Document No. : RM00008414-RN00

NIH Guidelines Category : III-C-1.

Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Retrovirus [for CAR into NK]	No	pSFG4
Retrovirus [for UAPC]	No	pSFG (MMLV Retroviral)

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Myeloid cell line (UAPC)	No
Natural Killer (NK) cell	No

BSL 2: NEW PROTOCOLS

Cell Lines

PG13 packaging cell line	No
293T	No

Room Numbers

Room No.	Description
P14.2910	Diagnostic Service Laboratory
Z5.2040	Research/Non-Class Laboratory- Wet Lab
Z5.2038	Research/Non-Class Laboratory- Wet Lab
Z5.2042	Research/Non-Class Laboratory- Wet Lab

Biosafety Level : BSL2

Meeting Notes : The objective of the trial is to determine the safety, tolerability, maximum tolerated dose, and optimal cell dose of CD70 chimeric antigen receptor NK cells in patients, along with tumor response and symptom relief. Retrovirus production is commercially sourced, with the validated and qualified product sent directly to GMP manufacturing site for NK cell transduction. IRB approval is pending.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	18	0	0	0

Investigator : Guillermina Lozano

Document No. : RM00000164-RN03

NIH Guidelines Category : III-D-4-b.

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
CMV-Sensor-IRES-puro-Mitochondrial sensor	No
pCMV	No
pLG1	No
CMV-Sensor-IRES-puro-Mitochondrial cpVenus control	No
CMV-Sensor-IRES-puro-Nuclear sensor	No
pcDNA3	No
CMV-Sensor-IRES-puro-Cytoplasmic Sensor	No
pKOII	No
CMV-Sensor-IRES-puro-Cytoplasmic cpVenus control	No
CMV-Sensor-IRES-puro-Nuclear cpVenus control	No
pCALL2	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
retrovirus	No	pMSCV
Retrovirus	No	pBabe-Wnt11
lentivirus	No	pBABE
Retrovirus	No	pBabe
Lentivirus	No	pLKO.1-puro
Adenovirus	Yes	padenoX
Lentivirus	No	pLOC
Lentivirus	No	GecKov2
retrovirus	No	pWZL-Blast (similar to pBabe)
Lentivirus	Yes	pLenti-CRISPR V2
Lentivirus	No	pLV-EGFP-T2A:PURO-EF1A
Lentivirus	No	pGIPZ-puro

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
HMECs	No
breast cancer cell lines	No
293T helper cells	No
osteosarcoma cell lines	No
human immortalized fibroblast cell lines	No
liposarcoma cells (LPS)	Yes
murine tumor cell lines H76, H318-1, 222, 026-3	Yes
PDX - breast cancer	Yes
lung fibroblasts	No
lung cancer cell lines	No
mouse embryo fibroblasts	No
pancreatic cancer cell lines	No

BSL 2: NEW PROTOCOLS

Microbial Agents

Name	Administered to Animals in Vivo
E. coli k-12	No

Room Numbers

Room No.	Description
S1.8449	Animal Facilities
S15.8420	Research/Non-Class Laboratory- Wet Lab
S15.8416	Tissue Culture Facility
S15.8203	Freezer
SB.8217	Animal Quarters Service
S1.8448	Animal Facilities
S1.8453	Animal Facilities

Biosafety Level : BSL2

Meeting Notes : This protocol seeks to study p53 transcriptional activity in vitro and in vivo. Plasmids and viral vector systems are used. One adenovirus and a lentiviral system will be administered to mice. Human and mouse cell lines will be used, some of which will be injected in animals. ACUF is current. An IRB protocol was not provided with the registration and not necessary, as the cited PDXs in the study are sourced from a company.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	18	0	0	0

Investigator : Gautam Borthakur

Document No. : RM00004392-RN01

NIH Guidelines Category : III-C-1.

Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
NKG2D-ACR-mbIL15-γ-RV	No	Murine stem cell virus (MSCV) forms the backbone for NKG2D-ACR-mbIL15-γ-RV

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
NKX101, is a fourth generation activating chimeric receptor natural killer (ACR NK) cell therapy derived from healthy adult donors	No

Room Numbers

Room No.	Description
P14.2910	Diagnostic Service Laboratory

Biosafety Level : BSL2

Meeting Notes : This clinical study is a dose finding and dose expansion investigation of NKX101 in hematological malignancies. NK cells from healthy donors are modified using a viral system to generate the CART-NK agent expressing two recombinant genes. All manufacturing steps take place outside of MD Anderson. The PI will need to provide a new IRB registration as it has been terminated in early October 2025.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	18	0	0	0

Investigator : Lauren Averett Byers

Document No. : RM00008413-RN00

NIH Guidelines Category : III-D-3-a.

Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pLV-CALCA-eYFP
Lentivirus	No	pLenti-BB (pLV)
Lentivirus	No	LT3GEPIR
Lentivirus	No	LCv2puro
Lentivirus	No	CSII-U6-gRNA-CBh-3xFLAG-PA-dCas9-P2A-Puro
Lentivirus	No	pLT3GEPIR
Lentivirus	No	pLIX403
Lentivirus	No	pLP-hSOX2-ires-GFP
Lentivirus	No	pLVX-3xFLAG-PA-dCas9-P2A-Puro
Lentivirus	No	M11-sg
Lentivirus	No	pLenti-CMV
Lentivirus	No	Puro.Cre

BSL 2: NEW PROTOCOLS

Viral Systems

Lentivirus	No	pLenti-CMV-TurboGFP
Lentivirus	No	pLenti-EF1a
Lentivurus	No	pLV-CC10-mCherry
Lentivirus	No	TLCV2
Lentivirus	No	LRT2B
Lentivirus	No	LCV2-sg
Lentivirus	No	pGECIR
Lentivirus	No	LentiSAMPHv2
Lentivirus	No	pLM-CMV-R-Cre
Lentivirus	No	lentiSAMv2
Lentivirus	No	pLenti-TRE/iRFP
Lentivirus	No	pLV-P63-eCFP
Lentivirus	No	pLIX403
Lentivirus	No	pENTR223 APOBEC3B
Lentivirus	No	lentiMPH v2
Lentivirus	No	pLenti-TRE
Lentivirus	No	pLenti-FNLS
Lentivirus	No	LT3GEBIR
Lentivirus	No	pLenti-PGK
Lentivirus	No	T3G
Lentivirus	No	pLV-SPB-tdTomato
Lentivirus	No	Lenti-U6-sg
Lentivirus	No	pRosetta
Lentivirus	No	SGEP-sh
Lentivirus	No	tetO-ASCL1-puro
Lentivirus	No	pMDLg/pRRE
Lentivirus	No	pLX304
Lentivirus	No	pLJM1-EGFP-BarcodeV1
Lentivirus	No	pLenti-CMV-mCherry
Lentivirus	No	pMD2.G
Lentivirus	No	LT3GEHIR
Lentivirus	No	lentiCRISPR v2
Lentivirus	No	phASCL1-N106
Lentivirus	No	UBCpro
Lentivirus	No	pSPAX2
Lentivirus	No	LT3DEPIR
Lentivirus	No	pLentiCas9-Blast
Lentivirus	No	Cre-IRES-PuroR
Lentivirus	No	lenti sgRNA(MS2)_zeo
Lentivirus	No	pLenti-5HRE
Lentivirus	No	pMG2.G
Lentivirus	No	pLenti-sg/iRFP
Lentivirus	No	pLenti- V6.3 Ultra
Lentivirus	No	pLenti-sg
Lentivirus	No	pRSV-Rev

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
HEK293T	No
Lung cancer	No
Lung cancer	No

Room Numbers

Room No.	Description
T8.3805B	Tissue Culture Facility

Biosafety Level : BSL2

Meeting Notes : In this protocol, the PI plans to use lentivirus to overexpress or knock out specific genes in human and mouse lung cancer cell lines to study lung cancer. No animal work is planned.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	18	0	0	0

Investigator : Sairah Ahmed

Document No. : RM00008447-RN00

NIH Guidelines Category : III-C-1.

BSL 2: NEW PROTOCOLS

Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
lentivirus	No	Human immunodeficiency virus type 1

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Autologous T cells	No

Room Numbers

Room No.	Description
R8.2400	Public Corridor
P14.2910	Diagnostic Service Laboratory
G15.3433	Patient Bedroom

Biosafety Level : BSL2

Meeting Notes : The primary objective of this Phase 2 clinical study is to evaluate the efficacy of the CAR-T therapy based on overall response rate in participants with diverse types of lymphoma. Key secondary objectives are additional efficacy parameters and safety. JNJ-90014496 will be manufactured at the sponsor site from autologous T cells. IRB registration is pending approval.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	18	0	0	0

Investigator : Lynn El Haddad

Document No. : RM00008420-RN00

NIH Guidelines Category : NA

Agents :

Microbial Agents

Name	Administered to Animals in Vivo
Vancomycin-resistant Enterococci	Yes
Bacteriophage	Yes

Room Numbers

Room No.	Description
SB.8213	Animal Facilities
Z9.2040	Research/Non-Class Laboratory- Wet Lab
Z9.2044	Freezer
Z9.2033	Tissue Culture Facility

Biosafety Level : BSL2

Meeting Notes : The goal of proposed research is to investigate the interactions between phages, the gut bacterial microbiome, and host responses in vancomycin-resistant enterococci-colonized mouse. RG1 And RG2 microbial agents will be used in vivo via oral administration. The protocol does not include gene editing. An amendment to change the IACUC PI is under review.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	18	0	0	0

Investigator : Michael A Davies

Document No. : RM00000091-RN03

NIH Guidelines Category : III-D-1-a.

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pGFP	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pHAGE, pLKO.1

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
A375-Melanoma	Yes
Melanoma - WM4257	Yes
melanoma - WM3960	Yes
HEK293 human embryonic kidney cell	No

Microbial Agents

Name	Administered to Animals in Vivo
E.coli DH5alpha	No

BSL 2: NEW PROTOCOLS

Room Numbers

Room No.	Description
PPB1.646	Animal Facilities
LSP12.2113	Tissue Culture Facility
LSP12.2116	Flex Wet Lab

Biosafety Level : BSL2

Meeting Notes : The goal of proposed research is to investigate the effects of PTEN loss on the molecular biology and behavior of human melanoma cells in vitro and in vivo. Replicative incompetent lentiviral vectors will be used for in vitro studies with genes. Human non-primary melanoma cell lines from commercial and collaborators were added for both in vivo and in vitro studies using genes. ACUF is current.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	18	0	0	0

Investigator : Katy Rezvani

Document No. : RM00008394-RN00

NIH Guidelines Category : III-D-1-a.

Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
retrovirus [RD114 env]	No	pUC19 [pRD114]
retrovirus [pMSCV-U6sgRNA library-PGKpuro2ABFP]	No	MSCV
retrovirus [pMSCV-dSaCas9-KRAB-T2A-Thy1.1]	No	MSCV
retrovirus [gag/pol]	No	pUC19 [pEQ-PAM-3(-e)]
retrovirus [pMSCV-dSaCas9-VP64-T2A-Thy1.1]	No	MSCV
Retrovirus	No	pSFG4 (Moloney murine leukemia virus MMLV)

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
human embryonic kidney [HEK] 293T	No
Natural Killer (NK) cells	Yes
Myeloid Cell Line UAPC	No
OVCAR5	No
SKOV3	No

Microbial Agents

Name	Administered to Animals in Vivo
DH5alpha E coli k-12 strain	No

Room Numbers

Room No.	Description
Z5.2031B	Tissue Culture Facility
Z5.2025A	Research/Non-Class Laboratory
Z5.2030	Research/Non-Class Laboratory- Wet Lab
Z5.2028	Research/Non-Class Laboratory- Wet Lab
Z5.2025C	Research/Non-Class Laboratory- Wet Lab
Z5.2031A	Tissue Culture Facility
Z5.2023	Tissue Culture Facility
Z5.2035	Tissue Culture Facility
Z5.2025	Equipment Space
Z5.2038	Research/Non-Class Laboratory- Wet Lab
Z5.2042	Research/Non-Class Laboratory- Wet Lab
P14.3063	Diagnostic Service Laboratory
Z5.2037C	LN2 Storage
Z5.2032	Research/Non-Class Laboratory- Wet Lab
S1.8239	Animal Facilities
Z5.2036	Research/Non-Class Laboratory- Wet Lab
Z5.2037	Equipment Space
Z5.2033	Tissue Culture Facility
Z5.2029	Cold Room/Walk-in
Z5.2031	Equipment Space
Z5.2037B	Flex Wet Lab
Z5.2027	Chemical Fume Hood Room
Z5.2041	Cold Room/Walk-in
Z5.2025B	Research/Non-Class Laboratory- Wet Lab

BSL 2: NEW PROTOCOLS

Room Numbers

Z5.2039	Chemical Fume Hood Room
Z5.2034	Research/Non-Class Laboratory- Wet Lab
Biosafety Level :	BSL2
Meeting Notes :	The PI plans to study CAR-NK cell therapies in mouse models that will support a phase I/II clinical trial of iC9/CAR5-28ζ/IL-15 NK cells in patients with R/R T cell malignancies. In this study, the PI and her team will (1) trace the fate (homing) of CAR-NK cells after adoptive transfer, and (2) use genome-wide CRISPR KO screens to identify key regulators of the agent's function. Retrovirus will be used to modify NK cells. ACUF and IRB protocols are current.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	18	0	0	0

Investigator :	Vidya Gopalakrishnan
Document No. :	RM00001327-RN02
NIH Guidelines Category :	III-D-1-a.
Agents :	

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pGIPZ

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
293T cell (embryonic kidney of Homo sapiens)	No
Brain Cancer	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E.coli dh5 alpha	No

Room Numbers

Room No.	Description
PPB1.437	Animal Facilities
MOD1.013a	Tissue Culture Facility
Biosafety Level :	BSL2
Meeting Notes :	The overall aim of the project is to evaluate the effects of knockdown of KDM1A gene, also known as LSD1, in brain cancer cell lines. Lentiviral vectors will be used in vitro. Modified lines will be administered to animals in vivo. ACUF is current.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	18	0	0	0

Investigator :	Burton F Dickey
Document No. :	RM00000087-RN03
NIH Guidelines Category :	III-D-1-a.
Agents :	

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pEGFP (Venus, Cerulean)-CCSP-Munc18b	No
pEGFP (Venus, Cerulean)-CCSP-Munc18a	No

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Human Airway Epithelial Cells	No
Calu-3 (mucus secreting)	No

Microbial Agents

Name	Administered to Animals in Vivo
Rhizopus oryzae	Yes
Burkholderia Cepaciae	Yes
Pneumocystis carinii	Yes
Aspergillus fumigatus	Yes
Staphylococcus aureus	Yes
Streptococcus pneumoniae	Yes
Candida albicans	Yes
Klebsiella pneumoniae	Yes
Pneumocystis murina	Yes
Pseudomonas aeruginosa	Yes

BSL 2: NEW PROTOCOLS

Room Numbers

Room No.	Description
Z9.4024	Research/Non-Class Laboratory- Wet Lab
S1.8004	Loading Dock
S1.8428	Animal Quarters Service
Z9.4019	Tissue Culture Facility
Z9.4022	Research/Non-Class Laboratory- Wet Lab

Biosafety Level : BSL2

Meeting Notes : The protocol addresses the generation of plasmids carrying genes of interest in their study of exocytosis, which the PI and his group utilize for the generation of knockout mice and to transfect cells in culture. In addition, the protocol also addresses the administration of RG2 microbial agents to animals by inhalation, for their set of experiments probing innate immunity stimulation. IACUC protocol is current.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	18	0	0	0

Investigator : Michael Wotman

Document No. : RM00008399-RN00

NIH Guidelines Category : III-C-1.

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
EVM14	No

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Head & Neck Tumor tissue	No

Room Numbers

Room No.	Description
P3.3027	Patient Bedroom
B1.4392	Multi person office
R2.1740	Public Corridor

Biosafety Level : BSL2

Meeting Notes : This protocol is a Phase I/IIa clinical trial to evaluate the safety and efficacy of EVM14, a preservative-free, sterile mRNA-lipid nanoparticle cancer vaccine recognizing various tumor antigens, as a single agent and in combination with pembrolizumab in patients with squamous cancers. IRB protocol is pending approval and the version under review only covers Phase I of the trial.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	18	0	0	0

Investigator : Sadhan Majumder

Document No. : RM00001132-RN02

NIH Guidelines Category : III-D-4-b.

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pRCAS	No
pCMV-NeuroD2	No
pECFP	No
pCAG-HA-Sox2	No
Polyjet DNA in vitro transfection reagent	No
pEGFP	No
pBig2r	No
pYAP6	No
exosome	Yes
pERV3	No
pMXs-hc-Myc	No
pcDNA3.1	No
pGL4.82	No
pRest	No
pNurr1	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones

BSL 2: NEW PROTOCOLS

Viral Systems

Lentivirus	Yes	lentiviral (pGIPz, pReceiver-Lv105, and pEZX-MR03 vector) backbone provided by the commercial company
Adeno Associated Virus	Yes	WPRE2-SpA

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Mesenchymal stem cells	No
glioblastoma stem cells	Yes
Rat dorsal root ganglion cells	No
mesenchymal stem cells	No
Normal Neural Stem Cells	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E. coli k-12, E. coli DH5a	No

Room Numbers

Room No.	Description
SB.8277	Animal Facilities
SB.8237	Animal Facilities
S13.8416	Tissue Culture Facility
S13.8420	Research/Non-Class Laboratory- Wet Lab
S13.8418a	Non_Class Lab Service

Biosafety Level : BSL2

Meeting Notes : The goal of the protocol is to study the role of the transcriptional repressor REST in normal development and disease. The experimental plan includes using recombinant DNA methods to subclone mammalian cDNAs to use in differential screening to identify genes involved in development and disease. Commercially available lentiviruses, adeno-associated viruses, or exosomes carrying Rest or other cDNA of interest or microRNAs/long non-coding RNAs will also be used to transfer genetic material into cultured cells or injected into mice. In vivo use of lentivirus needs to be added to ACUFs.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	18	0	0	0

Investigator : Maria Morelli

Document No. : RM00008411-RN00

NIH Guidelines Category : III-C-1.

Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Retrovirus	No	[redacted]

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Myeloid cell line (UAPC)	No
Natural Killer (NK) cell	No

Room Numbers

Room No.	Description
P14.2910	Diagnostic Service Laboratory
Z5.2042	Research/Non-Class Laboratory- Wet Lab
R2.2346	Pharmacy
R10.1878B	Pharmacy
Z5.2040	Research/Non-Class Laboratory- Wet Lab
Z5.2038	Research/Non-Class Laboratory- Wet Lab
R1.1007	Healthcare Treatment/Examination
P14.3063	Diagnostic Service Laboratory
ACB8.2046	Chemo IV Prep Room (Pharmacy)
P14.3059	Diagnostic Service Laboratory
B1.4409B	Pharmacy

Biosafety Level : BSL2

Meeting Notes : The goal of this Phase I/II protocol is to evaluate the safety, tolerability, and efficacy of [redacted] cells in combination with Belzutifan in patients with pancreatic cancer. The [redacted] are generated through [redacted] transduction of [redacted] with a [redacted] construct. Lymphodepleting chemotherapy and Belzutifan, administered before the [redacted] infusion, will be

BSL 2: NEW PROTOCOLS

performed on an outpatient basis. Post study treatment assessments will be performed in the GI Medical Oncology Clinical. Among other contingencies, the research group needs to clarify which steps of [redacted] production will take place at MD Anderson versus provided by an external source.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	18	0	0	0

Investigator : Krina Patel
Document No. : RM00008402-RN00
NIH Guidelines Category : III-C-1.
Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
[redacted]	No	[redacted]

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
[redacted]	No
[redacted]	No

Room Numbers

Room No.	Description
P14.2910	Diagnostic Service Laboratory
G15.3433	Patient Bedroom
R8.2400	Public Corridor
P14.3140	Diagnostic Support Laboratory Service

Biosafety Level : BSL2
Meeting Notes : This clinical study is designed to assess the safety, tolerability, and efficacy of [redacted] in adult participants with multiple myeloma. [redacted] is [redacted] engineered to express a dual Chimeric Antigen Receptor targeting both [redacted] and [redacted]. The agent is manufactured at the sponsor's site (AstraZeneca Pharmaceuticals). IRB review is pending.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	18	0	0	0

Investigator : Nitin Jain
Document No. : RM00008339-RN00
NIH Guidelines Category : III-C-1.
Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
retrovirus	No	VSV-G, GagPol, Rev and transgene vector, the transgene vector backbone is derived from MSCV.

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
allogenic CAR T cell	No

Room Numbers

Room No.	Description
P14.2910	Diagnostic Service Laboratory

Biosafety Level : BSL2
Meeting Notes : The goal of this clinical protocol is to assess the safety profile and efficacy of CTD402 in participants with relapsed/refractory leukemia. CTD402 is a CD7-targeting UCAR T-cell therapy in which CAR-T cells have been genetically engineered to enhance their efficacy and persistence, in part by mitigating GvHD The drug product is manufactured outside of MD Anderson. IRB approval is pending.

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	18	0	0	0

Investigator : Gohar Manzar
Document No. : RM00007994-RN00_AM1
NIH Guidelines Category : III-D-1-a.

Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Retrovirus	No	pSFG (MMLV retroviral)

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
CAL27 [Head and neck squamous cell carcinoma cell line]	Yes
CAL27-GFPLuc [Head and neck squamous cell carcinoma cell line]	Yes
BCX [human breast cancer]	Yes
SCC47 [Head and neck squamous cell carcinoma cell line]	Yes
SCC25 [renal cell carcinoma negative control]	Yes
D562 [renal cell carcinoma negative control]	Yes
OS17 [human osteosarcoma]	Yes
PATC148 [human pancreatic cancer]	Yes
OVCAR5 [human ovarian cancer]	Yes
786-O [human renal cell carcinoma]	Yes
SF8628 [diffuse intrinsic pontine glioma cell line]	Yes
DIPG36 [diffuse intrinsic pontine glioma cell line]	Yes
UMRC3 [renal cell carcinoma negative control]	Yes
FaDu [Head and neck squamous cell carcinoma cell line]	Yes
OQ01 [Head and neck squamous cell carcinoma cell line]	Yes
Human Embryonic Kidney cell line (293T)	No
Natural Killer (NK) cell	Yes
WIDR [human renal cell carcinoma]	Yes
RPMI2650 [Head and neck squamous cell carcinoma cell line]	Yes

Biosafety Level : BSL2

Meeting Notes : Fourteen new cell lines were added in the amendment, and these cell lines will be tagged with GFP, mCherry-Luc, luciferase and IL-15 for in vivo experiments. Animal protocol was updated to reflect the use of new cell lines.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	18	0	0	0

Investigator : Yuan Pan

Document No. : RM00005849-RN00_AM55

NIH Guidelines Category : III-D-4-b.

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
[redacted]	No
[redacted]	No
[redacted]	No
[redacted]	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
[redacted]	Yes	[redacted]
[redacted]	Yes	[redacted]
[redacted]	Yes	[redacted]
[redacted]	Yes	[redacted]
[redacted]	Yes	[redacted]
[redacted]	Yes	[redacted]
[redacted]	No	[redacted]
[redacted]	Yes	[redacted]
[redacted]	Yes	[redacted]
[redacted]	Yes	[redacted]
[redacted]	No	[redacted]
[redacted]	Yes	[redacted]
[redacted]	Yes	[redacted]

Viral Systems

Viral Systems

[redacted]	Yes	[redacted]
[redacted]	No	[redacted]
[redacted]	No	[redacted]
[redacted]	No	[redacted]
[redacted]	Yes	[redacted]
[redacted]	Yes	[redacted]

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
[redacted]	Yes
[redacted]	No
[redacted]	Yes
[redacted]	No
[redacted]	Yes
[redacted]	Yes
[redacted]	Yes
[redacted]	Yes
[redacted]	Yes
[redacted]	No
[redacted]	Yes
[redacted]	Yes
[redacted]	Yes
[redacted]	Yes
[redacted]	Yes
[redacted]	No
[redacted]	Yes
[redacted]	No
[redacted]	Yes
[redacted]	No
[redacted]	No
[redacted]	No
[redacted]	Yes
[redacted]	No
[redacted]	No
[redacted]	No
[redacted]	Yes
[redacted]	Yes
[redacted]	Yes
[redacted]	Yes
[redacted]	No
[redacted]	No
[redacted]	No
[redacted]	Yes
[redacted]	Yes

Microbial Agents

Name	Administered to Animals in Vivo
[redacted]	No
Biosafety Level :	BSL2
Meeting Notes :	This amendment added a new cell line to the registration.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	18	0	0	0

Investigator : Charles Ishak

Document No. : RM00006794-RN00_AM8

NIH Guidelines Category : III-D-1-a.

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pRnc	No

Non Viral Systems

pGEX-4T1	No
pCMV-Luciferase-RFP-TK	No
eGFP	No
pET28sumo	No
pGEX-6P-1	No
pBR322	No
pcDNA3	No
pET50	No
pK19pA-MN	No
p3X-FLAG-CMV-10	No
3XFlag-pA	No
pTXB1-Tn5	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pBLIV
Lentivirus	No	pLCKO2
Lentivirus	No	pLenti6.2
Lentivirus	No	pTRIP-SFFV
Lentivirus	No	lentiCRISPRv2 backbone

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Fallopian tube secretory epithelial cells	No
HEK293	No
Murine ovarian epithelial cells (ID8)	Yes
Murine oviductal epithelial cells (OVE)	Yes
murine ovarian cancer cell line (BPPNM)	Yes
murine ovarian cancer cell line (KPCA)	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E. coli K12 JM101	No
E. coli BL21 DE3	No
E.coli DH5a	No

Biosafety Level : BSL2

Meeting Notes : This amendment udpated biosafety location at 4SCR4.1171 with two biosafety hoods.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	18	0	0	0

Investigator : Kristen Pauken

Document No. : TA00006318-RN00_AM17

NIH Guidelines Category : III-F-8.

Agents :

Species	ACUF#	Genes Inserted	Genes Deleted
Mouse	00002403-RN00	Kitl	
Mouse	00002324-RN01	E8i-cre GFP	Pdcd1
Mouse	00002403-RN00		Ctla4, Pdcd1
Mouse	00002324-RN01	Foxp3-GFP, UBC-CreERT2, Ptprc	Pdcd1

Biosafety Level : BSL1

Meeting Notes : This amendment updated the ACUF protocol after renewal and the cells lines in the registration.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	18	0	0	0

Investigator : Jennifer Wargo

Document No. : RM00002193-RN01_AM18

NIH Guidelines Category : NA

Agents :

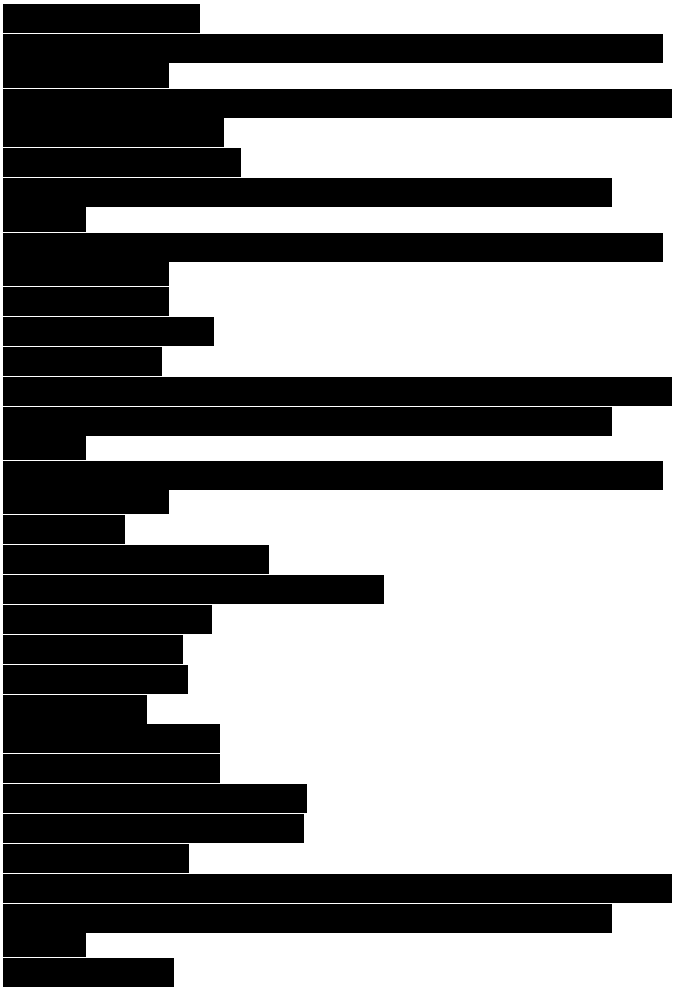
Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
[redacted]	Yes
[redacted]	Yes

Microbial Agents

Name	Administered to Animals in Vivo

Microbial Agents



	Yes
	Yes
	Yes

Biosafety Level : BSL2

Meeting Notes : ACUF protocol number was updated.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	18	0	0	0

Investigator : Rama Soundararajan

Document No. : RM00006203-RN00_AM1

NIH Guidelines Category : III-D-4-b.

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pDONR223 (pDONR223-FOXC2(DA)	No
pMIR-Target (Cited2 3'UTR)	No
pDONR223 (pDONR223-FOXC2(WT)	No
pMIR-Target (Foxc2 3'UTR)	No
pCDNA (pcDNA-MYC-FOXC2)	No
pMIR-Target (empty)	No
pDONR223 (pDONR223-FOXC2(DN)	No
pCDNA (pCDNA-HIS-GSK3Beta)	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pHAGE-E-Cadherin-RFP, pHAGE-E-Cadherin-GFP
Lentivirus	No	pCMV-VSVG
Lentivirus	No	GIPZ (V2LHS_71048)
Lentivirus	No	pGIPZ (shOLFML3)
Retrovirus	No	pMig (Ras)
Lentivirus	No	pHAGE-EFA1-IRES-eGFP (S125E)
Retrovirus	No	pBabe (miR-143)
Retrovirus	No	pBabe (miR-107)
Retrovirus	No	pBabe (miR-200c)
Lentivirus	No	pINDMIR34 (pIRSUE shFF3)
lentivirus	No	PF4 sgRNA CRISPR/Cas9 All-in-one lentivector set [pLenti-U6-sgRNA-SFFV-Cas9-2A-Puro]
Lentivirus	No	pEZX (anti-miR-203)
Lentivirus	No	pHAGE-EFA1-IRES-eGFP (T247A)
Retrovirus	No	pWzl (RFP)
Retrovirus	No	pBabe (miR-874)
Lentivirus	No	pGIPZ shGrem1 3(TATCTCCCGCCTTGAAATG)
Retrovirus	No	pWzl (Snail)
Lentivirus	No	GIPZ (human GLS2 shRNA)
Lentivirus	No	pGIPZ shGrem1 2 (TTATCAATCAAGTTAGTGG)
Retrovirus	No	pMX (pMX-BSTA(WT)
Retrovirus	No	pBabe (miR-584)
Retrovirus	No	pBabe-Puro (IKB SR control)
Retrovirus	No	pWzl (GFP)
Lentivirus	No	pLKO shGSK3A 3 (TTCTATTTACAAGGGACACAG)
Lentivirus	No	plndMir3 (hFOXC2 shRNA oligo 1350)
Retrovirus	No	pbabe (IKB SR)
Lentivirus	No	pGIPZ (shUBE2I)
Lentivirus	No	pGIPZ (shTFPI)
Lentivirus	No	pGIPZ (shNEBL)
Lentivirus	No	pHAGE-EFA1-IRES-eGFP (S337A)
Lentivirus	No	pGIPZ (pGIPZ-shMAPK14)
Lentivirus	No	pGIPZ (shRNA N-cadherin)
Lentivirus	No	pHAGE-EFA1-IRES-eGFP (S219E)
Retrovirus	No	pBabe (Snail-ER)
Lentivirus	No	pGIPZ (shRNA Gremlin1)
Lentivirus	No	pINDUCER (pINDUCER-FOXC2(DA))
Lentivirus	No	pHAGE-EFA1-IRES-eGFP (Y488A)
Retrovirus	No	pMIG (pMIG-FOXC2(DN))
Lentivirus	No	pLKO (pLKO-Raptor)
Retrovirus	No	pBabe (miR-155)
Lentivirus	No	pLKO.1 (Control shRNA)
Retrovirus	No	pCQOXIN (Zeb1)

Viral Systems

lentivirus	No	ER-GFP (Bsd) lentivirus, LVP973-B
Lentivirus	No	pUMVC
Lentivirus	No	pHAGE-Ind-UBC-DEST(eGFP)
Lentivirus	No	pEZX (anti-Scramble1)
Lentivirus	No	pMIRNA (Scramble)
Lentivirus	No	PSAP-DTA (GFP-CMV-Neo) (PSA promoter-reporter)
Lentivirus	No	ENTR223.1
Lentivirus	No	pLKO (pLKO-shluciferase)
Lentivirus	No	pHAGE-EFA1-IRES-eGFP (S363A)
Lentivirus	No	pINDMIR34 (pIRSUE miR-200c)
Lentivirus	No	pHAGE-EFA1-IRES-eGFP (Y488E)
Retrovirus	No	pBabe (empty)
Lentivirus	No	pFU-CGW ICN (NICD construct)
Retrovirus	No	pBabe (miR-106a)
Lentivirus	No	pHAGE-FUGW-d2GFP-Z1 3'UTR
Lentivirus	No	pGIPZ(shRNA Zeb2)
Lentivirus	No	pLKO (pLKO-ff3)
Lentivirus	No	pINDUCER pINDUCER-FOXC2
Retrovirus	No	pMX (pMX-gsk3Beta(OA))
Lentivirus	No	GLS2 cDNA
Lentivirus	No	pLKO (shFF3)
Lentivirus	No	pGIPZ (pGIPZ-shGREM2)
Lentivirus	No	plndMir3 (hFOXC2 shRNA oligo 1440)
Adenovirus	Yes	Ad5-CMV-Cre-GFP
Retrovirus	No	pMX(pMX-vector)
Lentivirus	No	pGIPZ (shCited2 #8)
lentivirus	No	ESRP1 sgRNA CRISPR/Cas9 All-in-One lentivector set [pLenti-U6-sgRNA-SFFV-Cas9-2A-Puro]
Lentivirus	No	pLKO shGSK3A 1(AGCACTGAAGTTGAAGAGAGG)
Retrovirus	No	pBabe (empty)
Lentivirus	No	pMIRNA (miR-203)
Lentivirus	No	pGIPZ (shOLFML3)
Retrovirus	No	pMIG (pMIG-Snail(6SA))
Lentivirus	No	GIPZ (human FABP4 shRNA)
Lentivirus	No	pLKO (pLKO-shgfp)
Lentivirus	No	pMIRL (RFP and Luciferase)
Lentivirus	No	pHAGE-EFA1-IRES-eGFP (S367A)
Lentivirus	No	pGIPZ (shFABP4)
Lentivirus	No	pGIPZ (shRNA Zeb1)
Lentivirus	No	GIPZ (V3LHS_307697)
Lentivirus	No	pHAGE-EFA1-IRES-eGFP (S288A)
Lentivirus	No	pInducer21-(Snail)
Retrovirus	No	pCQXIP-DEST(Neo)
Retrovirus	No	pBabe (miR-29c)
Retrovirus	No	pBabe (Ras)
Lentivirus	No	pGIPZ (CK15)
lentivirus	No	TetO-FUW-NICD1
Lentivirus	No	GIPZ (V2LHS_131700)
Lentivirus	No	pGIPZ (pGIPZ-ff3)
Lentivirus	No	pGIPZ (shRNA Zeb1)
Retrovirus	No	pBabe (miR-205c)
Retrovirus	No	pBabe (miR-137)
Lentivirus	No	pGIPZ
Retrovirus	No	pCSPSAR PSAP(Empty)
Lentivirus	No	pHAGE-EFA1-IRES-eGFP (S240A)
Lentivirus	No	pHAGE-EFA1-IRES-eGFP (S363E)
lentivirus	No	NUMB isoform 2- and -4 cDNA constructs: M107K0eGFP
Lentivirus	No	miArrest (anti-Scramble)
Lentivirus	No	pGIPZ (shRNA EMP3)
Lentivirus	No	pGIPZ (shFF3)
Retrovirus	No	pMX (pMX-AKT(AAA))

Viral Systems

Lentivirus	No	pINDMIR34 (pIRSUE miR-200b)
Lentivirus	No	pHAGE-Ind-EF1a-DEST(hFOXC2)
Lentivirus	No	(Vim S56 mutant) DOX inducible Cas9: Lenti-iCas9-neo with pInducer-20 backbone
Retrovirus	No	pBabe (miR-211)
Retrovirus	No	pBabe (miR-92a)
Lentivirus	No	pHAGE-EFA1-IRES-eGFP (S219A)
Lentivirus	No	pLKO FF3 (AGCTCCCGTGAATTGGAATCCTAGTGAAGCCACAGATGTAGGATTCCAATTCAGCGGGAGCC)
Retrovirus	No	pBabe (miR-30a)
Lentivirus	No	pLKO (pLKO-shBcatenin)
Lentivirus	No	pLKO (shSPARC)
Lentivirus	No	GIPZ (V3LHS_307701)
Retrovirus	No	pBabe (miR-144)
Retrovirus	No	pIRSUE (shFF3)
Lentivirus	No	pGIPZ (shMAGEH1)
Retrovirus	No	pMX (pMX-gsk3Beta(WT))
Retrovirus	No	pBabe (Twist)
Retrovirus	No	pBabe (miR-30c)
Lentivirus	No	pLKO shGSK3A 2 (AATCTGAGGGAACTTGAACTC)
Lentivirus	No	pHAGE-EFA1-IRES-eGFP (S240E)
lentivirus	No	scrambled sgRNA CRISPR Lentivector [pLenti-U6-sgRNA-PGK-Neo]
lentivirus	No	scrambled sgRNA CRISPR/cas9 all-in-one lentivector
Lentivirus	No	plndMir3 (hFOXC2 shRNA oligo 1642)
Lentivirus	No	Lenti6/V5-DEST (CmR)
Retrovirus	No	pWzl (Snail-ER)
Lentivirus	No	pIRSUE (miR-200b)
Lentivirus	No	pHAGE-GFP
Retrovirus	No	pMX (pMX-AKT(EDE))
Lentivirus	No	GIPZ (V2LHS_1317011)
Lentivirus	No	pGF1-mCMV_iRFP720-Puro(Vim-iRFP720)
Lentivirus	No	pHAGE-EFA1-IRES-eGFP (S288E)
Lentivirus	No	pHAGE-EFA1-IRES-eGFP (S125A)
Lentivirus	No	pLKO.1 (GD3S shRNA)
lentivirus	No	sgRNA delivery we will use: pLenti-U6-sgRNA-PGK-hygro
Lentivirus	No	pGIPZ (shCited2 #7)
Lentivirus	No	pIRSUE miR-200-CFP
Retrovirus	No	pBabe-Puro (FOXC2-Engrailed)
Lentivirus	No	pGIPZ (shZeb1)
Lentivirus	No	pGIPZ (shPPP1R3C)
Lentivirus	No	pGIPZ (shEzh2 #1)
Lentivirus	No	pHAGE-EFA1-IRES-eGFP (T247E)
Lentivirus	No	pInducer21-(FOXC2_
Lentivirus	No	pHAGE-EFA1-IRES-eGFP (S363E)
Lentivirus	No	pGIPZ (shVimentin)
Retrovirus	No	pBabe (mCherry miR-203 Sensor)
Lentivirus	No	pHAGE-puro
Lentivirus	No	GIPZ (V3LHS_407558)
Retrovirus	No	pMX (pMX-AKT(ADE))
Retrovirus	No	pCQXIP-DEST(KDM6a)
Lentivirus	No	pHAGE-EFA1-IRES-eGFP (S251E)
lentivirus	No	ESRP2 sgRNA CRISPR/Cas9 all-in-one lentivector set [pLenti-U6-sgRNA-SFFV-Cas9-2A-Puro]
Lentivirus	No	pHAGE-EFA1-IRES-eGFP (S251A)
Lentivirus	No	pGIPZ FF3 (AGCTCCCGTGAATTGGAATCCTAGTGAAGCCACAGATGTAGGATTCCAATTCAGCGGGAGCC)
Retrovirus	No	pCQOXIN (DEST)
Lentivirus	No	pFU-CGW (Empty vector)
Lentivirus	No	pHAGE-Ind-EF1a-DEST(eGFP)
Retrovirus	No	pMX (pMX-gsk3Beta(KD))

Viral Systems

Lentivirus	No	pCAG-DsRed
Lentivirus	No	pMIG FOXC2-YFP (FOXC2 cDNA)
Retrovirus	No	pBabe (Twist-ER)
Retrovirus	No	pCR2.1 (mCherry)
Lentivirus	No	pMIG (Empty vector)
Lentivirus	No	pLKO shGSK3A 5 (TTAATCTGAGGGAACTTGAAC)
Lentivirus	No	pHRL
Retrovirus	No	pMX (pMX-AKT(CAAX))
Retrovirus	No	pMIG (pMIG-FOXC2(DA))
lentivirus	No	FOXC2 sgRNA CRISPR/Cas9 all-in-one lentivector set [pLenti-U6-sgRNA-SFFV-Cas9-2A-Puro]
lentivirus	No	GSK3B sgRNA CRISPR/Cas9 all-in-one lentivector set [pLenti-U6-sgRNA-SFFV-Cas9-2A-Puro]
Lentivirus	No	pLV.SGb.PtR-CMV LTR-GFP-SV40-PGK-RFP (miR200 family sensor-dual color)
Lentivirus	No	plndMir3 (shFire fly luciferase)
Retrovirus	No	pCSPSAR PSAP(dsRed)
Retrovirus	No	pMIG (pMIG-FOXC2)
Lentivirus	No	pGIPZ (shPPAP2B)
Lentivirus	No	pLKO (pLKO-sh-Rictor)
Retrovirus	No	pBabe (miR-126)
Retrovirus	No	pBabe (mCherry miR-200c Sensor)
Lentivirus	No	pGIPZ (shNID1)
Lentivirus	No	pLKO shGSK3A 6 (ATCTCTCGGATTTGTTCCCGG)
Lentivirus	No	plndMir3 (hFOXC2 shRNA oligo 54)
Lentivirus	No	pHAGE-Vim-RFP
Retrovirus	No	pWzl (TGFb)
Lentivirus	No	pGIPZ (shEzh2 #2)
Retrovirus	No	pMIG (pMX-AKT(DD))
Retrovirus	No	pCQOXIN (Empty)
Lentivirus	No	pINDUCER pINDUCER-Notch-OFP
Lentivirus	No	pLKO shFOXC2 5 (CCTGAGCGAGCAGAATTACTA)
Lentivirus	No	pIRSUE miR-203
Lentivirus	No	pHAGE-EFA1-IRES-eGFP (S36E)
Lentivirus	No	pHAGE-EFA1-IRES-eGFP (S367E)
Lentivirus	No	pHAGE-EFA1-IRES-eGFP (S337E)
Retrovirus	No	pWzl (Twist)
Lentivirus	No	miArrest (anti-miR-203)
Lentivirus	No	GLS2 cDNA
Retrovirus	No	pMIG (pMX-AKT(EDA))
Retrovirus	No	pBabe (NFkB reporter)
Lentivirus	No	pLKO (pLKO-shFOXC2)
Lentivirus	No	pGIPZ (shRNA IGF-1R)
Retrovirus	No	pMIG (pMIG-Snail(WT))
Lentivirus	No	pCAG-GFP
Lentivirus	No	pGIPZ (shRNA FGFR1)
lentivirus	No	GSK3A sgRNA CRISPR lentivector set [pLenti-U6-sgRNA-PGK-Neo]
Lentivirus	No	FUW-2A-Strawberry (CmR)
Lentivirus	No	pLKO shGSK3A 4 (ATGGATGAGGTGTAATCAGTG)
Lentivirus	No	WT Vimentin, phospho-mimetic Vimentin S56E and phospho-ablative Vimentin S56A pINDUCER20
Retrovirus	No	pWzl (Twist-ER)
Retrovirus	No	pBabe-Puro (FOXC2-VP16)
Lentivirus	No	pGIPZ (shRNA FOXC1)
Lentivirus	No	pHAGE-Ind-UBC-DEST(hFOXC2)
Retrovirus	No	pMIG (pMX-AKT(WT))
Lentivirus	No	pInducer20-
Lentivirus	No	pCMV-delta 8.2R
Retrovirus	No	pBabe-Puro (empty)
Lentivirus	No	pHAGE-EFA1-IRES-eGFP (S36A)

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
AsPC-1, human pancreatic cell line	No
Mouse Mammary tumor cell line-4T1, shCK15 in 4T1	Yes
Human Mammary Epithelial Cells overexpressing Twist	Yes
PANC-1, human pancreatic cell line	No
Human Mammary Epithelial Cells overexpressing Snail	Yes
HEK 293T, human embryonic kidney cell line	No
MDA MB 231, sh CK-15 in MDA MB 231	Yes
prostate cancer-PC3	No
WHIM12, sh CK-15 in WHIM12	Yes
HMLER-FOXC2, breast cancer model (HMLE cells overexpressing Ras and FOXC2), sh CK15 in HMLER-FOXC2	Yes
prostate cancer-LNCaP	No
Mouse Mammary Tumor Cell Line-67NR	Yes
Human Mammary Breast Cancer Cells (Sum159), sh CK-15 in SUM159	Yes
prostate cancer-DU145	No

Microbial Agents

Name	Administered to Animals in Vivo
E.coli DH5Alpha	No

Biosafety Level : BSL2

Meeting Notes : The IACUC protocol number was updated in this registration that includes in vivo administration of a viral system, however, the PI of the IBC registration and ACUF are not the same and the protocol cannot be approved until this contingency is addressed.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	18	0	0	0

Investigator : Jean Gautier

Document No. : RM00008256-RN00_AM1

NIH Guidelines Category : III-D-3-a.

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
• pAc-GFP-C1	No
• FNpCDNA3	No
• pCAGGS	No
• Actin chromobody-TagGFP	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus (3)	No	psPAX2, pMD2.G, plenti-crRNA Hygro, plentCas9-Blast, pKLV2.2-gRNA-Puro
Lentivirus	No	pGIPZ, pX330, pFUGW
Lentivirus	No	pLK2.2, • pLK0.1, • plenti-Lb-Cas12a-2xNLS

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Osteosarcoma	No
U2OS (Osteosarcoma)	No
Breast cancer	No
Fibroblasts	No
Lymphoma	No
B Cells	No
HEK293T (Embryonic Kidney)	No
COS1 (Monkey Kidney)	No

Microbial Agents

Name	Administered to Animals in Vivo
E. coli(DH5 alpha)	No
E. coli (NEB Stable)	No

Biosafety Level : BSL2

Meeting Notes : Multiple agents were added, including plasmids, viral systems and cell lines. The experimental plan was updated accordingly.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	18	0	0	0

Investigator : Raghu Kalluri

Document No. : RM00000518-RN02_AM62
NIH Guidelines Category : III-D-4-b.
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pT/Caggs-NRASV12	Yes
pCAG-T7pol	No
pCMV3-mCD80	No
pD2529-CMV-ACE2_human	No
pBS18	No
Drosha-Mut	No
pCMV6-CD63-GFP	No
pCAS9-guide mouse CD274 donor plasmid	No
pRK5-EGFP-Tau P301L	No
CMV ON Col 18 IN PC SPORT 6.1	No
pCMV/SB11	Yes
pMetR-ACE2ecto	No
PDGFRB-TK –TOPO 11	No
human GPC1 donor plasmid	No
pDsRed 2-C1	No
pcDNA3-CFP	No
pJKR-H-tetR	No
CAN-Pet 2B Clones 1-4	No
pD2538-CMV-mVEGF	No
pMetR-SPecto	No
HSP-Cre-IRES	No
pD2528-CMV-QHD43416.1	No
pQC membrane Tdtomato IX	No
pCMV3-mFCGR2B-t1	No
mCherry-Tsg101	No
pT3-myr-AKT-HA	Yes
GPC1	No
pcDNA3-RLUC-POLIOIRES-FLUC	No
pcDNA3.3_mCherry	No
pD2528-CMV-P.1 Spike Protein	No
a2 PD5 (4825Y)	No
pcDNA	No
pD2528-CMV_RBD-TwinStrep-VSV-G_TM_Chimera	No
pcDNA3 GFP PTEN	No
pT3-N90-beta-catenin	Yes
pD2529-CMV	No
pCMV/SB11	No
pCI neo-hEST2-globin mRNA vector	No
mPlum-C1	No
pCMV3-mTNFSF9	No
C2 CANSTATIN pc BFT midi	No
pCI neo-hEST2	No
MMTV-cFos-SV40	Yes
pcDNA3-OVA	No
pCMV3-CD40LG	No
pGL3	No
pD2528-CMV_B.1.1.526	No
pD2528-CMV	No
FSP 1 II S4P	No
aSMA-RFP	No
pFLAG CMV 6A Clone 1 (MD 010508)	No
mCherry-CD9-10	No
pRK5-EGFP-Tau	No
ACE2-mFc	No
pCMV/SB10	No
pD2528-CMV-B.1.351 Spike protein	No
SARS-CoV-2 spike protein mRNA	Yes
gRNA Smad4 mouse target #2 gene knockout plasmid	No
pD2529-CMV_ACE2_human_C-trunc-VSV-G-tm	No
pRosa26-DEST	No

Non Viral Systems	
pFLAG CMV 6A Clones 1-5	No
CANSTATIN Pet 2B	No
pCMV4a-Flag-c-Myc	No
tdTomato-C1	No
Cerulean-N1	No
CMV T II Pet 28 Clone	No
pcDNA3 LIC cloning vector	No
pcDNA3-YFP	No
pCep. PU	No
pDESTmycDicer	No
pD2528-CMV_QHD43416.1_C-trunc-VSV-G-tm	No
Human GPC-1 overexpression plasmid	No
pD2528-CMV-QHD43416.1_C-trunc_400492	No
GGT-SV40	No
TK-TQ 004	No
T7 PelB His6	No
Perk WT	No
MtPT4-eGFP	Yes
pD2528-CMV_QHD43416.1-VSV-G-tm	No
Flag-P53/pRK5	No
pcDNA3.1-CMV-CFP;UBC-Cre25nt	No
PDGFRB-PDsRed	No
pCMV6-AC-mGFP	No
pD2528-CMV_QHD43416.1_C-trunc	No
pCMV-Mark2-tGFP,	No
NG2-TK	No
pCMV NYC CRI (MIMI)	No
SB100X in pCAG globin pA	Yes
pCMV3-C-GFPSpark-BACE1 cDNA ORF Clone	No
pVax1-hVEGF165	No
pSpCas9(BB)-2A-GFP (PX458)	No
NG2-YFP	No
pMetLuc-Mem Control	No
499328: pD2528-CMV-472997	No
mEmerald-CD9-10	No
a2 PD5 + CAR	No
pCMV3-untagged	No
pEGFP-C1	No
pPalmitoyl-mTurquoise2	No
pcDNA3-SARS-CoV-2-RBD-8his	No
mouse Pdcd1lg2 donor plasmid	No
PCD FL0X	No
GFP-p53	No
pCMV3-mCD2	No
pD2528-CMV-B.1.1.526	No
PresentER-SIINFEKL (GFP)	No
pD2528-CMV-B.1.617.2 Spike Protein	No
pRK5-EGFP-Tau E14	No
Perk K618A	No
pcBFT Col 18 NCL Clone D	No
pEGFP-n1-APP	No
pSpCas9(BB)-2A-Puro (PX459)	No
mCherry-CD81-10	No
pT2/Onc	No
Oct4 KLF4 Sox2 c-Myc	No
mEmerald-CD81-10	No
PCMV3-mCD40LG	No
pCMV3-C-His_SARS-CoV-2 (2019-nCoV) Nucleoprotein Gene ORF cDNA clone expression plasmid	No
pPAmCherry1-C1	No
pcBFT-Col 18 TSPN Clone 1	No
EBFP2-C1	No
MCX K11Fl PC BFT	No
pCMV3-CD80	No

Non Viral Systems

pIRES2-EGFP-p53 WT	No
pCMV3-C-His_SARS-CoV-2 (2019-nCoV) Spike RBD Gene ORF cDNA clone expression plasmid	No
pDsRed Express 1	No
pD2528-CMV:499328	No
pT3-EF1A-MYC-IRES-luc	Yes
Drosha WT	No
pCAG-mGFP	No
L3L4_pD223_DTA	Yes
mouse Gpc1 donor plasmid	No
pEGFP-AGO2	No
mCherry-hALIX	No
nCov-1 nCov-2P-F3CH2S	No
mouse Tgfbr2 donor plasmid	No
mouse Smad4 donor plasmid	No
pCMV6-Entry	No
Zeb1	No
pD2528-CMV_RBD-VSV-G_TM_Chimera	No
αSMA-TK	No
PGC1a flag	No
472997: pD2528-CMV-472997	No
pD2528-CMV-C.37 Spike Protein	No
pD2528-CMV-IVT mRNA vector	No
pCMV14-3X-Flag-SARS-CoV-2 S	No
pCMV-Mark3-tGFP	No
FSP1-GFP	No
pD2528-CMV_RBD-VSV-G_TM_Chimera	No
pCMVTag4-Dicer	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Bacculovirus	No	pCMV-Dest
Lentivirus	No	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
Lentivirus Particles	Yes	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
Lentivirus	No	Human CRISPR Knockout Pooled Library (GeCKO v2), Toronto KnockOut (TKO) CRISPR Library - Version 3
Adenoassociated virus (AAV)	No	AAV control, AAV ATDC, AAV CEACAM, AAV CTSE, AAV KLK10 or AAV KTLLPTP
Adenovirus	Yes	Premade Adenovirus with ORF of claudin 5 (CLDN5), transcript variant 2 with C terminal Flag and His tag, AD-CMV-Luc, pAD-RFP
Simian immunodeficiency virus (SIV)	No	pSIV3, pCMV-VSV-G, psPAX2, pCMV-Luc2-IRES-mCherry, pcDNA3-spike expression
Adenovirus	Yes	pAdEasy, Ad-Null, Ad-mCherry-Cre, Ad-GFP-2A-iCRE, Ad-DET1, Ad-CMV-FLPO
Adenoassociated virus (AAV)	No	AAV9-mCldn5-o4-shRNA and AAV9-anti-luc-control-shRNA
Lentivirus	Yes	Trp53 donor plasmid, Negative Scramble, gRNA, Scramble Negative, E1a-EGFPCre; gRNA Pdcd1lg2, Tgfbr2, Smad4, Gpc1, Gpc1(hu), CD274 target #1 gene knockout plasmid, gRNA Pdcd1lg2, Tgfbr2, Smad4, Gpc1, Gpc1(hu), CD274 target #2 gene knockout plasmid
Recombinant vesicular stomatitis virus	Yes	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
Lentivirus	No	pCT-CD63-GFP, CMV-hTERT, pLenti-P3A, pLenti-P3B, pLenti-P3C, pLenti-pHluorin_M153R-CD63,

Viral Systems

		pLenti CMV Blast dest, F-Luc/mcherry, pHAGE-BRAF-V600E, PLX302 Luciferase-V5 puro
Lentivirus	No	pDual-ACE2, pCMV-VSV-G, psPAX2
Recombinant vesicular stomatitis virus	Yes	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
Lentivirus	No	GIPZ Lentiviral shRNA Controls, GIPZ Human CD9 shRNA, GIPZ Human CD63 shRNA, GIPZ Human CD81 shRNA, (LV01) U6-gRNA:ef1a-puro-2A-Cas9-2A-tGFP
Lentivirus	Yes	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
Retrovirus	No	pBabe, pHIT60, pWZI, pLPC, pMSCV, pLNCX, pRS, pRFP-C-RS, pGFP-V-RS, pUMVC, pBabe-KrasG12D, pLNCX2Scrib, pLPC-scribP305L
Lentivirus	Yes	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
Lentivirus	No	pMD2.G, psPAX2, pRDA_550_ CHRNA4gRNA, pRDA_550_ SERPINB14gRNA, pRDA_550_ FCGBPgRNA, pRDA_550_ PCNAgRNA

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Kidney Cancer (mouse)	Yes
Exosomes derived from cell lines containing spike protein mRNA	Yes
Colon Cancer (human)	No
Lung Cancer (mouse)	Yes
Breast Cancer (human)	Yes
Pancreas Cancer (mouse)	Yes
Melanoma (mouse)	Yes
293T	No
Fibroblasts (human)	Yes
Bladder Cancer	No
Brain Cancer (human)	Yes
Possible COVID+/SARS-CoV-2 specimens (plasma, serum, stool, buffy coat, or urine)	No
Lung Cancer (human)	Yes
Pancreas Cancer (human)	Yes
Fibroblasts (mouse)	Yes
Kidney Cancer (human)	Yes
Melanoma (human)	No
Breast Cancer (Mouse)	Yes
Exosomes derived from cell lines transfected with SARS-CoV-2 proteins	Yes
Prostate Cancer (mouse)	Yes
Brain Cancer (mouse)	Yes
293F	No
Prostate Cancer (human)	Yes
Colon Cancer (mouse)	Yes

Microbial Agents

Name	Administered to Animals in Vivo
Bacteroides thetaiotaomicron	Yes
Helicobacter mesocricetorum	Yes
E.coli k-12	No

Biosafety Level :	BSL2
Meeting Notes :	The number of one of the IACUC protocols was updated, and a new lentiviral vector and gene were added to the study.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	18	0	0	0

Investigator : Jian Hu
Document No. : RM00000880-RN02_AM2
NIH Guidelines Category : III-D-4-b.
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
[redacted]	No
[redacted]	No
[redacted]	No
[redacted]	No
[redacted]	No
[redacted]	No
[redacted]	No
[redacted]	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
[redacted]	No	[redacted]
[redacted]	No	[redacted]
[redacted]	No	[redacted]
[redacted]	No	[redacted]
[redacted]	No	[redacted]
[redacted]	Yes	[redacted]
[redacted]	No	[redacted]
[redacted]	No	[redacted]
[redacted]	Yes	[redacted]
[redacted]	Yes	[redacted]
[redacted]	Yes	[redacted]
[redacted]	No	[redacted]
[redacted]	No	[redacted]

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
[redacted]	No
[redacted]	No
[redacted]	Yes
[redacted]	No
[redacted]	Yes
[redacted]	No
[redacted]	No
[redacted]	No
[redacted]	Yes
[redacted]	No
[redacted]	No
[redacted]	No
[redacted]	Yes
[redacted]	No
[redacted]	Yes
[redacted]	No
[redacted]	Yes
[redacted]	Yes

Microbial Agents

Name	Administered to Animals in Vivo
[redacted]	No

Biosafety Level : BSL2
Meeting Notes : Various agents including [redacted] and [redacted] were added to rDNA.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	18	0	0	0

Investigator : Christopher Johnston
Document No. : RM00007966-RN00_AM2
NIH Guidelines Category : III-D-1-a.
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host

Non Viral Systems

pUC19	No
pBRESP36A	No
pCasSA	No
pHS30-N.B.CD40	No
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 WM6026	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 : Several plasmid vectors and several bacteria were added to the amendment. The bacteria will be engineered with the plasmids to secrete nanobodies.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	18	0	0	0

Investigator : Aria Vaishnavi

Document No. : RM00006133-RN00_AM22

NIH Guidelines Category : III-D-4-b.

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pX333	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pLV[Exp]-Bsd-TRE>HA/HA/HA/hKRAS, pLV[Exp]-Puro-CMV>EGFP(ns):T2A:Cre, pLV[Exp]-Puro-CMV>mEgfr(ns):T2A:Cre, pLV[Exp]-Puro-CMV>HA/mEgfr:Cre, pLV-EGFP:T2A:Puro-CMV>mEgfr:IRES:Luc2, pLV-EGFP:T2A:Puro-CMV>mEgfr, pLV-Puro-CMV>mEgfr
Lentivirus and Retrovirus	No	pCMV-VSVG
lentivirus	No	CAG-PCDH, CAG-Rbms3-PCDH, TOP-GFP, pCAG-CRE-GFP-PCDH,
Lentivirus	No	pCW57.1-TRE-CMV-minP-EGFP-PGK-BSD-T2A-Tet-Off; +/-shERBB, shHER2, shHER4
Lentivirus	No	pLV-TRE andp LV-TRE-HA: BRAF, BRAF-V600E, L597Q, D594A, D594V, G464V, G466A, G466E,

Viral Systems

		G466R, G466V, G469A, G469E, G469S, G469V, K601E, K601Q, L597Q, L597V, G464E
Lentivirus	No	pLV[Exp]-CMV>tTS/rtTA/Hygro, pLV[Exp]-Bsd-TRE>HA/HA/HA/{hKRAS(S17N)}
Adenovirus	Yes	AdenoCAS9, ADENOEMl4-ALK, Ad5.CMV-CRE, Ad5.SPC-CRE
Lentivirus	No	pCW57.1-G4-HA-BRAF-EV or V600E-3x-Flag-shBRAF-resistant_PuroR and pCW57.1_G4-BRAF-WT-3X-Flag-PuroR: BRAF, L597Q, D594A, D594V, G464V, G466A, G466E, G466R, G466V, G469A, G469E, G469S, G469V, K601E, K601Q, L597Q, L597V, G464E, and truncEGFR-3X-Flag
Lentivirus	No	pFUGW-Pol2-ffLuc2-eGFP
Retrovirus	No	pMMLV-hHER2/3xFLAG-hPGK>Bsd., pMMLV-3xFLAG/hHER2(C805S)-hPGK>Bsd, pMMLV-3xFLAG/hHER2_hPGK>Bsd
Lentivirus	No	pCW57.1_PuroR and pCW57.1_PuroR-HA: BRAF, BRAF-V600E, L597Q, D594A, D594V, G464V, G466A, G466E, G466R, G466V, G469A, G469E, G469S, G469V, K601E, K601Q, L597Q, L597V, G464E, KRAS, KRASS17N
Lentivirus	No	pMCL-HA-MAPKK1-11A55B [S218E/S222D], pMCL-HA-MAPKK1-WT,
Lentivirus	No	pHAGE and pHAGE-HA: BRAF, BRAF-V600E, L597Q, D594A, D594V, G464V, G466A, G466E, G466R, G466V, G469A, G469E, G469S, G469V, K601E, K601Q, L597Q, L597V, G464E
Lentivirus	No	pCW57.1-TRE-CMV-minP-EGFP-PGK-BSD-T2A-Tet-Off; +/- shARAF; shBRAF; shCRAF; TPL2; shREN
Lentivirus	No	pCW57.1_G4-BRAF-WT-3X-Flag-PuroR and pCW57.1_G4-BRAF-WT-3X-Flag-PuroR: BRAF, BRAF-V600E, L597Q, D594A, D594V, G464V, G466A, G466E, G466R, G466V, G469A, G469E, G469S, G469V, K601E, K601Q, L597Q, L597V, G464E
Lentivirus	No	tet-shEGFR1-3, tet-shHER21-3, tet-shRenilla, tet-shEGFR1-2, tet-shHBEGF 1-3, tet-shCRAF 1-3
Lentivirus	No	pTR-UEms
Retrovirus	No	FLAG-BRAF
Lentivirus	No	pLenti-CRISPRv2
Lentivirus	No	PRK5RS-HERCD533
Lentivirus	No	CAG-PCDH
Retrovirus	No	FLAG-CRAF-S338A, FLAG-CRAF-R401H, FLAG-BRAF-V600E
Lentivirus	No	pSPAX
Lentivirus	Yes	UPEC_pegRNA: EV, BRAF-G466E, G466R, G466V, G469A, G49V, G469I, DNMT1, KRASG12D
Lentivirus	No	pCW57.1-G4-HA-BRAF-EV or V600E-3x-Flag-shBRAF-resistant_PuroR and pCW57.1_G4-BRAF-WT-3X-Flag-PuroR: BRAF, L597Q, D594A, D594V, G464V, G466A, G466E, G466R, G466V, G469A, G469E, G469S, G469V, K601E, K601Q, L597Q, L597V, G464E
Lentivirus	No	ACTIN-SOX2-PGK-CRE, PCDNA3-Myc-IQGAP1, LRP6-pC62
Lentivirus	No	pCMV-Delta 8.9
Adenovirus	Yes	pAAV-mBraf-G469V
Lentivirus	Yes	sgNT-CRE, sgLKB1-CRE, sgBIM-CAS9, sgRbms31-5, sgP53-CRE, sgLKB1-CRE, sgEGFR1-5-CRE, Lentis-D2G-28pool/CRE
Lentivirus	No	pCF806_shABC2-puro or -blast
Retrovirus	No	EV-pBABE, HA-MEK1-pBABE, EGFR-pBABE, HA-EGFR-pBABE, HA-EGFRC797S-pBABE, HER2-pBABE, HER2C805S-pBABE, EGFR-HA-KM-pBABE, pBABE-PURO-ARAF, pBABE-PURO-CRAF

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Subcutaneous connective tissue; Adipose; Areolar	No
Pancreatic Cancer	No

Cell Lines

Fibroblast	No
Kidney Cells 293T	No
Lung Cells	Yes
Colorectal Cancer	No
Lung Cells	Yes
Kidney cells 293T Phoenix Ampho	No
Lung Cancer	Yes
Lung Cancer	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E.coli	No

Biosafety Level : BSL2

Meeting Notes : Updated facilities to include a room associated with animal work.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	18	0	0	0

Investigator : Sarah Kezar

Document No. : RM00006297-RN00_AM5

NIH Guidelines Category : III-D-4-b.

Agents :

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Plasma in Acid Citrate Dextrose (ACD) or citrate phosphate dextrose adenine 1 (CPDA-1) anticoagulant	Yes

Microbial Agents

Name	Administered to Animals in Vivo
Human Immunodeficiency Virus-1 (HIV-1) CH077 backbone "077_RMT"	Yes
Human immunodeficiency virus-1 NL4-3 backbone	Yes
Human Immunodeficiency Virus-1 (HIV-1) CH077 backbone "077_RMTE"	Yes
Human Immunodeficiency Virus-1 (HIV-1) CH077 backbone "077_RTE"	Yes
Human Immunodeficiency Virus-1 (HIV-1) CH077 backbone "077_R"	Yes
Human Immunodeficiency Virus-1 (HIV-1) CH077 backbone "077_RM"	Yes

Biosafety Level : BSL3

Meeting Notes : The amendment adds new HIV viral strains and associated drug susceptibility documentation. Because there are HIV-1 agents in this study, at minimum BSL2+ practices are required. EHS in their comments suggests the implementation of BSL3 practices, and the committee reviewer also recommends BSL3. Final decision pending until there is a consensus on risk assessment.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	18	0	0	0

Investigator : Vahid Afshar-Kharghan

Document No. : RM00000420-RN02_AM1

NIH Guidelines Category : III-D-1-a.

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
CD39	No
CD39	No
TGFB	No
TGFB	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
lentivirus	No	pLVX

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
ovarian cancer	Yes
Ovarian cancer	Yes
megakaryocytic cell line	Yes

Biosafety Level : BSL2

Meeting Notes : The amendment added a megakaryocytic cell line, MEG-01 cell, which will be transduced using lentivirus with vectors encoding Fabs to CD31 and VISTA to be used in vivo.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	18	0	0	0

Investigator : Hui-Lin Pan
Document No. : RM00000486-RN02_AM2
NIH Guidelines Category : III-D-4-b.
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pcDNA3	No
PolyJet DNA In Vitro Transfection Reagent	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	Yes	shRNA
Lentivirus	Yes	scrampled control shRNA
Lentivirus	Yes	pGIPZ, pLKO.1, pLenti6/v5
Adeno Associate Virus	Yes	AAV 8
Adeno Associate Virus	Yes	WPRE2-SpA
Rabies virus vectors	Yes	pSADdeltaG-DsRed2

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Rat Dorsal root ganglion cells	No
Human embryonic kidney cells 293-FT	No
PC-12 adrenal gland	No
Human embryonic kidney cells 293	No
F11 cells	No

Microbial Agents

Name	Administered to Animals in Vivo
E-coli-DH5alpha	No

Biosafety Level : BSL2
Meeting Notes : The amendment updates IACUC protocol information.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	18	0	0	0

Investigator : Kristen Pauken
Document No. : RM00006570-RN00_AM18
NIH Guidelines Category : III-D-1-a.
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
Cre-Mscarlet-pRpl18-4x MirT	No
pLC-ZsGreen-P2A-puro	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
lentivirus	No	psPax2, pMD2.G, Cre-Mscarlette-pRpl18-4x MirT
lentivirus	No	psPax2, pMD2.G, pLC-ZsGreen-P2A-puro
lentivirus	No	psPax2, pMD2.G, Lenti-EF1alpha-ZsGreen1_Puro-GP100-EGS-weak
lentivirus	No	psPax2, pMD2.G, Lenti-EF1alpha-ZsGreen1_Puro-GP100-EGP-medium
lentivirus	No	psPax2, pMD2.G, Lenti-EF1alpha-ZsGreen1_Puro-GP100-KGP-strong
lentivirus	No	psPax2, pMD2.G, Lenti-EF1alpha-ZsGreen1_Puro-GP100-KVP-human-ortholgue

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
mouse melanoma (YUMM3.3-ZsGreen-GP100-KVP human orthologue)	Yes
mouse melanoma (YUMM3.3-ZsGreen-GP100-KGP strong peptide)	Yes
293T	No
mouse melanoma (B16-OVA)	Yes
mouse melanoma (YUMM1.7)	Yes
mouse melanoma (YUMM1.7-ZsGreen-GP100-EGP medium peptide)	Yes
mouse melanoma (YUMM1.7-ZsGreen-GP100-EGS weak peptide)	Yes
mouse melanoma (YUMM1.7-ZsGreen-GP100-KGP strong peptide)	Yes

Cell Lines

mouse melanoma (YUMM1.7-ZsGreen-GP100-KVP human orthologue)	Yes
mouse melanoma (YUMM3.3)	Yes
mouse melanoma (D4M-UV2)	Yes
mouse melanoma (YUMM3.3-ZsGreen)	Yes
mouse melanoma (YUMM1.7-ZsGreen)	Yes
mouse melanoma (D4M-UV2 Rpl18-MScarlet)	Yes
mouse melanoma (B16-OVA-ZsGreen)	Yes
mouse melanoma (B16-OVA-ZsGreen-GP100-EGP medium peptide)	Yes
mouse melanoma (YUMM3.3-ZsGreen-GP100-EGS weak peptide)	Yes
mouse melanoma (B16-OVA-ZsGreen-GP100-EGS weak peptide)	Yes
mouse melanoma (B16-OVA-ZsGreen-GP100-KGP strong peptide)	Yes
mouse melanoma (YUMM3.3 Rpl18-MScarlet)	Yes
mouse melanoma (YUMM3.3-ZsGreen-GP100-EGP medium peptide)	Yes
mouse melanoma (B16-OVA-ZsGreen-GP100-KVP human orthologue)	Yes
mouse colon adenocarcinoma (MC38)	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E. coli Stbl3	No

Biosafety Level : BSL2

Meeting Notes : This amendment updated the ACUF number, removed experimental groups, and removed cell lines from the protocol.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	18	0	0	0

Investigator : Ronald A DePinho

Document No. : RM00000627-RN02_AM14

NIH Guidelines Category : III-D-1-a.

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pORF9	No
pBluescript KS(-), pBluescript II sk+	No
pCAG-pBase	No
pUC Ori vector (PX330, PX260, PX334)	No
pCMV, PCMV deltaR8.74, pCMV5, pCMV6	No
pTTQ18 (pAKTaq)	No
pENTR223	No
pCDNA, pCDNA3, pCDNA3.1	No
pTRE-Tight	No
pMGL	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pLenti, pTomo, pCCL-cppt-PGK-WPRE
Lentivirus	No	pLV-CMV51-Halo-ARAF, R747-M61-663, pLenti, CRISPR/ Cas9, pLentiCRISPRv2, SMARTvector
Lentivirus/ shRNA	No	pHAGE-EF1a, pLKO, pLKO.1, pRDA_174, pRDA_550, pLenti6.3,pLenti4,pLKO.3G,pHAGE, pLVX
Lentivirus/packaging virus	No	pRSV-Rev, pMD2.G, pMD-VSVG; pAX2

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Prostate cell lines derived from metastatic sites (DU145, LNCAP, PC3, PC3M, VCAP)	Yes
Colon cancer cell lines (iAP, iKAP)	Yes
Pancreatic cancer cell lines (iKPC, KPC)	Yes
Human endothelial cell lines	No
Embryonal kidney cell lines (293T, 293FT)	No
Colon cancer cell lines (HT-29, SW-480)	Yes
Prostate cancer cell lines (DX1, PPS, MSKPCa1, MSKPCa2, MSKPCa7)	Yes
Mouse Embryotic Stem Cells	No
Lung derived from metastatic sites (e.g., H2052, H2B)	No
Prostate cancer cell lines (DU145, LNCaP)	Yes
APOE3- & APOE4-iPSC-derived neurons and astrocytes	No
Pancreatic cancer cell lines (BxPC-3, PK 59)	Yes

Cell Lines

Fibroblast cell lines	No

Microbial Agents

Name	Administered to Animals in Vivo
HB101 E. coli	No
E. coli strain 1677	No

Biosafety Level :	BSL2
Meeting Notes :	This amendment adds pHAGE-EF1a and new IACUC protocol to the registration.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	18	0	0	0

Investigator :	Kathleen Marie McAndrews
Document No. :	RM00007830-RN00_AM1
NIH Guidelines Category :	III-D-4-b.
Agents :	

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pPalmitoyl-mTurquoise2	No
pPAmCherry1-C1	No
pCMV6-CD63-GFP	No
pcDNA3-CFP	No
mEmerald-CD81-10	No
mEmerald-CD9-10	No
pCMV6-AC-mGFP	No
pSpCas9(BB)-2A-Puro (PX459)	No
mCherry-CD81-10	No
mCherry-CD9-10	No
pQC membrane Tdtomato IX	No
mCherry-Tsg101	No
mCherry-hALIX	No
pcDNA3.3_mCherry	No
pCMV-Mark3-tGFP	No
pMetLuc-Mem Control	No
pCMV-Mark2-tGFP	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentiviral particles	Yes	pLKO.1 shRNA
Adeno-associated virus	No	p-AAV-sh[control], pAAV.U6.shRNA-Sdc1-1376
Lentivirus	Yes	pCT-CD63-GFP, CMV-hTERT, F-luc/GFP, F-Luc/mcherry, Human CRISPR Knockout Pooled Library (GeCKO v2), Toronto KnockOut (TKO) CRISPR Library - Version 3, CMV-Bsd-CFP
Lentivirus	Yes	pCMV delta R8.2, pCMV-VSV-G, pMD2.G, psPAX2, pLentiCRISPRv2, pLKO.1 GFP shRNA, shYAP1 #1-2, pLenti CMV/TO SV 40 small + Large T (w612-1), pLenti-pHluorin_M153R-CD63
Adenovirus	Yes	Ad-Null, Ad-mCherry-Cre, Ad-GFP-2A-iCRE, Ad-CMV-FLPO,

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Kidney cancer (mouse)	No
Prostate cancer (mouse)	No
Brain cancer (human)	Yes
Brain cancer (mouse)	Yes
Melanoma (human)	Yes
Breast cancer (human)	Yes
Melanoma (mouse)	Yes
Breast cancer (mouse)	Yes
Lung cancer (human)	No
Colon cancer (human)	No
Lung cancer (mouse)	No
Colon cancer (mouse)	No
Fibroblasts (human)	No
Pancreas cancer (human)	Yes

Cell Lines

Pancreas cancer (mouse)	Yes
Fibroblasts (mouse)	No
293F	No
293T	No
Prostate cancer (human)	No
Kidney cancer (human)	No

Microbial Agents

Name	Administered to Animals in Vivo
E.coli k-12	No

Biosafety Level : BSL2

Meeting Notes : The amendment added several lentiviral vector that express shRNA targeting Cd47, CXCL5, Rab27, and SDC1.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	18	0	0	0

Investigator : Steven Hsesheng Lin

Document No. : RM00000639-RN02_AM1

NIH Guidelines Category : III-D-1-a.

Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pRSV-Rev
Lentivirus	No	pCMV-Eco
lentivirus	No	pMDLg/pRRE
Lentivirus	No	pLKO.3Thy1.1

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
CD8 T cell	Yes
TRAMP-C3 prostate cancer	Yes
CT-26 colon cancer	Yes
Lewis lung cancer	Yes
4T1 breast cancer	Yes
B16/OVA melanoma cells	Yes
Embryonal kidney cells transformed with the SV40 large T antigen	No

Microbial Agents

Name	Administered to Animals in Vivo
E. coli (DH5α)	No

Biosafety Level : BSL2

Meeting Notes : The amendment updates IACUC protocol information.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	18	0	0	0

Investigator : Lauren Averett Byers

Document No. : RM00000193-RN02_AM1

NIH Guidelines Category : III-D-4-b.

Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
[redacted]	Yes	[redacted]
	No	
	No	
	No	
	No	
	No	
	No	
	No	
	No	
	No	
	No	
	No	
	No	

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
[redacted]	Yes
[redacted]	No
[redacted]	Yes
[redacted]	No
[redacted]	Yes
[redacted]	No
[redacted]	Yes
[redacted]	Yes
[redacted]	No
[redacted]	Yes
[redacted]	Yes
[redacted]	No
[redacted]	Yes
[redacted]	Yes
[redacted]	Yes
[redacted]	No
[redacted]	No
[redacted]	Yes
[redacted]	Yes
[redacted]	No
[redacted]	Yes
[redacted]	No
[redacted]	Yes
[redacted]	No
[redacted]	No
[redacted]	Yes
[redacted]	Yes
[redacted]	No
[redacted]	Yes
[redacted]	Yes
[redacted]	No
[redacted]	No
[redacted]	No
[redacted]	Yes
[redacted]	Yes

Biosafety Level : BSL2

Meeting Notes : New [redacted] has been added to the registration.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	18	0	0	0

Investigator : Chibawanye Ene

Document No. : RM00006055-RN00_AM5

NIH Guidelines Category : III-D-1-a.

Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
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
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

Cell Lines

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 : In the amendment, the PI updated IACUC number.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	18	0	0	0

Investigator : Vivian Jiang

Document No. : RM00004099-RN01_AM2

NIH Guidelines Category : III-D-1-a.

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pEGFP	No
pFN21A	No
pcDNA3	No
pNLF1	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pBMN-CMV
Lentivirus	No	pHAGE
Lentivirus	No	pLL-EF1a-RFP-T2A-Puro
Lentivirus	No	pLKO.1

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
293T cells	No
lymphoma, leukemia	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E Coli DH5α	No
E Coli, Stbl3	No

Biosafety Level : BSL2

Meeting Notes : This amendment added genes to rDNA section.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	18	0	0	0

Investigator : John Victor Heymach

Document No. : RM00000523-RN02_AM18

NIH Guidelines Category : III-D-4-b.

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
[redacted]	No
[redacted]	No
[redacted]	No
[redacted]	No
[redacted]	No
[redacted]	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
[redacted]	No	[redacted]
[redacted]	No	
[redacted]	No	

Viral Systems

[redacted]	Yes
[redacted]	Yes
[redacted]	Yes
[redacted]	Yes
Lentivirus	No

[redacted]

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
[redacted]	No
[redacted]	Yes
[redacted]	No
[redacted]	No
[redacted]	No
[redacted]	No
[redacted]	Yes
[redacted]	Yes
[redacted]	Yes
[redacted]	No
[redacted]	No
[redacted]	No
[redacted]	Yes
[redacted]	No
[redacted]	No
[redacted]	No

Microbial Agents

Name	Administered to Animals in Vivo
[redacted]	Yes
	No

Biosafety Level : BSL2

Meeting Notes : The amendment adds [redacted] for use with existing cell lines and vectors.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	18	0	0	0

Investigator : Susan Bullman

Document No. : RM00007970-RN00_AM5

NIH Guidelines Category : III-D-4-a.

Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	psPAX2
Lentivirus	No	pMD2.G
Retroviral	No	pMP71

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Murine oral keratinocytes	Yes
Breast Cancer	Yes
Colon cancer- luciferase/td Tomato dual-labeled	Yes
Human embryonic kidney cells	No

Cell Lines

Pancreatic cancer	Yes
Renal adenocarcinoma	Yes
Colon cancer- luciferase/GFP dual-labeled	Yes
Ovarian Cancer	Yes
Colon Cancer	Yes
Colon Cancer	Yes
Mouse melanoma	Yes
Oral Squamous Cell Carcinoma	Yes
Lung carcinoma	Yes
Colon cancer- luc labeled	Yes
Mammary adenocarcinoma cell line	Yes

Microbial Agents

Name	Administered to Animals in Vivo
Cutibacterium acnes	No
Bacteroides fragilis	No
Fusobacterium strain SB001	Yes
Fusobacterium strain SB010 anti-CD40+	Yes
Prevotella intermedia	No
Fusobacterium strain SB010 delta pocR (isogenic mutant)	Yes
Fusobacterium strain SB010 delta eutB/pduC (isogenic mutant)	Yes
Fusobacterium strain SB010 delta gadB (isogenic mutant)	Yes
Fusobacterium strain SB048	Yes
Fusobacterium strain SB010 anti-PD1+	Yes
Fusobacterium strain SB030	Yes
Fusobacterium strain SB010 anti-CTLA4+	Yes
Fusobacterium strain KCOM 3363	Yes
Fusobacterium strain KCOM 3764	Yes
Fusobacterium strain SB010 anti-PD1+/anti-CTLA4+	Yes
Escherichia coli ATCC 25922	No
Fusobacterium strain SB010 delta eutB (isogenic mutant)	Yes
Fusobacterium strain SB010	Yes
Fusobacterium strain SB010 delta eutVW (isogenic mutant)	Yes
Fusobacterium strain SB010 Tn-Library	Yes
Parvimonas micra	No
Fusobacterium strain SB010 delta pduC (isogenic mutant)	Yes
Fusobacterium strain SB010 delta mfnI (isogenic mutant)	Yes
Fusobacterium strain SB010 anti-CD47+	Yes
Fusobacterium strain SB002	Yes
Fusobacterium sphericum	No
Fusobacterium strain SB010-pFnLux	Yes
Bacteroides fragilis strain CTX25T	Yes
Fusobacterium necrophorum	No
Fusobacterium varium	No
Prevotella intermedia strain 107CP	Yes
Fusobacterium ulcerans	No
Fusobacterium necrophorum strain 107LM	Yes
Fusobacterium periodonticum	No
Fusobacterium hominis	No
Porphyromonas asaccharolytica strain 115CP	Yes
Gemella species	No
Bacteroides fragilis strain 106LM	No

Biosafety Level :	BSL2
Meeting Notes :	Viral vectors, cell lines, and bacterial strains were added for in vivo experiments. A pending IACUC amendment is under review and requires addition of the microbial agents listed in this registration.

8. ADMINISTRATIVE MODIFICATIONS

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	18	0	0	0

Investigator :	Timothy P Heffernan
Document No. :	RM00004137-RN01_AM1
NIH Guidelines Category :	
Agents :	

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
[redacted]	No
[redacted]	No
[redacted]	No
[redacted]	No
[redacted]	No
[redacted]	No
[redacted]	No
[redacted]	No
[redacted]	No
[redacted]	No
[redacted]	No
[redacted]	No
[redacted]	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
[redacted]	No	[redacted]
[redacted]	No	[redacted]
[redacted]	Yes	[redacted]
[redacted]	No	[redacted]
[redacted]	No	[redacted]
[redacted]	No	[redacted]
[redacted]	Yes	[redacted]
[redacted]	Yes	[redacted]
[redacted]	No	[redacted]

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
[redacted]	No
[redacted]	No
[redacted]	No
[redacted]	No
[redacted]	Yes
[redacted]	Yes
[redacted]	Yes
[redacted]	Yes
[redacted]	Yes
[redacted]	No
[redacted]	Yes
[redacted]	Yes
[redacted]	Yes
[redacted]	Yes
[redacted]	No
[redacted]	Yes
[redacted]	Yes
[redacted]	Yes
[redacted]	Yes
[redacted]	Yes
[redacted]	Yes
[redacted]	Yes
[redacted]	Yes
[redacted]	Yes
[redacted]	Yes
[redacted]	Yes
[redacted]	Yes
[redacted]	No
[redacted]	Yes

Microbial Agents

Name	Administered to Animals in Vivo
[redacted]	No

Biosafety Level : BSL2
Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	18	0	0	0

Investigator : Nitin Jain
Document No. : RM00002765-RN01_AM2
NIH Guidelines Category :
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pCLS24046	No
pCLS30262	No
pCLS30261	No
pCLS24048	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	For the expression plasmid it is the HIV-1 transfer vector backbone and the three accessory plasmids are packaging plasmids

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
293T	No
Mononuclear cells	No

Biosafety Level : BSL2
Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	18	0	0	0

Investigator : Katy Rezvani
Document No. : RM00002650-RN01_AM9
NIH Guidelines Category :
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
[redacted]	No
[redacted]	No
[redacted]	No
[redacted]	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
[redacted]	No	[redacted]
[redacted]	No	[redacted]
[redacted]	No	[redacted]
[redacted]	No	[redacted]
[redacted]	No	[redacted]
[redacted]	No	[redacted]
[redacted]	No	[redacted]
[redacted]	No	[redacted]

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
[redacted]	No
[redacted]	Yes
[redacted]	No
[redacted]	No
[redacted]	Yes
[redacted]	No
[redacted]	No
[redacted]	No

Microbial Agents

Name	Administered to Animals in Vivo
[redacted]	No

Biosafety Level : BSL2

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	18	0	0	0

Investigator : Nitin Jain

Document No. : RM00006693-RN00_AM2

NIH Guidelines Category :

Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Retrovirus	No	Murine gamma retrovirus

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Autologous Primary Human T Cells	No

Biosafety Level : BSL2

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	18	0	0	0

Investigator : Raghu Kalluri

Document No. : TA00000771-RN02_AM3

NIH Guidelines Category :

Agents :

Species	ACUF#	Genes Inserted	Genes Deleted
Mouse	00001033-RN02, 00001540-RN02, 00000949-RN02, 00000949-RN02,00001251-RN03, 00001584-RN01		Strain: Pdpn-tk (Line D); PyMT-MMTV. Pdpn gene promoter drives the expression of tk.

Biosafety Level :

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	18	0	0	0

Investigator : John Victor Heymach

Document No. : RM00000523-RN02_AM19

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
[redacted]	No
	No
	No
	No
	No
	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
[redacted]	No	[redacted]
[redacted]	No	[redacted]
[redacted]	No	[redacted]
[redacted]	Yes	[redacted]
[redacted]	Yes	[redacted]
[redacted]	Yes	[redacted]
[redacted]	Yes	[redacted]

Viral Systems

[redacted]	No	[redacted]

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
[redacted]	No
[redacted]	No
[redacted]	Yes
[redacted]	No
[redacted]	No
[redacted]	No
[redacted]	No
[redacted]	Yes
[redacted]	Yes
[redacted]	Yes
[redacted]	No
[redacted]	No
[redacted]	No
[redacted]	Yes
[redacted]	No
[redacted]	No

Microbial Agents

Name	Administered to Animals in Vivo
[redacted]	Yes
[redacted]	No

Biosafety Level : BSL2

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	18	0	0	0

Investigator : Sadhan Majumder

Document No. : RM00000356-RN02_AM3

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
GCM	No
pTwist	No
CMV expression plasmid: IRES-GFP	No
GCM-VP16	No
CMV expression plasmid: REST	No
CMV expression plasmid: REST-DBD-IRES-GFP	No
CMV expression plasmid: GFP	No
CMV expression plasmid: REST-VP16-IRES-GFP	No
CMV expression plasmid: REST-IRES-GFP	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
adenovirus	Yes	Ad5-REST/NRSF
adenovirus	Yes	Ad5-REST-DBD
retrovirus	Yes	retroviral backbone retro-X Q from Takara
Adenovirus	Yes	Ad5-REST-VP16
adenovirus	Yes	Ad5/CMV

Viral Systems

adenovirus	Yes	Adenovirus Ad5
Lentivirus	Yes	GeneCopoeia psi-H1 lentiviral vector

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
hNT neurons	Yes
NIH 3T3 mouse fibroblast	No
D283 medulloblastoma	Yes
293	No
D341 medulloblastoma	Yes
PC12 Rat pheochromocytoma	No
NT2 neurons	Yes
glioblastoma stem cells	Yes
Daoy medulloblastoma	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E.coli, strain DH5	No

Biosafety Level : BSL2

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	18	0	0	0

Investigator : Yuan Pan

Document No. : RM00005849-RN00_AM57

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
[redacted]	No
[redacted]	No
[redacted]	No
[redacted]	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
[redacted]	No	[redacted]
[redacted]	No	[redacted]
[redacted]	Yes	[redacted]
[redacted]	No	[redacted]
[redacted]	Yes	[redacted]
[redacted]	Yes	[redacted]
[redacted]	Yes	[redacted]
[redacted]	Yes	[redacted]
[redacted]	Yes	[redacted]
[redacted]	Yes	[redacted]
[redacted]	Yes	[redacted]
[redacted]	Yes	[redacted]
[redacted]	Yes	[redacted]
[redacted]	Yes	[redacted]
[redacted]	Yes	[redacted]
[redacted]	No	[redacted]

Viral Systems

Cell Lines

Cell Line

Cell Lines Administered to Animals in Vivo

Cell Lines

[redacted]	Yes
[redacted]	Yes
[redacted]	Yes
[redacted]	Yes
[redacted]	Yes
[redacted]	Yes
[redacted]	Yes
[redacted]	Yes
[redacted]	Yes
[redacted]	No
[redacted]	No
[redacted]	No
[redacted]	Yes
[redacted]	Yes
[redacted]	Yes
[redacted]	Yes
[redacted]	Yes
[redacted]	No
[redacted]	Yes
[redacted]	No
[redacted]	No
[redacted]	No
[redacted]	No
[redacted]	Yes
[redacted]	No
[redacted]	No
[redacted]	Yes
[redacted]	Yes
[redacted]	No
[redacted]	Yes
[redacted]	No
[redacted]	No
[redacted]	No
[redacted]	Yes
[redacted]	No
[redacted]	Yes

Microbial Agents

Name	Administered to Animals in Vivo
[redacted]	No

Biosafety Level : BSL2

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	18	0	0	0

Investigator : Albert Koong

Document No. : RM00002797-RN01_AM4

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
PX458	No
PX459	No
pGL3	No
pcDNA3	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	VSV-G
Lentivirus	No	pLenti
Retrovirus	No	pWZL
Lentivirus	No	pCW
Lentivirus	No	lentiCRISPR v2

Viral Systems

Retrovirus	No	pBabe
Lentivirus	No	pLKO.1
Lentivirus	No	Delta 8.2
Lentivirus	No	phDLX1
Retrovirus	No	Gag-Pol
Retrovirus	No	VSVG
Lentivirus	No	pLX
Adenovirus	Yes	Ad5-CMV
Lentivirus	No	pLEX MCS

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Breast Cancer Cell	Yes
Pancreatic Cancer Cell	Yes
Breast cancer	Yes
Multiple Myeloma Cell	Yes
Esophageal Cancer Cell	Yes
Pancreatic Cancer Cell	Yes
Human embryonic kidney (293T)	No
Lung Cancer Cell	Yes
Breast Cancer Cell	Yes
Pancreatic cancer	Yes
Fibrosarcoma Cell	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E. coli	No

Biosafety Level : BSL2

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	18	0	0	0

Investigator : Sadhan Majumder

Document No. : RM00001132-RN01_AM2

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pRCAS	No
pCMV-NeuroD2	No
pECFP	No
pCAG-HA-Sox2	No
Polyjet DNA in vitro transfection reagent	No
pEGFP	No
pBig2r	No
pYAP6	No
exosome	Yes
pERV3	No
pMXs-hc-Myc	No
pcDNA3.1	No
pGL4.82	No
pRest	No
pNurr1	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	Yes	lentiviral (pGIPz, pReceiver-Lv105, and pEZX-MR03 vector) backbone provided by the commercial company
Adeno Associated Virus	Yes	WPRE2-SpA

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Mesenchymal stem cells	No
glioblastoma stem cells	Yes
Rat dorsal root ganglion cells	No
mesenchymal stem cells	No

Cell Lines

Normal Neural Stem Cells	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E. coli k-12, E. coli DH5a	No

Biosafety Level : BSL2

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	18	0	0	0

Investigator : Raghu Kalluri

Document No. : TA00000767-RN02_AM3

NIH Guidelines Category :

Agents :

Species	ACUF#	Genes Inserted	Genes Deleted
Mouse	00000673-RN02		
Mouse	00001251-RN03		
Mouse	00001068-RN03		
Mouse	00001033-RN02		
Mouse	00001023-RN02		
Mouse	00000949-RN03		
Mouse	00000783-RN03		
Mouse	00000967-RN02		
Mouse	00001058-RN03		
Mouse	00000719-RN03		
Mouse	00001540-RN02		
Mouse	00001735-RN01		

Biosafety Level :

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	18	0	0	0

Investigator : Sadhan Majumder

Document No. : RM00005299-RN00_AM5

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pTwist	No
CMV expression plasmid: REST-VP16-IRES-GFP	No
GCM-VP16	No
CMV expression plasmid: REST-DBD-IRES-GFP	No
CMV expression plasmid: REST-IRES-GFP	No
GCM	No
CMV expression plasmid: REST	No
CMV expression plasmid: GFP	No
CMV expression plasmid: IRES-GFP	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
adenovirus	Yes	Ad5-REST-DBD
Lentivirus	Yes	GeneCopoeia psi-H1 lentiviral vector
adenovirus	Yes	Ad5/CMV
Adenovirus	Yes	Ad5-REST-VP16
retrovirus	Yes	retroviral backbone retro-X Q from Takara
adenovirus	Yes	Ad5-REST/NRSF
adenovirus	Yes	Adenovirus Ad5

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
NT2 neurons	Yes
Daoy medulloblastoma	Yes
293 human embryonic kidney cells	No
hNT neurons	Yes
glioblastoma stem cells	Yes
D283 medulloblastoma	Yes

Cell Lines

D341 medulloblastoma	Yes
NIH 3T3 mouse fibroblast	No
PC12 Rat pheochromocytoma	No

Microbial Agents

Name	Administered to Animals in Vivo
E.coli, strain DH5	No

Biosafety Level : BSL2
Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	18	0	0	0

Investigator : Stephanie S Watowich
Document No. : RM00002256-RN01_AM5
NIH Guidelines Category :
Agents :

Microbial Agents

Name	Administered to Animals in Vivo
Citrobacter rodentium	Yes

Biosafety Level : BSL2
Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	18	0	0	0

Investigator : Xiling Shen
Document No. : RM00007541-RN00_AM8
NIH Guidelines Category :
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pcDNA3	No
pEGFP	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pLVX
Lentivirus	No	pKLV

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Colon	Yes
OT-I CD8+ T cells.	No
Patient derived colon tissue	Yes
Colon patient derived xenograft	Yes
OTII CD4+ T cells.	No
MC38-Ova Cell line	No
Colon patient derived xenograft	Yes
PBMC	No
Colon cell line	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E.coli DH5alpha	No

Biosafety Level : BSL2
Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	18	0	0	0

Investigator : Guillermina Lozano
Document No. : RM00000164-RN02_AM7
NIH Guidelines Category :
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
CMV-Sensor-IRES-puro-Nuclear cpVenus control	No
pKOII	No
CMV-Sensor-IRES-puro-Nuclear sensor	No

Non Viral Systems

pLG1	No
CMV-Sensor-IRES-puro-Mitochondrial sensor	No
pcDNA3	No
CMV-Sensor-IRES-puro-Cytoplasmic Sensor	No
pCMV	No
pCALL2	No
CMV-Sensor-IRES-puro-Cytoplasmic cpVenus control	No
CMV-Sensor-IRES-puro-Mitochondrial cpVenus control	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Retrovirus	No	pBabe-Wnt11
Lentivirus	Yes	pLenti-CRISPR V2
lentivirus	No	pBABE
Lentivirus	No	pGIPZ-puro
Lentivirus	No	GecKov2
Lentivirus	No	pLOC
Lentivirus	No	pLKO.1-puro
Retrovirus	No	pBabe
Adenovirus	Yes	padenoX
Lentivirus	No	pLV-EGFP-T2A:PURO-EF1A
retrovirus	No	pWZL-Blast (similar to pBabe)
retrovirus	No	pMSCV

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
human immortalized fibroblast cell lines	No
pancreatic cancer cell lines	No
lung fibroblasts	No
mouse embryo fibroblasts	No
breast cancer cell lines	No
293T helper cells	No
murine tumor cell lines H76, H318-1, 222, 026-3	Yes
HMECs	No
osteosarcoma cell lines	No
PDX - breast cancer	Yes
liposarcoma cells (LPS)	Yes
lung cancer cell lines	No

Microbial Agents

Name	Administered to Animals in Vivo
E. coli k-12	No
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	18	0	0	0

Investigator : Benjamin Schrank
Document No. : RM00008251-RN00_AM1
NIH Guidelines Category :
Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pBOB
Adenovirus	Yes	pBR322

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
CT26	Yes
4T1	Yes
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	18	0	0	0

Investigator : Hui-Lin Pan
Document No. : RM00000486-RN02_AM3

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pcDNA3	No
PolyJet DNA In Vitro Transfection Reagent	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	Yes	shRNA
Lentivirus	Yes	scrampled control shRNA
Lentivirus	Yes	pGIPZ, pLKO.1, pLenti6/v5
Adeno Associate Virus	Yes	AAV 8
Adeno Associate Virus	Yes	WPRE2-SpA
Rabies virus vectors	Yes	pSADdeltaG-DsRed2

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Rat Dorsal root ganglion cells	No
Human embryonic kidney cells 293-FT	No
PC-12 adrenal gland	No
Human embryonic kidney cells 293	No
F11 cells	No

Microbial Agents

Name	Administered to Animals in Vivo
E-coli-DH5alpha	No

Biosafety Level : BSL2

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	18	0	0	0

Investigator : Christopher Johnston

Document No. : RM00007966-RN00_AM1

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pVoPo-GFP	No
pVoPo-mCh	No
pHS30	No
pHS30-NB.PDL1	No
pHS30-NB.CTLA4	No
pUC19	No
pBRESP36A	No
pCasSA	No
pHS30-N.B.CD40	No
pHS30-N.B.CD47	No
pBDL531	No
pWO	No
pBDL532	No
pFnLux	No
pBDL533	No
pWO_SynMC	No
pBDL534	No
pEPSA5	No
pHS30-Cas	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
Prevotella intermedia	No
Parvimonas micra	No
Escherichia coli	No

Microbial Agents

Escherichia coli DH5alpha	No
Escherichia coli WM6026	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
Fusobacterium	No

Biosafety Level : BSL2

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	18	0	0	0

Investigator : Xiaodong Cheng

Document No. : RM00002655-RN01_AM3

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pFBOH-(LIC, MHL)	No
pGEX (4T-1, 6p1)	No
Pcold I	No
pHR	No
pCMV system (6, Sport6, XL6)	No
pCS2	No
pLJMI-eGFP	No
pET system [15b TEV-c9R, 21a, 22b, 24a(+)-TEV, 28a, 28b, 30a(+)]	No
pMSCV	No
pRK5	No
pcDNA3	No
pENTER	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pLenti CMV/TO Neo DEST
shRNA	No	pGIPZ
Lentivirus	No	pLenti PGK Puro DEST

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Gastric cancer (GA051816, GA080417, GA100218)	No
Chinese Hampster Ovary CHO	No
Breast cancer (MCF7,MDA-MB-231, MDA-MB-453, MDA-MB-468, BT474,BT549, ZR-75-1)	No
Lung cancer cells [A549-luc2 (NSCLC) , NCI-H1299]	No
Breast epithelial cells (MCF10a)	No
Prostate Cancer (PC3, DU145, LNCaP)	No
Diffuse large b cell lymphoma (RIVA, K54, Ly1, Ly7, SU, U293L)	No
Gastric normal cells (GES1)	No
Immortalized human bronchial epithelial cells (BEAS-2B)	No
Human Embryonic kidney cell line HEK293	No
Lung adeno carcinoma (A549)	No

Microbial Agents

Name	Administered to Animals in Vivo
E.coli (BL21, Rosetta, pLysS etc.)	No
E.coli (K-12, DH5a, DH10b)	No

Biosafety Level : BSL2

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	18	0	0	0

Investigator : Aria Vaishnavi

Document No. : RM00006133-RN00_AM21

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pX333	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Retrovirus	No	EV-pBABE, HA-MEK1-pBABE, EGFR-pBABE, HA-EGFR-pBABE, HA-EGFRC797S-pBABE, HER2-pBABE, HER2C805S-pBABE, EGFR-HA-KM-pBABE, pBABE-PURO-ARAF, pBABE-PURO-CRAF
Lentivirus	No	pLV-TRE andp LV-TRE-HA: BRAF, BRAF-V600E, L597Q, D594A, D594V, G464V, G466A, G466E, G466R, G466V, G469A, G469E, G469S, G469V, K601E, K601Q, L597Q, L597V, G464E
Lentivirus	No	pCW57.1-G4-HA-BRAF-EV or V600E-3x-Flag-shBRAF-resistant_PuroR and pCW57.1_G4-BRAF-WT-3X-Flag-PuroR: BRAF, L597Q, D594A, D594V, G464V, G466A, G466E, G466R, G466V, G469A, G469E, G469S, G469V, K601E, K601Q, L597Q, L597V, G464E, and truncEGFR-3X-Flag
Lentivirus	No	pCW57.1_PuroR and pCW57.1_PuroR-HA: BRAF, BRAF-V600E, L597Q, D594A, D594V, G464V, G466A, G466E, G466R, G466V, G469A, G469E, G469S, G469V, K601E, K601Q, L597Q, L597V, G464E, KRAS, KRASS17N
Lentivirus	No	pCW57.1_G4-BRAF-WT-3X-Flag-PuroR and pCW57.1_G4-BRAF-WT-3X-Flag-PuroR: BRAF, BRAF-V600E, L597Q, D594A, D594V, G464V, G466A, G466E, G466R, G466V, G469A, G469E, G469S, G469V, K601E, K601Q, L597Q, L597V, G464E
Lentivirus	No	pCW57.1-G4-HA-BRAF-EV or V600E-3x-Flag-shBRAF-resistant_PuroR and pCW57.1_G4-BRAF-WT-3X-Flag-PuroR: BRAF, L597Q, D594A, D594V, G464V, G466A, G466E, G466R, G466V, G469A, G469E, G469S, G469V, K601E, K601Q, L597Q, L597V, G464E
Lentivirus	No	pCF806_shABC2-puro or -blast
Lentivirus	Yes	UPEC_pegRNA: EV, BRAF-G466E, G466R, G466V, G469A, G49V, G469I, DNMT1, KRASG12D
lentivirus	No	CAG-PCDH, CAG-Rbms3-PCDH, TOP-GFP, pCAG-CRE-GFP-PCDH,
Lentivirus	No	tet-shEGFR1-3, tet-shHER21-3, tet-shRenilla, tet-shEGFR1-2, tet-shHBEGF 1-3, tet-shCRAF 1-3
Lentivirus	Yes	sgNT-CRE, sgLKB1-CRE, sgBIM-CAS9, sgRbms31-5, sgP53-CRE, sgLKB1-CRE, sgEGFR1-5-CRE, Lentis-D2G-28pool/CRE
Lentivirus	No	pLV[Exp]-CMV>tTS/rtTA/Hygro, pLV[Exp]-Bsd-TRE>HA/HA/HA/{hKRAS(S17N)}
Adenovirus	Yes	pAAV-mBraf-G469V
Lentivirus	No	pCW57.1-TRE-CMV-minP-EGFP-PGK-BSD-T2A-Tet-Off; +/-shERBB, shHER2, shHER4
Lentivirus	No	pCW57.1-TRE-CMV-minP-EGFP-PGK-BSD-T2A-Tet-Off; +/- shARAF; shBRAF; shCRAF; TPL2; shREN
Retrovirus	No	pMMLV-hHER2/3xFLAG-hPGK>Bsd., pMMLV-3xFLAG/hHER2(C805S)-hPGK>Bsd, pMMLV-3xFLAG/hHER2_hPGK>Bsd
Retrovirus	No	FLAG-BRAF
Adenovirus	Yes	AdenoCAS9, ADENOEML4-ALK, Ad5.CMV-CRE, Ad5.SPC-CRE
Lentivirus and Retrovirus	No	pCMV-VSVG
Lentivirus	No	pCMV-Delta 8.9
Lentivirus	No	pTR-UEms
Lentivirus	No	pMCL-HA-MAPKK1-11A55B [S218E/S222D], pMCL-HA-MAPKK1-WT,
Lentivirus	No	pLenti-CRISPRv2
Lentivirus	No	PRK5RS-HERCD533
Lentivirus	No	pHAGE and pHAGE-HA: BRAF, BRAF-V600E, L597Q, D594A, D594V, G464V, G466A, G466E, G466R, G466V, G469A, G469E, G469S, G469V, K601E, K601Q, L597Q, L597V, G464E

Viral Systems

Retrovirus	No	FLAG-CRAF-S338A, FLAG-CRAF-R401H, FLAG-BRAF-V600E
Lentivirus	No	pSPAX
Lentivirus	No	ACTIN-SOX2-PGK-CRE, PCDNA3-Myc-IQGAP1, LRP6-pC62
Lentivirus	No	CAG-PCDH
Lentivirus	No	pLV[Exp]-Bsd-TRE>HA/HA/HA/hKRAS, pLV[Exp]-Puro-CMV>EGFP(ns):T2A:Cre, pLV[Exp]-Puro-CMV>mEgfr(ns):T2A:Cre, pLV[Exp]-Puro-CMV>HA/mEgfr:Cre, pLV-EGFP:T2A:Puro-CMV>mEgfr:IRES:Luc2, pLV-EGFP:T2A:Puro-CMV>mEgfr, pLV-Puro-CMV>mEgfr
Lentivirus	No	pFUGW-Pol2-ffLuc2-eGFP

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Lung Cancer	Yes
Subcutaneous connective tissue; Adipose; Areolar	No
Fibroblast	No
Lung Cells	Yes
Lung Cells	Yes
Colorectal Cancer	No
Kidney cells 293T Phoenix Ampho	No
Lung Cancer	Yes
Kidney Cells 293T	No
Pancreatic Cancer	No

Microbial Agents

Name	Administered to Animals in Vivo
E.coli	No

Biosafety Level : BSL2
Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	18	0	0	0

Investigator : Moran Amit
Document No. : RM00006886-RN00_AM1
NIH Guidelines Category :
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
p53 shRNAs pEGFP	Yes

Viral Systems

Virus System	Virus Administered to Animals	Backbones
adenovirus	Yes	pCW57, pHIV, pGIPZ
adenovirus	No	pCW57, pHIV, pGIPZ
ADENO-CRE	Yes	pCW57, pHIV, pGIPZ
Lentivirus	Yes	pCW57, pHIV, pGIPZ

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
oral cancer	Yes
293T	No

Biosafety Level : BSL2
Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	18	0	0	0

Investigator : Raghu Kalluri
Document No. : TA00002328-RN01_AM4
NIH Guidelines Category :
Agents :

Species	ACUF#	Genes Inserted	Genes Deleted
Mouse	00001584-RN01	Rosa26-LSL-CD63-GFP	
Mouse	00001584-RN01	Rosa26-LSL-mEmerald-CD81	
Mouse	00001584-RN01	Rosa26-LSL-mCherry-CD9	

Biosafety Level :

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	18	0	0	0

Investigator : Kathleen Marie McAndrews

Document No. : RM00007830-RN00_AM2

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pPalmitoyl-mTurquoise2	No
pPAmCherry1-C1	No
pCMV6-CD63-GFP	No
pcDNA3-CFP	No
mEmerald-CD81-10	No
mEmerald-CD9-10	No
pCMV6-AC-mGFP	No
pSpCas9(BB)-2A-Puro (PX459)	No
mCherry-CD81-10	No
mCherry-CD9-10	No
pQC membrane Tdtomato IX	No
mCherry-Tsg101	No
mCherry-hALIX	No
pcDNA3.3_mCherry	No
pCMV-Mark3-tGFP	No
pMetLuc-Mem Control	No
pCMV-Mark2-tGFP	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentiviral particles	Yes	pLKO.1 shRNA
Adeno-associated virus	No	p-AAV-sh[control], pAAV.U6.shRNA-Sdc1-1376
Lentivirus	Yes	pCT-CD63-GFP, CMV-hTERT, F-luc/GFP, F-Luc/mcherry, Human CRISPR Knockout Pooled Library (GeCKO v2), Toronto KnockOut (TKO) CRISPR Library - Version 3, CMV-Bsd-CFP
Lentivirus	Yes	pCMV delta R8.2, pCMV-VSV-G, pMD2.G, psPAX2, pLentiCRISPRv2, pLKO.1 GFP shRNA, shYAP1 #1-2, pLenti CMV/TO SV 40 small + Large T (w612-1), pLenti-pHluorin_M153R-CD63
Adenovirus	Yes	Ad-Null, Ad-mCherry-Cre, Ad-GFP-2A-iCRE, Ad-CMV-FLPO,

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Kidney cancer (mouse)	No
Prostate cancer (mouse)	No
Brain cancer (human)	Yes
Brain cancer (mouse)	Yes
Melanoma (human)	Yes
Breast cancer (human)	Yes
Melanoma (mouse)	Yes
Breast cancer (mouse)	Yes
Lung cancer (human)	No
Colon cancer (human)	No
Lung cancer (mouse)	No
Colon cancer (mouse)	No
Fibroblasts (human)	No
Pancreas cancer (human)	Yes
Pancreas cancer (mouse)	Yes
Fibroblasts (mouse)	No
293F	No
293T	No
Prostate cancer (human)	No
Kidney cancer (human)	No

Microbial Agents

Name	Administered to Animals in Vivo
E.coli k-12	No

Biosafety Level : BSL2

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	18	0	0	0

Investigator : Stephanie S Watowich

Document No. : RM00000284-RN02_AM6

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pUAST	No
pRSET	No
pEF-BOS	No
pORF	Yes
pMEX	No
pcDNA3	No
pGL3	No
pcDNA1	No
pEF-FLAG	No
pGL4	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
lentiviral	No	pLKO.1
retroviral	No	pCL
retroviral	No	pMX-IRES-GFP
retroviral	No	pMFG
retroviral	No	pRV
retroviral	No	pCLXSN
retroviral	No	pSFFV
retroviral	No	pBABE-puro
retroviral	No	pREP9
retroviral	No	MSCV2.2
retroviral	No	MSCV-IRES-GFP
retroviral	No	pMIG

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
murine B cell line, Ba/F3	No
murine myeloid progenitor, 32D	No
murine fibroblast, NIH 3T3	No
murine dendritic cell line, D2SC/1	No
human embryonic kidney cell, 293T	No
human dendritic cell, KG-1	No
African green monkey cell, COS	No

Microbial Agents

Name	Administered to Animals in Vivo
E. coli K-12 derivatives	No

Biosafety Level : BSL2

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	18	0	0	0

Investigator : Yuan Pan

Document No. : RM00005849-RN00_AM56

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
[redacted]	No
[redacted]	No
[redacted]	No

Non Viral Systems

[redacted] No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
[redacted]	No	[redacted]
[redacted]	No	[redacted]
[redacted]	Yes	[redacted]
[redacted]	No	[redacted]
[redacted]	Yes	[redacted]
[redacted]	Yes	[redacted]
[redacted]	Yes	[redacted]
[redacted]	Yes	[redacted]
[redacted]	Yes	[redacted]
[redacted]	Yes	[redacted]
[redacted]	Yes	[redacted]
[redacted]	Yes	[redacted]
[redacted]	Yes	[redacted]
[redacted]	Yes	[redacted]
[redacted]	No	[redacted]
[redacted]	Yes	[redacted]
[redacted]	Yes	[redacted]
[redacted]	No	[redacted]
[redacted]	No	[redacted]
[redacted]	No	[redacted]
[redacted]	Yes	[redacted]
[redacted]	No	[redacted]
[redacted]	No	[redacted]
[redacted]	No	[redacted]
[redacted]	Yes	[redacted]
[redacted]	Yes	[redacted]
[redacted]	Yes	[redacted]
[redacted]	Yes	[redacted]
[redacted]	Yes	[redacted]
[redacted]	Yes	[redacted]
[redacted]	Yes	[redacted]
[redacted]	Yes	[redacted]
[redacted]	Yes	[redacted]
[redacted]	No	[redacted]

Viral Systems

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

Cell Lines

Cell Line

Cell Lines Administered to Animals in Vivo

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

No
Yes
No
No
No

No
Yes
No
No
Yes
Yes

Cell Lines

[redacted]	No
[redacted]	Yes
[redacted]	No
[redacted]	No
[redacted]	No
[redacted]	Yes
[redacted]	No
[redacted]	Yes

Microbial Agents

Name	Administered to Animals in Vivo
[redacted]	No

Biosafety Level : BSL2

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	18	0	0	0

Investigator : Lauren Averett Byers

Document No. : RM00000193-RN02_AM2

NIH Guidelines Category :

Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
[redacted]	Yes	[redacted]
[redacted]	No	
[redacted]	No	
[redacted]	No	
[redacted]	No	
[redacted]	No	
[redacted]	No	
[redacted]	No	
[redacted]	No	
[redacted]	No	

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
[redacted]	Yes
[redacted]	No
[redacted]	Yes
[redacted]	No
[redacted]	Yes
[redacted]	No
[redacted]	Yes
[redacted]	Yes
[redacted]	No
[redacted]	Yes
[redacted]	Yes
[redacted]	No
[redacted]	Yes
[redacted]	Yes
[redacted]	Yes
[redacted]	No
[redacted]	No
[redacted]	Yes
[redacted]	Yes
[redacted]	No
[redacted]	Yes
[redacted]	No
[redacted]	Yes
[redacted]	No
[redacted]	No

Cell Lines

	Yes
	Yes
	No
	Yes
	Yes
	No
	No
	No
	Yes
	Yes

Biosafety Level : BSL2

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	18	0	0	0

Investigator : Raghu Kalluri

Document No. : RM00000518-RN02_AM61

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
472997: pD2528-CMV-472997	No
pCMV/SB10	No
mouse Tgfbr2 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
αSMA-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
aSMA-RFP	No
pFLAG CMV 6A Clone 1 (MD 010508)	No
MMTV-cFos-SV40	Yes

Non Viral Systems	
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
pcBFT-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 PelB His6	No

Non Viral Systems

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
pCMVTag4-Dicer	No
pD2538-CMV-mVEGF	No
pCAG-mGFP	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	Backbones
Lentivirus	No	pDual-ACE2, pCMV-VSV-G, psPAX2
Lentivirus Particles	Yes	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
Bacculovirus	No	pCMV-Dest
Simian immunodeficiency virus (SIV)	No	pSIV3, pCMV-VSV-G, psPAX2, pCMV-Luc2-IRES-mCherry, pcDNA3-spike expression
Recombinant vesicular stomatitis virus	Yes	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
Lentivirus	No	Human CRISPR Knockout Pooled Library (GeCKO v2), Toronto KnockOut (TKO) CRISPR Library - Version 3
Adenoassociated virus (AAV)	No	AAV9-mCldn5-o4-shRNA and AAV9-anti-luc-control-shRNA

Viral Systems

Adenovirus	Yes	Premade Adenovirus with ORF of claudin 5 (CLDN5), transcript variant 2 with C terminal Flag and His tag, AD-CMV-Luc, pAD-RFP
Lentivirus	Yes	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
Recombinant vesicular stomatitis virus	Yes	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
Lentivirus	No	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
Retrovirus	No	pBabe, pHIT60, pWZI, pLPC, pMSCV, pLNCX, pRS, pRFP-C-RS, pGFP-V-RS, pUMVC, pBabe-KrasG12D, pLNCX2Scrib, pLPC-scribP305L
Lentivirus	No	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
Lentivirus	Yes	Trp53 donor plasmid, Negative Scramble, gRNA, Scramble Negative, E1a-EGFPCre; gRNA Pdcd1lg2, Tgfbr2, Smad4, Gpc1, Gpc1(hu), CD274 target #1 gene knockout plasmid, gRNA Pdcd1lg2, Tgfbr2, Smad4, Gpc1, Gpc1(hu), CD274 target #2 gene knockout plasmid
Lentivirus	No	GIPZ Lentiviral shRNA Controls, GIPZ Human CD9 shRNA, GIPZ Human CD63 shRNA, GIPZ Human CD81 shRNA, (LV01) U6-gRNA:ef1a-puro-2A-Cas9-2A-tGFP
Adenovirus	Yes	pAdEasy, Ad-Null, Ad-mCherry-Cre, Ad-GFP-2A-iCRE, Ad-DET1, Ad-CMV-FLPO
Lentivirus	Yes	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
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	Cell Lines Administered to Animals in Vivo
Melanoma (mouse)	Yes
Fibroblasts (mouse)	Yes
Fibroblasts (human)	Yes
Colon Cancer (human)	No
Breast Cancer (human)	Yes
Possible COVID+/SARS-CoV-2 specimens (plasma, serum, stool, buffy coat, or urine)	No
Melanoma (human)	No
Breast Cancer (Mouse)	Yes
Brain Cancer (human)	Yes
Exosomes derived from cell lines containing spike protein mRNA	Yes
Prostate Cancer (mouse)	Yes
Colon Cancer (mouse)	Yes
Prostate Cancer (human)	Yes
Kidney Cancer (mouse)	Yes
Lung Cancer (human)	Yes
Pancreas Cancer (mouse)	Yes
Exosomes derived from cell lines transfected with SARS-CoV-2 proteins	Yes
293F	No

Cell Lines

Brain Cancer (mouse)	Yes
Lung Cancer (mouse)	Yes
Bladder Cancer	No
Pancreas Cancer (human)	Yes
Kidney Cancer (human)	Yes
293T	No

Microbial Agents

Name	Administered to Animals in Vivo
Helicobacter mesocricetorum	Yes
Bacteroides thetaiotaomicron	Yes
E.coli k-12	No

Biosafety Level : BSL2

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	18	0	0	0

Investigator : Sadhan Majumder

Document No. : RM00001132-RN01_AM5

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pRCAS	No
pCMV-NeuroD2	No
pECFP	No
pCAG-HA-Sox2	No
Polyjet DNA in vitro transfection reagent	No
pEGFP	No
pBig2r	No
pYAP6	No
exosome	Yes
pERV3	No
pMXs-hc-Myc	No
pcDNA3.1	No
pGL4.82	No
pRest	No
pNurr1	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	Yes	lentiviral (pGIPz, pReceiver-Lv105, and pEZX-MR03 vector) backbone provided by the commercial company
Adeno Associated Virus	Yes	WPRE2-SpA

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Mesenchymal stem cells	No
glioblastoma stem cells	Yes
Rat dorsal root ganglion cells	No
mesenchymal stem cells	No
Normal Neural Stem Cells	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E. coli k-12, E. coli DH5a	No

Biosafety Level : BSL2

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	18	0	0	0

Investigator : Luigi Perelli

Document No. : RM00008252-RN00_AM4

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pCDNA	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pSICO, pHAGE
Adeno-associated virus	Yes	pEMS2158

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
iPSC	Yes
293 T helper cells	No
Kidney cancer cells	No
Brain cancer cells	No

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 : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	18	0	0	0

Investigator : Hui-Lin Pan

Document No. : RM00003170-RN01_AM3

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
NKCC1	Yes
pEGFP	Yes

Viral Systems

Virus System	Virus Administered to Animals	Backbones
AAV2	Yes	WPRE2-SpA
AAV2 hM4	Yes	WPRE2-SpA
Adeno Associate virus	Yes	WPRE2-SpA
AAV2 hM4	Yes	WPRE2-SpA
AAV CRH Cre	Yes	WPRE2-SpA
AAV2 Cre	Yes	WPRE2-SpA
AAV2 hM3	Yes	WPRE2-SpA
AAV-hM4Di	Yes	WPRE2-SpA
AAV8	Yes	WPRE2-SpA
AAV-CMV	Yes	WPRE2-SpA

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
293T cell line	No

Biosafety Level : BSL2

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	18	0	0	0

Investigator : Nicholas Short

Document No. : RM00007676-RN00_AM1

NIH Guidelines Category :

Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	VSV-G, Gagpol, Rev, Transgene

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
PBMC	No

Biosafety Level : BSL2

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	18	0	0	0

Investigator : Paul A Scheet
Document No. : RM00004731-RN00_AM1
NIH Guidelines Category :
Agents :

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
All blood cells	No

Biosafety Level : BSL2
Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	18	0	0	0

Investigator : Raghu Kalluri
Document No. : RM00000518-RN02_AM63
NIH Guidelines Category :
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
472997: pD2528-CMV-472997	No
pCMV/SB10	No
mouse Tgfbr2 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
αSMA-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
aSMA-RFP	No
pFLAG CMV 6A Clone 1 (MD 010508)	No
MMTV-cFos-SV40	Yes
pCMV3-mCD80	No

Non Viral Systems	
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
pcBFT-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 PelB His6	No
PresentER-SIINFEKL (GFP)	No

Non Viral Systems

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
pCMVTag4-Dicer	No
pD2538-CMV-mVEGF	No
pCAG-mGFP	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	Backbones
Lentivirus	No	pDual-ACE2, pCMV-VSV-G, psPAX2
Lentivirus Particles	Yes	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
Bacculovirus	No	pCMV-Dest
Simian immunodeficiency virus (SIV)	No	pSIV3, pCMV-VSV-G, psPAX2, pCMV-Luc2-IRES-mCherry, pcDNA3-spike expression
Recombinant vesicular stomatitis virus	Yes	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
Lentivirus	No	Human CRISPR Knockout Pooled Library (GeCKO v2), Toronto KnockOut (TKO) CRISPR Library - Version 3
Adenoassociated virus (AAV)	No	AAV9-mCldn5-o4-shRNA and AAV9-anti-luc-control-shRNA

Viral Systems

Adenovirus	Yes	Premade Adenovirus with ORF of claudin 5 (CLDN5), transcript variant 2 with C terminal Flag and His tag, AD-CMV-Luc, pAD-RFP
Lentivirus	Yes	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
Recombinant vesicular stomatitis virus	Yes	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
Lentivirus	No	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
Retrovirus	No	pBabe, pHIT60, pWZI, pLPC, pMSCV, pLNCX, pRS, pRFP-C-RS, pGFP-V-RS, pUMVC, pBabe-KrasG12D, pLNCX2Scrib, pLPC-scribP305L
Lentivirus	No	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
Lentivirus	Yes	Trp53 donor plasmid, Negative Scramble, gRNA, Scramble Negative, E1a-EGFPCre; gRNA Pdcd1lg2, Tgfbr2, Smad4, Gpc1, Gpc1(hu), CD274 target #1 gene knockout plasmid, gRNA Pdcd1lg2, Tgfbr2, Smad4, Gpc1, Gpc1(hu), CD274 target #2 gene knockout plasmid
Lentivirus	No	GIPZ Lentiviral shRNA Controls, GIPZ Human CD9 shRNA, GIPZ Human CD63 shRNA, GIPZ Human CD81 shRNA, (LV01) U6-gRNA:ef1a-puro-2A-Cas9-2A-tGFP
Adenovirus	Yes	pAdEasy, Ad-Null, Ad-mCherry-Cre, Ad-GFP-2A-iCRE, Ad-DET1, Ad-CMV-FLPO
Lentivirus	Yes	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
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	Cell Lines Administered to Animals in Vivo
Melanoma (mouse)	Yes
Fibroblasts (mouse)	Yes
Fibroblasts (human)	Yes
Colon Cancer (human)	No
Breast Cancer (human)	Yes
Possible COVID+/SARS-CoV-2 specimens (plasma, serum, stool, buffy coat, or urine)	No
Melanoma (human)	No
Breast Cancer (Mouse)	Yes
Brain Cancer (human)	Yes
Exosomes derived from cell lines containing spike protein mRNA	Yes
Prostate Cancer (mouse)	Yes
Colon Cancer (mouse)	Yes
Prostate Cancer (human)	Yes
Kidney Cancer (mouse)	Yes
Lung Cancer (human)	Yes
Pancreas Cancer (mouse)	Yes
Exosomes derived from cell lines transfected with SARS-CoV-2 proteins	Yes
293F	No

Cell Lines

Brain Cancer (mouse)	Yes
Lung Cancer (mouse)	Yes
Bladder Cancer	No
Pancreas Cancer (human)	Yes
Kidney Cancer (human)	Yes
293T	No

Microbial Agents

Name	Administered to Animals in Vivo
Helicobacter mesocricetorum	Yes
Bacteroides thetaiotaomicron	Yes
E.coli k-12	No

Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	18	0	0	0

Investigator :	Ronald A DePinho
Document No. :	RM00000627-RN02_AM13
NIH Guidelines Category :	
Agents :	

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pMGL	No
pORF9	No
pUC Ori vector (PX330, PX260, PX334)	No
pBluescript KS(-), pBluescript II sk+	No
pENTR223	No
pTTQ18 (pAKTaq)	No
pTRE-Tight	No
pCMV, PCMV deltaR8.74, pCMV5, pCMV6	No
pCDNA, pCDNA3, pCDNA3.1	No
pCAG-pBase	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus/packaging virus	No	pRSV-Rev, pMD2.G, pMD-VSVG; pAX2
Lentivirus	No	pLenti, pTomo, pCCL-cppt-PGK-WPRE
Lentivirus	No	pLV-CMV51-Halo-ARAF, R747-M61-663, pLenti, CRISPR/ Cas9, pLentiCRISPRv2, SMARTvector
Lentivirus/ shRNA	No	pHAGE-EF1a, pLKO, pLKO.1, pRDA_174, pRDA_550, pLenti6.3,pLenti4,pLKO.3G,pHAGE, pLVX

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Mammary gland cell lines (e.g., 4T07, 4T1, HCC1428, HCC1429, HCC1469, HMLE, HS578T,MCF10A)	No
Prostate cell lines derived from metastatic sites (DU145, LNCAP, PC3, PC3M, VCAP)	Yes
Pancreatic cancer cell lines (iKPC, KPC)	Yes
Human endothelial cell lines	No
Embryonal kidney cell lines (293T, 293FT)	No
Fibroblast cell lines	No
Colon cancer cell lines (iAP, iKAP)	Yes
Mouse Embryotic Stem Cells	No
Pancreatic cancer cell lines (BxPC-3, PK 59)	Yes
Prostate cancer cell lines (DX1, PPS, MSKPCa1, MSKPCa2, MSKPCa7)	Yes
APOE3- & APOE4-iPSC-derived neurons and astrocytes	No
Prostate cancer cell lines (DU145, LNCaP)	Yes
Mouse Bone Marrow (Jedi Bone Marrow)	Yes
Colon cancer cell lines (HT-29, SW-480)	Yes
Lung derived from metastatic sites (e.g., H2052, H2B)	No
Mammary gland cells derived from metastatic sites (e.g., HCC1954, MCF7, MDA-MB231, SKBR3)	Yes
Mammary gland ductal carcinoma (e.g., BT459, BT474)	No

Microbial Agents

Name	Administered to Animals in Vivo
E. coli strain 1677	No
HB101 E. coli	No

Biosafety Level : BSL2
Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	18	0	0	0

Investigator : Raghu Kalluri
Document No. : TA00000770-RN02_AM4
NIH Guidelines Category :
Agents :

Species	ACUF#	Genes Inserted	Genes Deleted
Mouse	00001033-RN02		Strain: Pdpn-tk (Lines K, S, and D). Pdpn gene promoter drives the expression of tk.

Biosafety Level :
Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	18	0	0	0

Investigator : Vahid Afshar-Kharghan
Document No. : RM00000420-RN02_AM2
NIH Guidelines Category :
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
TGFB	No
CD39	No
TGFB	No
CD39	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
lentivirus	No	pLVX

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Ovarian cancer	Yes
megakaryocytic cell line	Yes
ovarian cancer	Yes

Biosafety Level : BSL2
Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	18	0	0	0

Investigator : Xi Chen
Document No. : RM00007378-RN00_AM10
NIH Guidelines Category :
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pGL3 basic	No
pcDNA3.1	No
pFlag	No
pHA	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Retrovirus	No	pBABE
Lentivirus	No	pCDH
Lentivirus	No	pLKO.1-shRNA-KRAS
Lentivirus	No	pLVX-ZBP1
Lentivirus	No	pLKO.1-shRNA-MYC
Lentivirus	No	pCRISPR-sgRNA-HRD1.1
Lentivirus	No	pLVX-ZBP1
Lentivirus	No	pCRISPR-sgRNA-IRE1

Viral Systems

Lentivirus	No	pHAGE-MEK
Lentivirus	No	pCRISPR-sgRNA-XBP1
Lentivirus	No	pCRISPR-sgRNA-XBP1
Lentivirus	No	pCDH-SCP3
Lentivirus	No	pCDH-RFP
Lentivirus	No	PCRISPR-sgRNA-SEL1L
Lentivirus	No	pHAGE-AKT
Lentivirus	No	pCRISPR-sgRNA-MYC
Lentivirus	No	pLVX-MYC
Lentivirus	No	pLKO.1-shRNA-KRAS
Lentivirus	No	pCDH-IRE1
Lentivirus	No	pCRISPR-sgRNA-HRD1.1
Lentivirus	No	pHAGE-KRAS
Lentivirus	No	pHAGE-GFP
Lentivirus	No	pCDH-IRE1-V918F
Lentivirus	No	pLKO.1-shRNA-IRE1
Lentivirus	No	pCDH-IRE1-4A mutant
Lentivirus	No	pLKO.1-shRNA-XBP1
Lentivirus	No	pCDH-IRE1-phospho site mutants
Lentivirus	No	pLKO.1-shRNA-SEL1L
Lentivirus	No	pHAGE-XBP1
Lentivirus	No	pLKO.1-shRNA-HRD1
Lentivirus	No	pLKO.1-shRNA-P53
Lentivirus	No	pLVX-SEL1L
Lentivirus	No	pLVX-HRD1
Lentivirus	No	pLKO.1-shRNA-ZBP1
Lentivirus	No	pLVX-P53
Lentivirus	No	pCRISPR-SEL1L
Lentivirus	No	pHAGE
Lentivirus	No	LentiCRISPR
Lentivirus	No	pLVX
Adenovirus	Yes	pacAd5 (9.2-100) sub360
Adenovirus	No	Ad/CMV
Lentivirus	No	pLKO.1-LacZ shRNA
Lentivirus	No	pLKO.1

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Pancreatic cancer	Yes
Breast cancer	Yes
293T cells	No
Pancreatic Cancer	Yes
Lung Cancer	Yes
Colon cancer: LS411N	Yes
Colon cancer: CT26	Yes
Colon cancer: SNU-C2B	Yes
Breast Cancer	Yes
Lung cancer	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E.coli (DH5a)	No
E.coli (Stbl3)	No

Biosafety Level : BSL2

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	18	0	0	0

Investigator : Raghu Kalluri

Document No. : TA00000769-RN02_AM5

NIH Guidelines Category :

Agents :

Species	ACUF#	Genes Inserted	Genes Deleted
Mouse	00001023-RN02, 00001058-RN03		PDDR2-Tk (including line M)

Mouse	00001023-RN02, 00001058-RN03	FAP-Cre
Mouse	00001251-RN03, 00001058-RN03, 00001023-RN02, 00000719-RN02	PDGFRb-tk
Mouse	00001058-RN03, 00000719-RN02	Col4a1
Mouse	00000704-RN02	Zeb1
Mouse	00001068-RN03, 00001023-RN02, 00001058-RN03	Col1a1-tk (including lines K, R)
Mouse	00001023-RN02, 00001058-RN03	PDDR2-Cre (including lines M, K, & R)
Mouse	00001251-RN03, 00001058-RN03	Col1a1
Mouse	00001058-RN03	Zeb1-Floxed
Mouse	00001251-RN03, 00001058-RN03, 00001023-RN02, 00001068-RN03	FAP-TK (including lines T, M)

Biosafety Level :

Meeting Notes : Personnel changes only.

9. ANNUAL REVIEWS

18-yes; 0-no; 0-abstain; 0-recuse

Investigator :	Patrick M Dougherty
Document No. :	RM00006026-RN00_AR003
Investigator :	Frederick F Lang Jr
Document No. :	RM00002732-RN01_AR003
Investigator :	Haoqiang Ying
Document No. :	RM00001887-RN01_AR004
Investigator :	Hind Rafei
Document No. :	RM00007737-RN00_AR001
Investigator :	Haven Rebecca Garber
Document No. :	RM00006061-RN00_AR003
Investigator :	Rafael Casellas
Document No. :	RM00006115-RN00_AR003
Investigator :	Jun-ichi Abe
Document No. :	TA00004000-RN01_AR001
Investigator :	Shilpa S. Dhar
Document No. :	RM00007811-RN00_AR001
Investigator :	Fabien Delerue
Document No. :	TA00007009-RN00_AR002
Investigator :	Jeffrey N Myers
Document No. :	RM00003425-RN01_AR002
Investigator :	Alexandra Ikeguchi
Document No. :	RM00007778-RN00_AR001
Investigator :	Krina Patel
Document No. :	RM00003136-RN01_AR002
Investigator :	Emily Keung
Document No. :	RM00006821-RN00_AR002
Investigator :	Nitin Jain
Document No. :	RM00006693-RN00_AR002
Investigator :	John Andrew Livingston
Document No. :	RM00005349-RN00_AR003
Investigator :	May Daher
Document No. :	RM00006790-RN00_AR002
Investigator :	Min Sup Song
Document No. :	RM00000466-RN02_AR002
Investigator :	Sankaranarayanan Kannan
Document No. :	RM00001964-RN01_AR004

Investigator :	Nicholas Short
Document No. :	RM00007676-RN00_AR001
Investigator :	Shilpa S. Dhar
Document No. :	RM00007812-RN00_AR001
Investigator :	Ju-Seog Lee
Document No. :	RM00003276-RN01_AR002
Investigator :	Padmanee Sharma
Document No. :	RM00000167-RN02_AR002
Investigator :	Sachet Shukla
Document No. :	RM00005758-RN00_AR003
Investigator :	Gregory Friedman
Document No. :	RM00006918-RN00_AR002
Investigator :	Christopher Alvarez-Breckenridge
Document No. :	RM00006080-RN00_AR003
Investigator :	Jin Seon Im
Document No. :	RM00001757-RN01_AR004
Investigator :	Khaled Sanber
Document No. :	RM00007735-RN00_AR001
Investigator :	Uday R Popat
Document No. :	RM00006525-RN00_AR002
Investigator :	Preetesh Jain
Document No. :	RM00005792-RN00_AR003
Investigator :	Jiusheng Yan
Document No. :	RM00000365-RN02_AR004
Investigator :	Yonathan Lissanu
Document No. :	RM00004161-RN01_AR001
Investigator :	Shilpa S. Dhar
Document No. :	RM00007809-RN00_AR001
Investigator :	Demetrios Petropoulos
Document No. :	RM00006923-RN00_AR002
Investigator :	Stephanie S Watowich
Document No. :	RM00000284-RN02_AR002
Investigator :	John Andrew Livingston
Document No. :	RM00006669-RN00_AR002
Investigator :	Juan Fueyo-Margareto
Document No. :	RM00000224-RN02_AR001
Investigator :	Carolyn Hodo
Document No. :	RM00007705-RN00_AR001
Investigator :	Simona Colla
Document No. :	RM00000201-RN02_AR002
Investigator :	Raghu Kalluri
Document No. :	TA00000774-RN02_AR002
Investigator :	George Chen
Document No. :	RM00007777-RN00_AR001
Investigator :	Krina Patel
Document No. :	RM00007655-RN00_AR001
Investigator :	Lauren Colbert
Document No. :	RM00005943-RN00_AR003
Investigator :	Edwin Justin Ostrin
Document No. :	RM00006146-RN00_AR003
Investigator :	Jeffrey J Tarrand
Document No. :	RM00000119-RN02_AR001

10. TERMINATIONS

18-yes; 0-no; 0-abstain; 0-recuse

Investigator :	Swathi Arur
Document No. :	TA00001152-RN02
Investigator :	Anthony Paul Conley
Document No. :	RM00007233-RN00
Investigator :	Elias Joseph Jabbour
Document No. :	RM00004501-RN00
Investigator :	Robert Orlowski
Document No. :	RM00001194-RN01
Investigator :	Joe Simmons
Document No. :	RM00007029-RN00
Investigator :	Priti Tewari
Document No. :	RM00006807-RN00

11. OLD BUSINESS ITEMS

Item	Description	Presenter	Attachments
null			

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 was not in attendance, Arlisa Edwards-Benford was present and counted among the votes.

15. ADJOURNMENT