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

INSTITUTIONAL BIOSAFETY COMMITTEE MINUTES
Recombinant DNA(RM)
Meeting #280
Tuesday, September 8, 2026
Hybrid - In Person Location BSRB S3.8003ab - 1:00 PM

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

Members Absent
Izabela Fokt, Assistant Professor
Tora D Ogunmakin, Assoc Dir, Ambulatory Nursing
Shilpa S. Dhar, Assistant Professor
Krithika Srinivasan, Assistant Professor
Humam N Kadara, Professor
Vidya Gopalakrishnan, Associate Professor

Community Members Present

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

Others Absent

1. APPROVAL OF THE PAST MEETING MINUTES

Meeting	Votes-Yes	Votes-No	Votes-Abstain	Votes-Recuse
IBC Recombinant meeting on Tuesday, August 11, 2026	19	0	2	0

2. CONFLICT OF INTEREST RECUSAL

Attendee	Project	Comment
Humam N Kadara	RM00003782-RN01_AM14	Dr. Kadara is the PI of this non-administrative modification.
Humam N Kadara	RM00003627-RN01_AM17	Dr. Kadara is the PI of this non-administrative modification.

3. REPORT OF THE SAFETY COMMITTEE
Linette Leadon, M.S.; Dir, Fac Mgt EHS Administration - Nothing to report.

4. REPORT OF RECOMBINANT DNA (RM) SUBCOMMITTEE
Marcos Roberto Estecio, Ph.D.; Professor, Epigenet & Mol Carcinogenesis

5. NEW PROTOCOLS

BSL 1: NEW PROTOCOLS

There are no new protocols to review for this meeting.

NEW TRANSGENIC ANIMAL PROTOCOLS:

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	21	0	0	0

Investigator : George A Calin
Document No. : TA00009189-RN00
NIH Guidelines Category : III-F-8.
Agents :

Species	ACUF#	Genes Inserted	Genes Deleted
Mouse	00001033-RN04, 00000949-RN04,00001251-RN04, 00001584-RN03		Strain: Pdpn-tk (Line D); PyMT-MMTV. Pdpn gene promoter drives the expression of tk.

Biosafety Level : BSL1
Meeting Notes : The registration addresses housing of animals and objectives of studying Pdpn-tk; PyMT-MMTV transgenic animals, which will be used to investigate the function of normal cells found in the tumor microenvironment in promoting cancer progression and metastasis. Amendments are under IACUC review updating the PI to Dr. Calin.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	21	0	0	0

Investigator : George A Calin
Document No. : TA00000725-RN03
NIH Guidelines Category : III-F-8.
Agents :

Species	ACUF#	Genes Inserted	Genes Deleted
Mouse	00000807-RN04	CCAT2	

Biosafety Level : BSL1
Meeting Notes : The primary goal of this proposal is to generate transgenic mouse carrying allele-specific expression CCAT2, a novel non-coding RNA transcript of interest in colorectal cancer, to further provide the proofof-principle for its oncogenic nature.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	21	0	0	0

Investigator : George A Calin
Document No. : TA00009191-RN00
NIH Guidelines Category : III-F-8.
Agents :

Species	ACUF#	Genes Inserted	Genes Deleted
Mouse	00000673-RN04		
Mouse	00001251-RN04		
Mouse	00001068-RN04		
Mouse	00001033-RN04		
Mouse	00000949-RN04		
Mouse	00000783-RN04		
Mouse	00001058-RN04		

Biosafety Level : BSL1
Meeting Notes : This project uses a transgenic aSMA-tk mouse model to investigate the roles of specific cell populations within the tumor microenvironment and their contributions to cancer progression, metastasis, fibrosis, and disease development. By targeting and characterizing distinct stromal cell populations marked by FSP1, aSMA, NG2, and PDGFRβ, the researchers aim to better understand the cellular pathways that drive tumor growth and progression. ACUF protocols are current.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	21	0	0	0

Investigator : George A Calin
Document No. : TA00009190-RN00
NIH Guidelines Category : III-F-8.
Agents :

Species	ACUF#	Genes Inserted	Genes Deleted
Mouse	00000673-RN04 00001058-RN04 00000949-RN04 00000783-RN04 00000704-RN04 00001251-RN04 00001068-RN04		Strain: aSMA-RFP. Gene: aSMA

NEW TRANSGENIC ANIMAL PROTOCOLS:

Biosafety Level : BSL1

Meeting Notes : The registration addressed the breeding of a new transgenic strain of mouse in which the aSMA gene promoter region is used to regulate the expression of red fluorescent protein (RFP). The animals will be utilized for the functional characterization of cancer and cellular pathways in cancer progression. Amendments are under IACUC review updating the PI to Dr. Calin.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	21	0	0	0

Investigator : George A Calin

Document No. : TA00009185-RN00

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

Agents :

Species	ACUF#	Genes Inserted	Genes Deleted
Mouse	00001584-RN03	Rosa26-LSL-CD63-GFP	
Mouse	00001584-RN03	Rosa26-LSL-mEmerald-CD81	
Mouse	00001584-RN03	Rosa26-LSL-mCherry-CD9	

Biosafety Level : BSL1

Meeting Notes : The new protocol generates transgenic mouse models to study exosome trafficking with fluorescent labeling of CD9, CD81, and CD63 using the Rosa26-LSL mouse lines. These models will be crossed with breast cancer animal models. ACUF is current.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	21	0	0	0

Investigator : George A Calin

Document No. : TA00009192-RN00

NIH Guidelines Category : III-F-8.

Agents :

Species	ACUF#	Genes Inserted	Genes Deleted
Mouse	00001033-RN04, 00000673-RN04, 00000949-RN04, 00001058-RN04, 00000704-RN04, 00001251-RN04, 00001584-RN03, 00001068-RN04		Strain: aSMA-Cre. aSMA gene promoter drives the expression of Cre recombinase.

Biosafety Level : BSL1

Meeting Notes : aSMA-CRE transgenic mice will be bred and utilized in their study designed to investigate the impact o normal cells surrounding cancer cells within the tumor microenvironment. Amendments are under IACUC review updating the PI to Dr. Calin.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	21	0	0	0

Investigator : George A Calin

Document No. : TA00009186-RN00

NIH Guidelines Category : III-F-8.

Agents :

Species	ACUF#	Genes Inserted	Genes Deleted
Mouse	00001033-RN04		Strain: Pdpn-tk (Lines K, S, and D). Pdpn gene promoter drives the expression of tk.

Biosafety Level : BSL1

Meeting Notes : This protocol aims to generate Pdpn-tk mice which allow studying the role of lymphatic endothelial cells. HSV-TK transgene is driven by Pdpn which facilitates depletion of Pdpn expressing and proliferating lymphatic endothelial cells upon treatment with ganciclovir. An amendment is under IACUC review updating the PI to Dr. Calin.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	21	0	0	0

Investigator : George A Calin

Document No. : TA00009187-RN00

NIH Guidelines Category : III-F-8.

Agents :

Species	ACUF#	Genes Inserted	Genes Deleted
Mouse	00001058-RN04		PDDR2-Tk (including line M)
Mouse	00001058-RN04		FAP-Cre

NEW TRANSGENIC ANIMAL PROTOCOLS:

Mouse	00001251-RN04, 00001058-RN04	PDGFRb-tk
Mouse	00001058-RN04	Col4a1
Mouse	00000704-RN04	Zeb1
Mouse	00001068-RN04, 00001058-RN04	Col1a1-tk (including lines K, R)
Mouse	00001058-RN04	PDDR2-Cre (including lines M, K, & R)
Mouse	00001251-RN04, 00001058-RN04	Col1a1
Mouse	00001058-RN04	Zeb1-Floxed
Mouse	00001251-RN04, 00001058-RN04, 00001068-RN04	FAP-TK (including lines T, M)

Biosafety Level : BSL1

Meeting Notes : This submission is to register commercially available mouse lines and other transgenic animal models that will be generated by the institutional core facility to knock out specific genes of interests in their study of the tumor microenvironment. Amendments are under IACUC review updating the PI to Dr. Calin.

BSL 2: NEW PROTOCOLS

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	21	0	0	0

Investigator : Martha Hensel

Document No. : RM00009167-RN00

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

Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
adenovirus	Yes	Ad5/F35 adenoviral backbone

Room Numbers

Room No.	Description
BRE1.3117	Animal Facilities
BRE1.2302	Research/Non-Class Laboratory- Wet Lab
BRE1.3109	Animal Procedure Room

Biosafety Level : BSL2

Meeting Notes : The goal of this protocol is to investigate hereditary colorectal cancer and develop targeted chemo preventive strategies, with a focus on Lynch syndrome. Adenoviral vectors expressing colorectal cancer associated neoantigens will be used as vaccines to evaluate immunogenicity and safety in non-human primates with inherited mutations that predispose to colorectal cancer. The adenoviral vaccine will be prepared by an external vendor, shipped and stored frozen at −80°C, thawed on the day of dosing, prepared in a biosafety cabinet, and transported to the animal procedure room for administration. An amendment is under IACUC review changing the PI to Dr. Hensel.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	21	0	0	0

Investigator : George A Calin

Document No. : RM00009184-RN00

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

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
472997: pD2528-CMV-472997	No
pCMV/SB10	No
mouse Tgfbr2 donor plasmid	No
PGC1a flag	No
Flag-P53/pRK5	No
pCMV4a-Flag-c-Myc	No
Perk WT	No
pD2528-CMV_QHD43416.1_C-trunc	No
GFP-p53	No
pCMV14-3X-Flag-SARS-CoV-2 S	No
pEGFP-AGO2	No
pcDNA3-RLUC-POLIOIRES-FLUC	No
αSMA-TK	No
mPlum-C1	No

BSL 2: NEW PROTOCOLS

Non Viral Systems	
pJKR-H-tetR	No
pD2529-CMV-ACE2_human	No
mouse Gpc1 donor plasmid	No
pPAmCherry1-C1	No
pCMV3-mFCGR2B-t1	No
pD2528-CMV-P.1 Spike Protein	No
nCov-1 nCov-2P-F3CH2S	No
pcDNA3-YFP	No
pCMV6-CD63-GFP	No
pcDNA3.3_mCherry	No
CMV T II Pet 28 Clone	No
tdTomato-C1	No
499328: pD2528-CMV-472997	No
pCMV3-mTNFSF9	No
pDsRed Express 1	No
pMetLuc-Mem Control	No
pFLAG CMV 6A Clones 1-5	No
pCI neo-hEST2-globin mRNA vector	No
pD2528-CMV:499328	No
pT2/Onc	No
pCMV6-Entry	No
pEGFP-n1-APP	No
MCX K11Fl PC BFT	No
pCAG-T7pol	No
pCMV3-untagged	No
PDGFRB-PDsRed	No
aSMA-RFP	No
pFLAG CMV 6A Clone 1 (MD 010508)	No
MMTV-cFos-SV40	Yes
pCMV3-mCD80	No
pDESTmycDicer	No
Drosha WT	No
pRK5-EGFP-Tau P301L	No
a2 PD5 + CAR	No
pCMV5 DPC4 (1-514)	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

BSL 2: NEW PROTOCOLS

Non Viral Systems	
NG2-TK	No
pVax1-hVEGF165	No
pCMV3-mCD2	No
pPalmitoyl-mTurquoise2	No
pcBFT-Col 18 TSPN Clone 1	No
gRNA Smad4 mouse target #2 gene knockout plasmid	No
HSP-Cre-IRES	No
pCAS9-guide mouse CD274 donor plasmid	No
FSP 1 II S4P	No
pSpCas9(BB)-2A-GFP (PX458)	No
Oct4 KLF4 Sox2 c-Myc	No
mCherry-CD9-10	No
mouse Pdcd1lg2 donor plasmid	No
EBFP2-C1	No
pcDNA3.1-CMV-CFP;UBC-Cre25nt	No
pD2528-CMV-QHD43416.1	No
pQC membrane Tdtomato IX	No
Zeb1	No
pIRES2-EGFP-p53 WT	No
pD2528-CMV_RBD-TwinStrep-VSV-G_TM_Chimera	No
pCMV3-CD80	No
pD2529-CMV	No
GGT-SV40	No
pCep. PU	No
pD2528-CMV-B.1.1.526	No
Human GPC-1 overexpression plasmid	No
SARS-CoV-2 spike protein mRNA	No
pMetR-ACE2ecto	No
pD2528-CMV-IVT mRNA vector	No
FSP1-GFP	No
pcDNA3 LIC cloning vector	No
T7 PelB His6	No
PresentER-SIINFEKL (GFP)	No
mCherry-CD81-10	No
PDGFRB-TK –TOPO 11	No
C2 CANSTATIN pc BFT midi	No
pBS18	No
pCMV/SB11	No
pD2528-CMV	No
mCherry-Tsg101	No
pCMV3-CD40LG	No
pT3-N90-beta-catenin	Yes
MtPT4-eGFP	Yes
SB100X in pCAG globin pA	Yes
pT3-EF1A-MYC-IRES-luc	Yes
Perk K618A	No
pD2528-CMV_QHD43416.1_C-trunc-VSV-G-tm	No
ACE2-mFc	No
pCMVTag4-Dicer	No
pD2538-CMV-mVEGF	No
pCAG-mGFP	No
pRP[Exp]-Mouse Col1a2 promoter	No
pRP[Exp]-Stuffer>luciferase	No
pGL4.75[hRluc/CMV] Promoter	No
pGL4.24 [luc2P/minP]	No
pGL4 [luc2P/COLA1A/Hygro]	No
pLV[Exp]-Bsd-EF1A>{mTrp53[NM_011640.4]*_R245W}	No
pGL3	No
pcDNA3-OVA	No
pcDNA3-SARS-CoV-2-RBD-8his	No
pD2528-CMV-B.1.617.2 Spike Protein	No
pCMV6-AC-mGFP	No

BSL 2: NEW PROTOCOLS

Non Viral Systems

pEGFP-C1	No
pT/Caggs-NRASV12	Yes
pCMV/SB11	Yes
pT3-myr-AKT-HA	Yes
pCMV-Mark2-tGFP,	No
pCMV-Mark3-tGFP	No
pCMV3-C-His_SARS-CoV-2 (2019-nCoV) Nucleoprotein Gene ORF cDNA clone expression plasmid	No
pcBFT Col 18 NCL Clone D	No
pD2528-CMV_RBD-VSV-G_TM_Chimera	No
pcDNA	No
Cerulean-N1	No
PCD FL0X	No
pCMV3-C-GFPSpark-BACE1 cDNA ORF Clone	No
pD2528-CMV_QHD43416.1-VSV-G-tm	No
CANSTATIN Pet 2B	No
pD2529-CMV_ACE2_human_C-trunc-VSV-G-tm	No
mCherry-hALIX	No
pCMV NYC CRI (MIMI)	No
a2 PD5 (4825Y)	No
pRosa26-DEST	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pDual-ACE2, pCMV-VSV-G, psPAX2
Lentivirus Particles	Yes	CRISPR-Cas9-sgVHL, CRISPR-Cas9, pLenti CMV/TO SV 40 small + Large T (w612-1), pLenti-C-mGFP-P2A-Puro, LentiCas9-Blast Plasmid, pLKO.1-puro, CMV-Bsd-CFP
Bacculovirus	No	pCMV-Dest
Simian immunodeficiency virus (SIV)	No	pSIV3, pCMV-VSV-G, psPAX2, pCMV-Luc2-IRES-mCherry, pcDNA3-spike expression
Recombinant vesicular stomatitis virus	No	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	No	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

BSL 2: NEW PROTOCOLS

Viral Systems

Lentivirus	Yes	Trp53 donor plasmid, Negative Scramble, gRNA, Scramble Negative, E1a-EGFPCre; gRNA Pdcd1lg2, Tgfbr2, Smad4, Gpc1, Gpc1(hu), CD274 target #1 gene knockout plasmid, gRNA Pdcd1lg2, Tgfbr2, Smad4, Gpc1, Gpc1(hu), CD274 target #2 gene knockout plasmid
Lentivirus	No	GIPZ Lentiviral shRNA Controls, GIPZ Human CD9 shRNA, GIPZ Human CD63 shRNA, GIPZ Human CD81 shRNA, (LV01) U6-gRNA:ef1a-puro-2A-Cas9-2A-tGFP, pHR-pSFFV-dCas9-SunTag-P2A-BFP-dWPRE, pHR-pSFFV-dCas9-SunTag-P2A-BFP-dWPRE, pSLQ1651-sgTelomere (F+E)
Adenovirus	Yes	pAdEasy, Ad-Null, Ad-mCherry-Cre, Ad-GFP-2A-iCRE, Ad-DET1, Ad-CMV-FLPO
Lentivirus	Yes	pCMV-VSV-G, pLentiCRISPRv2, LV/Cas9-Claudin2-sgRNA1,2, LV/Cas9-Claudin10-sgRNA1,2 EGFP gRN, lenti-CRISPR-Cas9-GFP vector, ITR-U6-sgRNA(Kras)-U6-sgRNA(p53)-U6-sgRNA(APC)-pEFS-Rluc-2A-Cre-shortPA-KrasG12D_HDRdonor-ITR (AAV-KPL) vector
Adenoassociated virus (AAV)	No	AAV control, AAV ATDC, AAV CEACAM, AAV CTSE, AAV KLK10 or AAV KTLLPTP
Lentivirus	No	pMD2.G, psPAX2, pRDA_550_ CHRNA4gRNA, pRDA_550_ SERPINB14gRNA, pRDA_550_ FCGBPgRNA, pRDA_550_ PCNAgRNA

Cell Lines

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

Room Numbers

Room No.	Description
4SCR5.1188	Tissue Culture Facility
4SCR5.1189	Tissue Culture Facility
PPB1.510	Animal Facilities
4SCR5.1174	Tissue Culture Facility
4SCR5.1176	Tissue Culture Facility
PPB1.520	Animal Facilities
PPB2.730	Animal Quarters Service

BSL 2: NEW PROTOCOLS

Room Numbers

PPB1.514 — Animal Facilities

Biosafety Level : BSL2

Meeting Notes : The goal of this protocol is to identify genes that drive cancer cell growth, invasion, tumor growth, and metastasis. Adenovirus, baculovirus, lentiviral, and retroviral vector systems will be used for gene modulation studies, and genetically modified cancer cells will be evaluated in xenograft mouse models. Adenovirus, lentivirus and vesicular stomatitis virus will also be administered directly into mice to silence genes. The protocol also includes collection of plasma, serum, urine, and stool samples from possible COVID-19/SARS-CoV-2-positive patients for exosome purification and molecular assays. It is recommended that vaccination options are discussed with personnel. ACUFs and IRB protocols are current.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	20	0	1	0

Investigator : Hind Rafei

Document No. : RM00009152-RN00

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

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pcDNA3/pcDNA3.1, pEGFP-C1/pEGFP-N1, pCMV, pEF1a, pCAG, pUC19/pBR322, pX330 and pX458, pSFG/SFG, pMSGV1, pMP71, pMSCV, pMIG, pMXx, pRetroX, pBABE, pRRL; pCCL; pLV; pLenti; pLVX; pCDH; FUW; FUGW; LeGO; pLKO.1; lentiCRISPR, pHAGE	No
sgRNA, crRNA, mRNA, siRNA, shRNA	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
lentivirus	No	pRRL; pCCL; pLV; pLenti; pLVX; pCDH; FUW; FUGW; LeGO; pLKO.1; lentiCRISPR
RETROVIRUS	No	pRetro; MSGV1; MSCV/pMSCV; pMIG/MIGR1; pMX/pMXs; MP71; MFG
retrovirus	No	SFG; pSFG
lentivirus	No	pHAGE - HIV-1 based backbone

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Normal fibroblasts	Yes
Ovarian cancer	Yes
Splenocytes	Yes
Pancreatic cancer	Yes
murine primary cells - Peripheral blood mononuclear cells	Yes
Phoenix-ECO	No
Phoenix-Ampho	No
Blood cancer	Yes
Kidney cancer	Yes
Plat-E	No
Plat-A	No
T cells	Yes
Cancer-associated fibroblasts	Yes
Cancer-associated fibroblasts	Yes
293T	No
human primary cells - Peripheral blood mononuclear cells	Yes
293GP	No
Patient-derived pancreatic cancer organoids	Yes
PDX-derived colorectal cancer cells	Yes
Pancreatic cancer	Yes
human pancreatic stellate cells (hPSCs)	Yes
Normal fibroblasts	Yes
Normal fibroblasts	Yes
Matrix	Yes
Brain cancer	Yes
Breast cancer	Yes
Ovarian cancer	Yes
EcoPack2-293	No
Breast cancer	Yes

BSL 2: NEW PROTOCOLS

Cell Lines

Patient-derived kidney cancer organoids	Yes
Patient-derived breast cancer organoids	Yes
Cancer-associated fibroblasts	Yes
Cancer-associated fibroblasts	Yes
Patient-derived colorectal cancer organoids	Yes
Brain cancer	Yes
Colorectal cancer	Yes
PDX-derived kidney cancer cells	Yes
Head and Neck cancer	Yes
PDX-derived breast cancer cells	Yes
Head and Neck cancer	Yes
Kidney cancer	Yes
Colorectal cancer	Yes
Matrix	Yes
Blood cancer	Yes
Normal fibroblasts	Yes
T cells	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E. coli DH5a, TOP10, stbl3, NEB Stable, XL1-Blue, JM109	No

Room Numbers

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

Biosafety Level : BSL2

Meeting Notes : The goal of this research is to develop better CAR-T cell therapies for cancer. Expression of a variety of human and mouse genes involved in cancer biology will be modulated in cells of primary and nonprimary origin, using viral and non-viral vectors, however, the protocol does not list the actual plasmid backbones. Cells will be administered to animals in vivo, including PDXs and organoids. ACUF is current.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	21	0	0	0

Investigator : Martha Hensel

Document No. : RM00009154-RN00

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

Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
fUSE5 (M13 derived bacteriophage) peptide library	Yes	filamentous bacteriophage
pDan5 (M13 derived bacteriophage) antibody library	Yes	filamentous bacteriophage

Room Numbers

Room No.	Description
VNC1.101	Animal Quarters Service
VNC1.100	Animal Quarters Service
VLA1.MC3	Animal Facilities
BRE1.2311	Non_Class Lab Service
VLA1.MR8	Animal Facilities
VLA1.MP2	Animal Facilities
VLA1.MP4	Healthcare Treatment/Examination
VLA1.MP5	Animal Facilities
VLA1.MP3	Animal Facilities
BRE1.2302	Research/Non-Class Laboratory- Wet Lab
VLA1.MP8	Animal Facilities
VLA1.MP7	Animal Facilities
VLA1.MC2	Animal Quarters Service
VNC1.107	Healthcare Treatment/Examination

Biosafety Level : BSL2

Meeting Notes : The PI proposes to use in-vivo phage display in rhesus macaques, including animals with spontaneous colon carcinomas, to identify tissue- and tumor-selective vascular targets that could be developed into diagnostic markers or targeted therapies relevant to Lynch syndrome-associated colorectal cancer. Phage libraries will be administered intravenously prior to tissue collection at euthanasia. While the bacteriophage agents

are Risk Group 1 (RG1), biosafety level of BSL2+ is recommended to account for the risks associated with rhesus macaques.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	21	0	0	0

Investigator : Subrata Sen
Document No. : RM00009177-RN00
NIH Guidelines Category : III-D-3-a.
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pGEX	No
pGEX-4T1	No
pET28a	No
pENTR-3C	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentiviral (for CRISPR KO)	No	lentiCRISPR V2
Retroviral vector (for gene expression)	No	pMSCV-Blasticidin
Lentiviral (for shRNA knockdown)	No	pLKO.1
Lentiviral (for gene expression)	No	pHAGE-GFP

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
HeLa	No
U2OS	No
PC-3	No
T98G	No
HEK293T	No

Microbial Agents

Name	Administered to Animals in Vivo
E. coli (BL21, Rosetta, DH5a)	No

Room Numbers

Room No.	Description
LSP11.5012	Research/Non-Class Laboratory- Wet Lab
LSP12.4105	Tissue Culture Facility
LSP12.4120	Tissue Culture Facility

Biosafety Level : BSL2
Meeting Notes : The PI's work focuses on studying human factors involved in DNA damage response Specifically, the group works on two genome stability pathways that manage and reverse alkylation damage during RNA transcription; and a second that manages DNA damage during transcription. The overall goal of the work is to provide a biochemical and molecular understanding of how the two pathways are connected. Biochemistry, cell biology and molecular biology approaches will be used. Commercially available bacterial plasmids will be used for cloning and expressing proteins for purification and biochemical assays. Lenti/retroviral vectors will be used for over expression and knockdown experiments expression Established cell lines will be used. Animal experiments are not proposed.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	21	0	0	0

Investigator : Van Karlyle Morris
Document No. : RM00009135-RN00
NIH Guidelines Category : III-C-1.
Agents :

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Colorectal Cancer Tissue	No
Blood	No
PBMC	No

Microbial Agents

Name	Administered to Animals in Vivo
Reovirus	No

Room Numbers

Room No.	Description

BSL 2: NEW PROTOCOLS

Room Numbers

R2.2346	Pharmacy
R1.1007	Healthcare Treatment/Examination
B1.4409A	Pharmacy
B1.4409B	Pharmacy

Biosafety Level : BSL2

Meeting Notes : In this Phase 2 clinical protocol, participants will be randomized to receive either FOLFIRI, a combination chemotherapy regime, plus bevacizumab with pelareorep or FOLFIRI plus bevacizumab alone. Pelareorep is a non-genetically-modified reovirus that replicates only in tumor cells, particularly in those with activated Ras signaling. Pelareorep has been administered intravenously to over 1200 patients with cancer as monotherapy or in combination with chemotherapy or immunotherapy, or both. When combined with standard of care, pelareorep does not significantly increase adverse events beyond those expected for the chemotherapy combination. Pelareorep will be made offsite and shipped to MD Anderson. IRB protocol is current.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	21	0	0	0

Investigator : Isabelle Bedrosian

Document No. : RM00001909-RN02

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

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
CD513B-1 (GFP tag and puro selection marker)	No
pcDNA™6.2-GW/miR vector	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Retrovirus	No	pBabe
Lentivirus	No	pGIPZ
Lentivirus	No	pinducer 22
Retrovirus	No	MSCV
Lentivirus	No	pLenti-C-GFP

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
E0771(mouse breast cancer)	Yes
MDA-MB-231	Yes
MDA-MB-436	Yes
HCC-70	Yes
Bone marrow derived dendritic cells	No
SUM 149	Yes
DC2.4 (Dendritic cells)	No
4T07(mouse breast cancer)	Yes
168FARN(mouse breast cancer)	Yes
Breast cancer MCF10.CA1D	No
Phoenix Eco, human kidney	No
4T1(mouse breast cancer)	Yes
Breast Pre neoplastic (MCF10.AT1)	No
67 NR (mouse breast cancer)	Yes
A293T	No
Breast DCIS cells (MCF10.DCIS)	Yes
Breast Cancer MCF10.CA1H	No

Microbial Agents

Name	Administered to Animals in Vivo
E.Coli (DH5alpha)	No

Room Numbers

Room No.	Description
T4.3842A	Tissue Culture Facility
SB.8208	Animal Facilities

Biosafety Level : BSL2

Meeting Notes : This project aims to identify and target miRNAs, their gene targets, novel chimeric RNAs, and downstream signaling pathways involved in the early stages of breast cancer development to inform potential prevention strategies. Using engineered breast cancer cell lines and mouse models, the investigators will evaluate how

controlled expression of tumor-suppressive miRNAs and related molecular targets influences breast tumor initiation and progression. Lentiviral and retroviral vectors will be used for cell manipulation. ACUF is current.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	21	0	0	0

Investigator : Joseph McCarty
Document No. : RM00000306-RN03
NIH Guidelines Category : III-D-4-b.
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pBLUE-II KS+/-	No
PEST	No
pGADT7	No
pcDNA1	No
p3x-FlagCMV7	No
pCMV-myc	No
pcDNA3.1	No
pCMV-Tag3B	No
pGBKT7	No
CAS	No
pRK5	No
pBluescript	No
pcDNA4	No
pGEX 6P-1	No
pCR-BLUNT-TOPO II	No
pX330	Yes
PB CAG GFP2aLuc	No
PBCAG-GFP	Yes
pGLAST-Cas9	Yes
pB-IRES-GFP	No
ATP	No
pET-3X	No

Viral Systems

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

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
HEK293T(human embryonic kidney cells)	No
brain astroglial prognitor cells	Yes
LN229 - human brain tumor GBM	Yes
COS kidney fibroblasts	No
NIH3T3 fibroblasts (from whole mouse embryo)	No
DF-1 fibroblasts (from whole chicken embryo)	Yes
GSC Brain tumor Cells	Yes
brain endothelial cells	Yes

BSL 2: NEW PROTOCOLS

Cell Lines

embryonic fibroblasts (from whole mouse embryo)	Yes
HUVEC(Human umbilical vein endothelial cells)	No
rat-1 fibroblasts (from whole rat embryo)	No
Brain Astrocytes	Yes
GBM brain tumor Cells	Yes
GL261 brain tumor	Yes
Phoenix ecotropic retroviral packaging kidney cell line	No

Microbial Agents

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

Room Numbers

Room No.	Description
S1.8465	Animal Facilities
S1.8469	Animal Facilities
S5.8202	Tissue Culture Facility
SB.8268	Animal Facilities

Biosafety Level : BSL2

Meeting Notes : This protocol aims to study how cell adhesion related signaling is fundamentally involved in the development of CNS tissue and organs and that alterations in this signaling can lead to various diseases including cancer. The protocol uses several virus systems some of which will be injected in animals. Various human and mouse cell lines will be used, some of which will be administered to animals. ACUF is current. IRB protocol included due to isolation and culture of primary stem-like GBM cells for in vitro and in vivo analysis of tumor cell growth and invasion, however, HRPP will need to re-review due to discrepancies in submitted protocol numbers.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	21	0	0	0

Investigator : Subrata Sen

Document No. : RM00000133-RN03

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

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	No	FUGW
Lentivirus	No	pHIV-Luciferase
Lentivirus	No	Edit-R iCas9

BSL 2: NEW PROTOCOLS

Viral Systems

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
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 DH5α	No
E.coli Stbl3	No

Room Numbers

Room No.	Description
LSP12.4105	Tissue Culture Facility
LSP12.4120	Tissue Culture Facility
SB.8241	Animal Facilities
S1.8239	Animal Facilities
SB.8468	Animal Quarters Service
SB.8208	Animal Facilities

Biosafety Level :	BSL2
Meeting Notes :	The goal of this research project to investigate the role of SH3D19 in promoting KRAS-driven tumor growth using CRISPR/Cas9 targeting SH3D19 cell lines implanted into SCID mice. Human PDAC cell lines and mouse iKras PDAC cell lines will be subcutaneously injected into SCID mice and monitored tumor growth between sgRNAs non-targeting control and targeting SH3D19 groups controlled by doxycycline-inducible CRISPR/Cas9 system. Agents include diverse viral and non-viral plasmids that will not be administered to animals. Implanted mice will be treated with doxycycline on day 0 post-tumor implantation to their endpoint for 20 mice per treatment. At the end point of the experiment, animals will be sacrificed by CO2 euthanasia and collected tumors will be processed for cellular and molecular studies. ACUF is current.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	21	0	0	0

Investigator :	Fateeha Furqan

BSL 2: NEW PROTOCOLS

Document No. : RM00009130-RN00
NIH Guidelines Category : III-C-1.
Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentiviris	No	pLKO.1

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Tcells	No

Room Numbers

Room No.	Description
P14.2900	Diagnostic Support Laboratory Service
G15.3411	Care Team Station

Biosafety Level : BSL2
Meeting Notes : This clinical trial aims to determine the complete response rate of the acalabrutinib plus rituximab combination followed by CAR T therapy (in this case, BA, an anti CD19-CAR T) in newly diagnosed high risk MCL patients. Part of the study design includes acalabrutinib maintenance therapy for up to 24 months. The viral transductions and CAR T-cell generation will be done by the sponsor outside MD Anderson. Other agents in the study are an oral tyrosine kinase inhibitor and a monoclonal antibody. IRB approval memo needs to be uploaded to this IBC registration.

BSL 3: NEW PROTOCOLS

There are no new protocols to review for this meeting.

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

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	21	0	0	0

Investigator : George T Eisenhoffer Jr
Document No. : RM00000701-RN02_AM2
NIH Guidelines Category : III-D-4-a.
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
XKR9 circular mRNA	Yes
HEG1 (mutant) mRNA	Yes
SORBS1 circular mRNA	Yes
XKR9 (mutant) circular mRNA	Yes
SORBS1 (mutant) circular mRNA	Yes
ANKRD36C mRNA	Yes
HTT mRNA	Yes
ZAN circular mRNA	Yes
GFP-3X FLAG circular mRNA optimized	Yes
HTT (mutant) mRNA	Yes
ANKRD36C (mutant) mRNA	Yes
ZAN (mutant) circular mRNA	Yes
mCherry optimized	Yes
NAV2 mRNA	Yes
NIF3L1 mRNA	Yes
CASS4 circular mRNA	Yes
THADA circular mRNA	Yes
CASS4 (mutant) circular mRNA	Yes
NIF3L1 (mutant) mRNA	Yes
NAV2 (mutant) mRNA	Yes
THADA (mutant) circular mRNA	Yes
HEG1 circular mRNA	Yes
PKD1L1 mRNA	Yes
RHPN1 mRNA	Yes
HEG1 (mutant) circular mRNA	Yes
GRHL2 circular mRNA	Yes
HTT circular mRNA	Yes
PKD1L1 (mutant) mRNA	Yes
GRHL2 (mutant) circular mRNA	Yes

Non Viral Systems	
RHPN1 (mutant) mRNA	Yes
THADA mRNA	Yes
HTT (mutant) circular mRNA	Yes
PODN mRNA	Yes
PKDCC circular mRNA	Yes
RIMBP2 mRNA	Yes
THADA (mutant) mRNA	Yes
NIF3L1 circular mRNA	Yes
PODN (mutant) mRNA	Yes
PKDCC (mutant) circular mRNA	Yes
RIMBP2 (mutant) mRNA	Yes
NIF3L1 (mutant) circular mRNA	Yes
ACHE circular mRNA	Yes
PSD3 mRNA	Yes
GRHL2 mRNA	Yes
PKD1L1 circular mRNA	Yes
SORBS1 mRNA	Yes
ACHE (mutant) circular mRNA	Yes
PSD3 (mutant) mRNA	Yes
GRHL2 (mutant) mRNA	Yes
MMP13a gRNA	Yes
CreLite	Yes
TP63:CreERT2	Yes
Cxcl8b gRNA	Yes
Krt4:CreERT2	Yes
MIF gRNA	Yes
Epgn gRNA	Yes
Crispld2 gRNA	Yes
MMP2 gRNA	Yes
PhyB-CreC	Yes
IRG1l gRNA	Yes
Cas9	Yes
Fos gRNA	Yes
Casp8 gRNA	Yes
Wnt8a gRNA	Yes
PSR gRNA	Yes
Tyrosinase gRNA	Yes
CD74a gRNA	Yes
PIF6-CreN	Yes
Il1b gRNA	Yes
RasBow	Yes
SKI gRNA	Yes
Tol2 transposase	Yes
iFABP2:GAL4	Yes
CD74b gRNA	Yes
UAS:EGFP-KRAS	Yes
SIP2R gRNA	Yes
PKD1L1 (mutant) circular mRNA	Yes
ANKRD36C circular mRNA	Yes
XKR9 mRNA	Yes
SORBS1 (mutant) mRNA	Yes
PKDCC mRNA	Yes
ANKRD36C (mutant) circular mRNA	Yes
XKR9 (mutant) mRNA	Yes
NAV2 circular mRNA	Yes
PKD1L1 circular mRNA	Yes
ZAN mRNA	Yes
PKD1L1 (mutant) circular mRNA	Yes
ZAN (mutant) mRNA	Yes
NAV2 (mutant) circular mRNA	Yes
PODN circular mRNA	Yes
RHPN1 circular mRNA	Yes
PKDCC (mutant) mRNA	Yes

Non Viral Systems

CASS4 mRNA	Yes
PODN (mutant) circular mRNA	Yes
RHPN1 (mutant) circular mRNA	Yes
CASS4 (mutant) mRNA	Yes
ACHE mRNA	Yes
PSD3 circular mRNA	Yes
RIMBP2 circular mRNA	Yes
HEG1 mRNA	Yes
PSD3 (mutant) circular mRNA	Yes
RIMBP2 (mutant) circular mRNA	Yes
ACHE (mutant) mRNA	Yes
eGFP-3XFLAG circular mRNAs	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E. coli - DH5 alpha	No
E. coli - DH10B	No

Biosafety Level : BSL1

Meeting Notes : The amendment added various mRNA and circular mRNA that will be used with non-viral vectors and Zebrafish.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	21	0	0	0

Investigator : Georgios Karras

Document No. : RM00003059-RN01_AM16

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

Agents :

Non Viral Systems

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

Viral Systems

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

Viral Systems

lentivirus	No	miR-E, shRNA
adeno-associated virus	Yes	AAV3b, AAV4, AAV5, AAV6, AAV7, AAV8, AAV9, AAVrh8, AAVrh10, and AAVrh74

Cell Lines

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

Microbial Agents

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

Biosafety Level :	BSL2
Meeting Notes :	Added viral system, diverse AAV backbones, for in vivo administration. An amendment is under IACUC review adding the viral work as described.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	21	0	0	0

Investigator :	Wendy Woodward
Document No. :	RM00000672-RN02_AM2
NIH Guidelines Category :	III-D-1-a.
Agents :	

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pcDNA3	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones

Viral Systems

Lentivirus	No	GZIP, pLentiC-mGFP-P2A-puro
pLentiCRISPRv2	No	pLentiCRISPRv2
lentivirus	No	CMV, PLOC, LeGO, miRzip

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
human embryonic Kidney	No
Neural cells	Yes
breast cancer cell lines	Yes
Mesenchymal stem cells	Yes
Macrophages	Yes
Malignant pleural effusion breast cancer cells and mesenchymal stem cells	Yes

Biosafety Level : BSL2

Meeting Notes : They added a lentiviral system that will be administered to cells lines.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	21	0	0	0

Investigator : Xiangsheng Zuo

Document No. : RM00004560-RN01_AM1

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

Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lenti-GF1-CMV-VSVG	No	Lenti-GF1-CMV-VSVG
Lentivirus	No	a pLVX-TetOne-Puro vector
lentivirus	No	pGFP-C-shLenti, One Shot® TOP10 Chemically Competent E. coli can be used for propagating the plasmids if needed.

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
CT26 mouse colonic cancer cell line	No
HCT116 colon cancer cell line	No
NCI-N87 and AGS human gastric cancer line	No
cultured NET tumor cells	Yes
LoVo human colonic cancer cell line	No

Microbial Agents

Name	Administered to Animals in Vivo
helicobacter felis from ATCC	Yes

Biosafety Level : BSL2

Meeting Notes : Updated IACUC protocol number due to renewal.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	21	0	0	0

Investigator : Sean M. Post

Document No. : RM00002230-RN01_AM1

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

Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
retrovirus	No	MSCV backbone (Clontech)

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Murine Fetal Liver Cells	Yes
293T	No

Biosafety Level : BSL2

Meeting Notes : Updated IACUC protocol number due to renewal, among other corrections in response to contingencies.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	21	0	0	0

Investigator : Zhen Fan

Document No. : RM00000145-RN02_AM6

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	pLV
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
Engineered human T cells (including CAR T and antigen-exposed T cells)	Yes
Engineered mouse T cells (including CAR T and antigen-exposed T cells)	Yes
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
Engineered human macrophages (including CAR M cells)	Yes
Engineered mouse macrophages (including CAR M cells)	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 (HN5, 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

Meeting Notes : They added lentiviral construct, CAR T cells, CAR macrophages, and updated research facilities, in part due to a new direction in their research, the exploration of strategies to improve the therapeutic potential of CAR T cells for treating solid tumors. H1N1 virus will be administered to animals in vivo, and thus staff are encouraged to receive the influenza vaccine.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	21	0	0	0

Investigator : Florencia McAllister

Document No. : RM00004406-RN01_AM3

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

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
CRISPR-Cas9	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pINDUCER20
Lentivirus	No	pRSI16

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo

Cell Lines

SL4	Yes
KPC - mStrawberry - Atg4B(C74A)	Yes
M38 colon cancer cells	Yes
Pancreatic cancer cell KPC-GFP	Yes
KPC pancreatic cancer cells	Yes
Pancreatic cancer cell BCP4P-V KPC	Yes
Pancreatic Cancer Cells BCP4P KPC-RFP+	Yes
CT26	Yes

Microbial Agents

Name	Administered to Animals in Vivo
pasteurella anatis	Yes
bacteroides fragilis	Yes
Fecal Microbial Transplant (mouse)	Yes
Saccharopolyspora Rectivirgula	Yes
Bacillus Clausii (DSM 8716)	Yes
Edwardsiella tarda	Yes
Citrobacter braakii	Yes
Citrobacter freundii	Yes
Streptococcus sanguinis	Yes
E. coli GFP	Yes
Human Fecal Microbial Transplant	Yes
Streptococcus agalactiae	Yes
e.coli k-12	Yes
Klebsiella oxytoca	Yes
Salmonella typhimurium	Yes
Citrobakter rodentium	Yes
Pseudoxanthomonas spp	Yes
Klebsiella pneumonia	Yes
Streptomyces spp	Yes
Prevotella intermedia	Yes
Enterocloster clostridioformis	Yes
fusobacterium nucleatum	Yes
Saccharopolyspora Rectivirgula culture media	Yes
Colinsella	Yes
aggregatibacter actinomycetemcomitans	Yes
lactobacillus ruminis	Yes
helicobacter- H.pylori	Yes
porphyromona gingivalis	Yes
Bacillus Clausii (DSM 8716) culture media	Yes
enterococcus canintestini	Yes

Biosafety Level :	BSL2
Meeting Notes :	Amendment adds a new mouse transgenic pancreatic cancer cell line (KPC-mCStrawberryATG4B^C74A) to their microbial transplant studies along with severa bacteria species. Bacteria are administered directly to mice.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	21	0	0	0

Investigator :	Jianjun Zhang
Document No. :	RM00008008-RN00_AM4
NIH Guidelines Category :	III-D-4-b.
Agents :	

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
Non-coding mRNA-LNP	Yes
SARS-CoV-2 Spike mRNA-LNP	Yes
Tumor-associated Antigen mRNA-LNP	Yes

Viral Systems

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

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo

Cell Lines

Human lung cancer cell lines A427, H2030, H23, HCC44	Yes
Mouse lung cancer cell lines, including 344SQ, LKR10, M527, M906, 393P, 393LN, 344P, 12355P, 12355Rc, GEMM_KL_G12C, KLN205, KLR13_KL_Cre, KLR13_KL_G12C	Yes

Microbial Agents

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

Biosafety Level : BSL2

Meeting Notes : They added mRNAs for in vivo delivery via lipid nanoparticles, including SARS-CoV-2 mRNA vaccine and tumor-associated antigen mRNAs. The protocol includes administration of viral vectors to animals in vivo. An amendment is under IACUC review adding the non-viral work.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	21	0	0	0

Investigator : Ecaterina Ileana Dumbrava

Document No. : RM00007296-RN00_AM4

NIH Guidelines Category : III-C-1.

Agents :

Non Viral Systems

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

Cell Lines

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

Biosafety Level : BSL2

Meeting Notes : This amendment to the Phase I clinical trial of [redacted], an experimental [redacted] adds patients with hematologic malignancies, in addition to those with solid tumors. IRB approval memo needs to be uploaded to the registration.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	21	0	0	0

Investigator : Humam N Kadara

Document No. : RM00003782-RN01_AM14

NIH Guidelines Category : NA

Agents :

Cell Lines

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

Microbial Agents

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

Biosafety Level : BSL2

Meeting Notes : Updated IACUC protocol number due to renewal.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse

Approved With Contingencies	21	0	0	0

Investigator : Samuel Mok
Document No. : RM00000117-RN02_AM6
NIH Guidelines Category : III-D-4-b.
Agents :

Non Viral Systems

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

Microbial Agents

Name	Administered to Animals in Vivo
[redacted]	No

Biosafety Level : BSL2
Meeting Notes : [redacted] were added to the study, and the associated IACUC protocol was linked to the registration.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	21	0	0	0

Investigator : Elizabeth Shpall
Document No. : RM00000328-RN02_AM16
NIH Guidelines Category : III-D-4-b.
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
gRNA-NR3C1(Glucocorticoid Receptor)	No
gRNA-ITGAV	No
gRNA-CD96	No
gRNA-CD80	No
gRNA-TIGIT	No
gRNA-TGFBR2	No
gRNA-IL21R	No
gRNA-CREM	No
gRNA-SHIP1	No
gRNA-ICAM1	No
gRNA-PD1	No
gRNA-Adenosine Receptor 2A	No
gRNA-CD86	No
gRNA-pS6	No
gRNA-SIRPa	No

Non Viral Systems

gRNA-TIM3	No
gRNA-ITGB3	No
gRNA-CD7	No
gRNA-PDL-2	No
gRNA-CISH	No
gRNA-LAG3	No
gRNA-CD5	No
gRNA-4EBP1	No
gRNA-NKG2A	No
gRNA-IL10R	No
gRNA-PDL-1	No
gRNA-CD47	No
gRNA-ADAM17	No
gRNA-CD70	No
gRNA-FOXO1	No
gRNA-CD95	No
gRNA-CD40	No
gRNA-IL21R	No
gRNA-Siglec 7	No
gRNA-CD25	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Retrovirus	No	gamma retroviral (MMLV) pSFG-CARCS1-CD28-z
retrovirus	No	pSFG/E4ORF-1
retrovirus	No	pSFG/SOD2
Retrovirus	No	gamma retroviral (MMLV) pSFG-CARCD38-CD28-z
Retrovirus	No	gamma retroviral (MMLV), pSFG-iCaspase9.2A.CAR19-CD28-z.2A.IL15
retrovirus	No	pSFG
Retrovirus	No	gamma retroviral (MMLV), pSFG-CARCS1-CD28-z.2A.IL15
Retrovirus	No	gamma retroviral (MMLV) pSFG-CARbcma-CD28-z
Retrovirus	No	gamma retroviral (MMLV), pSFG-CARCD70-CD28-z.2A.IL15
Retrovirus	No	gamma retroviral (MMLV) ProCAR
Retrovirus	No	gamma retroviral (MMLV), pSFG-CARCD123-CD28-z.2A.IL15
Lentivirus	No	pPACKH1 Lentiviral system
Retrovirus pMSCV-U6gRNA-PGKpuroBFP [FP00026731]	No	pMSCV
Herpes virus	Yes	oHSV1 M201
Herpes Virus	Yes	oHSV1 M032
adeno virus	Yes	adeno viral vector Delta-24-RGD
Retrovirus	No	gamma retroviral (MMLV), pSGF-iCaspase9.2A.dNGFR.2A.IL15

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
RPMI 2650 [Head and neck squamous cell carcinoma cell line]	No
UPC-I-090 [Head and neck squamous cell carcinoma cell line]	No
T cell	Yes
TROP2+PDX-luc	Yes
D562 [Head and neck squamous cell carcinoma cell line]	No
OQ01 [Head and neck squamous cell carcinoma cell line]	Yes
FaDu [Head and neck squamous cell carcinoma cell line]	Yes
PG13 packging cell line	No
SCC25 [Head and neck squamous cell carcinoma cell line]	No
SKOV3 ovarian adenocarcinoma.	Yes
human acute lymphocytic leukemia REH WT	Yes
CAL127 [Head and neck squamous cell carcinoma cell line]	Yes
SCC47 [Head and neck squamous cell carcinoma cell line]	No
OVCAR5 ovarian adenocarcinoma.	Yes
K562 (CML tumor cell)	Yes
OVCAR8 ovarian adenocarcinoma.	Yes
B cell	Yes

Cell Lines

293 T	No
hematopoietic stem cell (HSC)	Yes
human B cell lymphoma JM1	Yes
human lung carcinoma A549	Yes
natural killer cell	Yes
mesenchymal stem cell (MSC)	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E Coli strain DH5alpha	No

Biosafety Level : BSL2

Meeting Notes : Retroviral vector was added for in vitro using with genes. IACUC protocol was updated accordingly.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	21	0	0	0

Investigator : Sadhan Majumder

Document No. : RM00001132-RN02_AM1

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

Agents :

Non Viral Systems

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

Viral Systems

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

Cell Lines

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

Microbial Agents

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

Biosafety Level : BSL2

Meeting Notes : This amendment updated IACUC protocol number.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	21	0	0	0

Investigator : Luhua Wang

Document No. : RM00005459-RN00_AM17

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

Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones

Viral Systems

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

Cell Lines

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

Microbial Agents

Name	Administered to Animals in Vivo
[redacted]	No

Biosafety Level : BSL2

Meeting Notes : The amendment adds a new [redacted] to express the [redacted] gene in lymphoma cell lines.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	21	0	0	0

Investigator : Katy Rezvani

Document No. : RM00002650-RN01_AM19

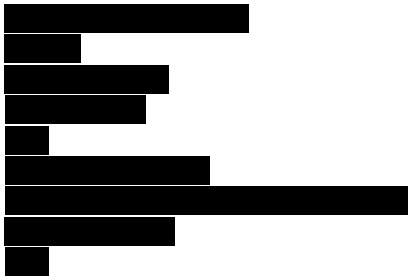
NIH Guidelines Category : III-D-1-a.

Agents :

Non Viral Systems

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

Non Viral Systems



No
No
No
No
No
No
No
No
No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
	No	
	No	
	No	

Cell Lines

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

Microbial Agents

Name	Administered to Animals in Vivo
[redacted]	No

Biosafety Level : BSL2

Meeting Notes : The amendment adds the [redacted] related to the CRISPR knockout library that will be used for in vitro studies.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	21	0	0	0

Investigator : Palaniraja Thandapani

Document No. : RM00006351-RN00_AM7

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

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pcDNA3	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	LRG2.1 (Addgene Plasmid #108098)
Lentivirus	No	plVX, lentiCRISPRv1, lentiCRISPRv2, pFUGW, pInducer 20
retrovirus	No	pMIG, pMSCV, pBABE, LMP, TRMPV
Lentivirus	No	lentiCas9-Blast (Addgene Plasmid #52962)
Lentivirus	No	pInduder 21; LRG, pLKO

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Helper cell line PlatE (Platinum-E)	No
Helper cell lines 293T	No
T-ALL PDX	Yes
Acute myeloid leukemia	No
T cell acute lymphoblastic Leukemia	No
T cell lymphoma	No

Cell Lines

Hematopoietic precursor (HPC-7)	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E.coli Stbl3	No
E.coli BL21(DE3)	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	21	0	0	0

Investigator : Florencia McAllister

Document No. : RM00002365-RN01_AM5

NIH Guidelines Category : NA

Agents :

Microbial Agents

Name	Administered to Animals in Vivo
Lactobacillus murinus	Yes
Lactobacillus johnsonii	Yes
Kluyveromyces marxianus	Yes
Aggregatibacter actinomycetemcomitans	Yes
Komogataella pastoris	Yes
Porphyromonas gingivalis	Yes
Saccharomyces cerevisiae	Yes
Lactobacillus vaginalis	Yes

Biosafety Level : BSL2

Meeting Notes : In the amendment they added a new strain of bacteria for administration to animals in vivo.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	21	0	0	0

Investigator : Jlenia Guarnerio

Document No. : RM00007718-RN00_AM2

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

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
piggyBac	No
circRNA	Yes

Viral Systems

Virus System	Virus Administered to Animals	Backbones
lentivirus	No	pLVX, pLKO, pLentiCRISPRv2
retrovirus	No	pCMMP

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
T cells	Yes
bone marrow derived macrophages - Tumor associated macrophages (TAM)	Yes
Giant cell tumor (GCT)	No
Leukemia (THP-1)	No
Fibrosarcoma (HT-1080)	No
kidney (293T)	No
Leiomyosarcoma (SK-LMS-1)	No
Colon adenocarcinoma (MC-38)	Yes
Sarcoma	Yes
Liposarcoma (SW-872)	No
Melanoma (B16-F1)	Yes
Uterine sarcoma (MES-SA)	No
Breast cancer (PY8119)	Yes
Endothelial (SVEC4-10)	No
Pancreatic cancer (KPCY 6422c1 and 6620c1)	Yes
Acute myelogenous leukemia (HG-1a)	No
Acute promyelocytic leukemia (HL-60)	No
Breast cancer (4T1)	Yes
Acute myeloblastic leukemia (Kasumi-1)	No

Cell Lines

Breast cancer (EMT6)	Yes
Liposarcoma (93T449)	No
Mouse breast cancer (EO771)	Yes

Biosafety Level : BSL2

Meeting Notes : Amendment adds in-vitro transcribed circular RNAs for administration to animals in vivo. This is an RG1 agent and the ACUF was modified to include the circRNA.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	21	0	0	0

Investigator : Jae-Il Park

Document No. : RM00008001-RN00_AM3

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

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
VSVG	No
Delta8.2	No
pMD2.G	No
psPAX2	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pLenti
Lentivirus	No	pLenti-CRISPR

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
293T cells	No
Murine gastric cancer cells (isolated from C57BL/6 mice)	Yes
Human gastric cancer cells	Yes
Human esophageal cells, including organoids	Yes
Murine esophageal epithelial cells (isolated from C57BL/6 mice)	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E.coli Stbl3/4	No

Biosafety Level : BSL2

Meeting Notes : New human esophageal cells, including organoids that were obtained from a collaborator at Columbia University have been added and will be administered to animals in vivo.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	21	0	0	0

Investigator : Wantong Yao

Document No. : RM00003651-RN01_AM6

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

Agents :

Non Viral Systems

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

Viral Systems

Virus System	Virus Administered to Animals	Backbones
AAV	Yes	AAVpCBh-FlpO-U6-sgRNA
adenovirus	Yes	ad-CMV
Lentivirus	No	Backbones: pMD2.G, pspax2, pLenti 4, pLenti 6.3; pLenti 7.3, pTripz, pGipz, pLKO, pLentiCMV, pLKO.1;pHAGE; pRS116, pFUGW based; pCDH; pLentiV2

Viral Systems

Retrovirus	No	pBABE; MSCV; pMKO.1, pHIT60, VSV.g, pSUPER, pCLAmpho
Lentivirus	Yes	pLenti 6

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
human lung cancer A549 cell line	Yes
human colon cancer HT29 cell line	Yes
sarcoma	Yes
Pancreatic cancer cell lines	Yes
293 T helper cells	No
Pancreatic cancer cell lines--PDX lines	Yes
sarcoma	Yes
human breast cancer cell line MDA-MB-231	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E. Coli [BL21, BL21star, BL-21 (A-1), HMS 174, Rosetta, and similar commercial strains]	No

Biosafety Level : BSL2

Meeting Notes : An adenoviral system was added to the protocol and will be injected into mice to achieve sgRNAmediated deletion of genes of interest.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	21	0	0	0

Investigator : Frederick F Lang Jr

Document No. : RM00002732-RN01_AM17

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

Agents :

Non Viral Systems

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

Viral Systems

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

Cell Lines

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

Microbial Agents

Name	Administered to Animals in Vivo
[redacted]	No

Biosafety Level : BSL2

Meeting Notes : Diverse agents were added to the protocol, including additional [redacted] and [redacted] from commercial source. The experimental plan was updated to include their new study of stress effects on glioma growth. Personnel for emergency contact was updated.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	21	0	0	0

Investigator : Xiling Shen

Document No. : RM00007541-RN00_AM17

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

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	pKLV
Lentivirus	No	pLVX
AAV8	Yes	pAAV-CAG-GFP, packaged as AAV8, pAAV2/8 — AAV packaging (Rep2/Cap8) plasmid

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 : The amendment added the viral vector AAV8 for in vivo use.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	21	0	0	0

Investigator : Junjie Chen

Document No. : RM00000599-RN02_AM11

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
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

Non Viral Systems

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
Lentivirus	No	pTRIP
Lentivirus	No	pInducer20
Lentivirus	No	pLenti6.2, pLenti6.3, pLentiV2
Lentivirus	No	pLenti
Lentivirus	No	mTKO
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
Lentivirus	No	pHAGE-TRE

Viral Systems

Lentivirus	No	pGreenFire1
Lentivirus	No	lentiCRISPRv2
Lentivirus	No	pGIPZ
Lentivirus	No	Cas9
Lentivirus	No	pRDA_550
Lentivirus	No	pCDH
Lentivirus	No	mIICD
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
Leukemia Cells (K562, REH)	No

Microbial Agents

Name	Administered to Animals in Vivo
E.coli Dh5 Alpha	No

Biosafety Level : BSL2

Meeting Notes : Added two human leukemia cell lines for in vitro studies, and updated IACUC protocol number due to renewal.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	21	0	0	0

Investigator : Humam N Kadara

Document No. : RM00003627-RN01_AM17

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

Agents :

Non Viral Systems

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

Viral Systems

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

Cell Lines

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

Microbial Agents

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

Biosafety Level : BSL2

Meeting Notes : Added two human leukemia cell lines for in vitro studies, and updated IACUC protocol number due to renewal. Influenza viruses are used to study lung injury in mice, and personnel should be educated abou the risks and encouraged to receive influenza vaccine.

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7. ADMINISTRATIVE MODIFICATIONS

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	21	0	0	0

Investigator : Sean M. Post
Document No. : RM00002230-RN01_AM2
NIH Guidelines Category :
Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
retrovirus	No	MSCV backbone (Clontech)

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Murine Fetal Liver Cells	Yes
293T	No

Biosafety Level : BSL2
Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	21	0	0	0

Investigator : Kristen Pauken
Document No. : RM00006570-RN00_AM28
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
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
lenti-X 293T	No
mouse melanoma (YUMM3.3)	Yes
mouse melanoma (D4M-UV2 Rpl18-MScarlet)	No
mouse melanoma (YUMM3.3 Rpl18-MScarlet)	No
mouse melanoma (B16-OVA-ZsGreen)	Yes
mouse melanoma (B16-OVA-ZsGreen-GP100-EGP medium peptide)	Yes
mouse melanoma (B16-OVA-ZsGreen-GP100-EGS weak peptide)	Yes
mouse melanoma (B16-OVA-ZsGreen-GP100-KGP strong peptide)	Yes
mouse melanoma (B16-OVA-ZsGreen-GP100-KVP human orthologue)	Yes
mouse melanoma (D4M-UV2)	Yes
mouse colon adenocarcinoma (MC38)	Yes
mouse melanoma (B16-OVA)	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E. coli Stbl3	No

Biosafety Level : BSL2
Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	21	0	0	0

Investigator : Juan Fueyo-Margareto
Document No. : RM00000224-RN02_AM11
NIH Guidelines Category :
Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Pseudo-lentivirus	No	pLKO
adenovirus	Yes	E1A deleted adenovirus (Ad5delE1a)
adenovirus	Yes	human adenovirus serum type 5, deletion of 24bp in E1A, chimeric fiber of serum type 5 and 35
adenovirus	Yes	Adenovirus serotype 5
adenovirus	Yes	Delta-24 backbone (mutation of 24bp in E1A)
adenovirus	Yes	human adenovirus serum type 5, deletion of 24bp in E1A, chimeric fiber of serum type 5 and 35

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Diffuse Intrinsic Pontine Glioma cells: TP54, DIPG 13, DIPG 36 and DIPG 48	No
gastric cancer cells	No
Diffuse Intrinsic Pontine Glioma (DIPG) Cell lines: DIPG 6	Yes
Prostate cancer	No
embryonic kidney cells 293T	No
Renal cancer	No
Renal cancer	No
murine glioma cells: GL261, CT-2A, GSCC05	Yes
melanoma cells	No
lung cancer cells	No
human glioma cells	Yes
breast cancer cell	No
sarcoma cells	No
Prostate cancer	No
Murine Diffuse Intrinsic Pontine Glioma (DIPG) Cell lines	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E. coli BJ5183	No
E. Coli DH10B	No

Biosafety Level : BSL2
Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	21	0	0	0

Investigator : Jason Schenkel
Document No. : RM00006304-RN00_AM9
NIH Guidelines Category :
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
FlpO-mScarlette-pRpl18-4x MirT	No
Cre-Mscarlette-pRpl18-P2A-Mo-TFR-Mut-pItgb1-4x MirT	No
FlpO-mScarlette-pRpl18-P2A-Mo-TFR-pItgb1-strep-II-4x MirT	No
Cre-Mscarlette-pRpl18-P2A-Mo-TFR-WT-pItgb1-4x MirT	No
Cre-Mscarlette-pRpl18-4x MirT	No
FlpO-mScarlette-pRpl18-4x MirT-Stk11	No
FlpO-mScarlette-pRpl18-4x MirT-Cdh1	No
FlpO-mScarlette-pRpl18-4x MirT-mir200c	No
Cre-Luciferase-Ova-SIY	No
Sec61b-V5-TurboID	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	Yes	psPax2, pMD2.G, Cre-Luciferase-Ova-SIY
Lentivirus	Yes	psPax2, pMD2.G, Cre-Mscarlette-pRpl18-P2A-Mo-TFR-Mut-pItgb1-4x MirT
Lentivirus	Yes	psPax2, pMD2.G, FlpO-mScarlette-pRpl18-4x MirT Sec61b-V5-TurboID
Lentivirus	Yes	psPax2, pMD2.G, FlpO-mScarlette-pRpl18-P2A-Mo-TFR-pItgb1-strep-II-4x MirT
Lentivirus	Yes	psPax2, pMD2.G, Cre-Mscarlette-pRpl18-4x MirT
Lentivirus	Yes	psPax2, pMD2.G, FlpO-mScarlette-pRpl18-4x MirT-Stk11
Lentivirus	Yes	psPax2, pMD2.G, FlpO-mScarlette-pRpl18-4x MirT-Cdh1
Lentivirus	Yes	psPax2, pMD2.G, FlpO-mScarlette-pRpl18-4x MirT-mir200c
Lentivirus	Yes	psPax2, pMD2.G, Cre-Mscarlette-pRpl18-P2A-Mo-TFR-WT-pItgb1-4x MirT
Lentivirus	Yes	psPax2, pMD2.G, FlpO-mScarlette-pRpl18-4x MirT

Cell Lines

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

Microbial Agents

Name	Administered to Animals in Vivo
E.coli Stbl3	No

Biosafety Level : BSL2
Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	21	0	0	0

Investigator : Niki M. Zacharias Millward
Document No. : RM00005694-RN00_AM11
NIH Guidelines Category :
Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pGIPZ
Lentivirius	No	psi-LVRH1GP

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Penile Cells	Yes
renal cell	Yes
patient derived renal cell	Yes

Biosafety Level : BSL2
Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	21	0	0	0

Investigator : Sean M. Post
Document No. : RM00000475-RN02_AM2
NIH Guidelines Category :
Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pCMV-VSV-G
Lentivirus	No	pCMV-dR8.2
Lentivirus	No	pLoc
Lentivirus	No	pCDH
Lentivirus	No	HuSH shRNA/pGFP-C-shLenti
lentivirus	No	TRE3G-ORF-P2A-eGFP-PGK-TET3G-BSD
lentivirus	No	piSMART
Adenovirus	No	Human Adenovirus Type5 (dE1/E3)

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
293T cells	No
Leukemia Cell lines	No
Mouse embryonic fibroblasts	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	21	0	0	0

Investigator : Nicholas Short
Document No. : RM00007931-RN00_AM3
NIH Guidelines Category :
Agents :

Viral Systems

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

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
PG13 packaging cell line	No
Human Embryonic Kidney (HEK) Cell Line	No
Myeloid Cell Line (UAPC)	No
Natural Killer (NK) Cell	No

Biosafety Level : BSL2
Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	21	0	0	0

Investigator : Dipen Maheshbhai Maru
Document No. : RM00000583-RN02_AM1
NIH Guidelines Category :
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pCMV-SPORT6-MCL1	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
lentivirus	No	pCDH-VMV-MCS-EF1puro, pLKO-1puro, psPAX2, pMD2G,

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
SNU-16 (gastric carcinoma cell line)	Yes
KATO-III (gastric carcinoma cell line)	Yes
KKLS-OXR (gastric carcinoma cells- resistant to oxaliplatin)	Yes
SNU-1 (gastric carcinoma cell line)	Yes
NCI-N87 (gastric carcinoma cell line)	Yes
Upper GI cells	Yes
SKGT4 (esophageal carcinoma cell line)	Yes
ESO26 (Gastroesophageal cancer cell line)	Yes
Flo-1 (esophageal adenocarcinoma cell line)	Yes
AGS (gastric adenocarcinoma cell line)	Yes
KKLS (gastric carcinoma cell line)	Yes
OE19 (esophageal adenocarcinoma cell line)	Yes
IM95/CMV-luc (Stomach Adenocarcinoma/Luciferase Reporter Cell Line)	Yes
SKGT2 (gastric-esophageal adenocarcinomas cell line)	Yes
293FT cells (human embryonal kidney cells transformed with the SV40 large T antigen)	No
SNU-5 (gastric carcinoma cell line)	Yes
OE33 (esophageal adenocarcinoma cell line)	Yes

Cell Lines

gastric adenocarcinoma cell lines	Yes

Microbial Agents

Name	Administered to Animals in Vivo
One Shot TOP10 Chemically Competent E. coli	No

Biosafety Level : BSL2

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	21	0	0	0

Investigator : Scott Evans

Document No. : RM00000495-RN03_AM2

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
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
Pneumocysis 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	21	0	0	0

Investigator : Peter Grace

Document No. : RM00003601-RN01_AM18

NIH Guidelines Category :

Agents :

Non Viral Systems

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

Viral Systems

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

Viral Systems

adeno associated virus	Yes	AAV

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
HuTu 80 epithelial cells from small intestine	No
Human small intestine epithelial cells	No
NRF2/ARE Luciferase Reporter human embryonic kidney -HEK293	No
50B11 (DRG-derived cell line)	No
Rat cortical astrocytes	Yes
Caco-2 epithelial cells from colon tissue	No

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	21	0	0	0

Investigator : Katy Rezvani

Document No. : RM00002650-RN01_AM18

NIH Guidelines Category :

Agents :

Non Viral Systems

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

Non Viral Systems

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

Viral Systems

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

Cell Lines

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

Microbial Agents

Name	Administered to Animals in Vivo
[redacted]	No

Biosafety Level : BSL2

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	21	0	0	0

Investigator : Kristen Pauken

Document No. : RM00006570-RN00_AM29

NIH Guidelines Category :

Agents :

Non Viral Systems

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

Viral Systems

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

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
mouse melanoma (YUMM3.3-ZsGreen-GP100-KVP human orthologue)	Yes
mouse melanoma (YUMM3.3-ZsGreen-GP100-KGP strong peptide)	Yes
mouse melanoma (YUMM3.3-ZsGreen-GP100-EGS weak peptide)	Yes
mouse melanoma (YUMM3.3-ZsGreen-GP100-EGP medium peptide)	Yes
mouse melanoma (YUMM1.7)	Yes
mouse melanoma (YUMM1.7-ZsGreen-GP100-EGP medium peptide)	Yes
mouse melanoma (YUMM1.7-ZsGreen-GP100-EGS weak peptide)	Yes
mouse melanoma (YUMM1.7-ZsGreen-GP100-KGP strong peptide)	Yes
mouse melanoma (YUMM1.7-ZsGreen-GP100-KVP human orthologue)	Yes
mouse melanoma (YUMM3.3-ZsGreen)	Yes
mouse melanoma (YUMM1.7-ZsGreen)	Yes
lenti-X 293T	No
mouse melanoma (YUMM3.3)	Yes
mouse melanoma (D4M-UV2 Rpl18-MScarlet)	No
mouse melanoma (YUMM3.3 Rpl18-MScarlet)	No
mouse melanoma (B16-OVA-ZsGreen)	Yes

Cell Lines

mouse melanoma (B16-OVA-ZsGreen-GP100-EGP medium peptide)	Yes
mouse melanoma (B16-OVA-ZsGreen-GP100-EGS weak peptide)	Yes
mouse melanoma (B16-OVA-ZsGreen-GP100-KGP strong peptide)	Yes
mouse melanoma (B16-OVA-ZsGreen-GP100-KVP human orthologue)	Yes
mouse melanoma (D4M-UV2)	Yes
mouse colon adenocarcinoma (MC38)	Yes
mouse melanoma (B16-OVA)	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E. coli Stbl3	No

Biosafety Level : BSL2

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	21	0	0	0

Investigator : Sadhan Majumder

Document No. : RM00001132-RN02_AM2

NIH Guidelines Category :

Agents :

Non Viral Systems

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

Viral Systems

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

Cell Lines

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

Microbial Agents

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

Biosafety Level : BSL2

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	21	0	0	0

Investigator : Kristen Pauken

Document No. : RM00006570-RN00_AM27

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host

Non Viral Systems

Cre-Mscarlet-pRpl18-4x MirT	No
pLC-ZsGreen-P2A-puro	No

Viral Systems

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

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
mouse melanoma (YUMM3.3-ZsGreen-GP100-KVP human orthologue)	Yes
mouse melanoma (YUMM3.3-ZsGreen-GP100-KGP strong peptide)	Yes
mouse melanoma (YUMM3.3-ZsGreen-GP100-EGS weak peptide)	Yes
mouse melanoma (YUMM3.3-ZsGreen-GP100-EGP medium peptide)	Yes
mouse melanoma (YUMM1.7)	Yes
mouse melanoma (YUMM1.7-ZsGreen-GP100-EGP medium peptide)	Yes
mouse melanoma (YUMM1.7-ZsGreen-GP100-EGS weak peptide)	Yes
mouse melanoma (YUMM1.7-ZsGreen-GP100-KGP strong peptide)	Yes
mouse melanoma (YUMM1.7-ZsGreen-GP100-KVP human orthologue)	Yes
mouse melanoma (YUMM3.3-ZsGreen)	Yes
mouse melanoma (YUMM1.7-ZsGreen)	Yes
lenti-X 293T	No
mouse melanoma (YUMM3.3)	Yes
mouse melanoma (D4M-UV2 Rpl18-MScarlet)	No
mouse melanoma (YUMM3.3 Rpl18-MScarlet)	No
mouse melanoma (B16-OVA-ZsGreen)	Yes
mouse melanoma (B16-OVA-ZsGreen-GP100-EGP medium peptide)	Yes
mouse melanoma (B16-OVA-ZsGreen-GP100-EGS weak peptide)	Yes
mouse melanoma (B16-OVA-ZsGreen-GP100-KGP strong peptide)	Yes
mouse melanoma (B16-OVA-ZsGreen-GP100-KVP human orthologue)	Yes
mouse melanoma (D4M-UV2)	Yes
mouse colon adenocarcinoma (MC38)	Yes
mouse melanoma (B16-OVA)	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E. coli Stbl3	No

Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	21	0	0	0

Investigator :	George T Eisenhoffer Jr
Document No. :	RM00000701-RN02_AM3
NIH Guidelines Category :	
Agents :	

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
MMP13a gRNA	Yes
CreLite	Yes
TP63:CreERT2	Yes
Cxcl8b gRNA	Yes
Krt4:CreERT2	Yes
MIF gRNA	Yes
Epgn gRNA	Yes
Crispld2 gRNA	Yes
MMP2 gRNA	Yes
PhyB-CreC	Yes

Non Viral Systems	
IRG1l gRNA	Yes
Cas9	Yes
Fos gRNA	Yes
Casp8 gRNA	Yes
Wnt8a gRNA	Yes
PSR gRNA	Yes
Tyrosinase gRNA	Yes
CD74a gRNA	Yes
PIF6-CreN	Yes
Il1b gRNA	Yes
RasBow	Yes
SKI gRNA	Yes
Tol2 transposase	Yes
iFABP2:GAL4	Yes
CD74b gRNA	Yes
UAS:EGFP-KRAS	Yes
SIP2R gRNA	Yes
XKR9 circular mRNA	Yes
HEG1 (mutant) mRNA	Yes
SORBS1 circular mRNA	Yes
XKR9 (mutant) circular mRNA	Yes
SORBS1 (mutant) circular mRNA	Yes
ANKRD36C mRNA	Yes
HTT mRNA	Yes
ZAN circular mRNA	Yes
GFP-3X FLAG circular mRNA optimized	Yes
HTT (mutant) mRNA	Yes
ANKRD36C (mutant) mRNA	Yes
ZAN (mutant) circular mRNA	Yes
mCherry optimized	Yes
NAV2 mRNA	Yes
NIF3L1 mRNA	Yes
CASS4 circular mRNA	Yes
THADA circular mRNA	Yes
CASS4 (mutant) circular mRNA	Yes
NIF3L1 (mutant) mRNA	Yes
NAV2 (mutant) mRNA	Yes
THADA (mutant) circular mRNA	Yes
HEG1 circular mRNA	Yes
PKD1L1 mRNA	Yes
RHPN1 mRNA	Yes
HEG1 (mutant) circular mRNA	Yes
GRHL2 circular mRNA	Yes
HTT circular mRNA	Yes
PKD1L1 (mutant) mRNA	Yes
GRHL2 (mutant) circular mRNA	Yes
RHPN1 (mutant) mRNA	Yes
THADA mRNA	Yes
HTT (mutant) circular mRNA	Yes
PODN mRNA	Yes
PKDCC circular mRNA	Yes
RIMBP2 mRNA	Yes
THADA (mutant) mRNA	Yes
NIF3L1 circular mRNA	Yes
PODN (mutant) mRNA	Yes
PKDCC (mutant) circular mRNA	Yes
RIMBP2 (mutant) mRNA	Yes
NIF3L1 (mutant) circular mRNA	Yes
ACHE circular mRNA	Yes
PSD3 mRNA	Yes
GRHL2 mRNA	Yes
PKD1L1 circular mRNA	Yes
SORBS1 mRNA	Yes

Non Viral Systems

ACHE (mutant) circular mRNA	Yes
PSD3 (mutant) mRNA	Yes
GRHL2 (mutant) mRNA	Yes
PKD1L1 (mutant) circular mRNA	Yes
ANKRD36C circular mRNA	Yes
XKR9 mRNA	Yes
SORBS1 (mutant) mRNA	Yes
PKDCC mRNA	Yes
ANKRD36C (mutant) circular mRNA	Yes
XKR9 (mutant) mRNA	Yes
NAV2 circular mRNA	Yes
PKD1L1 circular mRNA	Yes
ZAN mRNA	Yes
PKD1L1 (mutant) circular mRNA	Yes
ZAN (mutant) mRNA	Yes
NAV2 (mutant) circular mRNA	Yes
PODN circular mRNA	Yes
RHPN1 circular mRNA	Yes
PKDCC (mutant) mRNA	Yes
CASS4 mRNA	Yes
PODN (mutant) circular mRNA	Yes
RHPN1 (mutant) circular mRNA	Yes
CASS4 (mutant) mRNA	Yes
ACHE mRNA	Yes
PSD3 circular mRNA	Yes
RIMBP2 circular mRNA	Yes
HEG1 mRNA	Yes
PSD3 (mutant) circular mRNA	Yes
RIMBP2 (mutant) circular mRNA	Yes
ACHE (mutant) mRNA	Yes
eGFP-3XFLAG circular mRNAs	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E. coli - DH5 alpha	No
E. coli - DH10B	No

Biosafety Level : BSL1

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	21	0	0	0

Investigator : Kristen Pauken

Document No. : TA00006318-RN00_AM26

NIH Guidelines Category :

Agents :

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

Biosafety Level :

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	21	0	0	0

Investigator : Jeffrey N Myers

Document No. : RM00005756-RN00_AM4

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
p53 CRISPR/Cas9 KO	No
Flag-HA-pcDNA3.1	No
pcDNA3.1/V5-His-A	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones

Viral Systems

retrovirus	No	pbabe-puro, pCMV-VSV-G, pCMV-Gag-Pol
lentivirus	No	pLVTHM,pCMV-dR8.2 dvpr,pMD2.G,pMXs,Lenti-TRE3G-PGK-Tet3G-bsd, SMARTvector Inducible Non-targeting mCMV-TurboRFP,SMARTvector Inducible, PGIPz, pGIPZ-shRNA, pLVX-IRES-Hygro, sgRNA CRISPR/Cas9 All-in-One Lentivector

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Human head and neck cancer HN5 cells	Yes
Human oral keratinocyte hTERT HAK p53KO stable cells	No
Human kidney 293FT cells	No
Human head and neck cancer Detroit 562 cells	Yes
mouse breast cancer 4T1 cells	Yes
Human head and neck cancer PCI15B cells	Yes
Human head and neck cancer UM-SCC-1 cells	Yes
Mouse oral cancer MOC1 cells	Yes
Mouse oral cancer ROC1/2/3 cells	Yes
human head and neck cancer PCI13 cells	Yes
Human head and neck cancer MDA1586 cells	Yes
Human head and neck cancer HN5 cells	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E.coli	No

Biosafety Level : BSL2

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	21	0	0	0

Investigator : Jean Gautier

Document No. : RM00008256-RN00_AM9

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	21	0	0	0

Investigator : Daoyan Wei
Document No. : RM00002985-RN01_AM6
NIH Guidelines Category :
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pcDNA3.1	No
pEGFP	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pLVX-shRNA1
Lentivirus	No	Lenti-Cas9-2A-Blast
Adenovirus	No	pAdeasy
Lentivirus	No	pLVX

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
gastric cancer	Yes
liver cancer	Yes
pancreatic acinar cells	No
Pancreatic cancer	Yes
colon cancer	Yes
Colon Cancer	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	21	0	0	0

Investigator : Peter Grace
Document No. : RM00003601-RN01_AM19
NIH Guidelines Category :
Agents :

Non Viral Systems

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

Viral Systems

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

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
HuTu 80 epithelial cells from small intestine	No
Human small intestine epithelial cells	No
NRF2/ARE Luciferase Reporter human embryonic kidney -HEK293	No
50B11 (DRG-derived cell line)	No
Rat cortical astrocytes	Yes
Caco-2 epithelial cells from colon tissue	No

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	21	0	0	0

Investigator : Peter Grace
Document No. : RM00003601-RN01_AM20
NIH Guidelines Category :
Agents :

Non Viral Systems

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

Viral Systems

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

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
HuTu 80 epithelial cells from small intestine	No
Human small intestine epithelial cells	No
NRF2/ARE Luciferase Reporter human embryonic kidney -HEK293	No
50B11 (DRG-derived cell line)	No
Rat cortical astrocytes	Yes
Caco-2 epithelial cells from colon tissue	No

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	21	0	0	0

Investigator : Yuan Pan
Document No. : RM00005849-RN00_AM70
NIH Guidelines Category :
Agents :

Non Viral Systems

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

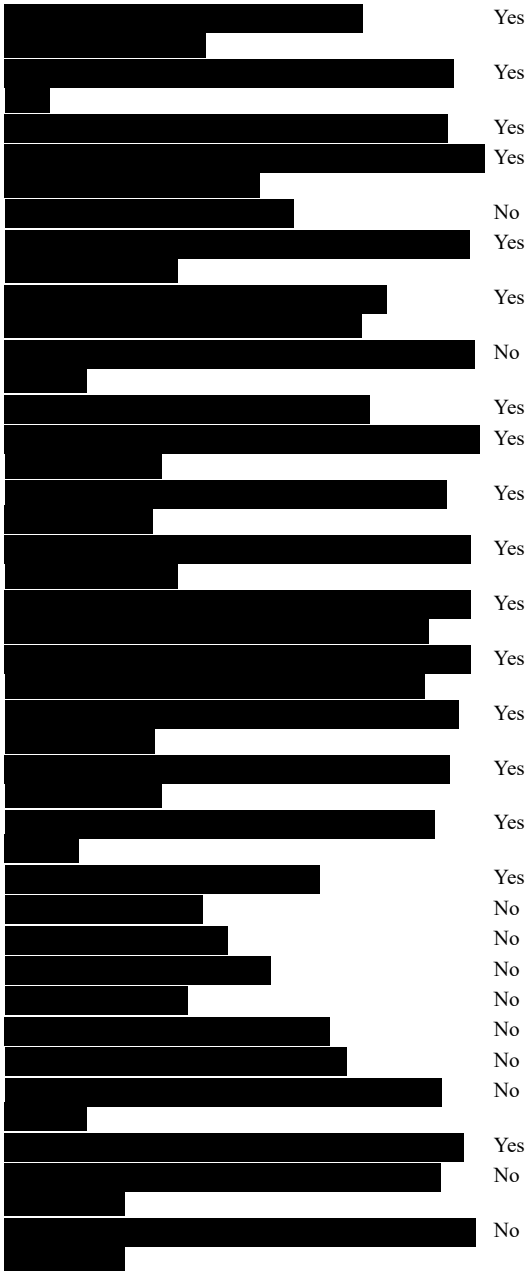
Viral Systems

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

Viral Systems



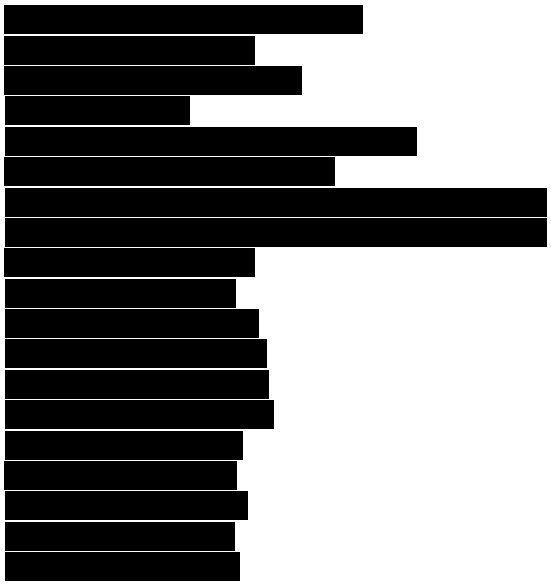
Viral Systems





Cell Lines

Cell Line



Cell Lines Administered to Animals in Vivo

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

Cell Lines

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

Microbial Agents

Name	Administered to Animals in Vivo
[redacted]	No

Biosafety Level : BSL2
Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	21	0	0	0

Investigator : Luhua Wang
Document No. : RM00005459-RN00_AM16
NIH Guidelines Category :
Agents :

Viral Systems

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

Cell Lines

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

Microbial Agents

Name	Administered to Animals in Vivo
[redacted]	No

Biosafety Level : BSL2
Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse

Approved	21	0	0	0

Investigator : Byron Lee
Document No. : RM00006715-RN00_AM4
NIH Guidelines Category :
Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
lentivirus: VSV-G envelope expressing plasmid	No	pMD2.G
lentivirus	No	pLKO.1-puro
lentivirus	No	pLenti-CMV-puro-Luc
lentivirus	No	pLVpuro-CMV-N-3xFLAG
lentivirus	No	pCDH-CMV
lentivirus: packaging plasmid	No	psPAX2
lentivirus	No	lentiCRISPRv2

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Phoenix-AMPHO (human embryonic kidney)	No
HEK293T (human embryonic kidney)	No
bladder cancer cell lines: RT4, SW780, SCaBER, 5637, RT112, T24, UM-UC1, UM-UC3, UM-UC4, UM-UC5, UM-UC6, UM-UC7, UM-UC9, UM-UC10, UM-UC11, UM-UC12, UM-UC13, UM-UC14, UM-UC16, UM-UC18	Yes
patient derived bladder cancer organoids	No
mouse bladder cancer cell lines: BBN963, MB49, UPPL1541, UPPL1591, UPPL1595	No

Biosafety Level : BSL2
Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	21	0	0	0

Investigator : Sarina Anne Piha-Paul
Document No. : RM00007615-RN00_AM1
NIH Guidelines Category :
Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Adenovirus	No	wildtype human Ad5 (hAd5)

Biosafety Level : BSL2
Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	21	0	0	0

Investigator : Sara Zanivan
Document No. : RM00008452-RN00_AM4
NIH Guidelines Category :
Agents :

Non Viral Systems

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

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pLV, Lenti-guide-blast, pLCV2,pSUPER-Retro-Puro
Lentivirus	No	pLKO.1

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
immortalized fibroblast	No
Phoenix	No
B5725	Yes
C0321	Yes
AT-3	Yes
EO771	Yes
MMTV-PyMT	Yes
Cancer Assosiated Fibroblasts	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	21	0	0	0

Investigator : Andrew Shepherd
Document No. : RM00003471-RN01_AM15
NIH Guidelines Category :
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
GSK3βS9A	No
peGFP-C1	No
pcDNA3.1	No
pmCherry	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Adeno-associated virus serotype 2	No	AAV2-FLEX-DTR-GFP
Adenovirus Ad5F35-CMV-GFP	Yes	Ad5F35-CMV-GFP
Adenovirus Ad5-CMV-eGFP	Yes	Ad5-CMV-eGFP
Lentivirus	No	pLV-CE
Adeno-associated virus serotype 9	Yes	pAAV9

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Human skin biopsy	No
Colorectal organoid	No
Induced pluripotent stem cell derived sensory neurons	No
Mouse Macrophage	Yes
Mouse Colon Cancer - CT26	Yes
Human Monocyte/Macrophage - U937	No
Human Monocyte/Macrophage - THP1	No
Human Prostate Cancer - 22Rv1	No
Human Sensory Neuron	No
Mouse Colon Cancer - MC38	Yes
Mouse Prostate Cancer B6CaP	No
Human Embryonic Kidney - HEK293	No
Mouse Macrophage - RAW 264.7	No

Microbial Agents

Name	Administered to Animals in Vivo
E.coli XL-1 Blue	No

Biosafety Level : BSL2
Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	21	0	0	0

Investigator : Elizabeth Shpall
Document No. : RM00000328-RN02_AM15
NIH Guidelines Category :
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
gRNA-IL21R	No
gRNA-CD80	No
gRNA-ITGB3	No
gRNA-PDL-2	No
gRNA-FOXO1	No
gRNA-CD86	No
gRNA-TIGIT	No
gRNA-CD47	No
gRNA-IL10R	No

Non Viral Systems

gRNA-CD5	No
gRNA-pS6	No
gRNA-CD7	No
gRNA-SIRPa	No
gRNA-ITGAV	No
gRNA-LAG3	No
gRNA-CD70	No
gRNA-CREM	No
gRNA-CD25	No
gRNA-ICAM1	No
gRNA-ADAM17	No
gRNA-CD96	No
gRNA-CD95	No
gRNA-TGFBR2	No
gRNA-4EBP1	No
gRNA-CD40	No
gRNA-PD1	No
gRNA-IL21R	No
gRNA-TIM3	No
gRNA-NR3C1(Glucocorticoid Receptor)	No
gRNA-PDL-1	No
gRNA-Adenosine Receptor 2A	No
gRNA-SHIP1	No
gRNA-CISH	No
gRNA-NKG2A	No
gRNA-Siglec 7	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Retrovirus	No	gamma retroviral (MMLV) pSFG-CARCD38-CD28-z
Retrovirus pMSCV-U6gRNA-PGKpuroBFP [FP00026731]	No	pMSCV
Retrovirus	No	gamma retroviral (MMLV), pSFG-iCaspase9.2A.CAR19-CD28-z.2A.IL15
Herpes virus	Yes	oHSV1 M201
Herpes Virus	Yes	oHSV1 M032
Retrovirus	No	gamma retroviral (MMLV) pSFG-CARCS1-CD28-z
Retrovirus	No	gamma retroviral (MMLV), pSFG-CARCD123-CD28-z.2A.IL15
Lentivirus	No	pPACKH1 Lentiviral system
retrovirus	No	pSFG/SOD2
adeno virus	Yes	adeno viral vector Delta-24-RGD
Retrovirus	No	gamma retroviral (MMLV) ProCAR
retrovirus	No	pSFG/E4ORF-1
Retrovirus	No	gamma retroviral (MMLV), pSFG-CARCD70-CD28-z.2A.IL15
Retrovirus	No	gamma retroviral (MMLV), pSFG-CARCS1-CD28-z.2A.IL15
Retrovirus	No	gamma retroviral (MMLV) pSFG-CARbcma-CD28-z
retrovirus	No	pSFG
Retrovirus	No	gamma retroviral (MMLV), pSGF-iCaspase9.2A.dNGFR.2A.IL15

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
PG13 packging cell line	No
B cell	Yes
CAL127 [Head and neck squamous cell carcinoma cell line]	Yes
mesenchymal stem cell (MSC)	Yes
human acute lymphocytic leukemia REH WT	Yes
natural killer cell	Yes
T cell	Yes
human lung carcinoma A549	Yes
UPC-I-090 [Head and neck squamous cell carcinoma cell line]	No
SKOV3 ovarian adenocarcinoma.	Yes
OVCAR5 ovarian adenocarcinoma.	Yes

Cell Lines

OVCAR8 ovarian adenocarcinoma.	Yes
SCC47 [Head and neck squamous cell carcinoma cell line]	No
TROP2+PDX-luc	Yes
hematopoietic stem cell (HSC)	Yes
human B cell lymphoma JM1	Yes
FaDu [Head and neck squamous cell carcinoma cell line]	Yes
RPMI 2650 [Head and neck squamous cell carcinoma cell line]	No
293 T	No
OQ01 [Head and neck squamous cell carcinoma cell line]	Yes
K562 (CML tumor cell)	Yes
D562 [Head and neck squamous cell carcinoma cell line]	No
SCC25 [Head and neck squamous cell carcinoma cell line]	No

Microbial Agents

Name	Administered to Animals in Vivo
E Coli strain DH5alpha	No

Biosafety Level : BSL2

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	21	0	0	0

Investigator : George A Calin

Document No. : TA00000725-RN02_AM7

NIH Guidelines Category :

Agents :

Species	ACUF#	Genes Inserted	Genes Deleted
Mouse	00000807-RN04	CCAT2	

Biosafety Level :

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	21	0	0	0

Investigator : Robert Dantzer

Document No. : RM00004261-RN01_AM4

NIH Guidelines Category :

Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
adeno associated virus (AAV-FLEX)	Yes	AAV-FLEX
adeno associated virus	Yes	pAAV

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
mouse lung metastatic head and neck cancer - MLM	Yes
Murine head and neck cancer cells (ROC1-3, MOC 2-7)	Yes
mouse head and neck cancer - shPTP1B	Yes
mouse lung cancer - LLC	Yes
mouse ovarian cancer - ID8	Yes
mouse head and neck cancer - mEER	Yes
Melanoma cell line - YUMMER1.7-H2B-GFP5	Yes
Melanoma cell line - YUMMER1.G1F	Yes
mouse ovarian cancer - IG10	Yes
Murine anaplastic thyroid cell lines	Yes

Biosafety Level : BSL2

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	21	0	0	0

Investigator : Kristen Pauken

Document No. : TA00006318-RN00_AM25

NIH Guidelines Category :

Agents :

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

Biosafety Level :

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	21	0	0	0

Investigator : Junjie Chen

Document No. : RM00000599-RN02_AM12

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
PMK290	No
pLX	No
pcDNA5	No
pRetro	No
pCMV, pCMV5	No
CRISPRv2	No
BACMID	No
pUC19	No
pDONOR221	No
pCDH	No
pLV	No
pCGP	No
pOG44	No
pU6	No
pInducer20	No
pANT7	No
pRDA174	No
pENTR223	No
Activation library-B_92380	No
pDEST633	No
pENTR	No
DEST795	No
pDONOR	No
pOTB7	No
plenti	No
plenti-6.2	No
pRDA550	No
BPK1520	No
pENTER223	No
pDONOR201	No
plenti-V2	No
pLKO5	No
pMAL	No
pENTER221	No
pCL	No
VSVG	No
pLVX	No
pBABE	No
TKOV3	No
DEST	No
pSPAX2	No
pDONOR-201	No
pET	No
pMD2G	No
pBluescript	No
pENTR221	No
pDonR221	No
HsCD00438007-WAPAL	No
HsCD00938170-RHNO1	No
pZATT	No

Non Viral Systems

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
pTRIP	No
pLenti6.3	No
PMK232	No
pBR322	No
pDONER	No
pDONR201	No
Activation library-A_92379	No
pTRIPZ	No
DEST795	No
pcDNA6B	No
pLX209	No
SFB-KIAA0157	No
dTAGV-1, dTAGV-1-NEG	No
503TK3	No
504TK3	No
506TK3	No
PX458	No
TV3	No
507TK3	No
701TK3	No
702TK3	No
PX459	No
703TK3	No
704TK3	No
705TK3	No
pDONR	No
706TK3	No
pENTER	No
707TK3	No
708TK3	No
PPAX2	No
501TK3	No
OuterFTK3	No
OuterRTK3	No
502TK3	No
p2/2	No
BWG pool	No
p201	No
pAdF6	No
pAAV	No
pCap6	No
pDONOR223	No
pLEX305	No
DDR	No
pFastbac1	No
PX330	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
Lentivirus	No	McspKO

Viral Systems

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
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	AAVS1
Lentivirus	No	pTRIP
Lentivirus	No	pCL
Lentivirus	No	pLVX
Lentivirus	No	pLKO5
Lentivirus	No	pLX
Lentivirus	No	pRDA174
Lentivirus	No	pRetro
Lentivirus	No	psPAX2
Lentivirus	No	pBABE
Lentivirus	No	pTRIPZ
Lentivirus	No	pLV
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
Leukemia Cells (K562, REH)	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

Cell Lines

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.

8. ANNUAL REVIEWS

21-yes; 0-no; 0-abstain; 0-recuse

Investigator :	Shulin Li
Document No. :	RM00000130-RN02_AR002
Investigator :	Florencia McAllister
Document No. :	RM00000874-RN02_AR001
Investigator :	Anisha Patel
Document No. :	RM00008366-RN00_AR001
Investigator :	Katy Rezvani
Document No. :	RM00008394-RN00_AR001
Investigator :	Nitin Jain
Document No. :	RM00006693-RN00_AR003
Investigator :	Dihua Yu
Document No. :	RM00000653-RN02_AR004
Investigator :	Luhua Wang
Document No. :	RM00008223-RN00_AR001
Investigator :	Shiaw-Yih Lin
Document No. :	RM00000658-RN02_AR002
Investigator :	Moran Amit
Document No. :	RM00006886-RN00_AR003
Investigator :	Salvador Alonso Martinez
Document No. :	RM00008261-RN00_AR001
Investigator :	Humam N Kadara
Document No. :	RM00008505-RN00_AR001
Investigator :	Pramod N Nehete
Document No. :	RM00003371-RN01_AR003
Investigator :	Min Gyu Lee
Document No. :	TA00006153-RN00_AR004
Investigator :	Christopher Alvarez-Breckenridge
Document No. :	RM00006080-RN00_AR004
Investigator :	Yago Nieto
Document No. :	RM00008472-RN00_AR001
Investigator :	Muzaffar H Qazilbash
Document No. :	RM00008498-RN00_AR001
Investigator :	Yiwen Chen
Document No. :	RM00003299-RN01_AR003
Investigator :	Preetesh Jain
Document No. :	RM00005792-RN00_AR004
Investigator :	Carolyn Hodo
Document No. :	RM00007705-RN00_AR002
Investigator :	May Daher
Document No. :	RM00006243-RN00_AR003
Investigator :	Steven Hsesheng Lin
Document No. :	RM00008451-RN00_AR001
Investigator :	Florencia McAllister
Document No. :	RM00002365-RN01_AR004

Investigator :	Vincent Bernard Pagan
Document No. :	RM00008371-RN00_AR001
Investigator :	Michael Green
Document No. :	RM00003273-RN01_AR003
Investigator :	Aria Vaishnavi
Document No. :	RM00006133-RN00_AR004
Investigator :	Lauren Averett Byers
Document No. :	RM00000193-RN02_AR002
Investigator :	Cassian Yee
Document No. :	RM00006108-RN00_AR004
Investigator :	Sue-Hwa Lin
Document No. :	RM00000493-RN02_AR004
Investigator :	Vivian Jiang
Document No. :	RM00004099-RN01_AR002
Investigator :	Neeta Somaiah
Document No. :	RM00007730-RN00_AR002
Investigator :	Ayushi Chauhan
Document No. :	RM00008238-RN00_AR001
Investigator :	Gregory Friedman
Document No. :	RM00008220-RN00_AR001
Investigator :	Jun-ichi Abe
Document No. :	TA00004000-RN01_AR002
Investigator :	Katharina Schlacher
Document No. :	RM00000109-RN02_AR002
Investigator :	Sarina Anne Piha-Paul
Document No. :	RM00007615-RN00_AR002

9. TERMINATIONS

21-yes; 0-no; 0-abstain; 0-recuse

Investigator :	Lauren Colbert
Document No. :	RM00005943-RN00
Investigator :	Naval Daver
Document No. :	RM00008234-RN00
Investigator :	Alexandra Ikeguchi
Document No. :	RM00007778-RN00
Investigator :	Jin Seon Im
Document No. :	RM00001757-RN01
Investigator :	Maria Morelli
Document No. :	RM00007004-RN00

10. OLD BUSINESS ITEMS

There are no such business items for this meeting.

11. NEW BUSINESS ITEMS

Item	Description	Presenter	Attachments
NIH Notice NOT-OD-26-112	NIH Releases Draft Biosafety Policy for Research Involving Biohazards for Public Comment	Brittany Kleb, M.S.; Assoc Dir, Institutional Compl, Institutional Compliance	Draft Policy Table of Changes.pdf , NOT-OD-26-112_ Request for Comment.pdf

12. DISCUSSION ITEMS

There are no such business items for this meeting.

13. INFORMATIONAL ITEMS

Update	Description
Community Member Attendance	Manu Banadakoppa and Arlisa Edwards-Benford were not in attendance.

14. ADJOURNMENT