

INSTITUTIONAL BIOSAFETY COMMITTEE MINUTES
 Recombinant DNA(RM)
 Meeting #270
 Tuesday, November 11, 2025
 Hybrid - In Person Location FCT3 3 and 6 - 1:00 PM

Members Present

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

Members Absent

Kwong K Wong, Professor
 Shilpa S. Dhar, Assistant Professor
 Guocan Wang, Associate Professor
 Yang Lu, Supv, Laboratory & Research
 Humam N Kadara, Professor

Community Members Present

Others Present

Robert Plant, Safety Specialist
 Allyson Wakefield, Program Manager
 Madeline McAllister, Compliance Analyst
 Tekchheng Tam, Safety Specialist
 Garlen F Yeager Jr, Principal Safety Specialist
 Joseph E Jacobs, Safety Specialist
 Brittany N Kleb, Assoc Dir, Institutional Compl
 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, October 14, 2025	14	0	10	0

2. CONFLICT OF INTEREST RECUSAL

Attendee	Project	Comment
Humam N Kadara	RM00008505-RN00	Dr. Kadara is the PI of this registration.

3. REPORT OF THE ADVERSE EVENTS

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

4. REPORT OF THE SAFETY COMMITTEE

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

5. REPORT OF RECOMBINANT DNA (RM) SUBCOMMITTEE

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

6. NEW PROTOCOLS

BSL 1: NEW PROTOCOLS

There are no new protocols to review for this meeting.

NEW TRANSGENIC ANIMAL PROTOCOLS:

There are no new protocols to review for this meeting.

BSL 2: NEW PROTOCOLS

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	24	0	0	0

Investigator : Humam N Kadara
 Document No. : RM00008505-RN00
 NIH Guidelines Category : III-D-4-b.
 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
-----------	--

BSL 2: NEW PROTOCOLS

Cell Lines

VERO E6	No
KPAR1.3_Lung cancer	Yes

Microbial Agents

Name	Administered to Animals in Vivo
SARS-CoV-2	Yes

Room Numbers

Room No.	Description
LSP12.5028	Research/Non-Class Laboratory- Wet Lab
SB.8221	Animal Facilities
S1.8440	Animal Facilities
S1.8428	Animal Quarters Service
LSP12.5024	Tissue Culture Facility
SB.8228	Animal Quarters Service
S1.8461	Animal Quarters Service
Biosafety Level :	BSL2
Meeting Notes :	The PI plans to study whether SARS-CoV-2 induces lung injury that leads to the proliferation of alveolar intermediate cells, which, when they persist in the lung, are more likely to acquire mutations/alterations and transition to lung cancer. As result, the virus will be intranasally administered to animals in vivo. The work also includes lentiviral and cells for use in vivo. All agents are RG2, and ACUF is current.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	24	0	0	0

Investigator : Ayushi Chauhan
Document No. : RM00008238-RN00
NIH Guidelines Category : III-C-1.
Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	Anti-CD19 CAR vector used (SIN) and replication-incompetent lentiviral vector (LVV) derived from human immunodeficiency virus type 1 (HIV-1) and pseudotyped with the glycoprotein G of the vesicular stomatitis virus (VSV-G)

Cell Lines

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

Room Numbers

Room No.	Description
R1.1130	Diagnostic Service Laboratory
Biosafety Level :	BSL2
Meeting Notes :	The goal of this protocol is to evaluate the safety and efficacy of lisocabtagene maraleucel as a first-line treatment in adults with transplant-ineligible Primary Central Nervous System Lymphoma (PCNSL). Liso-cel is a CD19-directed, genetically modified autologous T cell immunotherapy. CAR-T cells will be transduced using a lentiviral vector encoding an anti-CD19 construct. The resulting liso-cel product will be manufactured at the sponsor's facility, shipped to MD Anderson, and subsequently infused into patients. IRB approval is pending.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	24	0	0	0

Investigator : Michael Wotman
Document No. : RM00008410-RN00
NIH Guidelines Category : III-C-1.
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
Synthetic liposome	No

Room Numbers

Room No.	Description
P14.2910	Diagnostic Service Laboratory
R10.1878B	Pharmacy
R2.2346	Pharmacy
Biosafety Level :	BSL2
Meeting Notes :	The goal of this Phase II randomized trial is to evaluate the efficacy, tolerability, and safety of BNT113, administered either as monotherapy or in combination with pembrolizumab, inpatients with HPV16-positive head and neck squamous cell carcinoma. BNT113 is an mRNA-based cancer immunotherapy that encodes a fixed set of two HPV16-associated oncoproteins, E6 and E7, which are frequently found in these tumors. The vaccine is manufactured and released at the sponsor's facility, shipped as frozen concentrates, and subsequently thawed, diluted, and administered to patients. IRB is current.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	24	0	0	0

Investigator : Yago Nieto
Document No. : RM00008472-RN00
NIH Guidelines Category : III-C-1.
Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
retroviral	No	pSFG4

BSL 2: NEW PROTOCOLS

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
Z5.2040	Research/Non-Class Laboratory- Wet Lab
Z5.2038	Research/Non-Class Laboratory- Wet Lab
Z5.2042	Research/Non-Class Laboratory- Wet Lab
B1.4409B	Pharmacy
R2.2346	Pharmacy
R10.1878B	Pharmacy
ACB8.2046	Chemo IV Prep Room (Pharmacy)
R1.1007	Healthcare Treatment/Examination
Biosafety Level :	BSL2
Meeting Notes :	This is a clinical Phase I/II trial with bispecific antibody Epcoritamab and humanized Fc-modified cytolytic C19 antibody Tafasitamab with Onc-PluReceptor NK cells Retrovirus production is commercially sourced and will be sent directly to the MDACC GMP NK cell transduction manufacturing site. Viral transduction will occur only in the cord blood derived NK cells. The NK cells will be grown with uAPC helper cells (myeloid cells) which are also included in the IBC protocol. The associated IRB protocol is approved.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	24	0	0	0
Investigator :	Francois Villinger			
Document No. :	RM00008494-RN00			
NIH Guidelines Category :	III-D-4-b.			
Agents :				

Viral Systems	
Virus System	Virus Administered to Animals
Influenza A	Yes
Backbones	
Influenza H1N1 (A/California/04/2009) & Influenza H3N2	

Cell Lines	
Cell Line	Cell Lines Administered to Animals in Vivo
Autologous Natural Killer Cells	Yes
Room Numbers	
Room No.	Description
VLA1.MP3	Animal Facilities
VLA1.MP6	Animal Facilities
BRE1.3318	Research/Non-Class Laboratory- Wet Lab
VLA1.MP2	Animal Facilities
BRE1.2113	Chemical Fume Hood Room
BRE1.4107	Research/Non-Class Laboratory- Wet Lab
BRE1.2409	Animal Necropsy
VLA1.MP7	Animal Facilities
Biosafety Level :	BSL2
Meeting Notes :	The goal of this study is to interrogate the role of natural killer cells and their memory activity in the control of influenza infection. As result, the proposed study uses replication-competent RG2 influenza A strains (H1N1 and H3N2) in cynomolgus macaques along with adoptive transfer of primary NK cells. BSL2+ safety measures are required, such as double gloves, N95 respirator and shoe covers. IACUC protocol is current.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	24	0	0	0
Investigator :	Steven Hshesheng Lin			
Document No. :	RM00008451-RN00			
NIH Guidelines Category :	III-D-4-a.			
Agents :				

Non Viral Systems	
Technical Name	Is Whole Animal Used as Host
	Yes

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

Room Numbers	
Room No.	Description
Z7.4026	Research/Non-Class Laboratory- Wet Lab
SB.8208	Animal Facilities
Biosafety Level :	BSL2
Meeting Notes :	The goal of the study is to demonstrate immune response in mice by injection of , with the overall objective of evaluating its anti-tumor effects. The experimental plan includes from commercial cell lines in mice and treating mice with immune check point inhibitors with or without . There are no viral vectors in the study. ACUF is current.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	24	0	0	0
Investigator :	Sara Zanivan			
Document No. :	RM00008452-RN00			
NIH Guidelines Category :	III-D-3-a.			
Agents :				

BSL 2: NEW PROTOCOLS

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pCMV6-AC-GFP, pX458, pMD2.G	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pLV, Lenti-guide-blast, pLCV2,pSUPER-Retro-Puro

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
immortalized fibroblast	No
Phoenix	No
Cancer Associated Fibroblasts	No

Microbial Agents

Name	Administered to Animals in Vivo
E coli DH5alpha	No

Room Numbers

Room No.	Description
4SCR3.2001	Tissue Culture Facility
Biosafety Level :	BSL2
Meeting Notes :	This project investigates how fibroblasts influence cancer growth and progression. To achieve this, primary mouse cancer-associated fibroblasts will be genetically manipulated using plasmid and lentiviral vectors. These tools will be used to immortalize the cells and perform gain- and loss-of-function studies through overexpression, shRNA, and CRISPR-based approaches. Eight target genes will be studied in vitro using mouse cells to elucidate their roles in fibroblast-mediated tumor biology. The source of the primary mouse cancer associated fibroblasts is not clear. This is noted as contingency and the protocol may require an amendment depending on the PI's response.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	24	0	0	0

Investigator : Muzaffar H Qazilbash
Document No. : RM00008498-RN00
NIH Guidelines Category : III-C-1.
Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Retrovirus	No	pSFG4 (MoMLV-based) RD114 env
Retrovirus	No	pSFG (MMLV retroviral) Galv env

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
Z5.2038	Research/Non-Class Laboratory- Wet Lab
Z5.2031A	Tissue Culture Facility
Z5.2030	Research/Non-Class Laboratory- Wet Lab
Z5.2042	Research/Non-Class Laboratory- Wet Lab
Z5.2025B	Research/Non-Class Laboratory- Wet Lab
Z5.2037B	Flex Wet Lab
Z5.2031B	Tissue Culture Facility
Z5.2025A	Research/Non-Class Laboratory
Z5.2039	Chemical Fume Hood Room
Z5.2026	Research/Non-Class Laboratory- Wet Lab
Z5.2043	Equipment Space
Z5.2029	Cold Room/Walk-in
Z5.2040	Research/Non-Class Laboratory- Wet Lab
Z5.2037	Equipment Space
Z5.2036	Research/Non-Class Laboratory- Wet Lab
Z5.2034	Research/Non-Class Laboratory- Wet Lab
Z5.2023	Tissue Culture Facility
Z5.2033	Tissue Culture Facility
Z5.2025	Equipment Space
Z5.2027	Chemical Fume Hood Room
Z5.2031	Equipment Space
Z5.2035	Tissue Culture Facility
Z5.2028	Research/Non-Class Laboratory- Wet Lab
Z5.2025C	Research/Non-Class Laboratory- Wet Lab
Z5.2032	Research/Non-Class Laboratory- Wet Lab
Z5.2041	Cold Room/Walk-in
Z5.2037C	LN2 Storage
Z5.2024	Research/Non-Class Laboratory- Wet Lab
Biosafety Level :	BSL2
Meeting Notes :	This Phase I/II trial investigates cord blood-derived NK cells engineered with NY-ESO-1 TCR and IL-15 for treating relapsed/refractory multiple myeloma. NK cells are genetically modified using retroviral vectors and expanded in vitro with helper cells expressing IL-21, 41BBL, and CD48 to achieve therapeutic doses. Correlative studies on patient blood and tumor samples will evaluate NK cell persistence, tumor markers, cytokine profiles, and gene expression. IRB approval for cord blood cell use is secured; PI change approval is pending.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	24	0	0	0

Investigator : Joseph A Ludwig

BSL 2: NEW PROTOCOLS

Document No. :
NIH Guidelines Category :
Agents :

RM00004709-RN01
III-D-1-a.

Viral Systems

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

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
MG63.2 Osteosarcoma	Yes
MG63 Osteosarcoma	Yes
OS-D Osteosarcoma	Yes
TC71 Ewing sarcoma	Yes
293T cells	No
A673 Ewing sarcoma	Yes
ES8 Ewing sarcoma	Yes

Microbial Agents

Name	Administered to Animals in Vivo
NEB Stable E. coli	No

Room Numbers

Room No.	Description
4SCR2.2007	Tissue Culture Facility
PPB1.645	Animal Facilities
Biosafety Level :	BSL2
Meeting Notes :	The goal of this research project is to generate stable human Ewing sarcoma and osteosarcoma cell lines expressing a destabilizing domain (DD) to conditionally control the abundance of YAP protein through a small-molecule stabilizer both in vitro and in vivo. Cell lines from commercial sources will be transduced with lentiviral vectors, and cell lines will be administered to animals in vivo. ACUFs are current.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	24	0	0	0

Investigator :
Document No. :
NIH Guidelines Category :
Agents :

Funda Meric-Bernstam
RM00001117-RN02
III-D-3-a.

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pLKO-Luc

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
HEK-293T	No
Breast cancer	No

Room Numbers

Room No.	Description
Z12.4021B	Flex Wet Lab
Z12.4023	Chemical Fume Hood Room
Biosafety Level :	BSL2
Meeting Notes :	The proposed study will identify partner genes that have synthetic lethal interaction with the PI3K pathway. The goal is to identify optimal therapy of TNBC with PI3K inhibitors in combination with targeting these partner genes. The study will be conducted using in vitro tumor cell line models and lentiviral agents. No animal work is proposed.

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	24	0	0	0

Investigator :
Document No. :
NIH Guidelines Category :
Agents :

Pawel Mazur
TA000002050-RN01_AM8
III-D-4-a.

Species	ACUF#	Genes Inserted	Genes Deleted
Mouse	00001636-RN03	ROSA26-LSL-MEK5(S311D, T315D) , LSL-Sox2, LSL-GNAS(R201H), Pdx1-CreER, Pdx1-FlpO, FSF-Kras(G12D), NFIB, ROSA26-LSL-Sf3b1(K700E), H1.11 - Cas9, Anxa10-CreERT2, L-Myc, Rps9(D95N), H11-LSL-dCAS9-VPR;rttA (CRISPRa), ROSA26-LSL-PRDM9, ROSA26-LSL-tdTomato, I-Ppol (ERT2-HA-I-Ppol-IRES-GFP), Col11-FSF-SOX2-PIK3CA-PRKCI-ECT2 (SPPE), H11-LSL-dCAS9-KREB-MePC3; rrtA (CRISPRi), ROSA26-LSL-PIK3CA(H1047R), Ptf1a-FlpO-DHFR, Tff1-CreERT2, Antares (fusion of NanoLuc and CyOFP1 proteins), Col11-FSF-NFIB-MYC-CreDHFR (NMC), ROSA26-Cas9, Ptf1-Cre, CDX2P-CreERT2, ROSA26-LSL-ASH1L(E2171K) , Ptf1-FlpO, ROSA26-CreERT2, SIRT7, ROSA26-LSL-PRDM14, RPL22-HA (RiboTag), LSL-Kras(G12D), CMV-Cre, ROSA26-LSL-WHSC1L1(E1193K), LSL/FSF-Kras(G12C), H11-LSL-dCAS9-KREB-MePC3;rttA, ROSA26-LSL-IKK2ca, LSL-EGFR-L858R, Stra8-Cre, CARM1, Ptf1-CreERT2, ROSA26-LSL-NSD2(E1099K), ROSA26-FlpO-ER	METTL10, NSD1, SETD6, LKB1, SMYD4, eEF1a-KMT4, METTL22C, KEAP1, ERK5, SMYD3, MEN1, NSD2, METTL21B, CDYL, SETD3, SOCS3, RBM10, METTL13, METTL3, SETD2, N6AMT2, NSD3 (WHSC1L1), METTL16, RBL1, SETDB1, SIRT7, METTL21A, STAT3, ARID1a, MST1/MST2, RB1, ATRX, YAP1, Cdkn2a/b (INK/ARF), ASH2L, p53, SRF, RBL2, SMYD2, METTL5, METTL24, CARM1, RBM6, PTEN, SMYD5 , MSH2, I10, ASH1L, SETD4, SETD5, SUV420H2, SMAD4, METTL18, SUV420H1, DSTYK

Biosafety Level :
BSL1

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	24	0	0	0
Investigator :	Jonathan M Kurie			
Document No. :	RM00000566-RN03_AM1			
NIH Guidelines Category :	III-D-1-a.			
Agents :				
Non Viral Systems				
Technical Name	Is Whole Animal Used as Host			
miR200 promoter/pGL3-basic	No			
pGL3-PMT-miR-34a	No			
mCherry-Golgi-7	No			
EGFP-GalT (pEGFP-N1)	No			
E-cadherin-GFP	No			
pSGHP1	No			
miR34a promoter/pGL3-basic	No			
CRISPR/Cas9	No			
pEGFP ZO1	No			
IGFBP2_GFP	No			
pCMV6-p85alpha-Flag	No			
pIRES2-EGFP	No			
CAS9GFP2	No			
RAB6A_GFP	No			
EGFP_GalNAC (CellLight™ Golgi-GFP *BacMam 2.0*)	No			
393P-pEGFP-C3; 393P-pEGFP-C3-PAQR11; 393P-pEGFP-C3-PAQR11-ΔN; and 393P-pEGFP-C3-PAQR11-ΔC	No			
EGFP_GM130	No			
pEGFP-C3	No			
pcDNA3-EGFP-Rac1-wt	No			
pcDNA 3.1	No			
CAS9GFP2-mLH2	No			
CMV-CAS9-2A-GFP	No			
pEGFP Centrin2 (Nigg UK185)	No			
pSpCas9(BB)-2A-GFP (PX458)	No			
mCherry-Gamma-Tubulin-17	No			
mCherry-Beta-Catenin-20	No			
pGL3-control vector	No			
pET His6 MBP TEV LIC cloning vector	No			
pGL3-basic	No			
CRISPR/Cas9	No			
pEGFP-VSVG	No			
344SQ-pEGFP-C3; 344SQ-pEGFP-C3-PAQR11; 344SQ-pEGFP-C3-PAQR11-ΔN; and 344SQ-pEGFP-C3-PAQR11-ΔC	No			
P1	No			
Zeb1/pcDNA 3.1	No			
CAS9GFP2-hLH2	No			
Viral Systems				
Virus System	Virus Administered to Animals		Backbones	
Lentivirus	No		lentiCRISPRv2 (lentiCRISPRv2-GOLGIN45/GRASP55-sgRNAs-pLVX-HA-GOLGIN45-deltaIDR2, lentiCRISPRv2-GOLGIN45/GRASP55-sgRNAs-pLVX-HA-GOLGIN45-deltaIDR3, lentiCRISPRv2-GOLGIN45/GRASP55-sgRNAs-pLVX-HA-GOLGIN45-WT)	
Lentivirus	No		pLKO.1 puro (pLKO.1-puro-shRNA)	
Lentivirus	No		pLVX-Puro-HA	
Lentivirus	No		lentiCRISPRv2 (lentiCRISPRv2-GOLGIN45/GRASP55-sgRNAs-pLKO.1-BRAT1/CPEB2/KLF13/LSR/SSP1-shRNA)	
Lentivirus	No		lentiCRISPRv2 (lentiCRISPRv2-GOLGIN45-sgRNAs, lentiCRISPRv2-GRASP55-sgRNAs, lentiCRISPRv2-GOLGIN45/GRASP55-sgRNAs)	
Lentivirus	No		pLVX-Puro-HA (pLVX-Puro-HA-GOLGIN45-L400R, pLVX-Puro-HA-GOLGIN45-NLS MT, pLVX-Puro-HA-GOLGIN45-WT)	
Retroviral	No		pBABE-hygro	
Lentivirus	No		plenti 4.1(GFP) and plenti 4.1-miR200b	
Lentivirus	No		pCMV-VSV-G	
Lentivirus	No		PQCXIX-LUC	
Lentivirus	No		Cerulean/LeGo-Cer2 (mCAFs-Cerulean/LeGo-Cer2; mLFs-Cerulean/LeGo-Cer2; huCAFs-Cerulean/LeGo-Cer2; huLFs-Cerulean/LeGo-Cer2)	
Lentivirus	No		pLKO.1 (Scramble shRNA)	
Lentivirus	No		pLKO.1 (344SQ-pLKO.1-Rock1 shRNA; 344SQ-pLKO.1; 393P-Zeb1-pLKO.1-Rock1 shRNA; 393P-Zeb1-pLKO.1)	
Lentivirus	No		pEF-Bsr	
Lentivirus	No		pLKO.1 (Rock1 shRNA)	
Lentivirus	No		pLVX-Puro (H1299-pLVX-Puro-vector; H1299-pLVX-Puro-miR148a; H1299-pLVX-Puro-miR206)	
Lentivirus	No		pLV711G (344SQ-pLV711G)	
Lentivirus	No		PQCXIX (344SQ-PQCXIX-LUC; KC2-PQCXIX-LUC; H1299-PQCXIX-LUC; H157-PQCXIX-LUC; A549-PQCXIX-LUC; H441-PQCXIX-LUC)	
Retroviral	No		pBABE-puro	
Lentivirus	No		pLKO.1 puro (pLKO.1-GFP-shRNA)	
Lentivirus	No		pFIV (pFIV-H1-copGFP)	

Viral Systems

Lentivirus	No	pLKO.1 (344SQ-pLKO.1-shGFP; 344SQ-pLKO.1-shPAQR11#1; 344SQ-pLKO.1-shPAQR11#3)
Lentivirus	No	pLKO.1 (H1299-pLKO.1-shGFP; H1299-pLKO.1-shPAQR11#2; H1299-pLKO.1-shPAQR11#4)
Lentivirus	No	pLVX-Puro (344SQ-pLVX-Puro-vector; 344SQ-pLVX-Puro-miR148a; 344SQ-pLVX-Puro-miR206)
Lentivirus	No	pLKO.1 (531LN2-pLKO.1-shGFP; 531LN2-pLKO.1-shPAQR11#1; 531LN2-pLKO.1-shPAQR11#3)
Lentivirus	No	pLV711G (miR200)
Lentivirus	No	psPAX2
Lentivirus	No	pLVX-Puro (393P-pLVX-puro vector; 393P-pLVX-puro-PAQR11; H226-pLVX-puro vector; H226-pLVX-puro-PAQR11)
Lentivirus	No	pLKO.1 (pLKO.1-mouse LH2 shRNA 1 & 2)
Lentivirus	No	pGIPZ lentiviral shRNA
Lentivirus	No	pLKO.1 (shDctn1)
Lentivirus	No	pHAGE-DEST
Lentivirus	No	Cerulean/LeGo-Cer2
Lentivirus	No	Precision LentiORFs
Lentivirus	No	pLVX-Puro (KC4-pLVX-Puro-Vector; KC4-pLVX-Puro-LH2-WT; KC4-pLVX-Puro-LH2-D689A; KC4-pLVX-Puro-LH2-DN; KC4-pLVX-Puro-LH2-LOX)
Lentivirus	No	pGIPZ
Lentivirus	No	pLV711G (miR34a)
Lentivirus	No	pFIV (miR34a/pFIV-H1-copGFP)
Lentivirus	No	pLV711G (344SQ-pLV711G-miR34a)
Lentivirus	No	pLKO.1 (TRC Control)
Lentivirus	No	mCherry_pLVX-Puro
Lentivirus	No	pLKO.1 - TRC cloning vector (no stuffer) (pLKO.1 hygro)
Lentivirus	No	pLV711G
Lentivirus	No	pLKO.1 (pLKO.1-shRNA PAQR11 #1; #2; #3 and #4)
Retroviral	No	pBABE-puro-mTert
Lentivirus	No	pLVX-Puro
Lentivirus	No	pLVX_Puro2
Lentivirus	No	pLVX_Bsr
Lentivirus	No	lentiCRISPR v2
Retroviral	No	pBabe hygro myc p110-CAAX
Lentivirus	No	pMD2.G
Lentivirus	No	pLKO.1 (TRC cloning vector)
Lentivirus	No	pRRLSIN (pLKO.1 neo)
Lentivirus	No	pEF-Puro2
Lentivirus	No	pLVX-Puro (531LN2-pLVX-Puro-vector; 531LN2-pLVX-Puro-miR148a; 531LN2-pLVX-Puro-miR206)
Lentiviral and CRISPR	No	pHR-SFFV-KRAB-dCas9-P2A-mCherry
Lentivirus	No	pTRIPZ

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Human lung fibroblast cells (CAFs and LFs)	No
mouse lung cancer cells (344SQ, 344P, 531LN1, 531LN2, 393P, 393LN, KC1, KC2, KC3, KC4)	Yes
mouse lung cancer cells (LKR13, 307P, 412P, K1, K2)	No
fibroblast cells (NIH3T3)	No
Mouse embryonic fibroblasts(MEF, H2, H3, G7, G8)	No
Mouse preosteoblast(MC3T3-E1 Subclone 4)	No
Chinese hamster ovary cells (CHO cell line)	No
epithelial cells (HEK293T)	No
Mouse lung fibroblast cells (CAFs and LFs)	Yes
mouse lung squamous cancer cell lines (Trp53-/-; Kmt2d-/- and Trp53-/-; Pten-/-)	Yes
Human lung cancer cells (H520, H596, CALU-1)	No
retrovirus packaging cell line (PT67)	No
Human lung cancer cells (A549, H1299, H441, H358, H1650, H460, H2122, H23, H1395, H3122)	Yes
Human lung cancer cells (H157, H226, HCC95)	No

Microbial Agents

Name	Administered to Animals in Vivo
E.coli stb13	No
E.coli DH5 alpha	No
Biosafety Level :	BSL2
Meeting Notes :	This amendment added new plasmids, cell lines, and genes. The ACUF protocol number was updated.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	24	0	0	0
Investigator :	Stephanie S Watowich			
Document No. :	RM00002256-RN01_AM6			
NIH Guidelines Category :	NA			
Agents :				

Microbial Agents

Name	Administered to Animals in Vivo
Citrobacter rodentium	Yes
Biosafety Level :	BSL2
Meeting Notes :	The amendment updates IACUC protocol number.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	24	0	0	0
Investigator :	Aria Vaishnavi			

Document No. :

RM00006133-RN00_AM23

NIH Guidelines Category :

III-D-4-b.

Agents :

Non Viral Systems

Technical Name		Is Whole Animal Used as Host
pX333		No
Viral Systems		
Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pLV[Exp]-Bsd-TRE>HA/HA/HA/hKRAS, pLV[Exp]-Puro-CMV>EGFP(ns):T2A:Cre, pLV[Exp]-Puro-CMV>mEgfr(ns):T2A:Cre, pLV[Exp]-Puro-CMV>HA/mEgfr:Cre, pLV-EGFP:T2A:Puro-CMV>mEgfr:IRES:Luc2, pLV-EGFP:T2A:Puro-CMV>mEgfr, pLV-Puro-CMV>mEgfr
Lentivirus and Retrovirus	No	pCMV-VSVG
lentivirus	No	CAG-PCDH, CAG-Rbms3-PCDH, TOP-GFP, pCAG-CRE-GFP-PCDH,
Lentivirus	No	pCW57.1-TRE-CMV-minP-EGFP-PGK-BSD-T2A-Tet-Off; +/- shERBB, shHER2, shHER4
Lentivirus	No	pLV-TRE andp LV-TRE-HA: BRAF, BRAF-V600E, L597Q, D594A, D594V, G464V, G466A, G466E, G466R, G466V, G469A, G469E, G469S, G469V, K601E, K601Q, L597Q, L597V, G464E
Lentivirus	No	pLV[Exp]-CMV>rTS/rTA/Hygro, pLV[Exp]-Bsd-TRE>HA/HA/HA/{hKRAS(S17N)}
Adenovirus	Yes	AdenoCAS9, ADENOEMI4-ALK, Ad5.CMV-CRE, Ad5.SPC-CRE
Lentivirus	No	pCW57.1-G4-HA-BRAF-EV or V600E-3x-Flag-shBRAF-resistant PuroR and pCW57.1 G4-BRAF-WT-3X-Flag-PuroR: BRAF, L597Q, D594A, D594V, G464V, G466A, G466E, G466R, G466V, G469A, G469E, G469S, G469V, K601E, K601Q, L597Q, L597V, G464E, and truncEGFR-3X-Flag
Lentivirus	No	pFUGW-Pol2-fluc2-eGFP
Retrovirus	No	pMMLV-hHER2/3xFLAG-hPGK>Bsd., pMMLV-3xFLAG/hHER2(C805S)-hPGK>Bsd, pMMLV-3xFLAG/hHER2_hPGK>Bsd
Lentivirus	No	pCW57.1_PuroR and pCW57.1_PuroR-HA: BRAF, BRAF-V600E, L597Q, D594A, D594V, G464V, G466A, G466E, G466R, G466V, G469A, G469E, G469S, G469V, K601E, K601Q, L597Q, L597V, G464E, KRAS, KRASS17N
Lentivirus	No	pMCL-HA-MAPKK1-11A55B [S218E/S222D], pMCL-HA-MAPKK1-WT,
Lentivirus	No	pHAGE and pHAGE-HA: BRAF, BRAF-V600E, L597Q, D594A, D594V, G464V, G466A, G466E, G466R, G466V, G469A, G469E, G469S, G469V, K601E, K601Q, L597Q, L597V, G464E
Lentivirus	No	pCW57.1-TRE-CMV-minP-EGFP-PGK-BSD-T2A-Tet-Off; +/- shARAF; shBRAF; shCRAF; TPL2; shREN
Lentivirus	No	pCW57.1 G4-BRAF-WT-3X-Flag-PuroR and pCW57.1 G4-BRAF-WT-3X-Flag-PuroR: BRAF, BRAF-V600E, L597Q, D594A, D594V, G464V, G466A, G466E, G466R, G466V, G469A, G469E, G469S, G469V, K601E, K601Q, L597Q, L597V, G464E
Lentivirus	No	tet-shEGFR1-3, tet-shHER21-3, tet-shRenilla, tet-shEGFR1-2, tet-shHBEGF 1-3, tet-shCRAF 1-3
Lentivirus	No	pTR-UEmS
Retrovirus	No	FLAG-BRAF
Lentivirus	No	pLenti-CRISPRv2
Lentivirus	No	PRK5RS-HERCD533
Lentivirus	No	CAG-PCDH
Retrovirus	No	FLAG-CRAF-S338A, FLAG-CRAF-R401H, FLAG-BRAF-V600E
Lentivirus	No	pSPAX
Lentivirus	Yes	UPEC_pegRNA: EV, BRAF-G466E, G466R, G466V, G469A, G49V, G469I, DNMT1, KRASG12D
Lentivirus	No	pCW57.1-G4-HA-BRAF-EV or V600E-3x-Flag-shBRAF-resistant PuroR and pCW57.1 G4-BRAF-WT-3X-Flag-PuroR: BRAF, L597Q, D594A, D594V, G464V, G466A, G466E, G466R, G466V, G469A, G469E, G469S, G469V, K601E, K601Q, L597Q, L597V, G464E
Lentivirus	No	ACTIN-SOX2-PGK-CRE, PCDNA3-Myc-IQGAP1, LRP6-pC62
Lentivirus	No	pCMV-Delta 8.9
Adenovirus	Yes	pAAV-mBraf-G469V
Lentivirus	Yes	sgNT-CRE, sgLKB1-CRE, sgBIM-CAS9, sgRbms31-5, sgP53-CRE, sgLKB1-CRE, sgEGFR1-5-CRE, Lentis-D2G-28pool/CRE
Lentivirus	No	pCF806_shABC2-puro or -blast
Retrovirus	No	EV-pBABE, HA-MEK1-pBABE, EGFR-pBABE, HA-EGFR-pBABE, HA-EGFRC797S-pBABE, HER2-pBABE, HER2C805S-pBABE, EGFR-HA-KM-pBABE, pBABE-PURO-ARAF, pBABE-PURO-CRAF
Cell Lines		
Cell Line	Cell Lines Administered to Animals in Vivo	
Subcutaneous connective tissue; Adipose; Areolar	No	
Pancreatic Cancer	No	
Fibroblast	No	
Kidney Cells 293T	No	
Lung Cells	Yes	
Colorectal Cancer	No	
Lung Cells	Yes	
Kidney cells 293T Phoenix Ampho	No	
Lung Cancer	Yes	
Lung Cancer	Yes	

Microbial Agents

Name	Administered to Animals in Vivo
E.coli	No
Biosafety Level :	BSL2
Meeting Notes :	IACUC was updated with the renewed protocol number.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	24	0	0	0

Investigator : Stephanie S Watowich
Document No. : [RM00000334-RN02_AM4](#)
NIH Guidelines Category : NA
Agents :

Microbial Agents

Name	Administered to Animals in Vivo
Listeria monocytogenes	Yes
Biosafety Level :	BSL2
Meeting Notes :	The amendment updates IACUC protocol number.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	24	0	0	0

Investigator : Ronald A DePinho
Document No. : [RM00000627-RN02_AM15](#)
NIH Guidelines Category : III-D-1-a.
Agents :

Non Viral Systems

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

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pLenti, pTomo, pCCL-cppt-PGK-WPRE
Lentivirus	No	pLV-CMV51-Halo-ARAF, R747-M61-663, pLenti, CRISPR/ Cas9, pLentiCRISPRv2, SMARTvector
Lentivirus/ shRNA	No	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
Prostate cancer cell lines (DX1, PPS, MSKPCa1, MSKPCa2, MSKPCa7)	Yes
Mouse Embryotic Stem Cells	No
Lung derived from metastatic sites (e.g., H2052, H2B)	No
Prostate cancer cell lines (DU145, LNCaP)	Yes
APOE3- & APOE4-iPSC-derived neurons and astrocytes	No
Pancreatic cancer cell lines (BxPC-3, PK 59)	Yes
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 :	The amendment updated an existing IACUC animal protocol and introduced a new one. Other small modifications to agents are also part of the amendment.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	24	0	0	0

Investigator : Eleonora Dondossola
Document No. : [RM00006800-RN00_AM1](#)
NIH Guidelines Category : III-D-1-a.
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pPB TetOn rtTA NeoR	No
Muc1 DeltaCT moxGFP pPB TetOn	No
pCMV-E2-Crimson	Yes
pPB TetOn IRES GFP rtTA NeoR	No
pGL3-Basic Luc	Yes
pcDNA3.1-mCherry or HIF-Neptune	Yes

Non Viral Systems

Muc1 DeltaCT moxGFP pPB TetOn rtTA NeoR	No
Muc1 DeltaCT pPB TetOn IRE	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pLVTHM
Lentivirus	No	pLVX-IRES-ZsGreen1
Lentivirus	No	pLentiV62V5-DEST w/ cOVA from pCI-neo-cOVA
Lentivirus	No	pBMN-Luc-GFP
Lentivirus	No	pLHCK-EGFP
Lentivirus	No	rV2.1A1.2187 C2
Lentivirus	No	pLNCX2-DsRed
Lentivirus	No	pLentiV62V5-DEST w/ OVA from pAc-neo-OVA
Lentivirus	No	pBMN-Luc-Tomato
Lentivirus	No	pLV rtTA-M2 IRES NeoR
Lentivirus	No	pLenti-U6-sgRNA-SFFV-Cas9-2A-Puro
Lentivirus	No	pLKO
Lentivirus	No	pLentiV62V5-DEST
Lentivirus	No	H2B mCherry pLenti6.2v5
Lentivirus	No	pLenti6.2-IRES-G1-Orange-S-G2-M-Green
Lentivirus	No	pLB

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Breast Cancer	Yes
Breast Cancer	Yes
Prostate Cancer (PDX)	Yes
Melanoma	Yes
Kidney	Yes
Fibrosarcoma	Yes
Osteoblasts	Yes
Mesenchymal Stem Cells	Yes
Melanoma	Yes
Prostate Cancer (PDX)	Yes

Microbial Agents

Name	Administered to Animals in Vivo
One Shot TOP10 Competent E.Coli	No
Novablue E.Coli	No
Stable3 (Stbl3) Competent E.Coli	No
Biosafety Level :	BSL2
Meeting Notes :	One of two IACUC protocols was removed. The remaining IACUC properly addressed the study's animal work.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	24	0	0	0
Investigator :	Gheath Al-Atrash			
Document No. :	RM00003484-RN01_AM1			
NIH Guidelines Category :	III-D-1-a.			
Agents :				

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pLenti-UbC-RedFLuc-T2A-Puro

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
colon cancer	Yes
human primary peripheral blood mononuclear cells	Yes
lung cancer	Yes
CAR-T cells	Yes
Biosafety Level :	BSL2
Meeting Notes :	They added a cell line for use in vivo.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	24	0	0	0
Investigator :	Samuel Mok			
Document No. :	RM00000117-RN02_AM4			
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

Viral Systems

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

Microbial Agents

Name	Administered to Animals in Vivo
[REDACTED]	No
Biosafety Level :	BSL2
Meeting Notes :	This amendment updated the IACUC protocol number.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	24	0	0	0

Investigator : Cassian Yee
Document No. : [RM00000378-RN02_AM6](#)
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]

Cell Lines

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

Biosafety Level : BSL2
Meeting Notes : In the amendment, they added updated IACUC protocols.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	24	0	0	0

Investigator : Junjie Chen
Document No. : [RM00000599-RN02_AM7](#)
NIH Guidelines Category : III-D-1-a.
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
plenti	No
plenti-6.2	No
pRDA550	No
BPK1520	No
pDONER	No
pENTER223	No
pDONOR201	No
plenti-V2	No
pLKO5	No
pMAL	No
pDONR201	No
pENTER221	No
pBluescript	No
pENTR221	No
pDonR221	No
HsCD00438007-WAPAL	No
HsCD00938170-RHNO1	No
pZATT	No
pcDNA68	No
pCRIS	No
pcDNA3, pCDNA3.1	No
Trans SNIP B7H3 BBz (8/8) with 4B-5A site	No
Cas9	No
pDEST, pDEST15, pDEST20	No
pEGFP-C1	No
pCDNA	No
pDonR223	No

Non Viral Systems

pLVX	No
pBABE	No
TKOV3	No
DEST	No
pSPAX2	No
pDONOR-201	No
503TK3	No
pET	No
pMD2G	No
504TK3	No
506TK3	No
PX458	No
pTRIP	No
TV3	No
DEST795	No
507TK3	No
pcDNA6B	No
pLenti6.3	No
PMK232	No
pBR322	No
Activation library-A_92379	No
701TK3	No
pTRIPZ	No
pENTER	No
pLX209	No
702TK3	No
pDONOR223	No
PX459	No
pLEX305	No
703TK3	No
pFastbac1	No
PX330	No
SFB-KIAA0157	No
704TK3	No
PMK290	No
705TK3	No
pLX	No
pcDNA5	No
pRetro	No
pCMV, pCMV5	No
CRISPRv2	No
BACMID	No
pDONR	No
pUC19	No
pDONOR221	No
706TK3	No
pCDH	No
pLV	No
dTAGV-1, dTAGV-1-NEG	No
pCGP	No
707TK3	No
pOG44	No
708TK3	No
pU6	No
PPAX2	No
pInducer20	No
501TK3	No
OuterFTK3	No
pANT7	No
OuterRTK3	No
502TK3	No
pRDA174	No
pENTR223	No
p2/2	No
BWG pool	No
Activation library-B_92380	No
p201	No
pDEST633	No
pENTR	No
DEST795	No
pDONOR	No
pAdF6	No
pAAV	No
pOTB7	No
pCL	No
pCap6	No
VSVG	No
DDR	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
--------------	-------------------------------	-----------

Viral Systems

Lentivirus	No	pTRIP
Lentivirus	No	pInducer20
Lentivirus	No	pLenti6.2, pLenti6.3, pLentiV2
Lentivirus	No	pLenti
Lentivirus	No	mTKO
Lentivirus	No	McspKO
Lentivirus	No	loxICD
Lentivirus	No	loxDDR
Lentivirus	No	mPIM
Lentivirus	No	mDDR
Lentivirus	No	iCas9
Lentivirus	No	In4mer
Lentivirus	No	pLentiCRISPR
Lentivirus	No	hDDR
Lentivirus	No	pLX301, pLX302, pLX303, pLX304
Lentivirus	No	TKOv3
Lentivirus	No	plex_307
Lentivirus	No	pHAGE-TRE
Lentivirus	No	pGreenFire1
Lentivirus	No	lentiCRISPRv2
Lentivirus	No	pGIPZ
Lentivirus	No	Cas9
Lentivirus	No	pRDA_550
Lentivirus	No	pCDH
Lentivirus	No	mICD
Lentivirus	No	pCL
Lentivirus	No	pLVX
Lentivirus	No	pLEX307
Lentivirus	No	pLKO5
Lentivirus	No	pLX
Lentivirus	No	pRDA174
Lentivirus	No	3X FLAG-TOP2A, 3X FLAG-TOP2B
Lentivirus	No	pRetro
Lentivirus	No	AAVS1
Lentivirus	No	psPAX2
Lentivirus	No	pBABE
Lentivirus	No	pTRIPZ
Lentivirus	No	pLV

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Breast cells (EMT6)	No
Breast, Mammary Gland Cells (4T1)	No
Lymphoblast	No
Mouse Fibroblast (breast & other cancers)	No
Cervical Cancer	No
Lung Cancer	No
Colon Cancer Cells (MC38)	No
Liver Cancer Cell line Huh-7	No
Embryonic Kidney Cells (BOSC23)	No
Breast Cancer	No
Retina Epithelial Cells(RPE1)	No
Pancreas (PANC-1, AsPC-1, Capan-2, CFPAC-1, HPAF-11, Panc 10.05, BxPc-3, SW1990)	No
hTERT RPE-1, Retina Epithelial Cells immortalized with hTERT	No
Colon Cancer Cells (HCT116)	No
Cervical Cells (HeLa)	No
Lung Cells (NCI-H1299)	No
Ovarian Cancer	No
Skin melanoma cancer cells (B16-F10)	No
Embryonic Kidney Cells	No
Lung and other cancer cell lines	No
Ovarian Cancer	No
Embryonic Kidney Cells (HEK293A, HEK293T, 293FT)	No
Breast, Mammary Gland Cells (MCF10A, MDA-MB-436)	No
Embryonic stem cell (C57BL/6)	No
Sarcoma cells (U2OS)	No
Colon Cancer Cells (HT29)	No
B cell precursor leukemia cell line(Nalm-6, BLIN-1)	No
Breast Cancer (168FARN, 4T07, 67NR)	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E.coli Dh5 Alpha	No
Biosafety Level :	BSL2
Meeting Notes :	This amendment added plasmids, cell lines and genes to the registration.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	24	0	0	0

Investigator : Stephanie S Watowich
Document No. : RM00000284-RN02_AM7
NIH Guidelines Category : III-D-3-a.
Agents :

Non Viral Systems

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

Viral Systems

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

Cell Lines

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

Microbial Agents

Name	Administered to Animals in Vivo
E. coli K-12 derivatives	No
Biosafety Level :	BSL2
Meeting Notes :	The amendment removes animal work from the protocol. The BSL is thus downgraded to BSL2 and the animal protocol has been removed.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	24	0	0	0
Investigator :	Eugenie S Kleinerman			
Document No. :	RM00003577-RN01_AM1			
NIH Guidelines Category :	III-D-1-a.			
Agents :				

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
NKTR-214	No

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
OS17 human osteosarcoma cells	Yes
NK cells	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E.coli Top10	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	24	0	0	0
Investigator :	Kenneth Hu			
Document No. :	RM00006633-RN00_AM13			
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

Viral Systems

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

Country	Response	Percentage
United States	Yes	95%
Canada	Yes	85%
France	Yes	90%
Germany	No	10%
Japan	Yes	75%

[illegible]

Name	Administered to Animals in Vivo
[REDACTED]	No
Biosafety Level :	BSL2
Meeting Notes :	The amendment added a [REDACTED] and three [REDACTED] to the protocol.

Investigator :	Pawel Mazur
Document No. :	RM00002017-RN01_AM13
NIH Guidelines Category :	III-D-4-b.
Agents :	

Technical Name	Is Whole Animal Used as Host
	No

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

[illegible]

Cell Lines

[REDACTED]	No
[REDACTED]	No
[REDACTED]	Yes
[REDACTED]	Yes
[REDACTED]	Yes
[REDACTED]	Yes

Microbial Agents

Name	Administered to Animals in Vivo
[REDACTED]	No
Biosafety Level :	BSL2
Meeting Notes :	The amendment updates IACUC protocol number.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	24	0	0	0

Investigator : John Victor Heymach
Document No. : [RM00000523-RN02_AM20](#)
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]	No
[REDACTED]	Yes
[REDACTED]	No
[REDACTED]	No
[REDACTED]	No
[REDACTED]	No
[REDACTED]	Yes
[REDACTED]	Yes
[REDACTED]	Yes
[REDACTED]	No
[REDACTED]	No
[REDACTED]	No
[REDACTED]	Yes
[REDACTED]	No
[REDACTED]	No
[REDACTED]	No

Microbial Agents

Name	Administered to Animals in Vivo
[REDACTED]	Yes
[REDACTED]	No
Biosafety Level :	BSL2
Meeting Notes :	The amendment added a [REDACTED] and [REDACTED] to the protocol.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	24	0	0	0

Investigator :
Document No. :
NIH Guidelines Category :
Agents :

Sadhan Majumder
RM00000356-RN02_AM4
III-D-4-b.

Non Viral Systems

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

Viral Systems

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

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
293	No
sh-REST	Yes
hNT neurons	Yes
PC12 Rat pheochromocytoma	No
D283 medulloblastoma	Yes
NT2 neurons	Yes
Neuronal cell line C17.2	Yes
NIH 3T3 mouse fibroblast	No
Daoy medulloblastoma	Yes
D341 medulloblastoma	Yes
glioblastoma stem cells	Yes
NT1 neurons	Yes
Neuronal cell line C17	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E.coli, strain DH5	No
Biosafety Level :	BSL2
Meeting Notes :	This amendment updates the renewed ACUF protocol numbers.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	24	0	0	0

Investigator :
Document No. :
NIH Guidelines Category :
Agents :

Susan Bullman
RM00007970-RN00_AM6
III-D-4-a.

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
Mouse melanoma	Yes
Oral Squamous Cell Carcinoma	Yes
Lung carcinoma	Yes
Colon cancer- luc labeled	Yes
Mammary adenocarcinoma cell line	Yes

Microbial Agents

Name	Administered to Animals in Vivo
Cutibacterium acnes	No
Bacteroides fragilis	No
Fusobacterium strain SB001	Yes
Fusobacterium strain SB010 anti-CD40+	Yes
Prevotella intermedia	No

Microbial Agents

Fusobacterium strain SB010 delta pocR (isogenic mutant)	Yes
Fusobacterium strain SB010 delta cutB/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 cutB (isogenic mutant)	Yes
Fusobacterium strain SB010	Yes
Fusobacterium strain SB010 delta cutVW (isogenic mutant)	Yes
Fusobacterium strain SB010 Tn-Library	Yes
Parvimonas micra	No
Fusobacterium strain SB010 delta pduC (isogenic mutant)	Yes
Fusobacterium strain SB010 delta mfnI (isogenic mutant)	Yes
Fusobacterium strain SB010 anti-CD47+	Yes
Fusobacterium strain SB002	Yes
Fusobacterium sphericum	No
Fusobacterium strain SB010-pFnLux	Yes
Bacteroides fragilis strain CTX25T	Yes
Fusobacterium necrophorum	No
Fusobacterium varium	No
Prevotella intermedia strain 107CP	Yes
Fusobacterium ulcerans	No
Fusobacterium necrophorum strain 107LM	Yes
Fusobacterium periodonticum	No
Fusobacterium hominis	No
Porphyromonas asaccharolytica strain 115CP	Yes
Gemella species	No
Bacteroides fragilis strain 106LM	No
Biosafety Level :	BSL2
Meeting Notes :	The amendment adds cell lines for in vivo use, a new Fusobacterium strain, and genes to the study. IACUC and protocol information were updated accordingly.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	24	0	0	0

Investigator : Zhen Fan
Document No. : RM00000145-RN02_AM5
NIH Guidelines Category : III-D-1-a.
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pCMV-Spike	No
pFUSE2	No
pSecTag2	No
pFUSE	No
pIND	No
pcDNA3.1/V5-His	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pLex
Lentivirus	No	psPAX2
Lentivirus	No	pMD2.G
Lentivirus	No	pLKO.1

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Breast cancer PDX models (HER2-overexpressing, TNBC)	Yes
Human peripheral blood mononuclear cells (PBMC)	No
Liver cancer cells (HepG2, etc.)	Yes
Colorectal cancer cells (DiFi, GEO, RKO, Coca2, etc.)	Yes
HEK 293T and 293F cells (Immortalized human embryonic kidney cells; 293F is a variant of 293T cells adapted to suspension culture)	No
Breast cancer cells (BT474, SKBR3, MCF7, MDA231, etc)	Yes
Macrophages (Raw246.7 etc.)	Yes
Lymphoma cells (Raji, Daudi, etc.)	Yes
CHO (Chinese hamster ovary cells) and variants (CHO-S, DG44)	No
Head and neck cancer cells (HNS, FaDu, UMSCC1, MDA1986, etc.)	Yes
Prostate cancer cells (PC3, DU145, LNCaP, etc.)	Yes
Mouse syngeneic tumor cells (4T1, E0771, TUBO, MC38, CT-26, M109, B16, M109, LLC, etc.)	Yes
Fibroblasts (NIH3T3, Swiss 3T3, etc.)	Yes
Lung cancer cells (HCC827, H3255, H1975, H1650, etc.)	Yes
Ovarian cancer cells (PEO1, PEO4, SKBR3, A2780, etc.)	Yes

Microbial Agents

Name	Administered to Animals in Vivo
Influenza H1N1 virus (PR8)	Yes
E. coli DH5 alpha	No
Biosafety Level :	BSL2

This amendment updates the renewed ACUF number.

Investigator :	Yuan Pan
Document No. :	RM00005849-RN00_AM59
NIH Guidelines Category :	III-D-4-b.
Agents :	

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

[illegible]

Question	Yes	No
1. Do you have a current driver's license?	Yes	No
2. Do you have a current vehicle insurance policy?	No	Yes
3. Do you have a current vehicle registration?	Yes	No
4. Do you have a current vehicle title?	Yes	No
5. Do you have a current vehicle sales tax certificate?	Yes	No

Category	Percentage
1	10
2	15
3	12
4	18
5	25
6	75
7	22
8	78
9	20
10	35
11	10
12	15
13	12
14	45
15	20
16	75
17	25
18	100
19	35
20	10
21	15
22	40
23	20
24	15
25	10
26	100
27	70
28	30
29	45
30	55
31	70
32	15
33	20
34	35
35	10

Votes For	Votes Against	Votes Abstain	Votes-Recuse
24	0	0	0

Response	Percentage
Yes, the U.S. should take action to address climate change	85%
No, the U.S. should not take action to address climate change	15%

This amendment updates the renewed ACUF number.

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

Approved With Contingencies 24 0 0 0

Investigator : Eugenie S Kleinerman
Document No. : RM00005656-RN00_AM1
NIH Guidelines Category : III-D-1-a.
Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
retrovirus	No	MIGR1
Lentivirus-sh-CD70	No	pGIPZ
Lentivirus	No	pGIPZ
retrovirus-sh-CD70	No	MIGR1

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
osteosarcoma cells	Yes
293T cells	No
Biosafety Level :	BSL2
Meeting Notes :	This amendment updates the renewed ACUF number.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	24	0	0	0

Investigator : Jeffrey J Mollidrem
Document No. : RM00008139-RN00_AM2
NIH Guidelines Category : III-D-1-a.
Agents :

Viral Systems

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

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Glioblastoma	Yes
kidney cancer	Yes
293T	No
breast cancer	Yes
human primary cells - Peripheral blood mononuclear cells	Yes
leukemia	Yes
293GP	No
pancreatic cancer	Yes
Biosafety Level :	BSL2
Meeting Notes :	In the amendment, they added glioblastoma to list of cell lines and retrovirus vector to the protocol.

8. ADMINISTRATIVE MODIFICATIONS

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	24	0	0	0

Investigator : Kenneth Hu
Document No. : RM00006633-RN00_AM14
NIH Guidelines Category :
Agents :

Non Viral Systems

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

Viral Systems

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

Microbial Agents

Name	Administered to Animals in Vivo
------	---------------------------------

■■■■■■■■■■

Meeting Notes :

BSL2

Personnel changes only.

Investigator : Jennifer Wargo

Jennifer Wargo

RM00002193-RN01 AM19

Agents :

Cell Line	Cell Lines Administered to Animals in Vivo
-----------	--

Microbial Agents

Name	Administered to Animals in Vivo
------	---------------------------------

Biosafety Level : BSL2

BSL2

Personnel changes only.

Investigator : Ecaterina Ileana Dumbrava

Ecaterina Ileana Dumbrava

RM00006981-RN00_AM1

Agents :

Cell Line	Cell Lines Administered to Animals in Vivo
-----------	--

Biosafety Level : BSL2

BSL2

Personnel changes only.

Investigator : Jonathan M Kurie

Jonathan M Kurie

RM00000369-RN02_AM3

Agents :

Technical Name	Is Whole Animal Used as Host
----------------	------------------------------

Virus System	Virus Administered to Animals	Backbones
--------------	-------------------------------	-----------

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
293T cells (Kidney, embryo from human)	No
Microbial Agents	
Name	Administered to Animals in Vivo
E.coli	No
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	24	0	0	0

Investigator : Georgios Karras
Document No. : [RM00003059-RN01_AM10](#)
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-Capocchi	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
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-zco, 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
MDCK kidney cells	No
mouse pluripotent cell lines	No
head and neck squamous cell carcinoma (CAL27, CAL33)	Yes
lung adenocarcinoma	No
Ductal Carcinoma	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

Cell Lines

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	24	0	0	0

Investigator : Lauren Averett Byers
Document No. : [RM00000193-RN02_AM3](#)
NIH Guidelines Category :
Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
	Yes	
	No	
	No	
	No	
	No	
	No	
	No	
	No	
	No	
	No	
	No	
	No	
	No	
	No	
	No	

Cell Lines

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

Biosafety Level : BSL2
Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	24	0	0	0

Investigator : Raghu Kalluri
Document No. : [RM00000518-RN02_AM64](#)
NIH Guidelines Category :
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
472997: pD2528-CMV-472997	No
pCMV/SB10	No
mouse Tgfb2 donor plasmid	No
PGC1a flag	No
Flag-P53/pRK5	No
pCMV4a-Flag-c-Myc	No
Perk WT	No
pD2528-CMV_QHD43416.1_C-trunc	No
GFP-p53	No
pCMV14-3X-Flag-SARS-CoV-2 S	No
pEGFP-AGO2	No
pcDNA3-RLUC-POLIOIRES-FLUC	No
α SMA-TK	No
mPlum-C1	No
pJKR-H-tetR	No
pD2529-CMV-ACE2_human	No
mouse Gpc1 donor plasmid	No
pAmCherry1-C1	No
pCMV3-mFCGR2B-t1	No
pD2528-CMV-P.1 Spike Protein	No
nCov-1 nCov-2P-F3CH2S	No
pcDNA3-YFP	No
pCMV6-CD63-GFP	No
pcDNA3.3_mCherry	No
CMV T II Pet 28 Clone	No
tdTomato-C1	No
499328: pD2528-CMV-472997	No
pCMV3-mTNFSF9	No
pDsRed Express 1	No
pMetLuc-Mem Control	No
pFLAG CMV 6A Clones 1-5	No
pCI neo-hEST2-globin mRNA vector	No
pD2528-CMV:499328	No
pT2/Onc	No
pCMV6-Entry	No
pEGFP-n1-APP	No
MCX K11F1 PC BFT	No
pCAG-T7pol	No
pCMV3-untagged	No
PDGFRB-PDsRed	No
aSMA-RFP	No
pFLAG CMV 6A Clone 1 (MD 010508)	No
MMTV-cFos-SV40	Yes
pCMV3-mCD80	No
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

Non Viral Systems

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 Pdcd11g2 donor plasmid	No
EBFP2-C1	No
pcDNA3.1-CMV-CFP;UBC-Cre25nt	No
pD2528-CMV-QHD43416.1	No
pQC membrane Tdtomato IX	No
Zeb1	No
pIRES2-EGFP-p53 WT	No
pD2528-CMV_RBD-TwinStrep-VSV-G_TM_Chimera	No
pCMV3-CD80	No
pD2529-CMV	No
GGT-SV40	No
pCep. PU	No
pD2528-CMV-B.1.1.526	No
Human GPC-1 overexpression plasmid	No
SARS-CoV-2 spike protein mRNA	Yes
pMetR-ACE2ecto	No
pD2528-CMV-IVT mRNA vector	No
FSP1-GFP	No
pcDNA3 LIC cloning vector	No
T7 PeIB His6	No
PresentER-SIINFELK (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 FLOX	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
Baculovirus	No	pCMV-Dest
Simian immunodeficiency virus (SIV)	No	pSIV3, pCMV-VSV-G, psPAX2, pCMV-Luc2-IRES-mCherry, pcDNA3-spike expression

Viral Systems

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 Pcd11g2, Tgfb2, Smad4, Gpc1, Gpc1(hu), CD274 target #1 gene knockout plasmid, gRNA Pcd11g2, Tgfb2, 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:efla-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 KTLTP
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	24	0	0	0
Investigator :	Kristen Pauken			
Document No. :	TA00006318-RN00_AM18			

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	24	0	0	0

Investigator :

John Victor Heymach

Document No. :

[RM00000523-RN02_AM21](#)

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]	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]	No
[REDACTED]	No
[REDACTED]	No
[REDACTED]	No
[REDACTED]	Yes
[REDACTED]	Yes
[REDACTED]	Yes
[REDACTED]	No
[REDACTED]	No
[REDACTED]	No
[REDACTED]	Yes
[REDACTED]	No
[REDACTED]	No

Microbial Agents

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

Biosafety Level :

BSL2

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	24	0	0	0

Investigator :

Pawel Mazur

Document No. :

[RM00002017-RN01_AM18](#)

NIH Guidelines Category :

Agents :

Technical Name	Is Whole Animal Used as Host
	No

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

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

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

Investigator :	Junjie Chen
Document No. :	RM00000599-RN02_AM8
NIH Guidelines Category :	
Agents :	

Technical Name	Is Whole Animal Used as Host
plenti-SFB-MCPH1-PURO	No
plenti-XPf-SFB-689m-PURO	No
pUC19-SLX4-mAID-SFB-HYGRO-KI-m18	No
plenti-HA-SUMO3-BSD	No
plenti-SFB-SPRTN-dclZNF-PURO	No
plenti-SFB-H2AX-PURO	No
V2-GFP-NCAPH2-KO-sg11	No
pDONOR-TOP3B	No

Non Viral Systems

pUC19-SPRTN-SFB-PURO	No
pDONOR-SLX4-C-D1821-1834	No
PMK290	No
pDONOR-SLX4IP-C-D28-67	No
plenti-HA-FLAG-SLX4IP-PURO	No
plenti-SLX4-SFB-3.2	No
SFB-XPf-230m	No
plenti-3HA-TuroID-BLM	No
BSD-HA-dTAG-TOP1-NK1	No
plenti-inducible-SLX4-G418	No
plenti-SLX4-SFB-D8-2	No
pLEX307-HIS-GFP-RAD54L2-K310A	No
pLX-TRC311	No
MCS-MYC-HA	No
pDONOR-RNF8-R42A	No
pDONOR-SLX4-N-L1022A	No
pDONOR-SLX4-C-D121-140	No
HA-SLX4-BSDB	No
plenti-V2	No
SFB-USP39	No
V2-TOP3A-CKI-6	No
plenti-SLX4-SFB-3.13	No
pDONOR-TOP2A NO stop	No
plenti-CMV-MYC-BioID2-puro-N	No
pDONOR-SLX4-N-409-788	No
pDONOR-SLX4IP-C-T71A	No
pTRIPZ inducible-RFP	No
plenti-SPRTN-PIPm-NEO	No
MYC-BIOID2-SPRTN-UBZ*	No
pDONOR-GFP	No
SFB-TOP3A	No
SFB-FAAP100	No
HA-RAD54L2-DE462A	No
pLEX307-HIS-GFP-N	No
pcDNA5-SFB-SPRTN-UBZ*	No
pRetro-NLS-GFP-SPRTN	No
pLEX307-N-SFB-RECQL	No
FLAG-APEX2	No
PX330-BSDB-PITCH	No
pcDNA5-SFB-SPRTN-PIP*	No
pLEX307-SFB-SIMC1	No
pDONOR-RQ5-DNASU	No
SLX4IP-SFB-S119A	No
plenti-Myc-BioID2-TDP2	No
FLAG-HA-APEX1-sgm-D283A	No
pLEX307-SFB-ZNF451-D525-705	No
plenti-SFB-SPRTN-PURO	No
V2-TDP1-KO-MS3/4	No
pDONOR-SLX4-C-1-637-D61-80	No
SFB-TOP2A_431-1193	No
SLX4IP-SFB-D28-67	No
HIS-SUMO	No
pCRIS-PITCHV2-PURO-dTAG	No
pDONOR-RNASH2A	No
inducible-Cas9-G418	No
pCMV-PE2-P2A-GFP	No
pDONOR-SLX4-C-D409-555	No
pDONOR-XPf-Del2	No
plenti-SFB-GFP-C	No
V2-NCAPH2-sg11	No
pLEX307-SF-2NLS-ZNF451-D168-526	No
KIAA0020-BioID2-HA	No
SLX4-SFB	No
BACMID-3FLAG-TOP2A-Y805F-SUMO2	No
plenti-PDCD11-SFB-PURO	No
plenti-SLX4-SFB-D4-1	No
plenti-SLX4-SFB-4.18	No
pLEX307-SFB-BLM	No
V2-TOP3A-CKI-2	No
SFB-TDRKH-290-420	No
HA-ASNS	No
plenti-V2-TOP2B-KO-1	No
plenti-SLX4-SFB-D7-1	No
pENTER223-CHD5(spec)	No
pLEX307-HIS-GFP-RAD54L2-SIM	No
pLEX307-RNF8-SFB-C	No
SFB-ZBED4	No
V2-TOP3A-CKI-7	No
plenti-CMV-SFB-N-PURO	No
SLX4IP-K91R92A-SFB	No
pDONOR-TOP2A_1-430	No

Non Viral Systems

plenti-SLX4-SFB-D13-2	No
pDONOR-SLX4-C-D21-40	No
pUC19-SPRTN-SFB-PURO-KI-m2	No
pLEX307-SFB-N-RAD54L2-K310A-FL	No
MSH2-SFB	No
MYC-BI0ID2-SPRTN-Y117C	No
HA-NUP214	No
pDONOR221	No
plenti-SPRTN-SHP*-blast	No
pDONOR-TOP2B	No
plenti-CMV-GFP-DEST	No
HA-TDRKH-290-420	No
BACMID_HIS-GST-ZNF451	No
HA-RAD54L2-K310A	No
pDONOR-PAF1	No
pDONOR-ZNF451-1-1049_No stop	No
HA-TOP1	No
pCDH-CMV-MCS-EF1	No
plenti-HA-SUMO2-BSD	No
pDONOR-SLX4-C-D141-160	No
RECQL-SFB-C	No
pDONOR-RQ5-N	No
plenti-SPRTN-408m-NEO	No
pUC19-SLX4-mAID-SFB-HYGRO-KI-m2	No
SFB-ZNF451-WT	No
pDONOR-SLX4-DelN2-N	No
pDONOR-XPF-N-P379S	No
MYC-BI0ID2-KIAA0020	No
MYC-UBC13	No
pDEST-N-GST	No
pDONOR-TOP3B-1-295	No
pLV-PURO-CMV-N-3FLAG	No
plenti-SLX4-SFB-D9-1	No
plenti-SLX4IP-SFB-D1-27-PURO	No
plenti-XPF-SFP-PURO	No
plenti-SLX4-SFB-3.3	No
pLEX307-SFB-TDP2-D262A	No
V2-RQ5-sg6	No
pLEX307-HIS-GFP-RAD54L2-WT	No
pUC19-AID-3HA-P2A-HYGRO	No
V2-TOP2A-CKI-2	No
plenti-dCAS-VP64-BLAST	No
pDONOR-SLX4-N-SIM	No
MYC-BI0ID2-SLX4	No
SFB-SIMC1	No
pDONOR-SLX4-C-D41-60	No
SFB-TOP2A-SUMO2	No
pUC19-SPRTN-SFB-PURO-KI-m8	No
pLEX307-SF-2NLS-ZNF451-FL	No
plenti-FLAG-APEX2-SPRTN-Y117C	No
pLEX307-SFB-N-RAD54L2-WT-FL	No
pcDNA5-FRT/TO-SFB-SPRTN	No
HA-TOP2A	No
HA-RAD54L2-SIM	No
SFB-XPF-236m	No
SFB-TDRKH-421-561	No
pCGP	No
pDEST-MYC-SUMO2	No
pDONOR-SLX4IP-C-V115KV116K	No
TurboID-GFP	No
BSD-3HA-dTAG-TOP3B-NK1	No
FLAG-HA-APEX1-sgm-F266A	No
pDONOR-SLX4-N-555-850	No
pDONOR-TOP2A_1194-1531	No
plenti-MYC-BI0ID2-SLX4	No
GFP-SLX4IP	No
pRetro-NLS-GFP-SPRTN-E112A	No
pDONOR-SLX4-C-1-637-D66-70	No
pENTER223-FAM111A(spec)	No
SFB-USP48	No
pOG44	No
pDONOR-XPF-Del3	No
pLEX307-SFB-N	No
HA-RAD54L2-WT	No
HA-TDRKH-421-561	No
tFUCII(CA5)	No
plenti-SPRTN-UBZ*-blast	No
pDonor-TOP1	No
dTAG-SFB-BSD-C	No
pDONOR-ERCC1	No
SFB-P2A-HYGRO	No

Non Viral Systems

pLEX307-SFB-ASNS	No
pDONOR-ZNF451-168-1061_No stop	No
pLEX307-SFB-TOP2B	No
HA-NCAPH2	No
SFB-SWS1	No
HA-BAG5	No
V2-RQ5-sg7	No
pLEX307-RAD54L2-D1-86-SFB	No
pDONOR-XPf-N-495m	No
pLX-TRC311-3FLAG-N	No
pUC19-SUMO2*4	No
pU6-pegRNA-GG-acp	No
TRC311-FLAG-ZNF451-BSD	No
SLX4IP-SFB-D68-140	No
pLEX307-SFB-ZNF451-D706-993	No
pLEX307-SFB-RNF8-C403S	No
SFB-SIMC1	No
pENTER223-GLTSCR1(spec)	No
pDONOR-SLX4-C-D221-240	No
HA-NDUFAF7	No
pDEST-795(MBP)	No
pcDNA5-FRT/TO-SFB-SPRTN-M2	No
HA-SUMO1	No
plenti-SFB-SPRTN-del300-325-PURO	No
pLEX307-SFB-NUP214	No
MCS-BioID2-HA	No
pDONOR-SLX4-DelN3-N	No
FLAG-DDB1	No
HA-TIPRL	No
plenti-SLX4-SFB-3.4	No
V2-BLM-KO-3-MF	No
BACMID_HIS-GST-ZNF451	No
RNF8-dTAG-SFB-BSD	No
plenti-SLX4-SFB-3.14	No
pDONOR-TOP3B-296-612	No
plenti-SLX4-SFB-4.19	No
plenti-TurboID-N-H2AX-PURO	No
pLEX307-SFB-RAD54L2-SUMO2-1	No
pDONOR-SLX4-C-D1540-1623	No
FLAG-HA-APEX1-sgm-H309S	No
pDONOR-SLX4-N-SIM1+2+3m	No
SLX4IP-SFB-T71A	No
pInducer20-osTIR1	No
pDONOR-XPf-N-R153P	No
NLS-GFP-SLX4-PURO	No
pENTER223-MTDH(spec)	No
SFB-TOP2A-Y805F	No
PX330-SPRTN-CKI-sg2	No
pDONOR-ZNF451-del994-1021_No stop	No
PARP1-111575	No
plenti-SLX4IP-SFB-D141-300-PURO	No
plenti-SLX4-SFB-D9-2	No
plenti-SPRTN-WT-blast	No
KI67-GLY-dTAG-HA-BSD	No
HA-TOP2A_1-430	No
pCDH-CMV-MCS-EF1-GFP	No
pENTER223-ZNF280C-C	No
pLEX307-RAD54L2-D1316-1467-SFB	No
pANT7-cGST-WRN	No
pDONOR-TOP2A_1202-1621	No
plenti-CMV-tight-BLAST-DEST	No
pDONOR-SLX4IP-C-D68-140	No
pDONOR-SLX4-C-D451-500	No
V2-TOP2A-CKI-3	No
pENTER223-NCAPH2(spec)	No
plenti-SFB-GFP-N	No
pDONOR-SLX4-C-1-637-D71-75	No
pLEX307-SFB-ZNF451	No
pLEX307-SFB-RNF8-C42A	No
HA-NUP62	No
SFB-C	No
plenti-SFB-SPRTN-delPIP-PURO	No
SFB-XPf-379m	No
plenti-CMV-GFP-DEST	No
SFB-XPf	No
pDONOR-SLX4IP-C-W32F33S34A	No
pUC19-KI67-SFB-P2A-PURO	No
plenti-3HA-TurboID-MUS81	No
BSD-3HA-dTAG-TOP3B-NKI-M1	No
V2-RNF8-CKI-8	No
SFB-TOP2B	No

Non Viral Systems

plenti-SLX4-SFB-D4-2	No
pDONOR-SLX4-N-788-1100	No
plenti-SLX4-HA-BSD	No
HA-SUMO3	No
pDONOR-SLX4-C-D241-260	No
plenti-V2-GFP	No
pDONOR-NDUFAF7	No
pDONOR-PINK	No
SFB-TOP2A-Y805F-SUMO2	No
V2-SIMC1-KO-1	No
PX330-SPRTN-CKI-sg8	No
pDONOR-SLX4-N	No
pDONOR-UBZ	No
SFB-TIPRL	No
pLVX-TET3G	No
RAD54L2-DE462AA-SFB-C	No
pUC19-SLX4-mAID-SFB-HYGRO-KI-m3	No
pcDNA5-FRT/TO-SFB-SPRTN-M3	No
pDONOR-MCPH1	No
plenti-SLX4-SFB-D1-1	No
pUC19-AID-3HA-P2A-HYGRO	No
pDONOR-TOP3B-613-862	No
pDEST-SFB-SUMO2	No
pDONOR-SLX4-C-D161-180	No
plenti-FLAG-HA-PURO-DEST	No
pLEX307-RAD54L2-D1316-1467-SFB	No
pDONOR-ZNF451-84-1061	No
pENTER223-FAM111B(spec)	No
pDONOR-SLX4	No
pLEX307-SFB-TDP2-E152A	No
TRC311-GFP-ZNF451-BSD	No
pDONOR-XPF-Del4	No
pDONOR-VCP	No
BACMID-MBP-ZNF451	No
V2-TOP1-CKI-2	No
pLEX307-SFB-ZNF451-D85-168	No
pLEX307-SFB-NCAPH2	No
plenti-SLX4-SFB-3.15	No
TurboID-N	No
BSD-3HA-dTAG-TOP3B-NKI-M2	No
pDONOR-XPF-N-C236R	No
pUC19-KI67-SFB-P2A-PURO-sg3m	No
pDONOR-SLX4-N-SIM1+2+3m L1022A	No
pDONOR-TOP2A_431-1193	No
plenti-SLX4-SFB-3.5	No
plenti-V2-GFP-sgPIAS4-2	No
pDONOR-SLX4-C-D501-555	No
SLX4IP-SFB-V115KV116K	No
SLX4IP-SFB-E106L107A	No
plenti-mCherry-N (Amp)	No
pLX209-NEO-active-WRN	No
pX458-MUS81#1	No
pDONOR-SUMO1	No
MCS-HA-BioID2	No
pLEX307-SFB-ZNF451-1-1002	No
plenti-SLX4-SFB-m8	No
pDONOR-SLX4-C-1-637-D76-80	No
pRDA174	No
pDEST-N-MBP	No
pLEX307-SFB-NUP62	No
RAD54L2-K310A-SFB-C	No
pENTR223-DDI1-spec	No
pENTER223-RBM34	No
pDONOR-ERCC1	No
TRAIP-SFB	No
pDONOR-SLX4IP-C-E106A	No
pcDNA5-FRT/TO-SFB-SPRTN-M4	No
SFB-TOP2B_1-444	No
GFP-BioID2-HA-C	No
HA-TOP2A_1194-1531	No
pDONOR-XPF-N-R454W	No
pCDNA3-HRPR2	No
V2-MUS81-KO-1	No
pLEX307-SFB-N-NDUFAF7	No
pDEST-GFP Retro-V-PURO	No
V2-RNF8-KO-6	No
TOP2A-dTAG-HA-BSD-CKI	No
pLEX307-RAD54L2-D292-512-SFB	No
pLEX307	No
V2-SIMC1-KO-2	No
pUC19-24FLAG	No

Non Viral Systems

Activation library-B_92380	No
plenti-SPRTN-NEO	No
pLEX307-SFB-N-TRIP12	No
pENTER-BAG5(spec)	No
plenti-SLX4IP-SFB-D28-67-PURO	No
MYC-BI0ID2-SLX4IP	No
pUC19-KI67-SFB-P2A-PURO-sg4m	No
plenti-SLX4-SFB-D5-1	No
pDEST633(HIS-GST)	No
plenti-SLX4-NEO	No
pDONOR-ZNF451-ALAR no stop	No
plenti-3HA-TurboID-PURO	No
pDONOR-WRN	No
pLEX307-RAD54L2-D513-891-SFB	No
pDONOR-SLX4-C-D261-280	No
V2-ZNF451-KO-J2	No
pDONOR-SLX4-N-1-300	No
pCDH-EF1-MCS-IRES	No
pENTR-PAXX	No
pLEX307-SFB-TDP2-H351N	No
SFB-XPF-454m	No
DEST633-HIS-GST-ZNF451	No
HA-NUP88	No
pLEX307-SFB-ZNF451-D993-1021	No
pDONOR-SLX4IP-C-K9N12A	No
pUC19-SLX4-SFB-PURO-m18	No
SFB-XPF-153m	No
HA-TOP3B	No
pDONOR-SLX4-C-D1624-1751	No
pDONOR-SLX4IP-N	No
pLX-TRC311-GFP-N	No
RAD54L2-WT-SFB	No
plenti-SLX4-SFB-D1-2	No
pOTB7-CHAF1A-N	No
pDONOR-SLX4-1-686-D360-408	No
HA-NSMCE4A	No
pcDNA5-FRT/TO-SFB-SPRTN-M4+2	No
pDEST-MYC-SUMO3	No
pLEX307-SFB-N-SUMO2	No
V2-RNF8-KO-7	No
pLEX307-SFB-ZNF451-1-1020	No
V2-SIMC1-KO-3	No
plenti-SFB-N-PURO	No
pDONOR-SLX4-C-530/545/546/550A	No
pDONOR-RNASH2B	No
plenti-SLX4-SFB-D10-1	No
plenti-6.2	No
SFB-N-RAD54L2-FL-DE462AA	No
pDONOR-ZNF451-delSIM no stop	No
pLEX307-SFB-RAD54B	No
pLEX307-RAD54L2-D87-291-SFB	No
SFB-TOP2B_445-1201	No
pLEX307-SFB-NUP88	No
HIS-GST	No
plenti-Myc-BioID2-puro-N	No
pRDA550-DDR	No
SFB-PCNA	No
pDONOR-SLX4-C-D61-80	No
pDONOR-TOP2A-Y805F-1 NO stop	No
pDEST-MYC-SUMO3	No
pLEX307-SFB-SAMHD1	No
BPK1520	No
pDONOR-SLX4IP-C-D1-27	No
pDONOR-SLX4IP-N-1-140	No
pUC19-AID-ARF-3HA-HYGRO	No
HA-ZNF198	No
SFB-XPF-495m	No
plenti-SLX4-SFB-3.6	No
pDEST633(HIS-GST)	No
V2-KI67-KO-1	No
pLEX307-3*SUMO2-C	No
SLX4IP-SFB-1-300	No
TurboID-WRN	No
pDONOR-RECQL4	No
pUC19-SLX4-dTAG-BSD-CKI	No
PX330-TOP3B-NKI-1	No
pENTER223-CSNK1A1-C	No
HA-ZNF451	No
pDONOR201	No
plenti-V2-TOP1-CKI-2	No
V2-BLM-KO-sg5	No

Non Viral Systems

pCMV-PE2	No
HA-TOP2B_1-444	No
PX458-GFP	No
pENTER223-CHD1(spec)	No
SFB-FANCE	No
pDONOR-SLX4-N-1001-1300	No
pLKO5-EFS-tRFP	No
pCDH-EF1-MCS-NEO	No
pDONOR-SLX4-C-D293-300	No
V2-ZNF451-KO-S4	No
plenti-sgRNA-BSD	No
pDEST-MYC-SUMO3	No
pDONOR-SLX4-1-686-UBZ1+2m	No
pDONOR-XPf-L230P	No
plenti-TurboID-N-MCPH1-PURO-dTAG	No
pDONOR-XPf-C	No
SFB-NSMCE4A	No
pLEX307-TDP2-SFB-C	No
HA-NUP98	No
pDONOR-SLX4-C-61-637	No
SPRTN-BIOD2-3HA (m)-PURO	No
pLEX307-SFB-ZNF451-iso2	No
pDONOR-ZNF451-del525-705_No stop	No
plenti-GFP-SFB	No
SFB-WDR22	No
pUC19-SLX4-SFB-PURO-m3	No
HA-YTHDC2	No
SLX4IP-SFB-L16KV17K	No
plenti-SLX4-SFB-3.1	No
pDONOR-SLX4IP-C-L16K/V17K	No
plenti-SLX4-SFB-D10-2	No
pDONOR-XPf-N-D2	No
pMAL-C2	No
SFB-XPf-D3	No
pLEX307-SFB-ZNF451-1-1049	No
pLEX307-RAD54L2-D891-1315-SFB	No
pDONOR-ZNF451-Iso2 no stop	No
HA-APEX1	No
pLEX307-SFB-RAD54L	No
pDONOR-MYC-BioID2-SLX4IP	No
pDONOR-SLX4-C-D71-75	No
V2-WRN-KO-1	No
pENTER221-RNF4	No
3FLAG-TOP2A-SUMO2	No
HA-TRIP12	No
pDONOR-UBZA	No
V2-TOP1-CKI-3	No
tFUCII(SA5)	No
pCL-ECO	No
plenti-CMV-HYGRO-DEST	No
PX330-KI67-KI-sgRNA-3	No
SFB-N	No
FLAG-HA-APEX1-sgm-WT	No
pRetro-NLS-GFP-SPRTN-UBZ	No
SFB-RECQL-N	No
pLEX307-SFB-RNF8-N	No
plenti-SLX4-SFB-3.6	No
pDONOR-FANCD2	No
pDONOR-SLX4-C-D61-65	No
HA-TOP2B	No
pLEX307-RAD54L2-D728-892-SFB	No
V2-BLM-KO-4-MF	No
plentiV2-SLX4-CKI-sg6	No
pDONOR-SUMO2	No
pDONOR-XPf-Del5	No
pDONOR-TOP2A-Y805F	No
pLVX-TET3G-C-GFP	No
SFB-SPRTN	No
SFB-VCP	No
SFB-XPf-D2	No
SLX4IP-SFB-K9N12	No
pDONOR-XPf-N-D1	No
pDONOR-ZNF451-del168-525_No stop	No
pDONOR-XPf-N-R689S	No
SLX4IP-SFB-W32F33A	No
pENTER223-NUP88	No
pET-HIS-GFP	No
pDONOR-SLX4-C-D281-292	No
pDONOR-SLX4-N-1-408	No
pLEX307-SFB-TDP2-N	No
pDONOR-TOP3B-mut	No

Non Viral Systems

V2-SIMC1-KO-4	No
DEST795-MBP-ZNF451	No
pLEX307-SFB-ZNF451-DSIM	No
pUC19-SLX4-SFB-PURO-m2	No
plenti-SLX4IP-SFB-D301-408-PURO	No
HA-TOP3B-1-295	No
GFP-REV1-WT	No
VSVG	No
TRAIP1-BI0ID2-HA	No
plenti-SLX4-SFB	No
PX330-KI67-KI-sgRNA-4	No
pENTER-RNASH2C(spec)	No
plenti-SLX4IP-SFB-D68-140-PURO	No
pDONOR-KIAA0930	No
SFB-TOP2B-Y826F	No
pFastbac1-3FLAG-TOP2A	No
pLVX-TET3G-C-mCherry	No
pENTR223-DDI2-spec	No
HA-TOP3B-296-612	No
pDONOR-SLX4IP-N-1-300	No
plenti-APEX2-SFB-PURO	No
pBABE-PURO	No
pDONOR-XPF-N-R799N	No
pCMV-MYC-ZNF451	No
pDONOR-YTHDC2-C	No
pLEX307-SFB-ZNF198	No
SFB-XPF-689m	No
TKOV3	No
plenti-SLX4-SFB-3.7	No
plenti-V2-TOP1-CKI-3	No
SFB-N-RAD54L2-FL-K310A	No
pDONOR-ZNF451-WT	No
RNF8-dTAG-HA-BSD	No
pDONOR-SLX4-C-D293-361	No
ZNF451-dTAG-HA-BSD	No
plenti-CMV-MYC-BioID2-puro-N	No
BACMID_RAD54L2-SFB-DE462AA	No
HA-TOP2B_445-1201	No
pDONOR-LEO1	No
HA-PUM3	No
pLenti-HA-MANF-BSD-N	No
V2-WRN-KO-3	No
pUC19-SLX4-dTAG-BSD-CKI-m18	No
SPRTN-BI0ID2-3HA-PURO-M5	No
PX330-TOP3B-NKI-2	No
MYC-BI0ID2-TRAIP3	No
pDONOR-SUMO3	No
SFB-TDP2	No
pDONOR-KIAA1586	No
pLEX307-ZNF451-1-996-6NLS-SFB	No
pLEX307-SFB-NUP98	No
pENTER-C10ORF198	No
HA-MDC1	No
pDEST-HA-N	No
plenti-SPRTN-939m-NEO	No
SFB-TOP2A	No
plenti-BioID2-GFP-N	No
DEST-SLX4IP-BI0ID2-HA	No
pSPAX2	No
pDONOR-SLX4-N-1205-1439	No
pLEX307-RAD54L2-FL-DE462-SFB-C	No
plenti-V2-GFP-sgPIAS4-3	No
plenti-SPRTN-PIP*-.blast	No
pDONOR-NSMCE4A	No
PX330-RNF8-CKI-5	No
pDEST-HA-FLAG-N Retro-Puro	No
plenti-HA-SUMO1-BSD	No
pCDNA3.1-RECQL4	No
V2-ZNF451-KO-S2	No
pDONOR-SLX4-1-686-N	No
SFB-ERCC1	No
SFB-WRN	No
plenti-V2-GFP-sgAAVS1	No
pDONOR-XPF-C-153m	No
pDONOR-ZNF451-del706-993_No stop	No
pFastbac1-3FLAG-TOP2A-SUMO2	No
plenti-V2-RFP670-sgAAVS1	No
pDONOR-SLX4-C	No
plenti-CSNK1A1-SFB	No
pLEX307-SFB-RECQL4	No
HA-SUMO2	No

Non Viral Systems

PX330-SLX4-CKI-sgRNA18	No
pUC19-BioID2-3HA-PURO	No
pDONOR-SLX4-C-638-788	No
HIS-MBP	No
pDONOR-SLX4IP-C-Q62A	No
3FLAG-TOP2A-Y805F	No
pDONOR-201	No
plenti-V2-TOP1-NKI-1	No
plenti-SLX4-SFB-D11-1	No
SFB-ZNF198	No
pFastbac1-HIS-GFP-RAD54L2-K310A	No
SFB-N-RAD54L2-FL-WT	No
BACMID_RAD54L2-SFB-K310A	No
SFB-TDRKH	No
pDONOR-XPf-L230S	No
pDONOR-SLX4-C-D76-80	No
pDONOR-SLX4IP-C	No
pLEX307-SFB-ZNF451-1-996	No
pDonor-PUM3	No
HA-APEX2	No
plenti-N-HA-FLAG-PURO	No
SPRTN-BIOID2-HA-C	No
plenti-CMV-FLAG-APEX2-N-PURO	No
pLenti-MANF-SFB-PURO	No
SFB-YTHDC2	No
V2-WRN-KO-4	No
SLX4IP-SFB-m4	No
pET-HIS-GFP	No
plenti-SLX4-SFB-3.11	No
pLEX307-SFB-RNF4	No
BSD-SFB-dTAG-N	No
plenti-SLX4-SFB-3.8	No
plenti-SPRTN-E112A*-blast	No
pDONER-ZNF451-1-996 no stop	No
pCRIS-PITCHV2-BSD-dTAG	No
pENTER223-CHD2(spec)	No
HA-RAE1	No
SFB-XPf-D4	No
pDONOR-XPf-N-D3	No
TOP3A-dTAG-HA-BSD-CKI	No
V2-BLM-KO-sg1	No
SPRTN-APEX2-FLAG	No
pDONOR-SLX4-C-556-637	No
3FLAG-TOP2A	No
pLEX307-SFB-ZNF451-1-1035	No
pBabe-MYC-BioID2-puro	No
FLAG-HA-APEX1-sgm-Y117F	No
BACMID_RAD54L2-SFB-WT	No
pCDH-MYC-N-HYGRO	No
plenti-SLX4IP-SFB-PURO	No
pDONOR-ZNF451-Iso3 no stop	No
SFB-RECQL4	No
DNMT1-36939	No
HA-TOP3B-296-612	No
PX330-TOP3B-NKI-3	No
pDONOR-WDR61	No
pLEX307-ZNF451-SFB-C	No
pDONOR-XPf-R689S	No
pMD2G	No
V2-ZNF198-KO-1	No
pLEX307-SFB-K1AA0930	No
pDONOR-SLX4-C-D301-320	No
pUC19-SPRTN-BIOID2-3HA-PURO	No
pLKO5-sgGFP-EFS-tRFP-657	No
pDONOR-ZNF451-WT no stop	No
SFB-TDRKH-1-289	No
pLEX307-3FLAG-N-V5	No
pLEX307-RAD54L2-FL-K310A-SFB-C	No
pDONOR-ZNF451-del85-168	No
pFastbac1-3FLAG-TOP2A-Y805F	No
ZNF451-dTAG-SFB-BSD	No
pDONOR-SLX4-N-1261-1539	No
pENTER223-OAS2(spec)	No
pDONOR-SLX4-C-1-292	No
TRC311-3FLAG-RAD54L2	No
SPRTN-SFB-C	No
pDONOR-SLX4IP-N-1-408	No
plenti-guide-BSD	No
HA-NCAPG	No
V2-TDP2-KO-MS5/6	No
plenti-SLX4-SFB-D7-2	No

Non Viral Systems

3FLAG-TOP2A-Y805F-SUMO2	No
HA-TOP3A	No
BACMID-HIS-GFP-RAD54L2-K310A	No
pENTER223-RAE1	No
plenti-SLX4-SFB-D5-2	No
plenti-SFB-MISP	No
plenti-sgRNA-PURO	No
pDONOR-SLX4-C-D789-1539	No
PUM3-SFB	No
pLEX307-SFB-ZNF451-168-1061	No
plenti-CMV-SFB-53BP1-PURO	No
SFB-XPf-799m	No
pLVX-TET3G-C-RFP	No
SFB-TREX2	No
TurboID-RQ4	No
plenti-Myc-BioID2-TDP1	No
pBABE-VE-PURO	No
pUC19-SLX4-dTAG-BSD-CKI-m6	No
RNAaseH2-D210	No
PX330-SLX4-CKI-sgRNA2	No
pDONOR-TDP2-D262A	No
plenti-HA-SUMO3-BSD	No
pDONOR-RQL-C	No
V2-ZNF198-KO-2	No
pDONOR-SLX4-C-D1-20	No
pDONOR-CCNA2-N	No
plenti-SLX4-SFB-D11-2	No
pLEX307-SFB-RAE1	No
pLEX307-RAD54L2-FL-SIM-SFB-C	No
pUC19-SPRTN-mAID-CLOVER-HYGRO	No
V2-TOP3A-CKI-1	No
pDONOR-XPf-C-230m	No
3HA-TurboID-NLS (addgene)	No
pDONOR-SLX4IP-C-1-300	No
pDONOR-XPf-N	No
MYC-MDC1	No
CtlP-S327A	No
SFB-TOP3B	No
TRC311-GFP-RAD54L2	No
pDonR_201-LHPP	No
Myc-RNF8	No
pBluescript	No
SAGE1new N-SFB	No
HA-53BP1	No
pDonR_201-Fadd KRK/AAA	No
pDonR_201-LKB1	No
pcDNA6B-nCoV-nsp4-FLAG	No
CtlP NKI Puro BioID2 3HA	No
pENTR221_TP53 V272M w stop	No
ESCO1 pDonor 201	No
BRCA2 CKI mAID EGFP	No
pDonR_201-RNaseIII	No
GST-TRF2	No
GST-TRF1	No
pcDNA6B-ACE2-FLAG	No
HDAC6-SBP	No
ATM NKI Puro SFB	No
pENTR221_PTEN	No
BRCA1 NKI BSD mAID EGFP	No
BRCA1 NKI BSD dTAG	No
pcDNA68-SARS-nsp2-FLAG	No
pDonR_221_INPPL1	No
DMC1#1 Donor	No
SFB-FANCI	No
PALB2 NKI g1 PITCH	No
HDAC6-SBP	No
SAGE1 1-650 N-SFB	No
SMCHD1 N-SFB	No
BLM 201 have stop	No
SMCHD1 ATPase 201	No
RAD50 NKI g3 PX330	No
mTOR NKI Puro SFB	No
pDonR_201-RNASEH1	No
pcDNA6B-SARS-nsp5-FLAG	No
TIN2 201 no stop	No
pcDNA6B-nCoV-nsp11-FLAG	No
MCS-Myc	No
pcDNA6B-SARS-S-FLAG	No
DNAPK NKI g2 PX330	No
pcDNA6B-SARS-orf7b-FLAG	No
pcDNA6B-SARS-N-FLAG	No

Non Viral Systems

TPP1 E2 201	No
pcDNA6B-nCoV-nsp15-FLAG	No
GFP-RNF8	No
ESCO1-Myc	No
pcDNA6B-SARS-nsp15-FLAG	No
Myc-BRCA1	No
pcDNA6B-nCoV-nsp3C-FLAG	No
RAP1 201 have stop	No
pcDNA6B-SARS-nsp11-FLAG	No
pDonR_201-human-cGAS	No
HsCD00438007-WAPAL	No
pcDNA6B-SARS-orf6-FLAG	No
pDonR_201-CDC25C WT	No
TRF2 N-SFB	No
TPP1 N-SFB	No
pUC19-STING-NKI-G418-mCherry	No
TRF1 201 no stop	No
pENTR221_TP53 R175H w stop	No
SFB-MDC1	No
ESCO1 N-SFB	No
PUC19 24*flag	No
pcDNA6B-SARS-orf8a-FLAG	No
pDonR_201-tRFP657	No
SFB-BRCA2	No
pDonR_201-Fadd gRNA#2-res	No
pcDNA6B-SARS-nsp3C-FLAG	No
BRCA2 CK1 g1 pITCH	No
pcDNA6B-SARS-nsp16-FLAG	No
pDonR_201-RNASEH2A	No
pcDNA6B-nCoV-orf14-FLAG	No
TIN2 N-SFB	No
pcDNA6B-SARS-orf3b-FLAG	No
SFB-BARD1	No
pcDNA6B-SARS-orf3a-FLAG	No
pcDNA6B-SARS-orf8b-FLAG	No
RIF1 NKI Puro SFB	No
ESCO2 ΔZF N-SFB	No
pcDNA6B-nCoV-nsp13-FLAG	No
TRF2 g2 Hygro	No
pX330-NKI-STING-sgRNA#1	No
pX330-STING-NKI-sgRNA#3	No
RIF1 NKI g3 PITCH	No
HsCD00938170-RHNO1	No
POT1 201	No
pDonR_201-CDC25C WT	No
pDonR_201-STING-S366A	No
RPA3 201	No
pDonR_201-MAVS-C	No
pcDNA6B-nCoV-nsp12-FLAG	No
pZATT isoform	No
53BP1 FL 201	No
pDonR_201-CDC25A	No
POT1 N-SFB	No
RPA2 201	No
STING-NKI-BSD-eGFP	No
TRF2 g1 BSD	No
ESCO2 201	No
pZATT delta	No
ESCO2 1-415 N-SFB	No
SFB-RPA3	No
pcDNA68-nCoV-orf7b-FLAG	No
USP37 WT N-SFB	No
pDonR221_PRKAR1A	No
pcDNA6B-nCoV-nsp9-FLAG	No
pcDNA6B-SARS-nsp 10-FLAG	No
pcDNA68-nCoV-N-FLAG	No
pcDNA6B-nCoV-orf6-FLAG	No
hSMCHD1 sis1re pENTER	No
pDonR_201-CDC25C S216A	No
pcDNA6B-SARS-nsp12-FLAG	No
pcDNA6B-nCoV-nsp5-FLAG	No
SMCΔATPase201	No
pcDNA6B-nCoV-orf9a-FLAG	No
pDonR_201-pVHL 160	No
N-SFB PCNA	No
RAD50 NKI Puro SFB	No
RNaseH1 FL 201	No
pCRIS-PITChv2-dTAG-BSD	No
pDonR_201-LaminB1	No
CtlP NKI g2 PITCH	No
pcDNA6B-nCoV-nsp7-FLAG	No

Non Viral Systems

pDonR_201-pVHL 172	No
USP37 WT Myc	No
pENTR221_NFE2L2 w stop	No
SFB-USP3	No
SMC Hinge R1867G enter	No
pcDNA6B-SARS-nsp3n-FLAG	No
SFB-53BP1	No
GFP-RNF-168	No
NBS1 NKI g2 PX330	No
pDonR_201-RNASEH2C	No
ESCO2 416-601 N-SFB	No
NBS1 NKI Puro SFB	No
pCRIS-PITChv2-BSD-dTAG	No
PCNA-GST	No
RAD51D #1 Donor	No
pDonR_201-N-MAVS	No
SFB-RPA1	No
pcDNA6B-SARS-nsp8-FLAG	No
SFB BRCA1#80	No
pcDNA6B-SARS-nsp 7-FLAG	No
pENTR221_TP53 w stop	No
SFB-BRCA1	No
pcDNA6B-nCoV-nsp14-FLAG	No
XRCC2#1 Donor	No
pcDNA6B-SARS-nsp13-FLAG	No
SAMHD1-SFB	No
pDonR_201-MDA5-WT	No
DNAPK NKI Puro SFB	No
ESCO2 SFB	No
pcDNA3	No
pcDNA6B-SARS-nsp9-FLAG	No
CtlP NKI Puro SFB	No
SFB-53BP1	No
sh53BP1	No
shRNA168	No
BRCA2 201 from BRCA2 SFB	No
pDonR_201-Fadd	No
TRF1 N-SFB	No
pcDNA6B-nCoV-nsp6-FLAG	No
pDonR_201-STING-WT	No
SFB-RNF8	No
pcDNA68-SARS-E-FLAG	No
pcDNA6B-nCoV-S-FLAG	No
Trans SNIP B7H3 BBz (8/8) with 4B-5A site	No
pDonR_201-BAP1	No
Cas9	No
Mre11 NKI g2 PX330	No
SFB-KIAA0157	No
TRF2 201	No
RAP1 N-SFB	No
pcDNA6B-nCoV-E-FLAG	No
USP37 C350S N-SFB	No
pENTR221_KEAP1 w stop	No
pcDNA6B-nCoV-nsp2-FLAG	No
pDonR_201-mouse-cGAS	No
pDonR_201-MDA5-WT-gRNA#1-Res	No
SFB-RPA2	No
RPA1 201	No
pDonR_201-STING-S366A/N154S	No
pcDNA6B-SARS-nsp6-FLAG	No
53BP1 CKI BioID2 3HA	No
pcDNA68-SARS-nsp1-FLAG	No
shRNF8	No
shBRCA1	No
dTAGV-1	No
pDEST, pDEST15, pDEST20	No
53BP1 CKI SFB puro	No
pcDNA6B-nCoV-nsp3n-FLAG	No
BRCA1 NKI g1 PITCH	No
Myc-RNF168	No
pcDNA6B-SARS-M-FLAG	No
SFB-EXO1	No
12*flag PUC19	No
pEGFP-C1	No
pCDNA-miRFP670nano3_BsmBI_Mutated	No
pDonR_201-VHL	No
BRCA1 NKI g1 PX330A	No
ESCO2 ΔAcetyl1 N-SFB	No
HLTF myc	No
pcDNA68-nCoV-orf8-FLAG	No
SMCΔHinge201	No

Non Viral Systems

dTAGV-1-NEG	No
pDonR_201-GFP	No
pDonR_201-CHEK1 WT	No
pDonR_201-Fadd S191A gRNA#2-res	No
SFB-CtlP	No
pcDNA68-nCoV-orf3-FLAG	No
pcDNA6B-nCoV-nsp8-FLAG	No
pcDNA6B-nCoV-M-FLAG	No
pCMV5-HA Capicua	No
SFB SNM1L FL	No
pcDNA6B-SARS-orf7a-FLAG	No
pDonR_223-TBK1	No
pcDNA6B-SARS-nsp14-FLAG	No
SFB-MERIT40	No
pcDNA6B-nCoV-nsp16-FLAG	No
pcDNA6B-nCoV-nsp1-FLAG	No
SMCHD1 FL R1867G 201	No
pDonR_223-SAMHD1	No
IFNb-luciferase	No
REV7 pDONOR	No
pcDNA6B-nCoV-nsp10-FLAG	No
USP37 C350S Myc	No
pDonR_201-miRFP670nano3	No
HLTF Enter 223	No
pDonR_201-Fadd S191D gRNA#2-res	No
pDonR_201-mCherry	No
pDonR_201-RNASEH2B	No
pcDNA6B-nCoV-orf7a-FLAG	No
SFB-DCLRE1A	No
Myc-BARD1	No
pDonR_201-STING-N154S	No
pcDNA6B-SARS-orf9a-FLAG	No
PX330-ZNF451-CK1-2	No
pFastbac1-HIS-GFP-RAD54L2-SIM	No
I-SCE1	No
SLX4IP-SFB-Q62A	No
plenti-SLX4-SFB-3.9	No
pDONOR-SLX4IP-C-R113A	No
plenti-SLX4-SFB-3.12	No
BACMID-HIS-GFP-RAD54L2-SIM	No
pTRIP-SFFV-eGFP-NLS	No
plenti-HA-SUMO2-BSD	No
pLEX307-RAD54L2-FL-WT-SFB-C	No
pDONOR-SLX4-C-1-361	No
pDONOR-SLX4-C-D321-340	No
plenti-CMV-NEO-DEST	No
pDONOR-ZNF451-1-1002	No
pFastbac1-3FLAG-TOP2A-Y805F-SUMO2	No
pLEX307-SF-2NLS-ZNF451-1-996	No
pcDNA3-6HIS-SUMO2	No
plenti-Cas9-BSD	No
pDONOR-SLX4-N-SIM1+2m	No
V2-RECQL4-KO-sg1	No
BACMID_3FLAG-TOP2A	No
SFB-TOP2A_1-430	No
pCRIS-PITCHV2-dTAG-BSD	No
SFB-TOP1	No
GFP-SPRTN	No
pDONOR-XPF-N-D4	No
SFB-SLX4IP-205-408	No
pDONOR-SLX4-C-D81-100	No
pENTER223-DPF2(spec)	No
SFB-XPF-D5	No
plenti-SFB-C-PURO	No
pDONOR-SLX4-N-1540-1834	No
plenti6.2-3FLAG-V5-N	No
SFB-TOP3B-1-295	No
SFB-WDR61	No
pUC19-SFB-P2A-PURO-MCS	No
pET-HIS-GST 29655	No
V2-ZNF198-KO-3	No
pLEX307-SFB-NCAPG	No
DEST-BioID2-HA-C	No
V2-RAD54L2-KO-T2	No
plenti-XPF-SFB-153m-PURO	No
pDONOR-TDP2-E152A	No
pDONOR-TOP2B_1-444	No
pDONOR-SLX4-C-D1-292	No
plenti-SLX4-SFB-D12-1	No
pDONOR-RTF1	No
BACMID-HIS-GFP-RAD54L2-WT	No

Non Viral Systems

plenti-SLX4-SFB-D6-1	No
plenti-MDC1-SFB	No
pLEX307-SFB-scASP1	No
PE-GFP	No
PX330-SLX4-CKI-sgRNA3	No
pFastbac1-HIS-GFP-RAD54L2-WT	No
plenti-TDP1-SFB	No
pDONOR-SLX4IP-N-205-408	No
HA-TOP2A_1202-1621	No
pLEX307-SFB-ZNF451-84-1061	No
pUC19-SLX4-mAID-ARF-3HA-HYGRO-KI	No
pDONOR-TOP3A	No
PX330-ZNF451-CKI-3	No
V2-RECQL4-KO-sg2	No
pLenti6.3-NCAPH-V5	No
PMK232	No
plenti-APEX1-SFB-PURO	No
MYC-BI0ID2-SPRTN	No
plenti-SPRTN-HA-BSD	No
PX459-PURO	No
pDONOR-XPF-C-689m	No
FRT/TO-RAD54L2-SFB-K310A	No
pDONOR-SLX4-C-1-408	No
pDONOR-SLX4-C-D341-361	No
pcDNA5-SFB-SPRTN-Y117C	No
pDONOR-ZNF451-1-1020	No
pLEX307-RAD54L2-SIMm-SFB	No
pLEX307-3FLAG-N-V5-SUMO2	No
CtIP-WT	No
SFB-XPF-D1	No
pUC19-SPRTN-mAID-SFB-HYGRO	No
pLEX307-SFB-TDRD3	No
pBR322	No
pLEX307-SFB-TOP2A	No
RNAaseH2-WKKD	No
pCDNA5-FRT/TO	No
V2-ZNF198-KO-4	No
TLC-V2	No
V2-RAD54L2-KO-2	No
pENTER223-AURKB(spec)	No
TOP1-dTAG-HA-BSD-CKI	No
SLX4IP-SFB-D1-27	No
plenti-SLX4-SFB-3.13	No
pDONOR-SLX4IP-C-R52V53A	No
pDONOR-SLX4-N-789-1204	No
SFB-XPF-225m	No
SLX4IP-SFB	No
Puro-dTAG	No
PX330 A+	No
pDONER-RPA2-WT-N	No
Do-PCNAcki-dTAG#1	No
Do-PCNAcki-dTAG-w/o mCherry	No
pDONR201-SPRTN	No
PX330-MCM2-g6	No
pDONR-C21orf59	No
pDONOR-CDC73	No
Activation library-A_92379	No
plenti-GFP-MMS19-PURO	No
pLEX307-SF-2NLS-N	No
plenti-SLX4-SFB-D2-1	No
pDONOR-TRIM29	No
pDONOR-SLX4-C-D1752-1811	No
pENTER223-FANCI	No
pDONOR-XPF-N-1-655	No
plenti-HA-BSD-DEST	No
pDONOR-RNF168	No
plenti-SLX4-SFB-4.16	No
pFastbac1-RAD54L2-DE462AA-SFB	No
pDONOR-SLX4-N-UBZ1+2m	No
SLX4IP-SFB-R113A	No
pLVX-TET3G-N-RFP	No
pDONOR-SLX4-C-D1-637	No
plenti-SLX4-SFB-D3-1	No
PX330-AAVS1-T2-gDNA	No
pDONOR-XPF-N-D5	No
pDONOR-RQL-C	No
SFB-SLX4IP-N	No
plenti-TurboID-N	No
pDONOR-SLX4-C-S492KE493K	No
FRT/TO-RAD54L2-SFB-SIM	No
pDONOR-SLX4-N-231-460	No

Non Viral Systems

SFB(C)-C21orf59	No
Do-PCNAcki-dTAG-wlinker-mCherry	No
SFB-TOP3B-296-612	No
HA-TDRKH	No
pcDNA3-HA-SUMO2-WT	No
pDONOR-TOP3A-mut	No
SFB-APEX1-N	No
MYC-BIOLD2-SPRTN-E112A	No
V2-RECQL4-KO-sg4	No
APEX1-SFB-C	No
pDONOR-TDP2-H351N	No
SFB-GFP	No
plenti-SLX4-SFB-D12-2	No
pLEX307-SFB-ZNF451-ALAR	No
GFP-SLX4	No
V2-TOP3A-CKI-3	No
HA-TOP2A_431-1193	No
SFB-USP1	No
pTRIPZ	No
SFB-TOP2A_1194-1531	No
plenti-SLX4-SFB-D6-2	No
SLX4-APEX2-2FLAG	No
plenti-CMV-MYC-BIOLD2-SLX4IP	No
PX330-TOP2A-CKI-1	No
FLAG-HA-APEX1-sgm-C65A	No
pDONOR-SLX4IP-C-K91R92A	No
pUC19-SPRTN-mAID-SFB-HYGRO-KI-M2	No
plenti-CMV-BLAST-DEST	No
SFB(N)-C21orf59	No
PX330-RPA2-g6	No
SFB-PCNA	No
Do-PCNAcki-w/oLin-dTAG	No
503TK3	No
Do-RPA1cki-dTAG	No
SFB-SPRTN-E112A	No
Do-RPA2cki-dTAG+g5/6	No
Do-RPA2cki-dTAG-mCherry	No
504TK3	No
tFucci(CA)5	No
PX330-SPRcki-g6	No
506TK3	No
PX458 A+	No
Do#2-B1nki-dTAG(W/O Mu)	No
tFucci(SA)5	No
Do-RPA2cki-dTAGpuro	No
PX458-MCM2-g6	No
TKOV3-Dan	No
Do-SPRcki-dTAG	No
TV3-Min	No
507TK3	No
Do#2-GNB1Lcki-dTAG(+g7)	No
Do-SPRTN-NKI-SFB-w/o puro	No
Do#2-SPRcki-dTAG	No
Do#3(Mu)-B1nki-dTAG	No
701TK3	No
dTAG-BSD	No
Do#3-B1nki-dTAG(Mu)	No
dTAG-cki(template)	No
PX458-PCNAcki-g7	No
dTAG-nki(template)	No
PX458-RPA2cki-g6	No
702TK3	No
pDONR-Nki-BRCA1-dTAG	No
Do#3-BRCA1nki-dTAG	No
PX459	No
PX459-MCM10-g5	No
dTAG-Puro	No
Do#3-PCNAcki-dTAG	No
703TK3	No
PX459-B1nki-g1-1	No
H2B-GFP	No
704TK3	No
PX459-MCM10-g7	No
PX459-BRCA1nki-gRNA1-4	No
705TK3	No
PX459-BRCA1nki-gRNA1-1	No
Do-GINS4cki-dTAG	No
PX459-PCNAcki-g6	No
Do#4-BRCA1nki-dTAG	No
PX459-PCNAcki-g7	No
PX459-BRCA1nki-gRNA1-2	No

Non Viral Systems

pDONR-C21orf59	No
Do#5-BRCA1nki-dTAG	No
Do-GNB1Lcki-2+g7	No
706TK3	No
PX459-BRCA1nki-gRNA1-3	No
PX459-RPA1cki-g6	No
Do-GNB1Lcki-3+g4	No
PX459-C21ORF59-g4	No
TOP1-GLY-dTAG-HA-BSD-CKI	No
pUC19-SLX4-mAID-SFB-HYGRO-KI	No
plenti-XPF-SFB-230m-PURO	No
plenti-SFB-RNF168-PURO	No
plenti-SLX4-SFB-3.13	No
V2-RAD54L2-KO-T4	No
plenti-SLX4-SFB-3.2	No
pENTER-CHD6(Amp)	No
SFB-SUGT1	No
pCRIS-PITCHV2-dTAG-PURO	No
pDONOR-SLX4-C-1-555	No
plenti-TurboID-N-53BP1-PURO	No
pDONOR-SLX4-C-D362-408	No
pDONOR-TOP2B_445-1201	No
IN4MER-CL49	No
pDONOR-SLX4IP-C-D141-300	No
plenti-SFB-C(GFP)	No
pENTER223-ESCO2-N	No
pcDNA5-FRT/TO-SFB-SPRTN-M4+3	No
HA-TDRKH-1-289	No
pFastbac1-RAD54L2-K310A-SFB	No
XPF-SFB	No
Do#6-BRCA1nki-dTAG	No
Do-M2cki-dTAG-mCherry	No
PMD2G	No
707TK3	No
PX459-CDC45-g9	No
H2B-mCherry	No
PX459-RPA1-g5	No
Do#7-BRCA1nki-dTAG	No
708TK3	No
PX459-DONSONcki-g1	No
PX459-RPA2-g6	No
Do#9-SPRcki-dTAG	No
PPAX2	No
Do-MCM10cki-dTAG-BSD	No
501TK3	No
PX459-DONSONcki-g2	No
OuterFTK3	No
PX459-SPRcki-g5-1	No
Do-B1nki-dTAG#2-No mutation	No
Do-MCM2cki-dTAG	No
Amp-C-SFB	No
PX459-DONSONcki-g3	No
PX459-SPRcki-g6-1	No
OuterRTK3	No
PX459-DONSONcki-g4	No
PX459-SPRcki-gRNA9-1	No
Do-BRCA1-NKI-2HA-dTAG	No
Do-MCM2cki-dTAG-mCherry	No
BRCA1-SFB-GFP	No
PX459-DONSONcki-g5	No
PX459-SPRcki-gRNA9-2	No
502TK3	No
Do-C21ORF59cki-dTAG	No
BSD-dTAG	No
PX459-GINS4-g8	No
p2/2	No
Do-CDC45cki-dTAG	No
BWG	No
p201	No
PX459-SPRnki-gRNA3	No
PX459-GINS4-g8	No
pAdF6	No
pAAV-EF1a	No
PX459-SPRTN-Ex5-g2	No
PX459-GNB1Lcki-g7	No
pUC19	No
BWG pool	No
pCap6	No
pDONOR223	No
V2-RECQL4-KO-sg5	No
pDONOR-SLX4-N-C269m	No

Non Viral Systems

plenti-CMV-PURO-DEST	No
pDONOR-SLX4IP-C-S119A	No
MYC-BIOID2-SPRTN-PIP*	No
pDONOR-H2AX	No
pX330-NCAPH2-CKI-sg1	No
pDONOR-XPf-Del1	No
plenti-SLX4-SFB-D2-2	No
plenti-GFP-DCAF5-PURO	No
pDONOR-SLX4-N-293-638	No
HA-TOP3B-613-862	No
plenti-CHD4(amp)	No
pLEX307-SFB-N-RAD54L2-DE462-FL	No
pLEX305-C-dTAG	No
pDONOR-RQL-DNASU	No
pDEST-TurboID-N	No
SFB-TOP3B-613-862	No
FLAG-HA-APEX1-sgm-D210N	No
pENTER223-OASL(spec)	No
plenti-SLX4-SFB-4.17	No
plenti-CMV-SLX4-SFB-PURO	No
plenti-SFB-SPRTN-delSHP-PURO	No
RFP-luciferase	No
Donor-PCNAcki-dTAG-long	No
PX459-SPRTN-L17	No
DDR	No
pDEST-SFB-N 200ng	No
Donor-SPRcki-SFB-4	No
Do#1-PCNAcki-dTAG	No
PX459-SPRTN-L19	No
HA-SIMC1	No
pDONOR-RNF8	No
pDONOR-SLX4-C-D101-120	No
plenti-HA-SUMO2-BSD	No
SLX4IP-SFB-R52V53A	No
HA-FLAG-SLX4-PURO	No
V2-TOP3A-CKI-5	No
pX330-NCAPH2-CKI-sg2	No
pDONOR-TOP2A	No
SLX4IP-SFB-D140-300	No
pUC19-SPRTN-mAID-SFB-HYGRO-KI-M8	No
SFB-FANCL	No
pCDH-CMV-EF1-GFP-SFB-C	No
pDEST-N-GFP	No
plenti-SLX4-SFB-D3-2	No
pFastbac1-RAD54L2-WT-SFB	No
PX330-TOP2A-CKI-2	No
TOP1-NA-dTAG-HA-BSD-CKI	No
pDONOR-XPf-N-230m	No
pET-HIS-GFP	No
pDONOR-RQ5-C	No
pDONOR-RNF8-C413S	No
PX330	No
pDONOR-BLM-N	No
pLEX307-SFB-ZNF451-D168-525	No
SFB-TDP1	No
pDONOR-SLX4-C-1-637-D61-65	No
plenti-SLX4-SFB-D13-1	No
SFB-TOP2A_1202-1621	No
SLX4IP-APEX2-FLAG	No
pDONOR-SLX4-C-D409-450	No
MYC-BIOID2-SPRTN-SHP*	No
pDONOR-TOP2B-Y826F	No
pDONOR-Ub	No
BACMID_3FLAG-TOP2A-SUMO2	No
SFB-BAG5	No
pDONOR-XPf-N-I225M	No
pDONOR-ZNF451-1-1035	No
pLEX307-SFB-C	No
SLX4-BIOID2-HA	No
pcDNA5-SFB-SPRTN-E112A	No
FRT/TO-RAD54L2-SFB-WT	No
pcDNA3.1-strepHA-SUMO2	No
pDONOR-RQL-N	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pLEX307
Lentivirus	No	pInducer20
Lentivirus	No	pLenti6.2, pLenti6.3, pLentiV2
Lentivirus	No	pLenti
Lentivirus	No	mTKO

Viral Systems

Lentivirus	No	McspKO
Lentivirus	No	loxIICD
Lentivirus	No	loxDDR
Lentivirus	No	mPIM
Lentivirus	No	mDDR
Lentivirus	No	iCas9
Lentivirus	No	In4mer
Lentivirus	No	pLentiCRISPR
Lentivirus	No	hDDR
Lentivirus	No	pLX301, pLX302, pLX303, pLX304
Lentivirus	No	TKOv3
Lentivirus	No	plex_307, pLEX_307-RAD54L2-WT-SFB, pLEX_307-RAD54L2-K310A-SFB, RAD54L2-SFB deletion variants
Lentivirus	No	pHAGE-TRE
Lentivirus	No	pGreenFire1
Lentivirus	No	lentiCRISPRv2
Lentivirus	No	pGIPZ
Lentivirus	No	Cas9
Lentivirus	No	pRDA_550
Lentivirus	No	pCDH
Lentivirus	No	mIICD
Lentivirus	No	pLenti-CMV-Puro
Lentivirus	No	AAVS1
Lentivirus	No	3X FLAG-TOP2A, 3X FLAG-TOP2B

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Colon Cancer Cells (HT29)	No
B cell precursor leukemia cell line(Nalm-6, BLIN-1)	No
Breast cells (EMT6)	No
Breast, Mammary Gland Cells (4T1)	No
Lymphoblast	No
Mouse Fibroblast (breast & other cancers)	No
Cervical Cancer	No
Lung Cancer	No
Colon Cancer Cells (MC38)	No
Liver Cancer Cell line Huh-7	No
Embryonic Kidney Cells (BOSC23)	No
Breast Cancer	No
Retina Epithelial Cells(RPE1)	No
Pancreas (PANC-1, AsPC-1, Capan-2, CFPAC-1, HPAF-11, Panc 10.05, BxPc-3, SW1990)	No
hTERT RPE-1, Retina Epithelial Cells immortalized with hTERT	No
Colon Cancer Cells (HCT116)	No
Cervical Cells (HeLa)	No
Lung Cells (NCI-H1299)	No
Ovarian Cancer	No
Skin melanoma cancer cells (B16-F10)	No
Embryonic Kidney Cells	No
Lung and other cancer cell lines	No
Ovarian Cancer	No
Embryonic Kidney Cells (HEK293A, HEK293T, 293FT)	No
Breast, Mammary Gland Cells (MCF10A, MDA-MB-436)	No
Embryonic stem cell (C57BL/6)	No
Sarcoma cells (U2OS)	No
Breast Cancer (168FARN, 4T07, 67NR)	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	24	0	0	0
Investigator :	Gregory Friedman			
Document No. :	RM00007394-RN00_AM6			
NIH Guidelines Category :				
Agents :				

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	Lenti-P2A-Neo / Lenti-CRISPRv2/Lenti-TLCv2

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Brain tumor (9728, MP, 18-1002, 15-405-7)	Yes
Brain tumor (D456, SF8628, DIPG-007, SU-DIPG-36, D283, D341)	Yes
embryonal human kidney (293FT*)	No
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	24	0	0	0
Investigator :	Dihua Yu			

Document No. :
NIH Guidelines Category :
Agents :

RM00000653-RN02_AM12

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pMD2.G	No
psPAX2	No
pBK-CMV	Yes
esiRNA	No
pCMV6	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pMD2.6 and psPAX2 as part of the package system. PLKO, PGIPZ, PTRIPZ and other backbones suitable for shRNA delivery, pLentiCRISPR v2 and TLCV2 for CRISPR cas9 mediated gene knockout
Lentivirus	Yes	pMD2.6 and psPAX2 as part of the package system. pLVX, pLOC, pLKO, pGIPZ , pLenti6.3, pLOVE, pCDH, pTRIPZ, PLX304
retrovirus	No	pWZL

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
breast cancer	Yes
mouse melanoma cell lines	Yes
mammary tumor cell	Yes
murine dendritic cell line DC2.4	Yes
fibroblast cells	Yes
lung cancer cell lines	Yes
pancreatic cancer cell	Yes
package cell for lenti- or retrovirus production	No
pancreatic cancer cell	Yes
packaging cell line 293T or HEK293	No
murine spleen T cells (including OT-1/OT-2 cells)	Yes
myeloid cells (bone marrow derived macrophages or dendritic cells)	Yes
breast cancer PDX lines and derivative sublines (including WHIM3 cells)	Yes
human monocytes derived dendritic cells (MoDCs)	No

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	24	0	0	0
Investigator :	Subrata Sen			
Document No. :	RM00000133-RN02_AM4			

NIH Guidelines Category :
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
PEGFP-1	No
pRL-CMV	No
λgt10	No
pRL-null	No
PGL3	No
pRL-TK	No
PLexA	No
PCR2.1	No
pTRE	No
PTK-Hyg	No
PCR2.1-Topo	No
pRL-SV40	No
PTet-On	No
λ Zap II	No
PTRE-Luc	No
pB42AD	No
PTRE-Luc	No
PTK-Hyg	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	Yes	FUGW
Lentivirus	Yes	pHIV-Luciferase
Lentivirus	No	Edit-R iCas9
Lentivirus	No	Edit-R sgRNA

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
AK192	Yes
SUM159	Yes
HT116	No
HeLa	No
HUH7	Yes
NIH3T3	No

Cell Lines

PLC/PRF/5	Yes
293T cell line	No
HepG2	Yes
JHH2	Yes
Panc 02.13	Yes
Pancreas	No
MCF10	No
SKBR3	No
Hep3B	Yes
MCF7	No
MDA-MB-231	No
MiaPaca	No
Cos-7	No
AK196	Yes
SUM149	Yes
JHH6	Yes
SNU308	Yes
SNU475	Yes
HPNE	No
HUPT3	Yes
AsPC1	Yes
HPDE	No
MDA-MB-468	Yes
BT474	No
PANC1	Yes
H526	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E.coli DH5a	No
E.coli Stbl3	No
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	24	0	0	0

Investigator : Pawel Mazur
Document No. : [TA00002050-RN01_AM9](#)
NIH Guidelines Category :

Species	ACUF#	Genes Inserted	Genes Deleted
Mouse	00001636-RN03	H11-LSL-dCAS9-KREB-MePC3;rttA, Ptf1a-FlpO-DHFR, NFIB, I-Ppol (ERT2-HA-I-Ppol-IRES-GFP), ROSA26-LSL-MEK5(S311D, T315D) , LSL-EGFR-L858R, Ptf1-Cre, ROSA26-LSL-PIK3CA(H1047R), L-Myc, Antares (fusion of NanoLuc and CyOFF1 proteins), H11-LSL-dCAS9-KREB-MePC3; rrtA (CRISPRi), ROSA26-LSL-PRDM9, LSL-Sox2, Stra8-Cre, Anxa10-CreERT2, LSL-Kras(G12D), Col11-FSF-NFIB-MYC-CreDHFR (NMC), ROSA26-LSL-ASH1L(E2171K) , ROSA26-LSL-IKK2ca, H11-LSL-dCAS9-VPR;rttA (CRISPRa), ROSA26-LSL-tdTomato, Pdx1-CreER, LSL/FSF-Kras(G12C), CDX2P-CreERT2, ROSA26-LSL-NSD2(E1099K), Rps9(D95N), Ptf1-FlpO, ROSA26-CreERT2, Ttf1-CreERT2, LSL-GNAS(R201H), CARM1, H1.11 - Cas9, ROSA26-FlpO-ER, SIRT7, FSF-Kras(G12D), RPL22-HA (RiboTag), Pdx1-FlpO, CMV-Cre, ROSA26-LSL-Sf3b1(K700E), ROSA26-LSL-WHSC1L1(E1193K), Ptf1-CreERT2, Col11-FSF-SOX2-PIK3CA-PRKCI-ECT2 (SPPE), ROSA26-Cas9, ROSA26-LSL-PRDM14	RBM6, RBM10, METTL3, RBL2, PTEN, METTL21A, SMYD5 , SMAD4, Ii10, LKB1, MSH2, ERK5, SETD2, MST1/MST2, ASH2L, N6AMT2, RB1, SETD4, SUV420H2, eEF1a-KMT4, SETD6, p53, SETDB1, Cdkn2a/b (INK/ARF), ARID1a, SETD5, ATRX, MEN1, METTL16, NSD1, STAT3, CARM1, METTL18, NSD3 (WHSC1L1), NSD2, SMYD4, CDYL, ASH1L, SMYD2, DSTYK, SIRT7, YAP1, KEAP1, METTL22C, SETD3, METTL5, METTL13, METTL10, METTL21B, SRF, METTL24, SUV420H1, RBL1, SOCS3, SMYD3

Biosafety Level :
Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	24	0	0	0

Investigator : Steven Hsesheng Lin
Document No. : [RM00000639-RN02_AM2](#)
NIH Guidelines Category :

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

Cell Lines

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

Microbial Agents

Name	Administered to Animals in Vivo
E. coli (DH5α)	No
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	24	0	0	0

Investigator : Eleonora Dondossola
Document No. : [RM00006800-RN00_AM2](#)
NIH Guidelines Category :
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
Muc1 DeltaCT pPB TetOn IRE	No
pcDNA3.1-mCherry or HIF-Neptune	Yes
Muc1 DeltaCT moxGFP pPB TetOn	No
pCMV-E2-Crimson	Yes
pGL3-Basic Luc	Yes
Muc1 DeltaCT moxGFP pPB TetOn rtTA NeoR	No
pPB TetOn rtTA NeoR	No
pPB TetOn IRES GFP rtTA NeoR	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pLB
Lentivirus	No	pLentiV62V5-DEST w/ cOVA from pCI-neo-cOVA
Lentivirus	No	pLKO
Lentivirus	No	pLVTHM
Lentivirus	No	pLenti6.2-IRES-G1-Orange-S-G2-M-Green
Lentivirus	No	H2B mCherry pLenti6.2v5
Lentivirus	No	pLNCX2-DsRed
Lentivirus	No	pLHCK-EGFP
Lentivirus	No	pLentiV62V5-DEST
Lentivirus	No	pLV rtTA-M2 IRES NeoR
Lentivirus	No	pLenti-U6-sgRNA-SFFV-Cas9-2A-Puro
Lentivirus	No	pBMN-Luc-GFP
Lentivirus	No	rV2.1A1.2187 C2
Lentivirus	No	pLentiV62V5-DEST w/ OVA from pAc-neo-OVA
Lentivirus	No	pLVX-IRES-ZsGreen1
Lentivirus	No	pBMN-Luc-Tomato

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Fibrosarcoma	Yes
Breast Cancer	Yes
Osteoblasts	Yes
Kidney	Yes
Prostate Cancer (PDX)	Yes
Melanoma	Yes
Prostate Cancer (PDX)	Yes
Melanoma	Yes
Mesenchymal Stem Cells	Yes
Breast Cancer	Yes

Microbial Agents

Name	Administered to Animals in Vivo
One Shot TOP10 Competent E.Coli	No
Stable3 (Stbl3) Competent E.Coli	No
Novablue E.Coli	No
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	24	0	0	0

Investigator : Georgios Karras
Document No. : [RM00003059-RN01_AM11](#)
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-Capecci	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

Non Viral Systems

ptetO7, pZEM	No
pGEX, pGEX-2T	No
pDEST17, pDEST22, pDEST32	No
pDONR221, pDONR227	No
pGEM, pFA	No
CRISPR/Cas9 template vector, shRNA	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-zco, 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
MDCK kidney cells	No
mouse pluripotent cell lines	No
head and neck squamous cell carcinoma (CAL27, CAL33)	Yes
lung adenocarcinoma	No
Ductal Carcinoma	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	24	0	0	0

Investigator : Scott Evans
Document No. : [RM00000495-RN03_AM1](#)
NIH Guidelines Category :
Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pGIPZ

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Primary Mouse lung cells	No
Primary Human lung cells	No
Human lung cells	No
Mouse lung cells	No

Microbial Agents

Name	Administered to Animals in Vivo
------	---------------------------------

Microbial Agents

Influenza A	Yes
Streptococcus pneumoniae	Yes
Klebsiella pneumoniae	Yes
Pseudomonas aeruginosa	Yes
Aspergillus fumigatus	Yes
Staphylococcus aureus	Yes
Candida albicans	Yes
Pneumocystis murina	Yes
Parainfluenza virus	Yes
Human Coronavirus NL63	No
Pneumocystis carinii	Yes
Mouse Coronavirus MHV-A59	Yes
Human Coronavirus OC43	No
Rhizopus oryzae	Yes
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	24	0	0	0

Investigator : Gregory Friedman
Document No. : [RM00006918-RN00_AM8](#)
NIH Guidelines Category :
Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
	Yes	
	No	
	Yes	
	Yes	
	No	
	Yes	

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
	Yes
	No
	Yes
	BSL2
Biosafety Level :	Personnel changes only.
Meeting Notes :	

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	24	0	0	0

Investigator : Xiling Shen
Document No. : [RM00007541-RN00_AM9](#)
NIH Guidelines Category :
Agents :

Non Viral Systems

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

Viral Systems

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

Cell Lines

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

Microbial Agents

Name	Administered to Animals in Vivo
E.coli DH5alpha	No
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	24	0	0	0

Investigator : Katy Rezvani
Document No. : [RM00002650-RN01_AM10](#)
NIH Guidelines Category :
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
	No

[REDACTED]

[REDACTED]

[REDACTED]

No
No
No

Virus System

Device Type	Percentage (%)
Smartphone	95
Tablet	85
Smartwatch	80
Smart TV	75
Smart Home Device	70
Smart Car	65
Smart City	60
Smart Building	55
Smart Grid	50
Smart Infrastructure	45

Cell Line

Age Group	Should Take Action (%)	Should Not Take Action (%)
18-29	85	15
30-49	85	15
50-69	85	15
70+	85	15

Name _____

Biosafety Level :

Meeting Notes :

Disposition

Approved

Votes For

24

Investigator :

Document No. :

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name

pcDNA3-HIF-2a WT
pGL3 prom
pcDNA3-Glut luc mutant
pcDNA3-Glut luc normal
pCEP4 HIF
pcDNA3-HIF-1a P402/564A
pGL3 control
pGL2
pcDNA3-HIF-1a D401-603
pcDNA3-HIF-2a P405/534A
pcDNA3-HIF-1a WT

Viral Systems

Virus System

[illegible]

Cell Lines

Cell Line

Virus Administered to Animals

[illegible]

Backbones

Response	Percentage
U.S. should take action to address climate change	95%
U.S. should not take action to address climate change	5%

Cell Lines Administered to Animals in Vivo

No
Yes
No
No
Yes
No
No
No

Administered to Animals in Vivo

No
BSL2
Personnel changes only.

Votes Against

0

Votes Abstain

0

Votes-Recuse

0

Stephen Yenzen Lai

RM00000541-RN02 AM4

Is Whole Animal Used as Host

No
No
No
No
No
No
No
No
No
No
No

Virus Administered to Animals

No	pSilencer-U6(1.0)
No	pCMV-Stat3 RE-1 GFPXPRT
No	pCMV-Stat3-RE-2 GFP-XPRT
No	pCMV-HRE-GFP-XPRT(EcRI
No	pCMV-siEPOR3
No	pCMV-GFP
No	pCMV-Stat3 RE-3 GFPXPRT
No	pCMV-siEPOR5
No	pSingle -luc
No	pSUPER-HIF1a-si
No	pSUPER-Snai1-si
No	pCMV-Stat3 RE-6 GFPXPRT
No	pCMV-HA-EPOr
No	pCMV-Stat3-Flag
No	pCMV-HA-EPOr
No	pCMV-Stat3 RE-5 GFPXPRT
No	pCMV-Stat3 RE-8 GFPXPRT
No	pSUPER-twist-si
No	pCMV-Stat3 RE-4 GFPXPRT
No	pSUPER-top3a-si
No	psingle shRNA HIF-1 α
No	pCMV-Stat3 RE-GFP-CMV-XPRT
No	pCMV-control siRNA
No	pNGVL3-CMV-luc
No	pSilencer-U6/Stat3 3.1
No	pCMV-pEpoR Neo
No	pCMV-Stat3 RE-7 GFPXPRT

Cell Lines Administered to Animals in Vivo

Cell Lines

22A (HNSCC)	No
17A (HNSCC)	No
Head and neck squamous cell carcinoma (HNSCC)	No
Human embryonic kidney 293T cells	No
17B (HNSCC)	No
22B (HNSCC)	No

Microbial Agents

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

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	24	0	0	0
Investigator :	Vincent Bernard Pagan			
Document No. :	RM00008371-RN00_AM1			
NIH Guidelines Category :				
Agents :				

Non Viral Systems

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

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pLKO
AAV	No	AAV8
Lentivirus	No	pVSVg (Addgene)
Lentivirus	No	LentiCRISPRv2 (Addgene)
Adenovirus	No	pAdEasy
Adenovirus	No	Adenox Vector (Clontech)

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Pancreatic Cancer cell lines	Yes
Pancreatic cancer - Pa09C	No
PDX (PANC198.PANC215 and PANC185	Yes
HEK293T	No
Pancreatic cancer - Pa16C	No
Pancreatic cancer - Pa04C	No
Pancreatic cancer - Pa01C	No
Pancreatic cancer - Pa20C	No
Pancreatic cancer - Pa02C	No
Pancreatic cancer - Pa07C	No
Pancreatic cancer - Pa03C	No
Pancreatic cancer - Pa08C	No

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	24	0	0	0
Investigator :	Kristen Pauken			
Document No. :	RM00006570-RN00_AM19			
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-orthologue
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

Cell Lines

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 Stb13	No
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	24	0	0	0

Investigator : Gregory Friedman
Document No. : [RM00007417-RN00_AM4](#)
NIH Guidelines Category :
Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Herpesviruses	Yes	HSV-1 (F), G207- IFN- γ -PD-L1 Antibody (Name: G207-4)
Herpesviruses	Yes	HSV-1 (F), G207-GFP (Name: G207-1)
Herpesviruses	Yes	HSV-1 (F), G207- CSF1 (Name: G207-5)
Herpesviruses	Yes	HSV-1 (F), G207- LIF (Name: G207-6)
Herpesviruses	Yes	HSV-1 (F), G207- GD2 (Name: G207-7)
Herpesviruses	Yes	HSV-1 (F), G207-PD-L1 Antibody (Name: G207-2)
Herpesviruses	Yes	HSV-1 (F), G207- IFN- γ (Name: G207-3)

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Brain Tumor	No
Brain Tumor	No
Vero cells	No
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	24	0	0	0

Investigator : Simone Krebs
Document No. : [RM00007946-RN00_AM3](#)
NIH Guidelines Category :
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
Retrovirus	No	SFG

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
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
Galv9	No
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 DH5 α	No
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	24	0	0	0

Investigator : Pavlos Msaouel
Document No. : [RM00008300-RN00_AM1](#)
NIH Guidelines Category :
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pCMV-DTRcAI-Luc	No
H2B-mCherry Plasmid	No
pEGFP-	No
pGEX	No
pCDNA	No
pCMV-GIP-DTR	No
pCMV-DTRcAI-Red	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Adeno-associated virus	Yes	pAAV-Flex, PD43
Lentivirus	No	pLenti-PGK-Venus
Adenovirus	Yes	pEMS2158 (AAV9 SEROTYPE)
Adenovirus	Yes	Ad5CMVCre-eGFP
Lentivirus	No	pLVX-TetOne
Lentivirus	No	LentiCRISPRV2
Lentivirus	No	pLv-Puro EF1A
Lentivirus	No	pLenti 4, pLenti 6, pLenti 6.3; pLenti 7.3, pCMV, pBabe-Puro, pTripz, pGipz, pLKO, pLentiCMV, pLKO.1;pHAGE; pRS116, pFUGW based; pCDH, LentiCrispr-V2-GFP; pLSM5
Lentivirus	No	pLKO.1

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
RMC Cell lines	Yes
MSRT1	Yes
Vhl-Trp53-Pten-Cdkn2a-Cdkn2b Mouse Cell Line	Yes
293T helper Cells	No
FhKO9p21.3del Mouse Cell line	Yes

Microbial Agents

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

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	24	0	0	0

Investigator :

Jean Gautier

Document No. :

[RM00008256-RN00_AM3](#)

NIH Guidelines Category :

Agents :

Non Viral Systems

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

Viral Systems

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

Cell Lines

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

Microbial Agents

Name	Administered to Animals in Vivo
E. coli(DH5 alpha)	No
E. coli (NEB Stable)	No
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	24	0	0	0

Investigator :

Jean Gautier

Document No. :

[RM00008256-RN00_AM2](#)

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
• pAc-GFP-C1	No
• FNpCDNA3	No

Non Viral Systems

• pCAGGS	No
• Actin chromobody-TagGFP	No

Viral Systems

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

Cell Lines

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

Microbial Agents

Name	Administered to Animals in Vivo
E. coli(DH5 alpha)	No
E. coli (NEB Stable)	No
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	24	0	0	0

Investigator : Sarah Kezar
Document No. : [RM00006297-RN00_AM6](#)
NIH Guidelines Category :
Agents :

Cell Lines

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

Microbial Agents

Name	Administered to Animals in Vivo
Human Immunodeficiency Virus-1 (HIV-1) CH077 backbone "077_RMT"	Yes
Human Immunodeficiency Virus-1 (HIV-1) CH077 backbone "077_RMTE"	Yes
Human Immunodeficiency Virus-1 (HIV-1) CH077 backbone "077_RM"	Yes
Human immunodeficiency virus-1 NL4-3 backbone	Yes
Human Immunodeficiency Virus-1 (HIV-1) CH077 backbone "077_R"	Yes
Human Immunodeficiency Virus-1 (HIV-1) CH077 backbone "077_RTE"	Yes
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	24	0	0	0

Investigator : Stephen Yenzen Lai
Document No. : [RM00000136-RN02_AM6](#)
NIH Guidelines Category :
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pRL-CMV	No
pSuper-control	Yes
pcDNA6.2-EGFP	No
pmirGLO	No
pSuper	Yes
pcDNA3	No
pGL4	No
pGL3	No
pRL-TK	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pLVX-Tetone
Lentivirus	No	pTripz-shRNA
Lentivirus	No	pINDUCER10
Lentivirus	No	pINDUCER20
Lentivirus	No	pBabe

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Head and Neck Squamous Cell Carcinoma	Yes
293T	No

Microbial Agents

Name	Administered to Animals in Vivo
Dh5-alpha	No
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	24	0	0	0
Investigator :	Cassian Yee			
Document No. :	RM00000378-RN02_AM7			
NIH Guidelines Category :				
Agents :				
Non Viral Systems				
Technical Name	Is Whole Animal Used as Host			
	No			
Viral Systems				
Virus System	Virus Administered to Animals		Backbones	
	No			
	No			
	No			
	No			
	No			
Cell Lines				
Cell Line	Cell Lines Administered to Animals in Vivo			
	Yes			
	Yes			
	Yes			
	No			
	No			
	No			
Biosafety Level :	BSL2			
Meeting Notes :	Personnel changes only.			
Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	24	0	0	0
Investigator :	Jonathan M Kurie			
Document No. :	RM00000566-RN03_AM2			
NIH Guidelines Category :				
Agents :				
Non Viral Systems				
Technical Name	Is Whole Animal Used as Host			
miR200 promoter/pGL3-basic	No			
pGL3-PMT-miR-34a	No			
mCherry-Golgi-7	No			
EGFP-GalT (pEGFP-N1)	No			
E-cadherin-GFP	No			
pSGHP1	No			
miR34a promoter/pGL3-basic	No			
CRISPR/Cas9	No			
pEGFP ZO1	No			
IGFBP2_GFP	No			
pCMV6-p85alpha-Flag	No			
pIRES2-EGFP	No			
CAS9GFP2	No			
RAB6A_GFP	No			
EGFP_GalNAC (CellLight™ Golgi-GFP *BacMam 2.0*)	No			
393P-pEGFP-C3; 393P-pEGFP-C3-PAQR11; 393P-pEGFP-C3-PAQR11-ΔN; and 393P-pEGFP-C3-PAQR11-ΔC	No			
EGFP_GM130	No			
pEGFP-C3	No			
pcDNA3-EGFP-Rac1-wt	No			
pcDNA 3.1	No			
CAS9GFP2-mLH2	No			
CMV-CAS9-2A-GFP	No			
pEGFP Centrin2 (Nigg UK185)	No			
pSpCas9(BB)-2A-GFP (PX458)	No			
mCherry-Gamma-Tubulin-17	No			
mCherry-Beta-Catenin-20	No			
pGL3-control vector	No			
pET His6 MBP TEV LIC cloning vector	No			
pGL3-basic	No			
CRISPR/Cas9	No			
pEGFP-VSVG	No			
344SQ-pEGFP-C3; 344SQ-pEGFP-C3-PAQR11; 344SQ-pEGFP-C3-PAQR11-ΔN; and 344SQ-pEGFP-C3-PAQR11-ΔC	No			
P1	No			
Zeb1/pcDNA 3.1	No			
CAS9GFP2-hLH2	No			
Viral Systems				
Virus System	Virus Administered to Animals		Backbones	
Lentivirus	No		lentiCRISPRv2 (lentiCRISPRv2-GOLGIN45/GRASP55-sgRNAs-pLVX-HA-GOLGIN45-deltaIDR2, lentiCRISPRv2-GOLGIN45/GRASP55-sgRNAs-pLVX-HA-GOLGIN45-deltaIDR3, lentiCRISPRv2-GOLGIN45/GRASP55-sgRNAs-pLVX-HA-GOLGIN45-WT)	
Lentivirus	No		pLKO.1 puro (pLKO.1-puro-shRNA)	
Lentivirus	No		pLVX-Puro-HA	

Viral Systems

Lentivirus	No	lentiCRISPRv2 (lentiCRISPRv2-GOLGIN45/GRASP55-sgRNAs-pLKO.1-BRAT1/CPEB2/KLF13/LSR/SSP1-shRNA)
Lentivirus	No	lentiCRISPRv2 (lentiCRISPRv2-GOLGIN45-sgRNAs, lentiCRISPRv2-GRASP55-sgRNAs, lentiCRISPRv2-GOLGIN45/GRASP55-sgRNAs)
Lentivirus	No	pLVX-Puro-HA (pLVX-Puro-HA-GOLGIN45-L400R, pLVX-Puro-HA-GOLGIN45-NLS MT, pLVX-Puro-HA-GOLGIN45-WT)
Retroviral	No	pBABE-hygro
Lentivirus	No	plenti 4.1(GFP) and plenti 4.1-miR200b
Lentivirus	No	pCMV-VSV-G
Lentivirus	No	PQCXIX-LUC
Lentivirus	No	Cerulean/LeGo-Cer2 (mCAFs-Cerulean/LeGo-Cer2; mLFs-Cerulean/LeGo-Cer2; huCAFs-Cerulean/LeGo-Cer2; huLFs-Cerulean/LeGo-Cer2)
Lentivirus	No	pLKO.1 (Scramble shRNA)
Lentivirus	No	pLKO.1 (344SQ-pLKO.1-Rock1 shRNA; 344SQ-pLKO.1; 393P-Zeb1-pLKO.1-Rock1 shRNA; 393P-Zeb1-pLKO.1)
Lentivirus	No	pEF-Bsr
Lentivirus	No	pLKO.1 (Rock1 shRNA)
Lentivirus	No	pLVX-Puro (H1299-pLVX-Puro-vector; H1299-pLVX-Puro-miR148a; H1299-pLVX-Puro-miR206)
Lentivirus	No	pLV711G (344SQ-pLV711G)
Lentivirus	No	PQCXIX (344SQ-PQCXIX-LUC; KC2-PQCXIX-LUC; H1299-PQCXIX-LUC; H157-PQCXIX-LUC; A549-PQCXIX-LUC; H441-PQCXIX-LUC)
Retroviral	No	pBABE-puro
Lentivirus	No	pLKO.1 puro (pLKO.1-GFP-shRNA)
Lentivirus	No	pFIV (pFIV-H1-copGFP)
Lentivirus	No	pLKO.1 (344SQ-pLKO.1-shGFP; 344SQ-pLKO.1-shPAQR11#1; 344SQ-pLKO.1-shPAQR11#3)
Lentivirus	No	pLKO.1 (H1299-pLKO.1-shGFP; H1299-pLKO.1-shPAQR11#2; H1299-pLKO.1-shPAQR11#4)
Lentivirus	No	pLVX-Puro (344SQ-pLVX-Puro-vector; 344SQ-pLVX-Puro-miR148a; 344SQ-pLVX-Puro-miR206)
Lentivirus	No	pLKO.1 (531LN2-pLKO.1-shGFP; 531LN2-pLKO.1-shPAQR11#1; 531LN2-pLKO.1-shPAQR11#3)
Lentivirus	No	pLV711G (miR200)
Lentivirus	No	psPAX2
Lentivirus	No	pLVX-Puro (393P-pLVX-puro vector; 393P-pLVX-puro-PAQR11; H226-pLVX-puro vector; H226-pLVX-puro-PAQR11)
Lentivirus	No	pLKO.1 (pLKO.1-mouse LH2 shRNA 1 & 2)
Lentivirus	No	pGIPZ lentiviral shRNA
Lentivirus	No	pLKO.1 (shDctn1)
Lentivirus	No	pHAGE-DEST
Lentivirus	No	Cerulean/LeGo-Cer2
Lentivirus	No	Precision LentiORFs
Lentivirus	No	pLVX-Puro (KC4-pLVX-Puro-Vector; KC4-pLVX-Puro-LH2-WT; KC4-pLVX-Puro-LH2-D689A; KC4-pLVX-Puro-LH2-DN; KC4-pLVX-Puro-LH2-LOX)
Lentivirus	No	pGIPZ
Lentivirus	No	pLV711G (miR34a)
Lentivirus	No	pFIV (miR34a/pFIV-H1-copGFP)
Lentivirus	No	pLV711G (344SQ-pLV711G-miR34a)
Lentivirus	No	pLKO.1 (TRC Control)
Lentivirus	No	mCherry_pLVX-Puro
Lentivirus	No	pLKO.1 - TRC cloning vector (no stuffer) (pLKO.1 hygro)
Lentivirus	No	pLV711G
Lentivirus	No	pLKO.1 (pLKO.1-shRNA PAQR11 #1; #2; #3 and #4)
Retroviral	No	pBABE-puro-mTert
Lentivirus	No	pLVX-Puro
Lentivirus	No	pLVX_Puro2
Lentivirus	No	pLVX_Bsr
Lentivirus	No	lentiCRISPR v2
Retroviral	No	pBabe hygro myc p110-CAAX
Lentivirus	No	pMD2.G
Lentivirus	No	pLKO.1 (TRC cloning vector)
Lentivirus	No	pRRLSIN (pLKO.1 neo)
Lentivirus	No	pEF-Puro2
Lentivirus	No	pLVX-Puro (531LN2-pLVX-Puro-vector; 531LN2-pLVX-Puro-miR148a; 531LN2-pLVX-Puro-miR206)
Lentiviral and CRISPR	No	pHR-SFFV-KRAB-dCas9-P2A-mCherry
Lentivirus	No	pTRIPZ

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Human lung fibroblast cells (CAFs and LFs)	No
mouse lung cancer cells (344SQ, 344P, 531LN1, 531LN2, 393P, 393LN, KC1, KC2, KC3, KC4)	Yes
mouse lung cancer cells (LKR13, 307P, 412P, K1, K2)	No
fibroblast cells (NIH3T3)	No
Mouse embryonic fibroblasts(MEF, H2, H3, G7, G8)	No
Mouse preosteoblast(MC3T3-E1 Subclone 4)	No
Chinese hamster ovary cells (CHO cell line)	No
epithelial cells (HEK293T)	No
Mouse lung fibroblast cells (CAFs and LFs)	Yes
mouse lung squamous cancer cell lines (Trp53-/-; Kmt2d-/- and Trp53-/-; Pten-/-)	Yes

Cell Lines

Human lung cancer cells (H520, H596, CALU-1)	No
retrovirus packaging cell line (PT67)	No
Human lung cancer cells (A549, H1299, H441, H358, H1650, H460, H2122, H23, H1395, H3122)	Yes
Human lung cancer cells (H157, H226, HCC95)	No

Microbial Agents

Name	Administered to Animals in Vivo
E.coli stbI3	No
E.coli DH5 alpha	No
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	24	0	0	0
Investigator :	Luigi Perelli			
Document No. :	RM00008252-RN00_AM5			
NIH Guidelines Category :				
Agents :				

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pCDNA	No

Viral Systems

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

Cell Lines

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

Microbial Agents

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

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	24	0	0	0
Investigator :	Eleonora Dondossola			
Document No. :	RM00006800-RN00_AM3			
NIH Guidelines Category :				
Agents :				

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
Muc1 DeltaCT pPB TetOn IRE	No
pcDNA3.1-mCherry or HIF-Neptune	Yes
Muc1 DeltaCT moxGFP pPB TetOn	No
pCMV-E2-Crimson	Yes
pGL3-Basic Luc	Yes
Muc1 DeltaCT moxGFP pPB TetOn rtTA NeoR	No
pPB TetOn rtTA NeoR	No
pPB TetOn IRES GFP rtTA NeoR	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pLB
Lentivirus	No	pLentiV62V5-DEST w/ cOVA from pCI-neo-cOVA
Lentivirus	No	pLKO
Lentivirus	No	pLVTHM
Lentivirus	No	pLenti6.2-IRES-G1-Orange-S-G2-M-Green
Lentivirus	No	H2B mCherry pLenti6.2v5
Lentivirus	No	pLNCX2-DsRed
Lentivirus	No	pLHCK-EGFP
Lentivirus	No	pLentiV62V5-DEST
Lentivirus	No	pLV rtTA-M2 IRES NeoR
Lentivirus	No	pLenti-U6-sgRNA-SFFV-Cas9-2A-Puro
Lentivirus	No	pBMN-Luc-GFP
Lentivirus	No	rV2.1A1.2187 C2
Lentivirus	No	pLentiV62V5-DEST w/ OVA from pAc-neo-OVA
Lentivirus	No	pLVX-IRES-ZsGreen1
Lentivirus	No	pBMN-Luc-Tomato

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Fibrosarcoma	Yes
Breast Cancer	Yes
Osteoblasts	Yes
Kidney	Yes
Prostate Cancer (PDX)	Yes
Melanoma	Yes
Prostate Cancer (PDX)	Yes

Cell Lines

Melanoma	Yes
Mesenchymal Stem Cells	Yes
Breast Cancer	Yes

Microbial Agents

Name	Administered to Animals in Vivo
One Shot TOP10 Competent E.Coli	No
Stable3 (Stbl3) Competent E.Coli	No
Novablue E.Coli	No
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	24	0	0	0

Investigator : Stephen Yenzen Lai
Document No. : RM00001774-RN01_AM15
NIH Guidelines Category :
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pEGFP-C1	No
pGL4.10	No
CRISPR/Cas9 Knockout	No
pGL3 promoter	No
pTL-luc	No
pTRE2hyg	No
pOTB7	No
pRC-CMV	No
pHcRed-C1	No
pTRE-6xHN	No
pGL3 basic	No
pGL3 enhancer	No
pET-27b (+)	No
pEYFP-Golgi	No
pIRESneo3	No
pcDNA3.1	No
pEGFP-N-terminal protein fusion	No
pSV	No
pRL-CMV	No
pcDNA3.1/his a,b,c	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
retrovirus	No	pBR322
retrovirus	No	pLVX-EF1 α -IRES-Puro
Retrovirus	No	PBMN-1-GFP-luciferase
retrovirus	No	pRSI17
bacularvirus	No	pFastBac HT a,b, or c
lentivirus	No	pBR322
retrovirus	No	pRSI16
adenovirus	No	pAd5CMVK-NpA
lentivirus	No	pLentiCRISPR-v2E (HK14)
lentivirus	No	pRSGCCP-U6-(sg)-CMV-Cas9-2A-Puro (was pRSGC1)
retrovirus	No	pMSCV

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
thyroid cancer	Yes
melanoma	Yes
HNSCC	Yes
Phoenix cells	No
thyroid cancer	Yes
thyroid cancer	Yes
thyroid cancer	Yes

Microbial Agents

Name	Administered to Animals in Vivo
TOP10	No
Dh5a	No
Bm Δ vjbR	Yes
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
	24	0	0	0

Investigator : Rugang Zhang
Document No. : RM00006732-RN00_AM8
NIH Guidelines Category :
Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pLKO.1, pLentiCRISPRv2, pMD2.G, psPAX2, pLVX

Cell Line	Cell Lines Administered to Animals in Vivo
ARID1A Mutated OCCC (TOV21G, OVISE, IGROV1, OVTOKO, SKOV3, A2780, JHOC-9)	No
Endometrial ovarian cancer (12Z)	No
HEK293T/293T Embryonic Kidney Cell Line	No
ARID1A WT OCCC (RMG-1, OVCA429, ES2, KK)	No
ID8 Murine HGSOC Cell Line	No

Name	Administered to Animals in Vivo
E. Coli (DH5a)	No
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

Investigator :	Yuan Pan
Document No. :	RM00005849-RN00_AM58
NIH Guidelines Category :	
Agents :	

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

[illegible]

[illegible]

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

Lentivirus

Yes

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

No
No
No

No
No
No

pTripz-shRNA
PBMN-I-GFP
plvx-tetone

Viral Systems

Lentivirus	No	pInducer 20
Lentivirus	No	pInducer
Lentivirus	No	pInducer 10

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Mouse squamous cell carcinoma cell line	No
Thyroid cancer cell line	Yes
293T	No
Head and Neck cancer cell lines	Yes
phoenix	No

Microbial Agents

Name	Administered to Animals in Vivo
E.coli including DH5alpha and TOP10	No
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

9. ANNUAL REVIEWS

24-yes; 0-no; 0-abstain; 0-recuse

Investigator :	William G Wierda
Document No. :	RM00002646-RN01_AR002
Investigator :	Kevin McBride
Document No. :	RM00000626-RN02_AR003
Investigator :	Yejing Ge
Document No. :	RM00003492-RN01_AR002
Investigator :	Liuqing Yang
Document No. :	RM00000263-RN02_AR003
Investigator :	Dipen Maheshbhai Maru
Document No. :	RM00000583-RN02_AR001
Investigator :	Ronald A DePinho
Document No. :	RM00000627-RN02_AR004
Investigator :	Bin Wang
Document No. :	RM00000650-RN02_AR001
Investigator :	Timothy Thompson
Document No. :	RM00000538-RN02_AR003
Investigator :	Ju-Seog Lee
Document No. :	RM00003140-RN01_AR002
Investigator :	Michael Green
Document No. :	RM00004277-RN01_AR001
Investigator :	Ecaterina Ileana Dumbrava
Document No. :	RM00006981-RN00_AR002
Investigator :	Stephen Yenzen Lai
Document No. :	RM00000136-RN02_AR003
Investigator :	Mehmet Altan
Document No. :	RM00006891-RN00_AR002
Investigator :	Rugang Zhang
Document No. :	RM00006985-RN00_AR002
Investigator :	Katharina Schlacher
Document No. :	RM00000109-RN02_AR001
Investigator :	George T Eisenhoffer Jr
Document No. :	TA00000784-RN02_AR001
Investigator :	Guillermina Lozano
Document No. :	RM00000681-RN02_AR003
Investigator :	Dimitrios P Kontoyiannis
Document No. :	RM00002038-RN01_AR004
Investigator :	Swaminathan Iyer
Document No. :	RM00007750-RN00_AR001
Investigator :	Sattva S Neelapu
Document No. :	RM00005542-RN00_AR004
Investigator :	Vinay Puduvalli
Document No. :	RM00005571-RN00_AR004
Investigator :	Yang Chen
Document No. :	TA00006163-RN00_AR003
Investigator :	Jennifer Wargo
Document No. :	RM00005544-RN00_AR004
Investigator :	Patrick M Dougherty
Document No. :	RM00000309-RN02_AR004
Investigator :	Nicholas Short
Document No. :	RM00007770-RN00_AR001
Investigator :	Robert Dantzer

Document No. :	RM00004261-RN01_AR001
Investigator :	Honami Naora
Document No. :	RM00000166-RN02_AR001
Investigator :	Jing Ye
Document No. :	RM00007856-RN00_AR001
Investigator :	Edmund Scott Kopetz
Document No. :	RM00005538-RN00_AR004
Investigator :	Scott Evans
Document No. :	RM00007055-RN00_AR002
Investigator :	Fabien Delerue
Document No. :	RM00007008-RN00_AR002
Investigator :	Albert Koong
Document No. :	RM00007037-RN00_AR002
Investigator :	Steven Hsesheng Lin
Document No. :	RM00000638-RN02_AR002
Investigator :	Jae-II Park
Document No. :	RM00006950-RN00_AR002
Investigator :	Mark T Bedford
Document No. :	TA00000736-RN02_AR004
Investigator :	John Tainer
Document No. :	RM00002090-RN01_AR004
Investigator :	Joya Chandra
Document No. :	RM00005178-RN00_AR004
Investigator :	Raghu Kalluri
Document No. :	TA00000758-RN02_AR002
Investigator :	Scott Evans
Document No. :	TA000007056-RN00_AR002
Investigator :	Krina Patel
Document No. :	RM00003169-RN01_AR002
Investigator :	Andrew Shepherd
Document No. :	RM00003471-RN01_AR002
Investigator :	Sairah Ahmed
Document No. :	RM00006920-RN00_AR002
Investigator :	Elias Joseph Jabbour
Document No. :	RM00007773-RN00_AR001
Investigator :	Don Lynn Gibbons
Document No. :	RM00000569-RN02_AR002
Investigator :	Maria Morelli
Document No. :	RM00007004-RN00_AR002
Investigator :	Yiwen Chen
Document No. :	RM00003299-RN01_AR002
Investigator :	Roy F Chemaly
Document No. :	RM00001993-RN01_AR004
Investigator :	John Paul Shen
Document No. :	RM00003297-RN01_AR002
Investigator :	Rugang Zhang
Document No. :	RM00007066-RN00_AR002
Investigator :	Biruh Tosfu Workeneh
Document No. :	RM00006838-RN00_AR002
Investigator :	Aung Naing
Document No. :	RM00006056-RN00_AR003
Investigator :	Gabriel Oliveira Sawakuchi
Document No. :	RM00006175-RN00_AR003
Investigator :	Junjie Chen
Document No. :	RM00000599-RN02_AR001
Investigator :	Rodabe N Amaria
Document No. :	RM00007769-RN00_AR001
Investigator :	Chandra Bartholomeusz
Document No. :	RM00006159-RN00_AR003
Investigator :	Xiao Ni
Document No. :	RM00003347-RN01_AR002
Investigator :	Sankaranarayanan Kannan
Document No. :	RM00007069-RN00_AR002
Investigator :	Sankaranarayanan Kannan
Document No. :	RM00007070-RN00_AR002
Investigator :	Omar Pacha
Document No. :	RM00005136-RN00_AR004

Investigator :	Bogdan A Czerniak
Document No. :	RM00000651-RN02_AR002
Investigator :	John Tainer
Document No. :	RM00001973-RN01_AR004
Investigator :	Sankaranarayanan Kannan
Document No. :	RM00007068-RN00_AR002
Investigator :	Sachet Shukla
Document No. :	RM00006141-RN00_AR003

10. TERMINATIONS

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

Investigator :	Sarah Kezar
Document No. :	RM00006083-RN00
Investigator :	Betty Kim
Document No. :	RM00005068-RN00
Investigator :	Anirban Maitra
Document No. :	RM00000687-RN02
Investigator :	Anirban Maitra
Document No. :	RM00005515-RN00
Investigator :	Sattva S Neelapu
Document No. :	RM00004839-RN00
Investigator :	Samuel Shelburne
Document No. :	RM00008305-RN00
Investigator :	Rama Soundararajan
Document No. :	RM00006203-RN00
Investigator :	Mingjian James You
Document No. :	RM00000113-RN02

11. OLD BUSINESS ITEMS

Item	Description	Presenter	Attachments
Final BSL Determination for RM00006297-RN00_AM5 – Kezar, Sarah		Marcos Roberto Estecio, Ph.D.; Professor, Epigenet & Mol Carcinogenesis	

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
Introduction of New IBC Members Community Member Attendance	Manu Banadakoppa and Arlisa Edwards-Benford were present and counted among the votes.

15. ADJOURNMENT