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

INSTITUTIONAL BIOSAFETY COMMITTEE MINUTES
Recombinant DNA(RM)
Meeting #275
Tuesday, April 14, 2026
Hybrid - In Person Location FCT3 1 and 8 - 1:00 PM

Members Present
Xue Hao, Assistant Professor
Bisrat Godefay Debeb, Associate Professor
Kwong K Wong, Professor
Izabela Fokt, Assistant Professor
Marcos Roberto Estecio, Professor
Xiang-Yang Han, Professor
Shilpa S. Dhar, Assistant Professor
Dina H Ray, Research Nurse Manager
Zahid H Siddik, Professor
Pijus K Mandal, Institute Research Scientist
Chavaun H LeBlanc, Mgr, Environ Health & Safety
Hai T Tran, Associate Professor
Guang Peng, Professor
Rajneesh Pathania, Assistant Professor
Linette M Leadon, Dir, EHS Sustain & Emerg Mgmt
Yang Lu, Supv, Laboratory & Research
Taiping Chen, Professor
Vidya Gopalakrishnan, Associate Professor
Pramod N Nehete, Professor

Members Absent
Tora D Ogunmakin, Assoc Dir, Ambulatory Nursing
Erica J Moore, Assistant Professor
Niki M. Zacharias Millward, Associate Professor
Hesham Amin, Professor
Guocan Wang, Associate Professor
Krithika Srinivasan, Assistant Professor
Jody Swain, Associate Professor
Humam N Kadara, Professor

Community Members Present

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

Others Absent

1. APPROVAL OF THE PAST MEETING MINUTES

Meeting	Votes-Yes	Votes-No	Votes-Abstain	Votes-Recuse
IBC Recombinant meeting on Tuesday, March 10, 2026	17	0	3	0

2. CONFLICT OF INTEREST RECUSAL

Attendee	Project	Comment
Vidya Gopalakrishnan	RM00000443-RN02_AM3	Dr. Gopalakrishnan is the PI of this non-administrative modification.

3. REPORT OF THE ADVERSE EVENTS
Linette Leadon, M.S.; Dir, Fac Mgt EHS Administration - 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	20	0	0	0

Investigator :	Marie-Claude Hofmann
Document No. :	TA00005153-RN01
NIH Guidelines Category :	III-F-8.
Agents :	

Species	ACUF#	Genes Inserted	Genes Deleted
Mouse	00001975-RN02	BRAF (V600E)	trp53

Biosafety Level :	BSL1
Meeting Notes :	The protocol is designed to generate a mouse model of anaplastic thyroid cancer harboring the BRAF V600E mutation and Trp53 knockout. Conditional activation of BRAF V600E and deletion of Trp53 will be achieved using a tamoxifen inducible Cre loxP system. ACUF is current.

BSL 2: NEW PROTOCOLS

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	20	0	0	0

Investigator : Hind Rafei
Document No. : RM00008777-RN00
NIH Guidelines Category : III-D-1-a.
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
sgRNA, crRNA	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
RETROVIRUS	No	pRetro
retrovirus	No	SFG
lentivirus	No	pHAGE - HIV-1 based backbone (2nd generation lentivirus)

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
293T	No
human primary cells - Peripheral blood mononuclear cells	Yes
293GP	No
Patient-derived CRC organoids	Yes
PDX-derived CRC tumor cells	Yes
Colorectal cancer	Yes

Room Numbers

Room No.	Description
2SCR4.2158	Tissue Culture Facility
PPB1.491	Animal Facilities

Biosafety Level : BSL2
Meeting Notes : The PI plans to use de-identified human blood-derived immune cells and de-identified human colorectal cancer (CRC) tumor-derived models to engineer CAR-T cells and evaluate trafficking and persistence using bioluminescence imaging and magnetic particle imaging in vitro and in mouse xenograft models. Lentivirus and retrovirus will be used in vitro. IACUC and IRB protocols are current.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	20	0	0	0

Investigator : Jesse Smith
Document No. : RM00008774-RN00
NIH Guidelines Category : III-D-1-a.
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
LentiCRISPRv2GFP	No
LT3GEPIR	No
shSmad4	No
SREP	No
shNAT2	No
shLAX1	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pLVX, pLKO

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
colon and rectal cancer	Yes
rectal cancer	No

Microbial Agents

Name	Administered to Animals in Vivo
Stbl3 E. Coli (derived from HB101)	No

Room Numbers

Room No.	Description
T4.3827	Research/Non-Class Laboratory- Wet Lab

Biosafety Level : BSL2
Meeting Notes : This study aims to improve precision treatment for rectal cancer by expanding patient-derived tumoroid models. Using matched patient tumors and tumoroids, the project will identify and validate genes associated with chemotherapy response, with a focus on the role of SMAD4 loss in chemoresistance and tumoroid biology. Functional assays will be performed using RNAi and CRISPR-Cas9 perturbations in vitro. IACUC and IRB protocols are current.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	20	0	0	0

Investigator : Dai Chihara
Document No. : RM00008768-RN00
NIH Guidelines Category : III-C-1.
Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	HIV-1

Cell Lines

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

BSL 2: NEW PROTOCOLS

Room Numbers

Room No.	Description
P14.2910	Diagnostic Service Laboratory
P14.3140	Diagnostic Support Laboratory Service

Biosafety Level : BSL2

Meeting Notes : The primary endpoint of the study is to compare the efficacy of ronde-cel, an investigational CD19/CD20 CAR T-cell therapy, to the CD19 CAR Tcell therapies (axi-cel or liso-cel) based on event-free survival, disease progression, failure to achieve a response after CAR T-cell therapy administration in refractory/relapsing Large B-Cell lymphoma. IRB protocol is current.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	20	0	0	0

Investigator : Moran Amit

Document No. : RM00008802-RN00

NIH Guidelines Category : III-C-1.

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
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 : This protocol describes a first-in-human Phase I clinical study evaluating retrovirally engineered TROP2-CAR NK cells with additional genetic modifications, including IL-15 expression and TGFBR2 knockout, for the treatment of patients with premalignant oral lesions. The use of an inducible suicide gene (iC9) is an important safety feature that partially mitigates risks associated with persistence and off-target effects. IRB approval is pending.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	20	0	0	0

Investigator : Irfan Asangani

Document No. : RM00008796-RN00

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

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
PUC57	No
pDUET	No
pGEX-4T2	No
pFN21	No
BioID (Proximity-dependent Biotin Identification)	No
pcDNA3.1	No
pJS60	No
pFB2	No
pcDNA3.1	No
pCAG	No
pEGFP	No
pFN21A	No
pFB2F	No
pFB2D	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pLX307, pLX304, pLVX, pAW12, pMSCV, LentiCRISPRv2GFP, pXPR, LentiEF1a-dTAG, pLenti, pWZL, pLX-TRE-dCas9-KRAB-Mecp2, pLentiV, lentiguide DKO, Lenti-Cas9-V2, psPAX2, pHR, pMD2G

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
SKNMC_Neuroepithelioma	Yes
22Rv1 (prostate carcinoma)	Yes
LHSR (prostate epitelial cell line)	Yes
A549 Non-small cell lung carcinoma	Yes
VCaP (epithelial prostate cancer)	Yes
A673 (Ewing Sarcoma)	No
KPY	Yes
Calu-1 Lung Squamous Cell Carcinoma Cell Line	Yes

BSL 2: NEW PROTOCOLS

Cell Lines

LnCap (prostate cancer)	Yes
DU145 (prostate cancer)	Yes
HEK293T (human embryonic kidney cell line)	No
MyC-CaP prostate cancer	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E.coli DH5 alpha	No

Room Numbers

Room No.	Description
4SCR2.2085	Research/Non-Class Laboratory- Wet Lab

Biosafety Level : BSL2

Meeting Notes : The goal of proposed research is to explore therapeutic vulnerabilities of prostate cancers. Human and mouse cell models will be used with standard molecular biology techniques to modulate gene/protein expression for functional assays. That will be accomplished by using viral and non-viral system with cell lines in vitro, and a large list of recombinant rDNAs is provided. Selected cell lines will be administered to animals in vivo. ACUF is current however an amendment updating the PI is under review.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	20	0	0	0

Investigator : Abhinav Jain

Document No. : RM00005075-RN01

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

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pCEp4-Myc,Lin28	No
GST-TDRKH-C	No
pENTR4-FLAG	No
pCMV-Flag2-TRIM24-308/9	No
GST-TDRKH-B	No
pENTR-Trim24-dBB2	No
GST Trim24+TEV	No
pENTR-TOPO-TDRKH	No
p53R175PpcDNA3.1nV5	No
p53S315ApcDNA3.1nV5	No
hCas9D10A_GFP	No
GST-TDRKH-D	No
FlagTrim24 C840W/F869D/F979A/N980A	No
pENTR-TOPO-TDRKH-C	No
pENTR-DTOPO-WT Trim24 308/309 FLAG	No
pENTR-Flag-T24	No
pENTR-TOPO-TDRKH-D	No
GST-TDRKH-eTUD	No
pENTR1A-GFP-N2 (FR1)	No
pcDNA3.1-nV5 TDRKH-E	No
pCS2-Trim24-3HA	No
pCDNA3-FLAG-LSD1	No
p53K373RpcDNA3.1nV5	No
FlagTrim24 F979/N980A shRESCUE	No
pENTR4-V5	No
pCMX-HA-TDRKH	No
pENTR-FLAG-T24	No
SIRT6 Flag	No
p53deltaCpDEST15-GST	No
pENTR-FLAG-T24-RING	No
pCMX-FlagTDRKH I47-N	No
Flag-Trim24C840W shRESCUE	No
pENTR-TOPO-TDRKH-B	No
pCMX-Flag-TDRKH	No
pENTR-TOPO-TDRKH-E	No
GST-TDRKH-E	No
pENTR-T24-dBBC	No
FlagTrim24 C840W	No
pcDNA3.1-nV5-TDRKH	No
GST Trim24	No
pENTR-FLAG-T24-dBB1	No
FlagTrim24F869D shRESCUE	No
FlagTrim24 F869D	No
pENTR-DTOPO-eGFP-T24 723R/741R-Flag	No
pCMX-FlagTDRKH-I75N	No
pX330-U6-Chumeric_BB-CBh-hSpCas9	No
p53R175PpDEST15-GST	No
Flag Trim28	No
Flag Trim24 DeltaRing	No
pENTR-FLAG-T24-dRING	No
pCS2-Trim24-3HA-308/9	No
pENTR-Trim24-dPHD	No
pENTR-FLAG-T24-dBB2	No
TetR-pENTR1A	No
pENTR	No

BSL 2: NEW PROTOCOLS

Non Viral Systems

pLOC-TDRKH (stop)	No
pENTR-DTOPO-eGFP-WT T24-FLAG	No
HA-Trim28 Delta Ring	No
pDEST-20	No
pLOC-hTDRKH-nostop	No
pENTR-FLAG-T24-dN	No
pENTR4-Flag-M12L-Trim24 308/9	No
pDEST15-GST	No
pENTR4-GST-6p-1	No
pDEST	No
pCMX-myc-TDRKH	No
p53DeltaCpcDNA3.1nV5	No
pX330-U6-Chimeric_BB-CBh-hSPCas9	No
pSpCAS9n(BB)-2A-GFP	No
pENTR-T24-dBB1	No
pENTR4-GFP-C1	No
pCEp4-Oct4,Sox2, SV40LT, Klf4	No
pRL-TK	No
Flag-Trim24	No
FlagTrim24 shRESCUE	No
pCMX-FLAG TDRKH shRESCUE	No
pENTR4-Flag-M12L-Trim24	No
FlagTrim24 C840W/F869D/F979A/N980A shRESCUE	No
pCMV-Flag2	No
pBABE-HOTAIRM1	No
p53R175HpcDNA3.1nV5	No
pCMX-Flag-TDRKH D390/F391-A	No
p53S315ApDEST15-GST	No
EHMT1(GLP)-pET28a	No
pENTR-FLAG-T24-dPHD	No
GST-TDRKH	No
pCMX-FLAG-TDRKH I75/I147-N	No
pENTR-Trim24dRING	No
pENTR-T24-RING	No
WTp53pDEST15-GST	No
pENTR-TOPO-TDRKH-eTUD	No
GST Trim24Delta Ring	No
pENTR-FLAG-T24-dBBC	No
FlagTrim24 F979A/N980A	No
pGL3	No
pENTR-TOPO-TDRKH-C	No
pCEP4 -Oct4,Sox2, Klf4, Nanog	No
p53WT pCDNA3.1nV5	No
pcDNA3.1/nV5-DEST	No
p53R175HpDEST15-GST	No
pENTR4-noccdB	No
OCT4-eGFP-2A-puro	No
p53K373RpDEST15-GST	No
pCMV-Flag2-TRIM24	No
pENTR-T24	No
pENTR-AIF	No
pCS2-3HA	No
pENTR-T24-dN	No
pSIMPLEll-U6-tracr-U6-BsmM1-NLS-NmCAS9-HA-NLS	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Baculovirus	No	pDONR221,pFastBac1
Lentiviral	No	pGIPZ, pTRIPZ, pLENTI, pLKO, pLENTI6, pLPNF, pLX304,LentiCRISPR-V2, pINDUCER, pXPR, pHAGE, LentiGuide-puro, LentiCas9-Blast, psPAX2/pMD.2 (lentiviral packaging and envelop expressing plasmids)
Retrovirus	No	pMXs, pMIG, pMSCVpuro, pBABE, pQCXIP

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
MDA-MB-361 (metastatic breast adenocarcinoma)	No
Dermal Fibroblasts	No
HFF-1 (human foreskin fibroblasts)	No
HepG2 (hepatocellular carcinoma)	No
HCC2218 (breast ductal carcinoma)	No
NIH3T3 (MEF line)	No
U2OS (osteosarcoma)	No
Sf9: S. frugiperda ovarian tissue	No
MCF12A (breast fibrocystic)	No
MDA-MB-175-VII (Breast Cancer)	No
4T1 (mouse mammary tumor)	No
PLAT-E (293T based)	No
HCC70 (breast ductal carcinoma)	No
MDA-MB-157 (Breast cancer)	No
HEK 293 (kidney cells)	No
MEF (mouse embryonic fibroblasts)	No

BSL 2: NEW PROTOCOLS

Cell Lines

293T (embryonic kidney)	No
293 FT (embryonic kidney)	No
H9- ES cells	No
HeLa (cervical cancer)	No
MCF7 (breast adenocarcinoma)	No
H1- ES cells	No
DU4475 (breast cells)	No
MCF10A (breast fibrocystic)	No
MDA-MB-436 (metastatic breast adenocarcinoma)	No
T47d (mammary ductal carcinoma)	No
SKBR3 (breast adenocarcinoma)	No
HMEC (human mammary epithelial cells)	No

Microbial Agents

Name	Administered to Animals in Vivo
E. coli TOP10	No
E. Coli BL21	No
E.coli Stbl3	No
E. coli DH5a	No

Room Numbers

Room No.	Description
S9.8230	Tissue Culture Facility
S9.8414	Research/Non-Class Laboratory- Wet Lab

Biosafety Level : BSL2

Meeting Notes : Renewal of protocol to study interactions of p53 and p53-regulated long non-coding RNAs (lncRNAs) and chromatin modifiers such as TRIM24 and TDRKH functions using mammalian cells (such as hESC lines, various cancer lines, etc.). Cell lines generated from the protocol will not be used in mice. Standard methods used in protocol.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	20	0	0	0

Investigator : Bora Lim

Document No. : RM00008797-RN00

NIH Guidelines Category : III-C-1.

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
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 1b/2 study protocol is to evaluate the safety, tolerability, and efficacy of TROP2 CAR NK cells, alone or in combination with trastuzumab deruxtecan, in patients with treatment refractory breast cancers. A retroviral vector encoding an anti TROP2 CAR is used to transduce umbilical cord blood–derived natural killer cells to generate TROP2 CAR NK cells. The engineered TROP2 CAR NK product is shipped to MDACC, where it will be infused into patients. Protocol is pending IRB review and approval.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	20	0	0	0

Investigator : Frederick F Lang Jr

Document No. : RM00008574-RN00

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

Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
[redacted]	Yes	[redacted]

Cell Lines

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

Room Numbers

Room No.	Description
S1.8436	Animal Facilities
P14.3016	Diagnostic Support Laboratory Service
S5.8430	Tissue Culture Facility

Biosafety Level : BSL2

BSL 2: NEW PROTOCOLS

Meeting Notes : This study expands on their previous discovery that treatment of glioma-bearing mice with [redacted] loaded with the [redacted] resulted in extended survival and eradication of tumors, findings that supported an ongoing clinical trial. Here, they evaluate the in vivo efficacy of the clinical trial-grade agents [redacted] or [redacted], in animals implanted with [redacted] according to an approved IACUC protocol. After 10 days of treatment with agents, mice will be euthanized, and brain tissues will be collected for processing. IRB included due to holding of reagents and samples from clinical trial.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	20	0	0	0

Investigator : Hind Rafei
Document No. : RM00008813-RN00
NIH Guidelines Category : III-D-1-a.
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
sgRNA, crRNA	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
RETROVIRUS	No	pRetro
retrovirus	No	SFG
lentivirus	No	pHAGE - HIV-1 based backbone (2nd generation lentivirus)

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Human pancreatic stellate cells (hPSCs)	Yes
Normal fibroblasts	Yes
Normal fibroblasts	Yes
cancer-associated fibroblasts	Yes
293T	No
human primary cells - Peripheral blood mononuclear cells	Yes
293GP	No
Patient-derived kidney cancer organoids	Yes
PDX-derived kidney cancer cells	Yes
kidney cancer	Yes
cancer-associated fibroblasts	Yes

Room Numbers

Room No.	Description
2SCR4.2158	Tissue Culture Facility
PPB1.491	Animal Facilities
1CP1.30349	Office

Biosafety Level : BSL2
Meeting Notes : The goal of the research is to improve cell-based immunotherapy for renal cell carcinoma by engineering T cells to more effectively target and kill tumor cells. The experimental plan will involve (a) expanding T cells from human donor PBMCs, (b) engineering donor human T cells to express one of several CARs listed in the protocol, (c) testing CAR-T cells against renal cell carcinoma models in vitro, (d) assess how hypoxia and cancerassociated fibroblasts suppress CAR-T activity (e) evaluate whether belzutifan, other chemotherapy drugs, or genetic modifications will improve CAR-T function and (f) study tumor killing, T-cell function, persistence, infiltration, and safety in vitro and in mouse models or renal cell carcinoma. Viral and non-viral agents will be utilized in vitro. IACUC is current, and IRB approval is pending.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Tabled	20	0	0	0

Investigator : Sachet Shukla
Document No. : RM00008635-RN00
NIH Guidelines Category : NA
Agents :

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
A549 cells- human lung carcinoma cell line	No
THP-1 human monocytic leukemia cell line	No

Room Numbers

Room No.	Description
2SCR4.2157	Tissue Culture Facility
2SCR4.2162	Tissue Culture Facility

Biosafety Level : BSL2
Meeting Notes : The goal of proposed research is to identify tumor antigens than can elicit strong immune response. The agents include two non-primary human cell lines, and inactivated Lassa virus that will be received from UTMB. There are several contingencies from EHS that will be labeled as scientific, including the addition of the detailed virus inactivation protocol.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	20	0	0	0

Investigator : Phuoc Tran
Document No. : RM00008781-RN00
NIH Guidelines Category : III-D-4-b.
Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	Yes	pLL3
Lentivirus	No	p156RRL-sinPPT-CMV-GFP-PRE/Nhe I (pLenti CMV GFP Puro (658-5)). pLenti-MP2 (pLV-mCherry). FUGW (FUGW ECFP).
Lentivirus	No	pLV[Exp]-EGFP:T2A:Puro-CMV>hTNIK[NM_015028.4]

BSL 2: NEW PROTOCOLS

Viral Systems

Adenovirus	Yes	Human Adenovirus Type5 (dE1/E3) , pAd5PL-DEST-rCGRPCre, G0166 pAd5CMVCreMT1pA, pAd5PL-DEST-mCC10Cre, pAd5PL-DEST-mSPCCre

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
293T	No
Murine lung cancer cell lines	No
Murine pancreatic cancer cell lines	No
Human liver cancer cell lines	No
Human lung cancer cell lines	No
Human pancreatic cancer cell lines	No
Murine prostate cancer cell line	Yes
Human prostate cancer cell line	No
Human prostate normal cell line	No
Human lung normal cell lines	No

Microbial Agents

Name	Administered to Animals in Vivo
E. coli: DH5-alpha, Stbl3	No

Room Numbers

Room No.	Description
Z7.4031C	Flex Wet Lab
SB.8212	Animal Facilities

Biosafety Level : BSL2

Meeting Notes : The lab will use lentivirus or adenovirus to deliver DNA plasmids encoding either an sgRNA pool or EMT genes into commercial cell lines and to animals by aerosol inhalation. Cells will be selected using antibiotic resistance or fluorescent expression markers. Bulk cell populations will be selected and then injected into mice to generate tumor clones. An amendment is under IACUC review that updates the PI.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	20	0	0	0

Investigator : Michael Curran

Document No. : RM00005041-RN01

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

Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Retrovirus	Yes	MLV

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Phoenix-GP	No

Room Numbers

Room No.	Description
PPB1.514	Animal Facilities
SCR3.2159	Tissue Culture Facility
SCR3.2157	Tissue Culture Facility
PPB1.507	Animal Quarters Service

Biosafety Level : BSL2

Meeting Notes : The goal of the project is to compare two novel approaches to vaccination against Nipah virus to determine which most potently evokes immune protection. A retrovirus system that is lab generated will be used and administered to animals. This project does not involve the use of Nipah Virus in any whole or attenuated form. ACUF is current.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	20	0	0	0

Investigator : Richard Wood

Document No. : RM00000430-RN03

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

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

BSL 2: NEW PROTOCOLS

Non Viral Systems

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

Microbial Agents

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

Room Numbers

Room No.	Description
4SCR4.1101	Chemical Fume Hood Room
4SCR4.1130	Research/Non-Class Laboratory- Wet Lab
3SCR2.3204	Research/Non-Class Laboratory- Wet Lab
4SCR4.1135	Research/Non-Class Laboratory- Wet Lab
3SCR2.3205	Research/Non-Class Laboratory- Wet Lab
4SCR4.1189	Tissue Culture Facility

Biosafety Level : BSL2

Meeting Notes : The objective of the study is to discover the functions and properties of three human DNA polymerases for which the corresponding genes have been isolated in the PI's laboratory. shRNAs will be introduced into human and mouse cell lines by chemical transfection or viral transduction to knock down genes of interest to study the effects of the gene on cellular processes. The project does not include work in animals.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	20	0	0	0

Investigator : Richard Wood

Document No. : RM00000432-RN03

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

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pTSIGN	No
TR4-2	No
pPyTFOLK	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
adenovirus	No	Ad5-CMV-EGFP, Ad5-CMV-Cre-EGFP
retrovirus	No	pOZ

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
293T human embryonic kidney	No
mouse embryonic fibroblasts	No

BSL 2: NEW PROTOCOLS

Microbial Agents

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

Room Numbers

Room No.	Description
4SCR4.1189	Tissue Culture Facility
3SCR2.3205	Research/Non-Class Laboratory- Wet Lab
4SCR4.1130	Research/Non-Class Laboratory- Wet Lab
3SCR2.3204	Research/Non-Class Laboratory- Wet Lab
4SCR4.1135	Research/Non-Class Laboratory- Wet Lab
4SCR4.1101	Chemical Fume Hood Room

Biosafety Level : BSL2

Meeting Notes : This protocol focuses on understanding the role of the REV3L gene. The protocol proposes to use mouse cell lines in which REV3L gene function can be deleted at will, and to test directly the role of the gene in genome maintenance and cell survival. An adenovirus and retrovirus system will be used with cell lines. No animal work included.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	20	0	0	0

Investigator : Hind Rafei

Document No. : RM00008806-RN00

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

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
sgRNA, crRNA	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
RETROVIRUS	No	pRetro
retrovirus	No	SFG
lentivirus	No	pRRL, pCCL, pLV, pHAGE - HIV-1 based backbone (2nd generation lentivirus)

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
293T	No
human primary cells - Peripheral blood mononuclear cells	Yes
293GP	No
Patient-derived ovarian cancer organoids	Yes
PDX-derived ovarian cancer cells	Yes
Ovarian cancer	Yes

Room Numbers

Room No.	Description
2SCR4.2158	Tissue Culture Facility
PPB1.491	Animal Facilities

Biosafety Level : BSL2

Meeting Notes : The objective is to engineer CAR-T against ovarian cancer, using lentiviral/retroviral systems, CRISPR reagents, human primary PBMCs, ovarian cancer models, organoids, and mouse xenografts. ACUF is current, and IRB is pending review and approval.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	20	0	0	0

Investigator : Samer Srour

Document No. : RM00008800-RN00

NIH Guidelines Category : III-C-1.

Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Retrovirus used in generation of cell therapy product	No	MSGV1 (MSCV-based splice-gag)

Cell Lines

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

Room Numbers

Room No.	Description
P14.2910	Diagnostic Service Laboratory

Biosafety Level : BSL2

Meeting Notes : The PI plans to evaluate the safety of escalating doses of LNK001 CAR-T in patients with advanced or metastatic clear cell renal cell carcinoma, by determining dose-limiting toxicities and the maximum tolerated dose to establish the recommended dose for expansion. Eligible patients undergo apheresis for GMP manufacture of autologous LNK001 CAR T cells using a non replicating gamma retroviral vector, followed by lymphodepleting chemotherapy, single LNK001 infusion, and post treatment safety and efficacy monitoring. IRB protocol is approved.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	20	0	0	0

Investigator : Michael Andreeff

Document No. : RM00008819-RN00

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

Agents :

BSL 2: NEW PROTOCOLS

Viral Systems

Virus System	Virus Administered to Animals	Backbones
lentivirus	No	pAdEasy, pLOC, pLKO

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
iMSC (iPSC derived MSC)	Yes
HEK 293 T	No
human induced pluripotent stem cells (hiPSC)	No

Microbial Agents

Name	Administered to Animals in Vivo
E.Coli. DH5a	No

Room Numbers

Room No.	Description
T6.3846A	Tissue Culture Facility
T6.3948A	Tissue Culture Facility
T6.3948	Research/Non-Class Laboratory- Wet Lab
T6.3948B	Non_Class Lab Service
S1.8214	Animal Facilities
S1.8215	Animal Facilities

Biosafety Level : BSL2

Meeting Notes : The project is aimed to use lentivirus and/or adeno associated virus-based vectors for stable insertion of gene of interest in human induced pluripotent stem (iPS) cells. The gene of interest includes various human cytokines/chemokines/shRNA/siRNA/miRNA to specifically target tumor microenvironment. The iPS cells will then be differentiated into mesenchymal stromal cells (iMSC) for in vitro characterization and for in vivo tumor (mice models) studies. ACUF is current.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	20	0	0	0

Investigator : Rodrigo Romero

Document No. : RM00008749-RN00

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

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pSB13	No
SuperPiggyBac	No
pUC19	No
pCMV FlpE	No
pCMV FlpO	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	ipUSPS-C; ipUSPS-C dual sgOlfr102; ipUSPS-C sgPten sgRb1; ipUSPS-C sgRb1 sgPten.
Lentivirus	No	psPAX.2
Lentivirus	No	LVt-noAg-cMyc (T58A)-EGFP; LVt-loSIIN-cMyc (T58A)-2A-EGFP; LVt-noAg-cMyc (T58A, 25%rare codon)-EGFP; LVt-loSIIN-cMyc (T58A, 25% rare codon)-2A-EGFP
Lentivirus	No	LVt-ipUSEmS-sgTrp53-sgOlfr102.1; LVt-ipUSEmS-sgTrp53-sgSetd2.2; LVt-ipUSEmS-sgTrp53-sgPbrm.1; LVt-ipUSEmS-sgTrp53-sgBap1.1
Lentivirus	No	pMD2.G
Lentivirus	No	LVt-EF1A-cMyc-P2A-EGFP; LVt-EF1A-cMyc (T58A)-P2A-mScarlet; LVt-EF1A-cMyc (T58A)-P2A-Thy1.1; LVt-Ubc-cMyc (T58A)-P2A-EGFP; LVt-ARR2PB-cMyc (T58A)-P2A-EGFP
Lentivirus	No	LVt-ipUSEmS-sgTrp53-sgRb1.2; LVt-ipUSEmS-sgTrp53-sgPten.1; LVt-ipUSEmS-sgTrp53-sgPbrm1.2; LVt-ipUSEmS-sgTrp53-sgBrca2.1
Lentivirus	No	pWatermelon backbone
Lentivirus	No	MSCV-Trp53-R270H-IRES-EGFP-P2A-mScarlet; MSCV-Trp53-R270H-IRES-EGFP-P2A-mScarlet SIINFEKL
Lentivirus	No	LVt-ipUSEmS-sgTrp53-sgCdk12.1; LVt-ipUSEmS-sgTrp53-sgCdk13.1; LVt-ipUSEmS-sgTrp53-sgNf2.1; LVt-ipUSEmS-sgNf2.1-sgSetd2.2
Retrovirus	No	pSL21
Lentivirus	No	LVt-noAg-Trp53-R270H-EGFP; LVt-LoSIIN-Trp53-R270H-2A-EGFP
Lentivirus	No	LVt-ipUSEmS-sgCdkn2a-sgSetd2.2; LVt-ipUSEmS-sgCdkn2a-sgPbrm1.2; LVt-ipUSEmS-sgCdkn2a-sgBap1.1; LVt-ipUSEmS-sgCdkn2a-sgPten.
Lentivirus	No	LVt-EF1A-mAR-P2A-mScarlet; LVt-EF1A-mAR-V4-P2A-mScarlet
Lentivirus	No	LVt-ipUSEmS-sgPbrm1.2; LVt-ipUSEmS-sgTsc1.1-sgPbrm1.2; LVt-ipUSEmS-sgPbrm1.2-sgSetd2.2; LVt-ipUSEmS-sgBap1.2-sgBap1.1
Lentivirus	No	LVt-PGK-DD-3XFLAG-Ascl1-IRES-mScarlet; LVt-PGK-DD-3XFLAG-Ascl1ERT2-IRES-mScarlet; LVt-EF1A-mScarlet-Ascl1 3'UTR
Lentivirus	No	UT4GEPIR empty; UT4GEPIR shRen.713; UT4GEPIR shRb1.5; UT4mSEPIR empty; UT4mSEPIR-Ascl1; UT4mSEPIR-Neurod1
Lentivirus	No	LVt-ipUSEPR-sgAscl1.1-sgAscl1.2 (CRISPRa/i); LVt-ipUSEPR-sgNeurod1.1-sgNeurod1.2 (CRISPRa/i); LVt-ipUSEPR-sgPou2f3.1-sgPou2f3.2 (CRISPRa/i); LVt-ipUSEPR-sgYap1.1-sgYap1.2 (CRISPRa/i)
Lentivirus	No	UT4mSEPIR-shRen.713; UT4mSEPIR-shRb1.5; UT4mSEPIR-shAscl1.1; UT4mSEPIR-3xHA-Ascl1; UT4mSEPIR-3xHA-Rb1
Lentivirus	No	UT4mSEPIR-3xHA-Rb1-P2A-mScarlet; UT4mSET-shRb1.5; UT4mSET-3xHA-Ascl1; UT4mSET-3xHA-Rb1

BSL 2: NEW PROTOCOLS

Viral Systems

Lentivirus	No	EF1A CRISPR UMI; EFS CRISPR UMI; LVt CRISPR UMI V3 Cre Phase 1; LVt CRISPR UMI V3 mScarlet Phase 1; LVt CRISPR UMI V3 tagBFP Phase 1
Lentivirus	No	LVt-no-SIIN (miR-E); LVt-hi-SIIN empty (miR-E); LVt-hi-SIY empty (miR-E); LVt-hi-VVYALKR empty (miR-E); LVt-mScarlet (dim-no antigen) empty miR-E; LVt-dim-SIIN empty; LVt-dim-SIY empty; LVt-dim-VVYALKR empty
Lentivirus	No	UT4-3X-HA-tNGFR-TEPIR; UT4-3X-HA-Rb1-TEPIR; UT4T-P2A-3X-HA-tNGFR-EPIR; UT4T-P2A-3X-HA-RB1-EPIR
Lentivirus	No	LVt CRISPR UMI V3 Cre Phase 2; LVt CRISPR UMI V3 mScarlet Phase 2; LVt CRISPR UMI V3 tagBFP Phase 2
Lentivirus	No	UT4-SNAPtag-RB1-EPIR; UT4-RB1-SNAPtag-EPIR; UT4-Thy1.1-P2A-3X-HA-DNTfdp1-EPIR; UT4-Thy1.1-P2A-3X-HA-AFOS-EPIR
Lentivirus	No	LVt CRISPR UMI V3 Cre Phase 3; LVt CRISPR UMI V3 mScarlet Phase 3; LVt CRISPR UMI V3 tagBFP Phase 3; pSL21-UMI-V2 Phase 3
Lentivirus	No	LVt-mScarlet (hi-no antigen) shPten.1 (miR-E); LVt-hi-SIIN shPten.1 (miR-E); LVt-dim-SIIN shPten.1 (miR-E); LVt-hiSIIN shRb1.2 (miR-E); LVt-dimSIIN shRb1.2 (miR-E)
Lentivirus	No	Lenti PerTUBAseq; Lenti PerTUBAseq with direct capture stem loop; Lenti PerTUBAseq V2 with direct capture stem loop
Lentivirus	No	Third Generation Lentiviral Expression Plasmid from Didier Trono (Addgene)
Lentivirus	No	LVt-HIF reporter; LVt-HIF reporter V2.0; LVt-noAg-Hif1a-EGFP; lenti-NGS-Wnt; pLV-loxP-dsRed-loxP-GFP
Lentivirus	No	LVt-loSIIN empty (miR-E); LVt-loSIIN shPten.1 (miR-E); LVt-loSIIN shRb1.2 (miR-E); LVt-loSIIN shVhl.3 (miR-E); LVt-loSIIN shTrp53 (miR-E)
Lentivirus	No	pUSEG; pUSEV; pUSET; pUSPG; pUSPmNG; pUSEPR; pUSEBB; pUSEBP; pUSEmS
Lentivirus	No	pEM040
Lentivirus	No	LVt-loSIIN-cMyc; LVt-loSIIN-cMyc-UMI; LVt-noSIIN-cMyc (neoantigen clonable BamHI/BsrGI); LVt-hi_no-antigen-cMyc-EGFP
Lentivirus	No	LVt-noSIIN shVhl.3 (miR-E); LVt-hiSIIN shVhl.3 (miR-E); LVt-noSIIN shTrp53 (miR-E); LVt-noSIIN shTrp53 (miR-30a); LVt-hiSIIN shTrp53 (miR-30a); LVt-loSIIN shTrp53 (miR-30a)
Lentivirus	No	pEM080
Lentivirus	No	Lenti-EnrichAR V1; LVt-EnrichAR V2; sgVhl.1 mScarlet sgVhl.2 mScarlet; Lenti-dCas9-VPR-T2A-BSD (pXPR120); XLOne-DD-Ascl1-IRES-mScarlet-EFS-TetOn-3G-P2A-NeoR
Lentivirus	No	pEM040-UCOE; pEM081-UCOE; pEM040-UCOE-mScarlet; pEM081-UCOE-mScarlet
Adenovirus	No	Ad5-Cas9, Ad5-sgEml4-Alk, Ad5.CMV-Cre, Ad5.Sftpc-Cre, Ad5.CK8-Cre, Ad5-CK5-Cre
Lentivirus	No	LVt-TSTOP-shPten.1 (miR30); LVt-TSTOP-shRb1.2 (miR30); LVt-TSTOP-shVhl.3 (miR30); TSTOP_Ascl1_V1; TSTOP_Ascl1_V2
Lentivirus	No	LVt-PGK-KEAP1-EFS-Puro; LVt-PGK-KEAP1-V83D-EFS-Puro; LVt-PGK-KEAP1-G217*-EFS-Puro; LVt-PGK-KEAP1-G333C-EFS-Puro
Lentivirus	No	LVt-mid_no-antigen-cMyc-EGFP; LVt-dim_no-antigen-cMyc-EGFP; LVt-PGK-lonoAg-cMyc-EGFP; LVt-PGK-loVGF-cMyc-EGFP; LVt-PGK-loSVGF-cMyc-EGFP
Retrovirus	No	pEco
Lentivirus	No	LVt-PGK-KEAP1-R498*-EFS-Puro; LVt-PGK-KEAP1-L515Q-EFS-Puro; LVt-PGK-KEAP1-Y584*-EFS-Puro; LVt-PGK-KEAP1-V167A-EFS-Puro
Lentivirus	No	LVt-LoTAg-cMyc-2A-EGFP; LVt-noAg-cMyc-EGFP; LVt-LoSIIN-cMyc-2A-EGFP
Retrovirus	No	pAmpho
Lentivirus	No	pXPR_120

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Human Lung cancer cell lines	No
MSKPCa10: patient derived prostate organoid	Yes
MSKPCa12: patient derived prostate organoid	Yes
MSKPCa14: patient derived prostate organoid	Yes
Mouse Prostate cancer cell lines	Yes
Primary mouse prostate organoids	Yes
Human Prostate cancer cell lines	Yes
Mouse Lung cancer cell lines	Yes
Primary mouse lung organoids	Yes
Human Embryonic Kidney Cells HEK293T	No
MSKPCa2: patient derived prostate organoid	Yes
Pancreatic Cancer	No
Fibroblast	No
Human Embryonic Kidney SJHEK293T	No

Microbial Agents

Name	Administered to Animals in Vivo
E. coli K-12 (Hfr 3000 X74, Stbl3)	No

Room Numbers

Room No.	Description
PPB1.489	Animal Facilities
SCR2.3127	Tissue Culture Facility
PPB1.628	Animal Imaging
SCR2.2201	Radioisot or Biohaz Stor.

BSL 2: NEW PROTOCOLS

Room Numbers	
PPB1.467	Animal Facilities
PPB1.520	Animal Facilities
SCR2.2124	Non_Class Lab Service
SCR2.3208	Research/Non-Class Laboratory- Wet Lab
SCR2.3210	Research/Non-Class Laboratory- Wet Lab
SCR1.3035	LN2 Storage
Biosafety Level :	BSL2
Meeting Notes :	This protocol will use multiple viral and non-viral vector systems to manipulate gene expression and genome structure in cancer cell lines and organoids, some of which will then be administered to animals in vivo. ACUF protocol is current. It was noted the IACUC protocol indicates that lentiviral vectors will be used, which requires clarification to specify that lentiviruses are used ex vivo for cell line modification only and are not administered to animals.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	20	0	0	0

Investigator :	Tao Wang
Document No. :	RM00008828-RN00
NIH Guidelines Category :	III-D-3-a.
Agents :	

Viral Systems

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

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
MDA-MB-231 (breast cancer cells)	No
HEK293	No
T cells	No

Room Numbers	
Room No.	**Description**
2SCR3.3155	Tissue Culture Facility
Biosafety Level :	BSL2
Meeting Notes :	The goal of this protocol is to functionally characterize high affinity T cell receptors (TCRs) for their ability to mediate tumor cell killing. Lentiviral vectors will be used to transduce TCRs of interest into T cells, which will then be evaluated in cytotoxicity assays against corresponding tumor targets. Engineered T cells will be tested across varying effector to target ratios to determine their relative killing capacity compared with endogenous cognate TCRs, using a panel of tumor cell lines expressing the target antigen. No animal work.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	20	0	0	0

Investigator :	Erik N.K. Cressman
Document No. :	RM00005142-RN01
NIH Guidelines Category :	III-D-4-b.
Agents :	

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Adenovirus	Yes	pBR322

Room Numbers	
Room No.	**Description**
TB.4241	Animal Quarters Service
TB.4009	Animal Facilities
Biosafety Level :	BSL2
Meeting Notes :	The project aims to produce a reliable large animal tumor model in Oncopigs, which uses a transgene under the control of a Lox-Stop-Lox sequence with mutations in KRAS and TP53. An adenovirus vector will be directly injected into Oncopigs to promote tumor growth. Sites of administration are oropharynx, lung via bronchoscopy, liver via percutaneous delivery, and colon via colonoscopy. Tumors will be evaluated using imaging methods, and they will obtain tissue specimens from each tumor for histology, immunohistochemistry, and mass spectrometry imaging. IACUC protocol is current.

BSL 3: NEW PROTOCOLS

There are no new protocols to review for this meeting.

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

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	20	0	0	0

Investigator :	Ronald A DePinho
Document No. :	RM00000627-RN02_AM21
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
pGL4	No
pTTQ18 (pAKTaq)	No
pENTR223	No
pCDNA, pCDNA3, pCDNA3.1	No

Non Viral Systems

pTRE-Tight	No
pMGL	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	NY-ESO-1 TCR, pLenti, pTomo, pCCL-cppt-PGK-WPRE
Lentivirus	No	pLV-CMV51-Halo-ARAF, R747-M61-663, pLenti, CRISPR/ Cas9, pLentiCRISPRv2, SMARTvector
Retro	No	pBabe, pWZL, pMSCV, MSGV-1-1G4 backbone
Adenovirus-associated virus	No	rAAV-Syn-Tau-P301L
Lentivirus/ shRNA	No	pLX304-V5, 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
Melanoma cell lines (M407, A375)	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
APOE3- & APOE4-iPSC-derived neurons and astrocytes	No
Pancreatic cancer cell lines (BxPC-3, PK 59)	Yes
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 :	Addition of a plasmid expressing a luciferase reporter gene.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	20	0	0	0

Investigator :	Roza Nurieva
Document No. :	RM00000625-RN02_AM3
NIH Guidelines Category :	III-D-4-b.
Agents :	

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Influenza Virus A/WSN/33-Ova	Yes	pT3WSN-OVAI and pT3WSNPepII

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Mouse tissues (lung lavage, spleen, lymph nodes) and blood	No

Microbial Agents

Name	Administered to Animals in Vivo
Influenza Virus A/PR/8/34	Yes
Biosafety Level :	BSL2
Meeting Notes :	In the amendment they updated IACUC protocol number due to renewal.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	20	0	0	0

Investigator :	Frederick F Lang Jr
Document No. :	RM00001698-RN01_AM5
NIH Guidelines Category :	III-C-1.
Agents :	

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Adenovirus	No	N/A

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Mesenchymal Stem Cells	No
Biosafety Level :	BSL2
Meeting Notes :	This is a clinical trial to test Allogeneic Bone Marrow Human Mesenchymal Stem Cells Loaded with a Tumor Selective Oncolytic Adenovirus, DNX- 2401. The amendment changes the route of virus administration into the tumor cavity after tumor resection from injection to being applied directly to the walls of the resected tumor cavity.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	20	0	0	0

Investigator :	Yuan Pan
Document No. :	RM00005849-RN00_AM63
NIH Guidelines Category :	III-D-4-b.
Agents :	

Non Viral Systems

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

Non Viral Systems

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

Viral Systems

[redacted]	No
[redacted]	No
[redacted]	Yes
[redacted]	No
[redacted]	Yes
[redacted]	No
[redacted]	Yes
[redacted]	No
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Cell Lines

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

Microbial Agents

Name	Administered to Animals in Vivo
[redacted]	No

Biosafety Level : BSL2

Meeting Notes : Two [redacted] constructs were added to this amendment, and the associated ACUF is under IACUC review.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	20	0	0	0

Investigator : Joseph McCarty

Document No. : RM00000306-RN02_AM7

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

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pX330	Yes
pBLUE-II KS+/-	No
pcDNA4	No
pGLAST-Cas9	Yes
pGBKT7	No
pET-3X	No
pcDNA1	No

Non Viral Systems

pRK5	No
pCMV-Tag3B	No
ATP	No
CAS	No
PBCAG-GFP	Yes
pB-IRES-GFP	No
PEST	No
pCR-BLUNT-TOPO II	No
pBluescript	No
p3x-FlagCMV7	No
pCMV-myc	No
pcDNA3.1	No
pGEX 6P-1	No
pGADT7	No
PB CAG GFP2aLuc	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus shRNA	No	pGIPZ
Lentivirus shRNAs targeting bovine Smads	No	pLL3.7
Lentivirus	No	pMSCV 2.2
Retrovirus expressing V12-H-Ras	No	pBABE
Lentivirus	No	pLL3.7
Adenovirus-Cre	Yes	Adenovirus type 5, AAV/BI30-CAG-3xmiR122-WPRE
Lentivirus, pLV-EGFP-Luciferase	No	pLV
Adenovirus-GFP	Yes	Adenovirus type 5, AAV/BI30-CAG-3xmiR122-WPRE
Lentivirus-Cre	Yes	pLOC
Lentiviral CRISPR-Cas9	No	pLKO0.005
Lentivirus shRNAs targeting MGP	No	pLL3.7
Lentivirus shRNA	No	pLL3.7
Lentivirus, pLZRS-IRES-puro-EGFP	No	plZRS
Adenovirus-Mfsd2a	Yes	Adenovirus type 5, AAV/BI30-CAG-3xmiR122-WPRE
RCAS avian virus expressing PDGFBB	Yes	RCASBP(B)
Retrovirus expressings E6/E7 oncogenes	No	pBABE
Lentivirus expressing TOPFLASH	No	PGL3

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
LN229 - human brain tumor GBM	Yes
Brain Astrocytes	Yes
GBM brain tumor Cells	Yes
rat-1 fibroblasts (from whole rat embryo)	No
GSC Brain tumor Cells	Yes
GL261 brain tumor	Yes
COS kidney fibroblasts	No
DF-1 fibroblasts (from whole chicken embryo)	Yes
HEK293T(human embryonic kidney cells)	No
embryonic fibroblasts (from whole mouse embryo)	Yes
brain astroglial prognitor cells	Yes
brain endothelial cells	Yes
NIH3T3 fibroblasts (from whole mouse embryo)	No
Phoenix ecotropic retroviral packaging kidney cell line	No
HUVEC(Human umbilical vein endothelial cells)	No

Microbial Agents

Name	Administered to Animals in Vivo
yeast (AH109)	No
ecoli XL1-blue	No
ecoli k-12	No
ecoli DH5alpha	No
ecoli BL21	No
ecoli HB101	No

Biosafety Level :	BSL2
Meeting Notes :	The amendment adds new adenoviral constructs with IV administration to animals in vivo.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	20	0	0	0

Investigator :	Georgios Karras
Document No. :	RM00003059-RN01_AM13
NIH Guidelines Category :	III-D-1-a.
Agents :	

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pET3, pET8, pET11, pET21, pET22, pET28	No
pDONR221, pDONR227	No
pcDNA3-luciferase	No
SNL	No
pRP transposase (transient)	No
CRISPR/Cas9 editing template	No
pcDNA5-FRT	No
pcDNA3	No
CRISPR/Cas9 template vector, shRNA	No
pAAVS1	No

Non Viral Systems

pLIX, pLEX	No
PB-TET-SCP-EFI-C-SBP-IRES-GFP-Puro-GW-Dest	No
pcDNA3.1-mCherry	No
pcDNA3.1-3xFLAG-V5	No
pGEX, pGEX-2T	No
HBEGF-hPGK-2a-mRuby3-HBBIVS2-WPRE	No
CRISPRi, CRISPRa, CRISPR/Cas9 mutant, CRISPR/Cas9 WT, dTAG, HBEGF editing template	No
pB6-Hipp11-DTA-Capecchi	No
pcDNA3.1-EGFP	No
pIRES	No
ptetO7, pZEM	No
pFLEX	No
pGEM, pFA	No
pDEST17, pDEST22, pDEST32	No
pAG, pY, pRS, pBY011	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
retrovirus	No	PMMP
lentivirus	No	pBABE-neo, pBABE-zeo, pBABE puro
lentivirus	No	pLKO.1
lentivirus	No	pLIX301, pLIX303, pLIX305, pLIX402, pLIX-flag, pLIX-GFP, pLIX-mCherry, pLEX-flag, pLEX-GFP, pLEX-mCherry
lentivirus	No	plenti6, plenti6.2
lentivirus	No	miR-E, shRNA

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
triple negative breast cancer 4T1	No
small cell lung carcinoma	No
Drosophila melanogaster cell line	No
human dermal fibroblasts	No
bone osteosarcoma, U2OS	No
pancreatic carcinoma	No
Melanoma	No
colon adenocarcinoma MC38	No
human kidney cells, HEK293A	No
head and neck cancer cell lines (UM-SCC-22A, UM-SCC-22B, UM-SCC-47, VU-SCC-040)	Yes
mammary gland/breast carcinoma	No
ovarian cancer	No
human kidney cells, HEK293T	No
immortalized keratinocytes	No
mouse fibroblasts HSF1 regulatable expression	No
MEFs (mouse embryo fibroblasts) NIH3T3	Yes
V-C8	No
mouse macrophage	No
epithelial fall armyworm cell line, Sf-9	No
lymphocyte hybridoma	No
colon cells	No
Hepatocellular Carcinoma	No
mouse pre-leukemia cells (32D)	No
prostate cancer	No
epithelial cervical cancer, HeLa	No
rat Pheochromocytoma	No
gastric carcinoma	No
mammary gland neoplasm	No
lung adenocarcinoma	No
ROC1, ROC2, ROC3 syngeneic head and neck cancer	Yes
head and neck squamous cell carcinoma (CAL27, CAL33)	Yes
MDCK kidney cells	No
breast cancer (MDA-MB-231, MDA-MB-436)	No
mouse pluripotent cell lines	No
Ductal Carcinoma	No
DLD-1 colon cancer cells	No

Microbial Agents

Name	Administered to Animals in Vivo
E.coli BL21, DE3.1, DH5alpha, DH10B	No
Sacharomyces cerevisiae, BY4714, RM11-1A, wild strains, wasp gut, beer collection library	No
Sacharomyces paradoxus wild strains	No

Biosafety Level :	BSL2
Meeting Notes :	The amendment introduces standard molecular and cellular biology approaches, including PiggyBac-mediated inducible gene expression and use of established murine cancer cell lines.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	20	0	0	0

Investigator :	Dimitrios P Kontoyiannis
Document No. :	RM00003639-RN01_AM4
NIH Guidelines Category :	NA
Agents :	

Cell Lines

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

Microbial Agents

Name	Administered to Animals in Vivo
[redacted]	Yes
[redacted]	Yes
[redacted]	Yes
[redacted]	Yes
[redacted]	Yes
[redacted]	Yes
[redacted]	Yes
[redacted]	Yes
[redacted]	Yes

Biosafety Level : BSL2

Meeting Notes : Diverse RG2 microbial agents were added for in vivo experiments. ACUFs were updated.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	20	0	0	0

Investigator : Lauren Averett Byers

Document No. : RM00000193-RN02_AM6

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

Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
[redacted]	No	[redacted]
[redacted]	Yes	[redacted]
[redacted]	No	[redacted]
[redacted]	No	[redacted]
[redacted]	No	[redacted]
[redacted]	No	[redacted]
[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]	Yes
[redacted]	No
[redacted]	Yes
[redacted]	No
[redacted]	Yes
[redacted]	No
[redacted]	Yes
[redacted]	Yes
[redacted]	No
[redacted]	Yes
[redacted]	Yes
[redacted]	No
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[redacted]	Yes
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[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 : The amendment adds [redacted] as alternative to [redacted] for GEMM models.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	20	0	0	0

Investigator : Raghu Kalluri

Document No. : RM00000518-RN02_AM69

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
pRP[Exp]-Mouse Col1a2 promoter	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
pRP[Exp]-Stuffer>luciferase	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
pGL4.75[hRluc/CMV] Promoter	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
pFLAG CMV 6A Clones 1-5	No
CANSTATIN Pet 2B	No
pCMV4a-Flag-c-Myc	No
tdTomato-C1	No
Cerulean-N1	No
pGL4.24 [luc2P/minP]	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

Non Viral Systems	
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
pGL4 [luc2P/COLA1A/Hygro]	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
pLV[Exp]-Bsd-EF1A>{mTrp53[NM_011640.4]*_R245W}	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
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, 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	No
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	No
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 :	Updated IACUC protocol numberdue to renewal.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	20	0	0	0

Investigator :	Katy Rezvani
Document No. :	RM00002650-RN01_AM14
NIH Guidelines Category :	III-D-1-a.
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
[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
[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]	No	[redacted]
[redacted]	No	[redacted]
[redacted]	No	[redacted]
[redacted]	No	[redacted]
[redacted]	No	[redacted]
[redacted]	No	[redacted]
[redacted]	No	[redacted]
[redacted]	No	[redacted]
[redacted]	No	[redacted]
[redacted]	No	[redacted]
[redacted]	No	[redacted]
[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]	No
[redacted]	No
[redacted]	No
[redacted]	No
[redacted]	No
[redacted]	No
[redacted]	No

Cell Lines

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

Microbial Agents

Name	Administered to Animals in Vivo
[redacted]	No

Biosafety Level : BSL2

Meeting Notes : New agents were added, including [redacted] and [redacted]

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	20	0	0	0

Investigator : Liuqing Yang

Document No. : RM00000263-RN02_AM10

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

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
Luc-pGL4	No
helper PBase plasmid	No
pRP[Exp]-EGFP-CMV	No
pGEM-3Z	No
transposon plasmid	No
plincRNA-MS2	No
pGEM-T Easy BLRP	No
pCDNA3.1	No
pMS2-GST	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	psPAX2
Lentivirus	No	Lenti-X HTX
Lentivirus	No	pLV-H1TetO-GFP-Puro
Retrovirus	No	pUMVC
Lentivirus	No	pMD2.G
Retrovirus	No	SFG
Lentivirus	No	pCMV-dR8.2
Lentivirus	No	pLKO.1-Puro
Lentivirus	No	lentiCas9-Blast
Lentivirus	No	pLV[CRISPR]-hCas9:T2A:Puro-U6
Retrovirus	No	MSCV
Lentivirus	No	LentiGuide-Puro
Lentivirus	No	pCMV-VSVG

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
mouse liver cancer cells	Yes
Human peripheral blood mononuclear cells	No
normal hepatocytes	No
MDA-LINK-A	Yes
renal medullary carcinoma RMC2C1	Yes
SNU-387 liver tissue	Yes
human prostate cancer cell 22Rv1	No
Astrocyte	Yes
lung cancer	Yes
Schwann cell	Yes

Cell Lines

cardiomyocytes	No
Astrocyte	No
normal mammary gland epithelial cell	No
human bladder cancer cells	Yes
SNU-475 Liver tissue	Yes
Liver cancer cells	Yes
SNU-398 Liver tissue	Yes
Mouse colon cancer cell line	Yes
Schwann cell	Yes
human skeletal muscle cells	No
human hepatocytes	Yes
Hep3B Liver tissue	Yes
mouse neutrophil	Yes
HEK293T (human embryonic kidney cells)	No
renal medullary carcinoma MRST	Yes
prostate cancer	Yes
mouse CD8 T cell	Yes
MDA-MB-231-BR5	Yes
human CD8 T cell	No
mouse mammary gland tumor cell lines	Yes
mouse melanoma tumor cell line	Yes
breast cancer	Yes
PLHC-1 hepatocytes	Yes
induced pluripotent stem cell	No
mouse preadipocytes	No
NK cells	Yes
Human adipocytes	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E.coli DH5-alpha	No

Biosafety Level :	BSL2
Meeting Notes :	A human breast cancer cell line was added, and it will be administered to animals.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	20	0	0	0

Investigator :	John Victor Heymach
Document No. :	RM00000523-RN02_AM25
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]
[redacted]	No	[redacted]
[redacted]	Yes	[redacted]
[redacted]	Yes	[redacted]
[redacted]	Yes	[redacted]
[redacted]	Yes	[redacted]
[redacted]	No	[redacted]

Cell Lines

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

Cell Lines

[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
[redacted]	No

Biosafety Level : BSL2

Meeting Notes : [redacted] and 3 genes were added to the study.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	20	0	0	0

Investigator : Apar Pataer

Document No. : RM00005690-RN00_AM6

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]	Yes

Viral Systems

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

Microbial Agents

Name	Administered to Animals in Vivo
[redacted]	No

Biosafety Level : BSL2

Meeting Notes : Added [redacted] to agents.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	20	0	0	0

Investigator : Daniel Frigo

Document No. : RM00002476-RN01_AM5

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

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pENTR2B	No
pcDNA-DEST53	No
pDONR223	No
pCMV-Sport6	No
c-Flag pcDNA3	No
pcDNA3.1nv5	No
pDONR221	No
pDEST17	No
pcDNA3.1	No
pENTR3C	No
pGFP-LC3	No
pM	No
pGex-2T	No
pMax-GFP	No
pVP16	No

Non Viral Systems

pENTR1A	No
pGex-6p-1	No
pRK-5	No
pGL4.14	No
pGL4.26	No
pSG5	No
pDEST15	No
pGL4.24	No
pcDNA4	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pHAGE TRE dCas9-KRAB
adenovirus	Yes	AAV
baculovirus	No	pDW464
lentivirus	No	pLX-sgRNA
retrovirus	No	MSCV-neo
lentivirus	No	pLenti-Bi-cistronic; pLenti pgk-neo; pLentiCRISPRv2
lentivirus	No	pINDUCER10
lentivirus	No	pINDUCER20
retrovirus	No	MSCV-IRES-eGFP
retrovirus	No	pBABE-puro
retrovirus	No	pSR-GFP/neo
retrovirus	No	pSR-puro
Lentivirus	No	pLKO.1-puro U6 sgRNA BfuAI stuffer
retrovirus	No	SFG
lentivirus	No	pCW-Cas9
lentivirus	No	pINDUCER22
lentivirus	No	pGIPZ
lentivirus	No	pINDUCER11
retrovirus	No	pBABE-neo

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Xenograft cells MDA-PCa-144-13	Yes
cervical cancer HeLa	No
prostate cancer 22RV1 and PC3	Yes
prostate cancer cells NCI-H660	Yes
insect cells sf9	No
liver cancer HEPG2	No
embryonic kidney cells 293T	No
prostate cancer RM9	Yes
immortalized prostate cells VCAP	No
prostate cancer cells V16	Yes
prostate cancer TRAMP C2	Yes
immortalized prostate cells LNCAP	No
breast cancer ZR-75-1 and MDAMB231	No
prostate cancer Myc-CaP	Yes
B6CaP mouse prostate cancer cell line	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E. coli	No

Biosafety Level :	BSL2
Meeting Notes :	Updated pre-existing IACUC protocol number due to renewal and added new IACUC protocol.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	20	0	0	0

Investigator :	Peter Grace
Document No. :	RM00003601-RN01_AM15
NIH Guidelines Category :	III-D-4-b.
Agents :	

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pcDNA3.1	No
pGL4.32	No
pFlag-CMV	No
pcDNA3-YFP	No
pcDNA3	No
pRL-CMV	No
shRNA (U6 promoter Tie2-targeted ST6Gal1)	Yes
shRNA missense control	Yes

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	LV
Lentivirus	No	lentiCRISPR v2
adeno associated virus	Yes	AAV
Human herpesvirus 1	Yes	HSV-1

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Caco-2 epithelial cells from colon tissue	No
NRF2/ARE Luciferase Reporter human embryonic kidney -HEK293	No

Cell Lines

50B11 (DRG-derived cell line)	No
Rat cortical astrocytes	Yes
HuTu 80 epithelial cells from small intestine	No
Human small intestine epithelial cells	No

Microbial Agents

Name	Administered to Animals in Vivo
E.coli DH5α	No

Biosafety Level : BSL2

Meeting Notes : Added shRNAs and HSV-1 for in vivo experiments. HSV-1 route of administration is topic application to the hind limb.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	20	0	0	0

Investigator : Roza Nurieva

Document No. : RM00000624-RN02_AM3

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

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pGL3	No
pGL2-Basic	No
pcDNA3	No
pBlueRIP	No
pFRT	No
pEasyFlox	No
pBluscript	No
pRL-null	No
pUC13	No
pGEM-T	No
pPAC4	No
pPgK-Hygro	No
PGKFIpebpA	No
pCoHYGRO	No
pCMV-Tag	No
pBS185	No
pCMV-SPORT6	No
pCMVsGFPLuc	No
pCAGGS-FLPw-puro-14B	No
pUC19	No
pIZ/V5-His	No
pMT/BiP/V5-HisA	No
pCMV4	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
retroviral	No	pSUPER
retrovirus	No	pLXSN
retrovirus	No	PMX-ires-GFP
Adeno-Associated Virus (AAV)-shRNA	Yes	AAV-shRNA
retrovirus	No	pMLS
retrovirus	No	RV-IRESGFP-KM
retroviral	No	RVH1B
retrovirus	No	MIGR2
retroviral	No	pMSCV

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Primary mouse macrophages	Yes
Primary mouse T cells.	Yes
293T embryonic kidney cells	No
Jurkat T cells	No
Primary mouse fibroblasts.	Yes
Drosophila S2 cell line	No
EG-7 lymphoblast	No
EL4 lymphoblasts	No
Primary mouse dendritic cells	Yes
RAW macrophages	No
Phenix cells (embryonic kidney cells)	No
Primary mouse B cells	Yes
THP-1 monocytes	No

Microbial Agents

Name	Administered to Animals in Vivo
E. coli Top 10	No
Listeria-Ova	Yes
Salmonella typhimuriun X4550	No

Biosafety Level : BSL2

Meeting Notes : Updated IACUC protocol number due to renewal.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	20	0	0	0

Investigator : Benjamin Schrank

Document No. : RM00008251-RN00_AM4

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

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pBABE	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Retrovirus	No	MSCV, pQCXIN, pBABE puro
Lentivirus	No	pBOB
Adenovirus	Yes	pBR322

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
HEK293T cells	No
EO771	Yes
PC3	No
CT26	Yes
4T1	Yes
MC38	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E. Coli DH5alpha	No

Biosafety Level : BSL2

Meeting Notes : In the amendment they added new plasmids and gene of interest to the protocol.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	20	0	0	0

Investigator : Eric Jonasch

Document No. : RM00000505-RN02_AM6

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

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
mouse PRMT3	No
pT7-Elongin C-pcDNA3	No
mouse IGF2BP1	No
pmTurquoise2-H2A	No
siRNA against human PRMT3	No
Atg7-Loxp	No
siRNA against human IGF2BP1	No
pH2B-Venus	No
human PRMT3	No
siRNA against murine PRMT3	No
human IGF2BP1	No
siRNA against murine IGF2BP1	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	shRNA control
Lentivirus	No	human PRMT3 sgRNA
Retrovirus	No	pFlag-HA-BAP1
Retrovirus	No	pHA-Elongin B-pcDNA3.1(+)-Zeo
Retrovirus	No	pLEGFP-C1
Retrovirus	No	pHA-VHL Y98N-pBabe-puro
Retrovirus	No	pBabe-HAZ
Retrovirus	No	pHA-VHL 1-115-pBabe-puro
Adeno-Associated Virus	No	pZC-TCP1-HA v2.3 (AAV CCT1)
Retrovirus	No	pHA-VHL Y112H-pBabe-puro
Lentivirus	No	pCDHCB1HIF2aGFPT2APuro; HIF2A
Retrovirus	No	pRetroQ-mCherry-C1
Retrovirus	No	pHA-VHL T157I-pBabe-puro
Lentivirus	No	human IGF2BP1 sgRNA
Retrovirus	No	pHA-VHL L188V-pBabe-puro
Retrovirus	No	pBabe WT Akt2
Adeno-Associated Virus	No	pZC2aR v2.3 venus (empty vector)
Lentivirus	No	murine PRMT3 shRNA
Lentivirus	No	pLKO.1-puro
Retrovirus	No	pHA-VHL W117R-pBabe-puro
Lentivirus	No	human PRMT3 shRNA
Lentivirus	No	murine IGF2BP1 shRNA
Retrovirus	No	pBabe-GFP
Adenovirus	No	Ad-Cre-GFP
Retrovirus	No	pBabe-HcRed
Retrovirus	No	pBabe-neo
Lentivirus	No	murine PRMT3 sgRNA
Lentivirus	No	murine Cgas shRNA
Adenovirus	No	Ad-GFP
Lentivirus	No	human SETD2 shRNA
Adeno-Associated Virus	No	pZC2aR v2.3 VHL-venus (AAV VHL)
Retrovirus	No	pBabe-zeo
Retrovirus	No	pHA-VHL Y112N-pBabe-puro
Lentivirus	No	murine Setd2 shRNA

Viral Systems

Lentivirus	No	murine IGF2BP1 sgRNA
Retrovirus	No	pHA-VHL-wt-pBabe-puro
Lentivirus	No	human CGAS shRNA
Lentivirus	No	human IGF2BP1 shRNA
Lentivirus	No	pHIV-H2BmRFP
Retrovirus	No	pBabe puroL Akt
Retrovirus	No	pBabe-hygro

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Human RCC Cell Line SN12C	Yes
Human RCC Cell Line RCC4	Yes
Renal Cancer Cell Lines	Yes
Human RCC Cell Lines 786-O	Yes
Human RCC Cell Line Caki-1	Yes
Human RCC Cell Line ACHN	Yes
Human RCC Cell Line TK10	Yes
293T	No
Mouse Embryonic Fibroblasts (MEF)	No
LVRCC67 (Renal Cancer Cell Line)	Yes
A498 (Kidney)	No
Murine RCC Cell Line (RENCA)	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E. coli DH5a	No

Biosafety Level : BSL2

Meeting Notes : Added new IACUC protocol associated with this registration.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	20	0	0	0

Investigator : Simone Krebs

Document No. : RM00007946-RN00_AM8

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

Agents :

Non Viral Systems

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

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	SFG
Retrovirus	No	SFG

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Galv9	No
Human CAR NK cells	Yes
human embryonic kidney cells	No
Murine lymphocytes (derived from peripheral blood and tissue mononuclear cells)	Yes
genetically engineered Human T cells expressing CAR and/or anti-DOTAscFv	Yes
Phoenix ECO	No
Human lymphocytes (derived from peripheral blood and tissue mononuclear cells)	Yes
genetically engineered murine T cells expressing CAR and/or anti-DOTAscFv	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E. coli DH5α	No

Biosafety Level : BSL2

Meeting Notes : Human NK cells provided by a collaborator were added to the protocol, for editing with rDNA and administration to animals. IACUC was updated accordingly.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	20	0	0	0

Investigator : Cassian Yee

Document No. : RM00000378-RN02_AM11

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

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
[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]

Cell Lines

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

Cell Lines

[redacted]	Yes
[redacted]	No
[redacted]	No
[redacted]	No
[redacted]	Yes
Biosafety Level :	BSL2
Meeting Notes :	Added [redacted] to the protocol.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	20	0	0	0

Investigator :	Jun-ichi Abe
Document No. :	RM00000535-RN02_AM4
NIH Guidelines Category :	III-D-4-b.
Agents :	

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
PLR NF-kappaB	No
pCMV-2(A-C)	No
3xLy6e pZLuc-TK	No
pGEX	No
pRL	No
PPRE X3-TK-Luc	No
pBIND	No
pRL-CMV	No
pG5-Luc	No
pACT	No
pcDNA3.1	No
pENTR	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Adenovirus	No	pAd/CMV/V5-DEST
Adeno-associated virus (AAV)	Yes	pAAV/mU6.siRNA.shuttle

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
BAOEC (bovine aortic endothelial cell)	No
HUAEC (human umbilical artery endothelial cell)	No
CHO (chinese hamster ovary)	No
Cos7 (African green monkey kidney fibroblast)	No
HPAEC (human pulmonary artery endothelial cell)	No
L929 (subcutaneous connective tissue, fibroblast)	No
HEK293A (human embryonic kidney)	No
Mouse lung endothelial cells	Yes
Human PBMC	No
HMDM. (HUMAN MONOCYTE DIFFRENTIATED MACROPAHGES	No
RASMC (Rat Aortic Smooth Muscle Cell)	No
HeLa (human cervix epithelial)	No
BAEC (bovine aortic endothelial cell)	No
MAEC (mouse aortic endothelial cell)	Yes
C2C12 (muscle myoblast)	No
HAoEC (human aortic endothelial cell)	No
HUVEC (human umbilical vein endothelial cell)	No
HEK293 (human embryonic kidney)	No
HAEC (human arterial endothelial cell)	No
HUAEC (human umbilical artery endothelial cell)	No
TeloHAEC (human aortic endothelial cell)	No
NIH3T3 (mouse embryo fibroblast)	No
bEND.3 (brain endothelialpolyoma)	No
HUVEC (human umbilical vein endothelial cell)	No
Mouse Bone marrow derived Macrophages (BMDM's)	Yes
THP-1 (peripheral blood monocyte)	No
RAW264.7 (TIB-71) (macrophage; Abelson murine leukemia virus transformed)	No

Microbial Agents

Name	Administered to Animals in Vivo
E. coli Top10	No
E. coli XL10Gold	No
E. coli DH5alpha	No
E. coli BL21	No

Biosafety Level :	BSL2
Meeting Notes :	Updated IACUC protocols due to renewal.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	20	0	0	0

Investigator :	Anjana Bhardwaj
Document No. :	RM00008250-RN00_AM2
NIH Guidelines Category :	III-D-4-a.
Agents :	

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pRP[Exp]-EF1A>PBase	No
pcDNA3	No

Non Viral Systems

pRP[Exp]-CMV>PBase	No
pPB[Exp]-EF1A>EGFP	No
pucT7	Yes
pPB[Exp]-EF1A>ORF_Stuffer	No
pUC-T7 plasmid	Yes

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pGENLENTI

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Breast Cancer	Yes
Breast Cancer	Yes

Biosafety Level :	BSL2
Meeting Notes :	Four mammalian gene expression plasmids have been added.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	20	0	0	0

Investigator :	Eleonora Dondossola
Document No. :	RM00005923-RN00_AM11
NIH Guidelines Category :	III-D-1-a.
Agents :	

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	Yes	rLV.EF1.mCherry-9
Lentivirus	No	rLV.EF1.ZsGreen1-9
Lentivirus	No	PLV-10003-50 CMV-Firefly luciferase lentivirus (Puro)

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Osteoblasts	Yes
Endothelial cells	No
Renal LVRCC7	Yes
Prostate Cancer	Yes
Prostate Cancer	Yes
Kidney Cancer (PDX)	Yes
Mesenchymal Stem Cells	Yes
Prostate Cancer (PDX)	Yes
Kidney (Vsd9)	Yes
Kidney	Yes
Kidney	Yes
Kidney Cancer (UTSWKCP-1, UTSWKCP-3, UTSWKCP-6, UTSWKCP-7, UTSWKCP-8, UTSWKCP-10, UTSWKCP-6.1A, UTSWKCP-6.1B, UTSWKCP-6.1A1, UTSWKCP-6.1B1)	No
Kidney (UM-RC-3)	Yes

Biosafety Level :	BSL2
Meeting Notes :	Updated IACUC protocol number due to renewal. A contingency identified in previous submissions has not yet been resolved, the discrepancy between using viruses in animals as included in ACUF, and no use of viruses with animals in the IBC.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	19	0	1	0

Investigator :	Vidya Gopalakrishnan
Document No. :	RM00000443-RN02_AM3
NIH Guidelines Category :	III-D-1-a.
Agents :	

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pcDNA3.1/ND2/REST	No
pcDNA3-myc3-p27	No
HA-ubiquitin	No
pcDNA3-myc-Skp2	No
pBeta-TRCP	No
pcDNA3.1/ND2/REST	No
Flag-HA-USP37 C234S (mut)	No
Flag-HA-USP37	No
Flag-HA-USP1	No
ffluc/mKate	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pLX304-PRMT8
Retrovirus	No	MigR1-REST-VP16;MigR1-REST C-term mut;Migr1-REST N-term mut
Lentivirus	No	pVSV-G
Lentivirus	No	pRSI17-CB13K-U6-sh-HTS6-UbiC-TagGFP2-2A-Puro-W
Retrovirus	No	pMSCVpuro
Retrovirus	No	Migr1 Hes1;MigR1 Hes1-WRPW;MigR1 Hes1 N-term mut;MigR1 Hes1-bHLH-Orange;MigR1-RFP
Lentiviral	No	pLKO.1 shRNA vector
Lentivirus	No	pLX304
Retrovirus	No	pDEST
Retrovirus	No	migR1-GFP; migR1-Rest-GFP; migR-Rest-DBD-GFP
Lentivirus	No	pGIPZ lentiviral vector, shG9a, shHDAC1, shHDC2, shLSD1, shP27, shPRMT8, shRest

Viral Systems

Lentivirus	No	PsPax2
Lentivirus	No	pHAGE-EF1a-IRES-EGFP; pHAGE-EF1a-IRES-mkate2;pHAGE-EF1a-IRES-puro
Lentivirus	No	SMARTvector hEF1a-TurboRFP
Lentivirus	No	Puro.Cre

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Mouse Brain Progenitor Cells	Yes
Diffuse Intrinsic Pontine Glioma	Yes
Embryonic kidney 293T cell	No
AT/RT (teratoid/rhabdoid tumor)	Yes
Medulloblastoma	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E. coli-Stbl3	No
E. coli-DH10B	No
E. coli-OmniMAX™ 2 T1	No
E. coli-DH5alpha	No

Biosafety Level : BSL2

Meeting Notes : Viral vectors and associated genes for use in vitro were added to the study.

8. ADMINISTRATIVE MODIFICATIONS

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	20	0	0	0

Investigator : Marie-Claude Hofmann

Document No. : TA00003010-RN01_AM1

NIH Guidelines Category :

Agents :

Species	ACUF#	Genes Inserted	Genes Deleted
Mouse	00001678-RN01	NICD	Notch-1, RBPJ, Hes-1, Hey-1, Notch-3, numb, c-Fos, Smad4, Phf21a, N-Myc

Biosafety Level :

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	20	0	0	0

Investigator : Emily Keung

Document No. : RM00006821-RN00_AM15

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pLKO	No
pLenti	No
pMD2.G	No
pcDNA3	No
pShuttle	No
pEGFP	No
pGIPZ	No
pAdEasy	No
psPAX2	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pLKO, pGIPZ, pLenti-CMV, psPAX2, pMD2.G
Adenovirus	No	pShuttle, pAdEasry

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Sarcoma cell lines	Yes
Sarcoma cell line	Yes
SBKP (sarcoma)	Yes
CCNE1 (sarcoma)	Yes
MCA205 (sarcoma)	Yes
PBMC/Buffy Coat	No
HEK293T	No
Macrophages	No
Lymphocytes (T cells, B cells, NK cells)	No
Sarcoma cell lines	Yes
Dendritic cells	No

Microbial Agents

Name	Administered to Animals in Vivo
E. coli (k-12, DH5a, DH10B, Stbl2, Stbl3, Stbl4, MDS42RecA, BJ5183, Top10F')	No

Biosafety Level : BSL2

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	20	0	0	0

Investigator : Eleonora Dondossola

Document No. : RM00005923-RN00_AM12

NIH Guidelines Category :

Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	Yes	rLV.EF1.mCherry-9
Lentivirus	No	PLV-10003-50 CMV-Firefly luciferase lentivirus (Puro)
Lentivirus	No	rLV.EF1.ZsGreen1-9

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Prostate Cancer (PDX)	Yes
Prostate Cancer	Yes
Renal LVRCC7	Yes
Kidney	Yes
Mesenchymal Stem Cells	Yes
Endothelial cells	No
Kidney Cancer (PDX)	Yes
Osteoblasts	Yes
Kidney (Vsd9)	Yes
Kidney	Yes
Kidney (UM-RC-3)	Yes
Prostate Cancer	Yes

Biosafety Level : BSL2

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	20	0	0	0

Investigator : Li Ma

Document No. : RM00000621-RN03_AM1

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pT3-EF1a-GFP-miRE transposon vector	Yes
ITGB4-luc	No
pT3-EF1a-GFP-miRE-shRen	Yes
pT4-CMV-GFP	Yes
CMV-SB2	Yes
pT3-EF1a-N-RasG12V	Yes
pDONR201	No
pGL3-Basic	No
pT3-EF1a-YAP127A	Yes
pCMV-Sport6	No
pRK5-HA	No
pT2/SVNeo	Yes
pT3-EF1a-MYC-IRES-GFP	Yes
pcDNA3.1	No
pT3-EF1α-HA-myr-AKT-IRES-Luciferase	Yes
pT3-EF1a	Yes
pT3-EF1a-MYC	Yes
pT3-EF1a-AKT	Yes
pT3-EF1a-hmet	Yes
pT3-EF1a-del N90 B-catenin	Yes
CMV-SB13 Transposase	Yes
pCMV(CAT)T7-SB100X	Yes
pCDNA3	No
pDONR221	No
pMir-Luc	No
pT3-EF1aH-GW	No
pLive	Yes

Viral Systems

Virus System	Virus Administered to Animals	Backbones
lentivirus	No	pDECKO
Retrovirus	No	pBABE-puro, pBabe-SFB, pMSCV-PIG, MDH1-PGK-GFP 2.0, MDH1-PGK-GFP, pBABE-hygro
Adenovirus	Yes	pShuttle; pShuttle-CMV, pAdtrack; pAdtrack-CMV; Ad5
lentivirus	No	LentiCas9-blast; pMH-Flag-HA; pCRISPRia-v2; dCas9-VPR; lentiGuide-Puro
Lentivirus	No	pmiR-ZIP, pLX304, pGIPZ, pLOC, pFUW, pLenti 6.0 ,6.2, 6.3, pLKO-puro, pLenti-CMV-hygro; pLKO.1-Blast; LentiCRISPR v2; FU-MCS-CRW/RFP;pCDH lentiviral vectors;
Adeno-Associated Virus	Yes	AAV8-GFP-U6
Lentivirus	No	pCDCAR1 GPC3.BBZ.CAR

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Lymphoma	No
Embryonic Kidney cells	No
Lung cancer	Yes
liver cancer	Yes
liver cancer	Yes
Embryonic Fibroblasts	No
prostate cancer	Yes
mammary epithelial	Yes

Cell Lines

pancreatic cancer	No
Colon Cancer	No
pancreatic cancer	Yes
Cervical Cancer	No
Breast cancer	Yes
Breast cancer	Yes
Bone Cancer	Yes
Leukemia	Yes
CD8+ T cells	Yes
CD8+ T cells	Yes
prostate cancer	No
melanoma	Yes
melanoma	Yes
Lung cancer	No
colon cancer	Yes
Glioblastoma	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E.Coli (DH5a, DH10B, BL21)	No

Biosafety Level : BSL2

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	20	0	0	0

Investigator : Jihye Yun

Document No. : RM00005986-RN00_AM22

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pEGFP	No
peredox reporter	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pCMV-VSVG
Lentivirus	No	pCMV-D8.2
Lentivirus	No	pSEPT
Lentivirus	No	pLKO.1
Lentivirus	No	pDESTlentiCMVhygro

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
CD4+ T cells	Yes
HEK-293	No
colon cancer	Yes
patient-derived organoids (colon)	Yes
colon cancer	No

Microbial Agents

Name	Administered to Animals in Vivo
E.coli (K-12, DH-5, Nissle 1917)	Yes
Marvinbryantia formatexigens	Yes
Ruminococcaceae	Yes
Lachnospiraceae	Yes
Eubacterium rectale	Yes
Faecalibacterium	Yes
ASF356 (Clostridium propionicum)	Yes
Roseburia	Yes
Human feces	Yes
Gut microbiota from MDA animal facility	Yes
Alistipes spp.	Yes

Biosafety Level : BSL2

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	20	0	0	0

Investigator : Jianjun Zhang

Document No. : RM00008008-RN00_AM2

NIH Guidelines Category :

Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
CMV-Cre-RFP Lentivirus	Yes	Third-generation, self-inactivating (SIN) HIV-1–based lentiviral backbone
Adeno-cre; Ad-Cre-GFP	Yes	human adenovirus Type5 (dE1/E3)

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Human lung cancer cell lines A427, H2030, H23, HCC44	Yes
Mouse lung cancer cell lines, including 344SQ, LKR10, M527, M906, 393P, 393LN, 344P, 12355P, 12355Rc, GEMM_KL_G12C, KLN205, KLR13_KL_Cre, KLR13_KL_G12C	Yes

Microbial Agents

Name	Administered to Animals in Vivo
CJRB-101 (Enterococcus gallinarum)	Yes

Biosafety Level : BSL2
Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	20	0	0	0

Investigator : Ronald A DePinho
Document No. : RM00000627-RN02_AM20
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
pGL4	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus/packaging virus	No	pRSV-Rev, pMD2.G, pMD-VSVG; pAX2
Retro	No	pBabe, pWZL, pMSCV, MSGV-1-1G4 backbone
Lentivirus	No	NY-ESO-1 TCR, pLenti, pTomo, pCCL-cppt-PGK-WPRE
Lentivirus	No	pLV-CMV51-Halo-ARAF, R747-M61-663, pLenti, CRISPR/ Cas9, pLentiCRISPRv2, SMARTvector
Lentivirus/ shRNA	No	pLX304-V5, 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
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
Melanoma cell lines (M407, A375)	Yes
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
Colon cancer cell lines (HT-29, SW-480)	Yes
Lung derived from metastatic sites (e.g., H2052, H2B)	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	20	0	0	0

Investigator : Lauren Averett Byers
Document No. : RM00000193-RN02_AM5
NIH Guidelines Category :
Agents :

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

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo

Cell Lines

[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 : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	20	0	0	0

Investigator : Humam N Kadara

Document No. : RM00003627-RN01_AM12

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
CD24 HDR plasmid (non-viral, co-transfected for puromycin selection)	No
Control CRISPR/Cas9 Plasmid	No
CD24 CRISPR/Cas9 Knockout (KO) plasmid (guide RNA)	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Adeno-associated virus serotype 6	Yes	Recombinant AAV
Adeno-associated virus serotype 5	Yes	Recombinant AAV
adenovirus Ad5mSPC-Cre-eGFP	Yes	pacAd5(9.2-100)sub360 viral backbone
adeno associated virus	Yes	sc-CMV
Lentivirus	No	pGIPZ
adenovirus Ad5mSPC-nteGFP	Yes	pacAd5(9.2-100)sub360 viral backbone
adenovirus Ad5mSPC-FLPo	Yes	pacAd5(9.2-100)sub360 viral backbone.
adenovirus Ad5CMVFLPO	Yes	pacAd5(9.2-100)sub360 viral backbone
Lentivirus	No	pLenti CMV V5-LUC
Ad5-hK14/Bgi-Cre	Yes	pacAd5(9.2-100)sub360 viral backbone

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Lung cancer cell line - 344SQ	Yes
FVBW-17 (gRNA control) - Mouse lung cancer cell-line	Yes
FM471-ctrl-gRNA-GFP/luciferase cells	Yes
293FT cells	No
LKR-13 Luciferase/GFP stable cells - Mouse lung cancer cell-line	Yes
mF471-CD24-gRNA-GFP/luciferase cells - mouse lung cancer cells	Yes
LKR-13(gRNA control) - Mouse lung cancer cell-line	Yes
FVBW-17 (CD24-gRNA) - Mouse lung cancer cell-line	Yes
Fvbw 17-GFP/luciferase cells - mouse lung cancer cells	Yes
LKR-13 (Mouse lung cancer cell-line)	Yes
mF471 Luciferase/GFP stable cells - mouse lung cancer cells	Yes
mF471 - mouse lung cancer cells	Yes
LKR-13 (CD24-gRNA) - Mouse lung cancer cell-line	Yes
FVBW-17 cells (Mouse lung cancer cells)	Yes
393P (Mouse lung cancer cell-line)	Yes

Microbial Agents

Name	Administered to Animals in Vivo

Microbial Agents

Influenza A	Yes
Sendai virus	Yes
DH5a cells	No
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	20	0	0	0

Investigator :	Giannicola Genovese
Document No. :	RM00003694-RN01_AM4
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

Viral Systems

Virus System	Virus Administered to Animals	Backbones
[redacted]	Yes	[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]	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	20	0	0	0

Investigator :	Susan Bullman
Document No. :	RM00007970-RN00_AM9
NIH Guidelines Category :	
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
Pancreatic cancer	Yes
Renal adenocarcinoma	Yes
Colon cancer- luciferase/GFP dual-labeled	Yes
Ovarian Cancer	Yes
Colon Cancer	Yes
Colon Cancer	Yes
Anti-Fusobacterium CAR-M monocytes	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	Yes
Fusobacterium strain SB001	Yes
Fusobacterium strain SB010 anti-CD40+	Yes
Bacteroides fragilis strain 107LM	Yes

Microbial Agents

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	Yes
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	20	0	0	0

Investigator : Jian Hu

Document No. : RM00000880-RN02_AM7

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

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]	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

Cell Lines

[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 : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	20	0	0	0

Investigator : Georgios Karras

Document No. : RM00003059-RN01_AM12

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pcDNA3	No
pAG, pY, pRS, pBY011	No
pB6-Hipp11-DTA-Capecchi	No
SNL	No
pcDNA3.1-3xFLAG-V5	No
pcDNA5-FRT	No
pET3, pET8, pET11, pET21, pET22, pET28	No
CRISPRi, CRISPRa, CRISPR/Cas9 mutant, CRISPR/Cas9 WT, dTAG, HBEGF editing template	No
pcDNA3-luciferase	No
pFLEX	No
CRISPR/Cas9 editing template	No
pLIX, pLEX	No
pcDNA3.1-mCherry	No
ptetO7, pZEM	No
pGEX, pGEX-2T	No
pDEST17, pDEST22, pDEST32	No
pDONR221, pDONR227	No
pGEM, pFA	No
CRISPR/Cas9 template vector, shRNA	No
pRP transposase (transient)	No
PB-TET-SCP-EFI-C-SBP-IRES-GFP-Puro-GW-Dest	No
HBEGF-hPGK-2a-mRuby3-HBBIVS2-WPRE	No
pIRES	No
pcDNA3.1-EGFP	No
pAAVS1	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
retrovirus	No	PMMP
lentivirus	No	pLKO.1
lentivirus	No	pLIX301, pLIX303, pLIX305, pLIX402, pLIX-flag, pLIX-GFP, pLIX-mCherry, pLEX-flag, pLEX-GFP, pLEX-mCherry
lentivirus	No	plenti6, plenti6.2
lentivirus	No	miR-E, shRNA
lentivirus	No	pBABE-neo, pBABE-zeo, pBABE puro

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
ovarian cancer	No
Melanoma	No
MEFs (mouse embryo fibroblasts) NIH3T3	Yes
human dermal fibroblasts	No
human kidney cells, HEK293A	No
ROC1, ROC2, ROC3 syngeneic head and neck cancer	Yes
colon cells	No
breast cancer (MDA-MB-231, MDA-MB-436)	No
human kidney cells, HEK293T	No
mammary gland/breast carcinoma	No
Hepatocellular Carcinoma	No
head and neck cancer cell lines (UM-SCC-22A, UM-SCC-22B, UM-SCC-47, VU-SCC-040)	Yes
gastric carcinoma	No
mouse macrophage	No
V-C8	No
immortalized keratinocytes	No
mouse fibroblasts HSF1 regulatable expression	No
epithelial cervical cancer, HeLa	No
Drosophila melanogaster cell line	No
pancreatic carcinoma	No

Cell Lines

MDCK kidney cells	No
mouse pluripotent cell lines	No
head and neck squamous cell carcinoma (CAL27, CAL33)	Yes
lung adenocarcinoma	No
Ductal Carcinoma	No
triple negative breast cancer 4T1	No
colon adenocarcinoma MC38	No
mammary gland neoplasm	No
epithelial fall armyworm cell line, Sf-9	No
small cell lung carcinoma	No
DLD-1 colon cancer cells	No
lymphocyte hybridoma	No
mouse pre-leukemia cells (32D)	No
prostate cancer	No
bone osteosarcoma, U2OS	No
rat Pheochromocytoma	No

Microbial Agents

Name	Administered to Animals in Vivo
E.coli BL21, DE3.1, DH5alpha, DH10B	No
Sacharomyces paradoxus wild strains	No
Sacharomyces cerevisiae, BY4714, RM11-1A, wild strains, wasp gut, beer collection library	No

Biosafety Level : BSL2

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	20	0	0	0

Investigator : Mingqi Han

Document No. : RM00008345-RN00_AM1

NIH Guidelines Category :

Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Adenovirus	Yes	pAd5CMVCreMT1pA
Lentivirus	Yes	LV-CMV-Cre

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
lung cancer	Yes
lung cancer	Yes

Biosafety Level : BSL2

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	20	0	0	0

Investigator : Joseph A Ludwig

Document No. : RM00006755-RN00_AM4

NIH Guidelines Category :

Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pScribe5-EFS-Venuns-2A-Puro-bc
Lentivirus LT3GEPIR	No	pRRL
Lentivirus	No	pLV

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
HEK293T	No
Ewing sarcoma	Yes
Desmoplastic small round cell tumor (DSRCT)	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E. Coli DH5a	No

Biosafety Level : BSL2

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	20	0	0	0

Investigator : Wen Jiang

Document No. : RM00006090-RN00_AM12

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
mRNA that transcribes the CAR gene	Yes
mRNA that transcribes the PIB (PU.1, IRF8, and BATF3) gene	Yes
Entry vector - pNC	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Adeno-associated virus	Yes	pAAV
Lentivirus	Yes	pRRL with helper plasmids VSV-G, psPAX2, pMDLg/pRRE, pMD2.G, pRSV-REV

Viral Systems

Lentivirus	No	pEF-I-GFP-GX with helper plasmids VSV-G, psPAX2, pMDLg/pRRE, pMD2.G, pRSV-REV
Lentivirus	No	pLVX-EF1alpha, with helper plasmids VSV-G, psPAX2, pMDLg/pRRE, pMD2.G, pRSV-REV
Adenovirus	No	pBR322

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Macrophages	Yes
Brain tumor cells	Yes
T cells	Yes
Macrophages	Yes
Peripheral blood mononuclear cell	No
293T	No
Breast cancer cell	Yes

Biosafety Level : BSL2

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	20	0	0	0

Investigator : Kristen Pauken

Document No. : RM00006570-RN00_AM21

NIH Guidelines Category :

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, 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
lentivirus	No	psPax2, pMD2.G, Cre-Mscarlette-pRpl18-4x MirT
lentivirus	No	psPax2, pMD2.G, pLC-ZsGreen-P2A-puro

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
mouse melanoma (YUMM3.3-ZsGreen-GP100-EGS weak peptide)	Yes
mouse melanoma (YUMM3.3-ZsGreen-GP100-EGP medium peptide)	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
mouse melanoma (YUMM1.7-ZsGreen-GP100-KVP human orthologue)	Yes
mouse melanoma (YUMM3.3-ZsGreen)	Yes
mouse melanoma (YUMM1.7-ZsGreen)	Yes
293T	No
mouse melanoma (YUMM3.3)	Yes
mouse melanoma (D4M-UV2 Rpl18-MScarlet)	Yes
mouse melanoma (YUMM3.3 Rpl18-MScarlet)	Yes
mouse melanoma (B16-OVA-ZsGreen)	Yes
mouse melanoma (B16-OVA-ZsGreen-GP100-EGP medium peptide)	Yes
mouse melanoma (B16-OVA-ZsGreen-GP100-EGS weak peptide)	Yes
mouse melanoma (B16-OVA-ZsGreen-GP100-KGP strong peptide)	Yes
mouse melanoma (B16-OVA-ZsGreen-GP100-KVP human orthologue)	Yes
mouse melanoma (D4M-UV2)	Yes
mouse colon adenocarcinoma (MC38)	Yes
mouse melanoma (B16-OVA)	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E. coli Stbl3	No

Biosafety Level : BSL2

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	20	0	0	0

Investigator : Marie-Claude Hofmann

Document No. : TA00005153-RN00_AM5

NIH Guidelines Category :

Agents :

Species	ACUF#	Genes Inserted	Genes Deleted
Mouse	00001975-RN01	BRAF (V600E)	trp53

Biosafety Level :

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse

Approved	20	0	0	0

Investigator : Alejandro Aballay
Document No. : RM00007355-RN00_AM2
NIH Guidelines Category :
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
l4440	No

Microbial Agents

Name	Administered to Animals in Vivo
E coli OP50	No
Enterococcus faecium E007	No
Salmonella enterica serovar Typhimurium 1344	No
Enterococcus faecalis OG1RF	No
Staphylococcus aureus NCTC8325	No
E coli HT115	No
Pseudomonas aeruginosa PA14	No

Biosafety Level : BSL2
Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	20	0	0	0

Investigator : Marie-Claude Hofmann
Document No. : RM00003315-RN01_AM5
NIH Guidelines Category :
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pCMV-GFP	No
EB3-mNeonGreen	No
pGL3-basic	No
pCMV-Neo-Bam	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	LV_EF1a
Lentivirus	No	TRC1.5-pLKO.1-puro
lentivirus	No	pLenti-GIII-CMV-RFP-2A-Puro
lentivirus	No	pGIPZ
Lentivirus	No	pLX_TRC311

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
anaplastic thyroid cancer 8505C cells	Yes
papillary thyroid cancer KTC1 cells	Yes
papillary thyroid cancer KTC1-VA7 cells	Yes
mouse wild type blastocysts	No
anaplastic thyroid cancer U-Hth83	Yes
papillary thyroid cancer BCPAP cells	Yes
HEK293T cells, human embryonic kidney cells	No
anaplastic thyroid cancer SW1736 cells	Yes
mouse thyroid cancer cell lines	Yes
papillary thyroid cancer FNA001 cells	Yes
papillary thyroid cancer MDA-T68 cells	Yes
medullary thyroid cancer cells (TT cells)	Yes
Papillary thyroid cancer MDA-T85 cells	Yes
papillary thyroid cancer K2 cells	Yes

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	20	0	0	0

Investigator : Liuqing Yang
Document No. : RM00000263-RN02_AM11
NIH Guidelines Category :
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
Luc-pGL4	No
transposon plasmid	No
pGEM-T Easy BLRP	No
helper PBase plasmid	No
pRP[Exp]-EGFP-CMV	No
plincRNA-MS2	No
pMS2-GST	No
pCDNA3.1	No
pGEM-3Z	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones

Viral Systems

Lentivirus	No	pLV-H1TetO-GFP-Puro
Lentivirus	No	pLV[CRISPR]-hCas9:T2A:Puro-U6
Lentivirus	No	pCMV-dR8.2
Lentivirus	No	LentiGuide-Puro
Lentivirus	No	pCMV-VSVG
Lentivirus	No	pLKO.1-Puro
Retrovirus	No	pUMVC
Retrovirus	No	SFG
Retrovirus	No	MSCV
Lentivirus	No	Lenti-X HTX
Lentivirus	No	lentiCas9-Blast
Lentivirus	No	pMD2.G
Lentivirus	No	psPAX2

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
cardiomyocytes	No
human CD8 T cell	No
Schwann cell	Yes
normal mammary gland epithelial cell	No
induced pluripotent stem cell	No
mouse neutrophil	Yes
human bladder cancer cells	Yes
normal hepatocytes	No
breast cancer	Yes
MDA-LINK-A	Yes
mouse liver cancer cells	Yes
renal medullary carcinoma MRST	Yes
Hep3B Liver tissue	Yes
Schwann cell	Yes
SNU-398 Liver tissue	Yes
renal medullary carcinoma RMC2C1	Yes
lung cancer	Yes
Human peripheral blood mononuclear cells	No
Mouse colon cancer cell line	Yes
human hepatocytes	Yes
MDA-MB-231-BR5	Yes
human skeletal muscle cells	No
mouse mammary gland tumor cell lines	Yes
PLHC-1 hepatocytes	Yes
SNU-475 Liver tissue	Yes
prostate cancer	Yes
Astrocyte	No
mouse CD8 T cell	Yes
SNU-387 liver tissue	Yes
Astrocyte	Yes
mouse preadipocytes	No
HEK293T (human embryonic kidney cells)	No
NK cells	Yes
Liver cancer cells	Yes
mouse melanoma tumor cell line	Yes
human prostate cancer cell 22Rv1	No
Human adipocytes	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E.coli DH5-alpha	No

Biosafety Level : BSL2

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	20	0	0	0

Investigator : Guillermina Lozano

Document No. : RM00000164-RN03_AM2

NIH Guidelines Category :

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

Viral Systems

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

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	20	0	0	0

Investigator : Raghu Kalluri

Document No. : RM00000518-RN02_AM68

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 K11Fl PC BFT	No
pCAG-T7pol	No
pCMV3-untagged	No
PDGFRB-PDsRed	No
aSMA-RFP	No

Non Viral Systems	
pFLAG CMV 6A Clone 1 (MD 010508)	No
MMTV-cFos-SV40	Yes
pCMV3-mCD80	No
pDESTmycDicer	No
Drosha WT	No
pRK5-EGFP-Tau P301L	No
a2 PD5 + CAR	No
Drosha-Mut	No
PCMV3-mCD40LG	No
pD2528-CMV_RBD-VSV-G_TM_Chimera	No
mEmerald-CD9-10	No
pDsRed 2-C1	No
CMV ON Col 18 IN PC SPORT 6.1	No
pSpCas9(BB)-2A-Puro (PX459)	No
GPC1	No
pCI neo-hEST2	No
L3L4_pD223_DTA	Yes
mEmerald-CD81-10	No
pRK5-EGFP-Tau E14	No
NG2-YFP	No
pCMV3-C-His_SARS-CoV-2 (2019-nCoV) Spike RBD Gene ORF cDNA clone expression plasmid	No
pMetR-SPecto	No
human GPC1 donor plasmid	No
pD2528-CMV_B.1.1.526	No
pcDNA3 GFP PTEN	No
pD2528-CMV-B.1.351 Spike protein	No
mouse Smad4 donor plasmid	No
pRK5-EGFP-Tau	No
CAN-Pet 2B Clones 1-4	No
pD2528-CMV-C.37 Spike Protein	No
pD2528-CMV-QHD43416.1_C-trunc_400492	No
TK-TQ 004	No
pcDNA3-CFP	No
NG2-TK	No
pVax1-hVEGF165	No
pCMV3-mCD2	No
pPalmitoyl-mTurquoise2	No
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
mCherry-CD81-10	No
PDGFRB-TK –TOPO 11	No
C2 CANSTATIN pc BFT midi	No
pBS18	No
pCMV/SB11	No
pD2528-CMV	No
mCherry-Tsg101	No
pCMV3-CD40LG	No
pT3-N90-beta-catenin	Yes
MtPT4-eGFP	Yes
SB100X in pCAG globin pA	Yes
pT3-EF1A-MYC-IRES-luc	Yes
Perk K618A	No
pD2528-CMV_QHD43416.1_C-trunc-VSV-G-tm	No
ACE2-mFc	No

Non Viral Systems

pCMVTag4-Dicer	No
pD2538-CMV-mVEGF	No
pCAG-mGFP	No
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
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, PLX302 Luciferase-V5 puro
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

Cell Lines

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
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	20	0	0	0

Investigator : Humam N Kadara

Document No. : RM00003627-RN01_AM13

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
CD24 HDR plasmid (non-viral, co-transfected for puromycin selection)	No
Control CRISPR/Cas9 Plasmid	No
CD24 CRISPR/Cas9 Knockout (KO) plasmid (guide RNA)	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Adeno-associated virus serotype 6	Yes	Recombinant AAV
Adeno-associated virus serotype 5	Yes	Recombinant AAV
adenovirus Ad5mSPC-Cre-eGFP	Yes	pacAd5(9.2-100)sub360 viral backbone
adeno associated virus	Yes	sc-CMV
Lentivirus	No	pGIPZ
adenovirus Ad5mSPC-nteGFP	Yes	pacAd5(9.2-100)sub360 viral backbone
adenovirus Ad5mSPC-FLPo	Yes	pacAd5(9.2-100)sub360 viral backbone.
adenovirus Ad5CMVFLPO	Yes	pacAd5(9.2-100)sub360 viral backbone
Lentivirus	No	pLenti CMV V5-LUC
Ad5-hK14/Bgi-Cre	Yes	pacAd5(9.2-100)sub360 viral backbone

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Lung cancer cell line - 344SQ	Yes
FVBW-17 (gRNA control) - Mouse lung cancer cell-line	Yes
FM471-ctrl-gRNA-GFP/luciferase cells	Yes
293FT cells	No
LKR-13 Luciferase/GFP stable cells - Mouse lung cancer cell-line	Yes
mF471-CD24-gRNA-GFP/luciferase cells - mouse lung cancer cells	Yes
LKR-13(gRNA control) - Mouse lung cancer cell-line	Yes
FVBW-17 (CD24-gRNA) - Mouse lung cancer cell-line	Yes
Fvbw 17-GFP/luciferase cells - mouse lung cancer cells	Yes
LKR-13 (Mouse lung cancer cell-line)	Yes
mF471 Luciferase/GFP stable cells - mouse lung cancer cells	Yes
mF471 - mouse lung cancer cells	Yes
LKR-13 (CD24-gRNA) - Mouse lung cancer cell-line	Yes
FVBW-17 cells (Mouse lung cancer cells)	Yes
393P (Mouse lung cancer cell-line)	Yes

Microbial Agents

Name	Administered to Animals in Vivo
Influenza A	Yes
Sendai virus	Yes
DH5a cells	No

Biosafety Level : BSL2

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	20	0	0	0

Investigator : Giannicola Genovese
Document No. : RM00003694-RN01_AM3
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

Viral Systems

Virus System	Virus Administered to Animals	Backbones
[redacted]	Yes	[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]	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	20	0	0	0

Investigator : Luigi Perelli
Document No. : RM00008252-RN00_AM9
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
Lentivirus	No	pMD2.G, psPAX2, LentiCRISPR-V2
Adeno-associated virus	Yes	pEMS2158

Cell Lines

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

Microbial Agents

Name	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	20	0	0	0

Investigator : Sattva S Neelapu
Document No. : RM00000070-RN02_AM5
NIH Guidelines Category :
Agents :

Non Viral Systems

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

Viral Systems

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

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
[redacted]	Yes
[redacted]	Yes
[redacted]	No
[redacted]	Yes
[redacted]	No
[redacted]	Yes
[redacted]	Yes
[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	20	0	0	0

Investigator : Sachet Shukla

Document No. : RM00005758-RN00_AM11

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pcDNA3	No
mRNA	Yes

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pLV, pMD2.G, psPAX2, pHAGF-EF1a-HLA-IRES-Neo
Lentivirus	No	HLA-C*08:02 Lentivirus
Lentivirus	No	pLenti-P3A, pLenti-P3B, pLenti-P3C
Lentivirus	No	KRAS G12D-Specific TCR Lentivirus

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
GL261, murine Glioma	No
PBMC	No
LPM1203, PDX generated Lymphoma cells	No
Multiple myeloma	No
OCI-AML3, HL-60, MOLM-13 Myeloid cancer cells	No
Acute myeloid leukemia	No
K562, 721.221 human lymphoblastoid cell line	No
OMM2.3 Uveal melanoma	No
OMM2.5 Uveal melanoma	No
U-2932 B cell lymphoma	No
AsPC-1 Pancreatic cancer	No
HPAF-II pancreatic adenocarcinoma	No
U-2973 B cell lymphoma	No
HBL-1/T8204 B cell lymphoma	No
MiaPaca-2 Pancreatic cancer	No
LMPI300 B cell lymphoma	No
BJAB B cell lymphoma	No
HBL-1/CVCL_4213 B cell lymphoma	No
SKBR3 breast cancer	No
HepG2 Carcinoma Hepatocellular	No
COLO 829BL B cell lymphoma	No
HLY-1 B cell lymphoma	No
SC-1 Embryo	No
KARPAS 422 B cell lymphoma	No
HCC1395 BL breast carcinoma	No
Huh7 Hepatic Cancer	No
NU-DUL-1 B cell lymphoma	No
KARPAS299 T cell lymphoma	No
SUP-M2 T cell lymphoma	No
SU-DHL-1 B cell lymphoma	No
DOHH-2 B cell lymphoma	No
OCI-LY3 B cell lymphoma	No
Mac-2a T cell lymphoma	No
EJ-1 B cell lymphoma	No
39 Uveal Melanoma	No
OCI-LY7 B cell lymphoma	No
ANBL-6 Multiple mieloma	No
Farage B cell lymphoma	No
92-1 Uveal Melanoma	No

Cell Lines

SU-DHL-10 B cell lymphoma	No
MM1.S Multiple myeloma	No
Mel270 Uveal melanoma	No
BxPC-3 Pancreatic cancer	No
SU-DHL-16 B cell lymphoma	No
CFPAC-1 Pancreatic cancer	No
SUDHL-2 B cell lymphoma	No
MM28 Uveal melanoma	No
MIA PaCa-2 Pancreatic cancer	No
ATLL 84C Adult T-Cell Leukemia-Lymphoma	No
SUDHL-4 B cell lymphoma	No
MP38 Uveal melanoma	No
SU-DHL-5 B cell lymphoma	No
ATLL 97C Adult T-Cell Leukemia-Lymphoma	No
Panc 03.27 Pancreatic cancer	No
MP41 Uveal melanoma	No
SU-DHL-6 B cell lymphoma	No
PANC-1 Pancreatic cancer	No
MP46 Uveal melanoma	No
SU-DHL-8 B cell lymphoma	No
MP65 Uveal melanoma	No
PATC124 Pancreatic cancer	No
TMD-8 B cell lymphoma	No
HEK-293 kidney cells	No

Microbial Agents

Name	Administered to Animals in Vivo
E. coli (K12)	No

Biosafety Level : BSL2

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	20	0	0	0

Investigator : John Victor Heymach

Document No. : RM00000523-RN02_AM24

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

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]
[redacted]	No	[redacted]

Cell Lines

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

Cell Lines

[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	20	0	0	0

Investigator : Rafael Casellas
Document No. : RM00006115-RN00_AM10
NIH Guidelines Category :
Agents :

Non Viral Systems

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

Viral Systems

Virus System	Virus Administered to Animals	Backbones
[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]	No
[redacted]	Yes
[redacted]	Yes
[redacted]	Yes
[redacted]	Yes
[redacted]	Yes
[redacted]	Yes
[redacted]	Yes
[redacted]	Yes
[redacted]	Yes
[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	20	0	0	0

Investigator : Vidya Gopalakrishnan
Document No. : RM00000443-RN02_AM4
NIH Guidelines Category :
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
HA-ubiquitin	No
pcDNA3-myc3-p27	No
pcDNA3-myc-Skp2	No
ffluc/mKate	No
pcDNA3.1/ND2/REST	No
Flag-HA-USP37 C234S (mut)	No
pBeta-TRCP	No
Flag-HA-USP1	No
pcDNA3.1/ND2/REST	No
Flag-HA-USP37	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentiviral	No	pLKO.1 shRNA vector
Lentivirus	No	pLX304-PRMT8
Lentivirus	No	Puro.Cre

Viral Systems

Retrovirus	No	MigR1-REST-VP16;MigR1-REST C-term mut;Migr1-REST N-term mut
Retrovirus	No	pMSCVpuro
Lentivirus	No	pGIPZ lentiviral vector, shG9a, shHDAC1, shHDC2, shLSD1, shP27, shPRMT8, shRest
Retrovirus	No	pDEST
Lentivirus	No	pHAGE-EF1a-IRES-EGFP; pHAGE-EF1a-IRES-mkate2;pHAGE-EF1a-IRES-puro
Retrovirus	No	migR1-GFP; migR1-Rest-GFP; migR-Rest-DBD-GFP
Lentivirus	No	pLX304
Lentivirus	No	pRSI17-CB13K-U6-sh-HTS6-UbiC-TagGFP2-2A-Puro-W
Retrovirus	No	Migr1 Hes1;MigR1 Hes1-WRPW;MigR1 Hes1 N-term mut;MigR1 Hes1-bHLH-Orange;MigR1-RFP
Lentivirus	No	pVSV-G
Lentivirus	No	PsPax2
Lentivirus	No	SMARTvector hEF1a-TurboRFP

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Medulloblastoma	Yes
Embryonic kidney 293T cell	No
Diffuse Intrinsic Pontine Glioma	Yes
AT/RT (teratoid/rhabdoid tumor)	Yes
Mouse Brain Progenitor Cells	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E. coli-DH5alpha	No
E. coli-OmniMAX™ 2 T1	No
E. coli-DH10B	No
E. coli-Stbl3	No

Biosafety Level : BSL2

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	20	0	0	0

Investigator : Luhua Wang

Document No. : RM00005459-RN00_AM14

NIH Guidelines Category :

Agents :

Viral Systems

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

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
[redacted]	Yes
[redacted]	No
[redacted]	No
[redacted]	No
[redacted]	No
[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	20	0	0	0

Investigator : Humam N Kadara

Document No. : RM00003782-RN01_AM11

NIH Guidelines Category :

Agents :

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
H2122 human lung cancer cell	Yes
H358 human lung cancer cell line	Yes
H441 human lung cancer cell	Yes

Microbial Agents

Name	Administered to Animals in Vivo
Lactococcus lactis NZ9000	Yes
Lactobacillus acidophilus NCFM	Yes
Escherichia coli Nissle 1917	Yes
Mouse Fecal Microbiota	Yes
Akkermansia muciniphila	Yes
Alistipes finegoldii	Yes
Bifidobacterium animalis subsp. Lactis	Yes

Microbial Agents

Lactobacillus rhamnosis GG	Yes
Enterococcus faecalis	Yes
Enterococcus faecium	Yes
Fusobacterium nucleatum (ATCC 25586)	Yes
Porphyromonas gingivalis (ATCC 33277)	Yes
Mycolicibacterium aurum	Yes
Oral Microbiota Transfer	Yes
Bifidobacterium psuedolongum	Yes
Limosilactobacillus reuteri	Yes
Bacteroides sartorii	Yes
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	20	0	0	0

Investigator :	Michael Andreeff
Document No. :	RM00002986-RN01_AM3
NIH Guidelines Category :	
Agents :	

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus (pLT)	No	pLT
Lentivirus	No	pTRIPZ
Lentivirus (pcclsin)	No	pcclsin
Lentivirus (pLKO)	No	pLKO

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Mouse primary cells	Yes
PDX AML cells	Yes
primary mouse bone marrow cells	Yes
HEK293T Human kidney	No
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	20	0	0	0

Investigator :	Humam N Kadara
Document No. :	RM00008505-RN00_AM2
NIH Guidelines Category :	
Agents :	

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Adeno-associated virus	Yes	Recombinant AAV

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
VERO E6	No
KPAR1.3_Lung cancer	Yes

Microbial Agents

Name	Administered to Animals in Vivo
SARS-CoV-2 (MA10 strain)	Yes
SARS-CoV-2	Yes
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	20	0	0	0

Investigator :	Humam N Kadara
Document No. :	RM00003782-RN01_AM10
NIH Guidelines Category :	
Agents :	

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
H2122 human lung cancer cell	Yes
H358 human lung cancer cell line	Yes
H441 human lung cancer cell	Yes

Microbial Agents

Name	Administered to Animals in Vivo
Lactococcus lactis NZ9000	Yes
Lactobacillus acidophilus NCFM	Yes
Escherichia coli Nissle 1917	Yes
Mouse Fecal Microbiota	Yes
Akkermansia muciniphila	Yes
Alistipes finegoldii	Yes
Bifidobacterium animalis subsp. Lactis	Yes
Lactobacillus rhamnosis GG	Yes
Enterococcus faecalis	Yes
Enterococcus faecium	Yes
Fusobacterium nucleatum (ATCC 25586)	Yes
Porphyromonas gingivalis (ATCC 33277)	Yes

Microbial Agents

Mycolicibacterium aurum	Yes
Oral Microbiota Transfer	Yes
Bifidobacterium psuedolongum	Yes
Limosilactobacillus reuteri	Yes
Bacteroides sartorii	Yes
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	20	0	0	0

Investigator : Kristen Pauken
Document No. : TA00006318-RN00_AM20
NIH Guidelines Category :
Agents :

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

Biosafety Level :
Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	20	0	0	0

Investigator : Tina Cascone
Document No. : RM00003599-RN01_AM6
NIH Guidelines Category :
Agents :

Non Viral Systems

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

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
[redacted]	Yes
[redacted]	No
[redacted]	Yes
[redacted]	Yes
[redacted]	No
[redacted]	Yes
[redacted]	
[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	20	0	0	0

Investigator : Raghu Kalluri
Document No. : RM00000518-RN02_AM70
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

Non Viral Systems	
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 K11Fl 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
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

Non Viral Systems

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
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
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-

Viral Systems

		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, PLX302 Luciferase-V5 puro
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
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	20	0	0	0

Investigator : Ronald A DePinho

Document No. : RM00000627-RN02_AM19

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

Non Viral Systems

pTRE-Tight	No
pCMV, PCMV deltaR8.74, pCMV5, pCMV6	No
pCDNA, pCDNA3, pCDNA3.1	No
pCAG-pBase	No
pGL4	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus/packaging virus	No	pRSV-Rev, pMD2.G, pMD-VSVG; pAX2
Retro	No	pBabe, pWZL, pMSCV, MSGV-1-1G4 backbone
Lentivirus	No	NY-ESO-1 TCR, pLenti, pTomo, pCCL-cppt-PGK-WPRE
Lentivirus	No	pLV-CMV51-Halo-ARAF, R747-M61-663, pLenti, CRISPR/ Cas9, pLentiCRISPRv2, SMARTvector
Lentivirus/ shRNA	No	pLX304-V5, 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
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
Melanoma cell lines (M407, A375)	Yes
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
Colon cancer cell lines (HT-29, SW-480)	Yes
Lung derived from metastatic sites (e.g., H2052, H2B)	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	20	0	0	0

Investigator :	Guillermina Lozano
Document No. :	RM00000681-RN02_AM6
NIH Guidelines Category :	
Agents :	

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pCEP	No
pVSVG	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
retroviruses	No	pBABE
lentivirus	Yes	pLentiCRISPRv2, pLentiGuidePuro
Lentivirus	No	mTKOv3
Lentivirus	Yes	pLenti
lentivirus	Yes	pGIPZ, pLOC
AAV	Yes	Av8
adenovirus	Yes	Ad5

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
mouse embryo fibroblasts	No
breast cancer tissue	No
breast cancer cell line MCF10A	No
murine breast cancer cell lines	Yes
osteosarcoma cell lines	Yes
human embryonic kidney 293T cells	No
Osteosarcoma cells SaOs2	Yes
mammary gland ducts	No

Microbial Agents

Name	Administered to Animals in Vivo
E. coli Stbl3	No

Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

9. ANNUAL REVIEWS

20-yes; 0-no; 0-abstain; 0-recuse

Investigator :	Elizabeth Shpall
Document No. :	RM00007374-RN00_AR002

Investigator :	Ju-Seog Lee
Document No. :	RM00002311-RN01_AR004

Investigator :	Sankaranarayanan Kannan

Document No. :	RM00007945-RN00_AR001
Investigator :	Maria Morelli
Document No. :	RM00007298-RN00_AR002
Investigator :	Alejandro Aballay
Document No. :	RM00007355-RN00_AR002
Investigator :	Rahul Anil Sheth
Document No. :	RM00005797-RN00_AR004
Investigator :	Palaniraja Thandapani
Document No. :	RM00006351-RN00_AR003
Investigator :	Huifang Lu
Document No. :	RM00007288-RN00_AR002
Investigator :	Sarina Anne Piha-Paul
Document No. :	RM00007303-RN00_AR002
Investigator :	Mark T Bedford
Document No. :	RM00000399-RN02_AR004
Investigator :	Cassian Yee
Document No. :	RM00000378-RN02_AR002
Investigator :	Kelly Bree
Document No. :	RM00007270-RN00_AR002
Investigator :	Jeremy Ramdial
Document No. :	RM00007371-RN00_AR002
Investigator :	Joya Chandra
Document No. :	HA00007484-RN00_AR002
Investigator :	Sharada Mokkapati
Document No. :	RM00006624-RN00_AR003
Investigator :	John Paul Shen
Document No. :	RM00006505-RN00_AR003
Investigator :	Haoqiang Ying
Document No. :	RM00003884-RN01_AR002
Investigator :	Neeraj Saini
Document No. :	RM00007399-RN00_AR002
Investigator :	Peiying Yang
Document No. :	RM00007442-RN00_AR002
Investigator :	Chitra Hosing
Document No. :	RM00007370-RN00_AR002
Investigator :	Liuqing Yang
Document No. :	RM00007396-RN00_AR002
Investigator :	Albert Koong
Document No. :	RM00002797-RN01_AR003
Investigator :	Sattva S Neelapu
Document No. :	RM00006272-RN00_AR003
Investigator :	Aloke Sarkar
Document No. :	RM00006097-RN00_AR003
Investigator :	Tina Cascone
Document No. :	HA00005804-RN00_AR004
Investigator :	Farhad Ravandi-Kashani
Document No. :	RM00007316-RN00_AR002
Investigator :	Zhibin Zhang
Document No. :	RM00005882-RN00_AR004
Investigator :	Liuqing Yang
Document No. :	RM00008126-RN00_AR001
Investigator :	Marcos Roberto Estecio
Document No. :	RM00000418-RN02_AR003
Investigator :	Rugang Zhang
Document No. :	RM00006480-RN00_AR003
Investigator :	Han Xu
Document No. :	RM00002427-RN01_AR004
Investigator :	Humam N Kadara
Document No. :	RM00003782-RN01_AR002
Investigator :	David Marin
Document No. :	RM00005456-RN00_AR004
Investigator :	Michael Kim
Document No. :	RM00002360-RN01_AR004
Investigator :	Yixin Yao
Document No. :	RM00007935-RN00_AR001
Investigator :	Scott Evans
Document No. :	RM00000495-RN03_AR001

Investigator :	Katy Rezvani
Document No. :	RM00008166-RN00_AR001
Investigator :	Eugenie S Kleinerman
Document No. :	RM00000673-RN02_AR002

10. TERMINATIONS

20-yes; 0-no; 0-abstain; 0-recuse

Investigator :	Powel H Brown
Document No. :	RM00000548-RN02
Investigator :	Powel H Brown
Document No. :	RM00000549-RN02
Investigator :	Maura Gillison
Document No. :	RM00007767-RN00
Investigator :	David Sanghyun Hong
Document No. :	RM00002084-RN01
Investigator :	Rosa Frances Hwang
Document No. :	RM00003675-RN01
Investigator :	Rosa Frances Hwang
Document No. :	TA00003677-RN01
Investigator :	Jennifer Leigh McQuade
Document No. :	RM00008062-RN00
Investigator :	Sattva S Neelapu
Document No. :	RM00002208-RN01
Investigator :	Manisha Singh
Document No. :	RM00003257-RN01

11. OLD BUSINESS ITEMS

There are no such business items for this meeting.

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