

INSTITUTIONAL BIOSAFETY COMMITTEE MINUTES
Recombinant DNA(RM)
Meeting #279
Tuesday, August 11, 2026
Hybrid - In Person Location FCT3 1 and 8 - 1:00 PM

Members Present

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

Members Absent

Tora D Ogunmakin, Assoc Dir, Ambulatory Nursing
Dina H Ray, Research Nurse Manager
Guocan Wang, Associate Professor
Krithika Srinivasan, Assistant Professor
Humam N Kadara, Professor

Community Members Present

Others Present

Robert Plant, Safety Specialist
Allyson Wakefield, Program Manager
Madeline McAllister, Compliance Analyst
Cheryl Smith, Safety Specialist
Tekchheng Tam, Safety Specialist
Garlen F Yeager Jr, Principal Safety Specialist
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
Dana Blackburn, Compliance Analyst
Nastassia Harper, Safety Specialist

Others Absent

1. APPROVAL OF THE PAST MEETING MINUTES

Meeting	Votes-Yes	Votes-No	Votes-Abstain	Votes-Recuse
IBC Recombinant meeting on Tuesday, July 14, 2026	20	0	3	0

2. CONFLICT OF INTEREST RECUSAL

Attendee	Project	Comment
Niki M. Zacharias Millward	RM00005694-RN00_AM12	Dr. Millward is the PI of this non-administrative modification.
Humam N Kadara	RM00003627-RN01_AM16	Dr. Kadara is the PI of this 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:

There are no new protocols to review for this meeting.

BSL 2: NEW PROTOCOLS

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	23	0	0	0
Investigator :	Ahmed Kaseb			
Document No. :	RM00009036-RN00			
NIH Guidelines Category :	III-C-1.			
Agents :				
Non Viral Systems				
Technical Name	Is Whole Animal Used as Host			
GNOS-PV02	No			
Cell Lines				
Cell Line	Cell Lines Administered to Animals in Vivo			
Hepatocellular Carcinoma Tissue	No			
Normal Lymphocytes	No			
Microbial Agents				
Name	Administered to Animals in Vivo			
E.coli (NEB 5-alpha)	No			
Room Numbers				
Room No.	Description			
B1.4392A	Pharmacy			
B1.4392G	Pharmacy			
R2.2346	Pharmacy			

Backbones

BSL 2: NEW PROTOCOLS

Viral Systems

██████████

No

██████████

Room Numbers

Room No.

P14.3140

Biosafety Level :

Meeting Notes :

Description

Diagnostic Support Laboratory Service

BSL2

██████████ is a CAR T-cell therapy designed to be given to patients without the need for lymphodepletion. Additionally, as an “off-the-shelf” product, one manufacturing lot of ██████████ could treat many patients. In this study, the investigators aim to determine the safety and activity of ██████████ administered in combination with rapamycin in adult R/R B-cell malignancies. IRB approval is pending.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	23	0	0	0

Investigator :

Michael Andreeff

Document No. :

[RM00009084-RN00](#)

NIH Guidelines Category :

III-D-1-a.

Agents :

Viral Systems

Virus System

Lentivirus

Virus Administered to Animals

No

Backbones

pCCL lentiviral backbone

Cell Lines

Cell Line

Molm13 cells

human T cells

Cell Lines Administered to Animals in Vivo

Yes

Yes

Room Numbers

Room No.

T6.3846A

SB.8492

Biosafety Level :

Meeting Notes :

Description

Tissue Culture Facility

Animal Facilities

BSL2

This study aims to generate CAR-T cells for acute myeloid leukemia (AML) research using a third-generation, replication-incompetent lentiviral system. Primary human T cells will be activated, transduced with a synthetic CAR construct, and evaluated for transduction efficiency, phenotype, cytokine production, viability, and cytotoxicity against MOLM-13 AML cells. Selected CAR-T products will be tested in NSG mice with human AML xenografts to assess leukemia control, CAR-T persistence, and treatment effects. IACUC is current, and correct exempt IRB memo needs to be uploaded.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	23	0	0	0

Investigator :

Mohamed Gouda

Document No. :

[RM00009125-RN00](#)

This protocol is a first-in-human Phase 1/2a clinical trial evaluating CRG-150, an autologous CRISPR/Cas9 gene-edited Treg therapy, in patients with relapsed or refractory breast and prostate cancers. Patient T cells are collected by apheresis, genetically modified ex vivo to knock out NCOA3 (SRC-3), and administered as an intravenous infusion. The study is designed to assess safety, tolerability, optimal dose, cellular persistence, and preliminary antitumor activity, with long-term

BSL 2: NEW PROTOCOLS

follow-up of up to 15 years to monitor safety and clinical outcomes. The protocol is currently pending IRB approval.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	23	0	0	0
Investigator :	Oren Pasvolsky			
Document No. :	RM00009076-RN00			
NIH Guidelines Category :	III-C-1.			
Agents :				
Non Viral Systems				
Technical Name	Is Whole Animal Used as Host			
	No			
Cell Lines				
Cell Line	Cell Lines Administered to Animals in Vivo			
	No			
Room Numbers				
Room No.	Description			
R8.2400	Public Corridor			
P14.3140	Diagnostic Support Laboratory Service			
P14.2910	Diagnostic Service Laboratory			
G15.3433	Patient Bedroom			
Biosafety Level :	BSL2			
Meeting Notes :	This Phase I/II study aims to characterize the safety, tolerability, preliminary efficacy, and cellular kinetics of [REDACTED] as a monotherapy and in association with daratumumab and aldesleukin (a recombinant human IL-2) in participants with relapsed/refractory multiple myeloma (RRMM), thereby generating foundational data to inform subsequent clinical development. [REDACTED] is an off-the-shelf CAR-T cell manufactured in the sponsor's facility. IRB approval is pending.			

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	23	0	0	0
Investigator :	Huifang Lu			
Document No. :	RM00009078-RN00			
NIH Guidelines Category :	III-C-1.			
Agents :				
Viral Systems				
Virus System	Virus Administered to Animals		Backbones	
	No			
Cell Lines				
Cell Line	Cell Lines Administered to Animals in Vivo			
	No			
Room Numbers				
Room No.	Description			

BSL 2: NEW PROTOCOLS

Room Numbers

P14.2910

G18.3738

Biosafety Level :

Meeting Notes :

Diagnostic Service Laboratory

Other

BSL2

This is a Phase 1/2, open-label study designed to evaluate the safety, tolerability, and efficacy of [REDACTED] in adults with systemic sclerosis. Subjects will be followed for 156 weeks to evaluate quality of life. [REDACTED] consists of autologous T cells genetically modified ex vivo by transduction with a [REDACTED] to express an [REDACTED]. The [REDACTED] cell product will be manufactured and cryopreserved separately for each subject before being shipped to the study site for administration. IRB protocol is pending.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	23	0	0	0

Investigator :

Katy Rezvani

Document No. :

[RM00009072-RN00](#)

NIH Guidelines Category :

III-D-1-a.

Agents :

Viral Systems

Virus System

retrovirus pRD114

Virus Administered to Animals

No

Backbones

pUC19

retrovirus [gag-pol structural and integrase gene]

No

pEQ-PAM3-(e)

retroviral CD97CAR

No

pSFG CD97CAR

Cell Lines

Cell Line

Human Embryonic Kidney [HEK] cells

Cell Lines Administered to Animals in Vivo

No

T cell

Yes

Myeloid cell line (UAPC)

No

Natural Killer (NK) cell

Yes

Microbial Agents

Name

E. coli bacteria [strain BL21 DE3]

Administered to Animals in Vivo

No

Room Numbers

Room No.

Z5.2031A

Description

Tissue Culture Facility

Z5.2023

Tissue Culture Facility

Z5.2035

Tissue Culture Facility

Z5.2027

Chemical Fume Hood Room

Z5.2041

Cold Room/Walk-in

S1.8239

Animal Facilities

Z5.2034

Research/Non-Class Laboratory- Wet Lab

Z5.2025A

Research/Non-Class Laboratory

Z5.2040

Research/Non-Class Laboratory- Wet Lab

Z5.2042

Research/Non-Class Laboratory- Wet Lab

BSL 2: NEW PROTOCOLS**Room Numbers**

Z5.2031	Equipment Space (Research)
Z5.2038	Research/Non-Class Laboratory- Wet Lab
Z5.2036	Research/Non-Class Laboratory- Wet Lab
Z5.2043	Equipment Space (Research)
Z5.2024	Research/Non-Class Laboratory- Wet Lab
Z5.2032	Research/Non-Class Laboratory- Wet Lab
Z5.2026	Research/Non-Class Laboratory- Wet Lab
Z5.2037	Equipment Space (Research)
Z5.2037B	Flex Wet Lab
Z5.2031B	Tissue Culture Facility
Z5.2028	Research/Non-Class Laboratory- Wet Lab
Z5.2030	Research/Non-Class Laboratory- Wet Lab
Z5.2039	Chemical Fume Hood Room
Z5.2025C	Research/Non-Class Laboratory- Wet Lab
Z5.2025	Equipment Space (Research)
Z5.2029	Cold Room/Walk-in
Z5.2037C	LN2 Storage
Z5.2033	Tissue Culture Facility
2SCR4.3152	Tissue Culture Facility
SB.8240	Animal Facilities
Z5.2027	Chemical Fume Hood Room
Z5.2025B	Research/Non-Class Laboratory- Wet Lab
SB.8039	Institutional Core Laboratory

Biosafety Level :

BSL2

Meeting Notes :

In this project, the research group will employ retroviral transfer vectors to transduce genes of interest into NK cells, T cells, and established cell lines for genetic reprogramming. Immunophenotyping, cellular killing assays, mice transplantation by tail vein injection will be employed to characterize the genetically modified cells to test for therapeutic effects against tumors. ACUF and IRB protocols are current.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	23	0	0	0
Investigator :	Khaled Sanber			
Document No. :	RM00009073-RN00			
NIH Guidelines Category :	III-D-1-a.			
Agents :				
Non Viral Systems				
Technical Name	Is Whole Animal Used as Host			
AAVS1 T2 CRIPR in pX330	No			
pEYFP-Plk1(499)	No			
p3692 HPV-16 E1	No			
pcDNA3-cmyc	No			
AAVS1 SA-2A-puro-pA donor	No			

BSL 2: NEW PROTOCOLS

Non Viral Systems

pUC57	No
mCherry-H2A-10	No
pCAG-GFP	No
pBrain-GFP-FKBP-TACC3-shTACC3	No
pDONR223_FGFR3_WT	No
p3662 HPV-16 E2	No
pcDNA3.1	No
p3667 pCMV4-E2(16) E39A	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	PCDH-CMV-MCS-EF1-PURO
Lentivirus	No	pRRI
Lentivirus	No	pLVX-TetOne
retrovirus	No	SFG vector
Retrovirus	No	pMSGV3
Lentivirus	No	lentiCRISPR v2
Lentivirus	No	pLV-EF1a-IRES-Hygro
Lentivirus	No	pHAGE
Lentivirus	No	pLenti

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
T cells	Yes
Immortalized Human Tonsillar Epithelial Cells	No
human skin keratinocyte cell	No
cervical cancer	No
Immortalized mouse oropharyngeal epithelium Cells_mEE	Yes
cervical cancer	No
Mouse Embryonic Fibroblast NIH/3T3	Yes
Colon Adenocarcinoma	No
Bladder cancer	No
Immortalized Human Oral Keratinocyte Cells	Yes
Head and Neck squamous-cell carcinoma	Yes
Human embryonic kidney cells_293T	No
Breast Cancer	No
Immortalized mouse oropharyngeal epithelium Cells_mEER	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E.coli DH5a	No

Room Numbers

Room No.	Description
T8.3881	Ante Room
T8.3856E	Cold Room/Walk-in
SB.8268	Animal Facilities
T8.3851C	Tissue Culture Facility
T8.3859B	Flex Wet Lab

BSL 2: NEW PROTOCOLS

Room Numbers

T8.3881A

T8.3879

T8.3879A

Biosafety Level :

Meeting Notes :

Non_Class Lab Service

Research/Non-Class Laboratory- Wet Lab

Tissue Culture Facility

BSL2

The overall goal of this project is to identify HPV-specific T cells in the head and neck squamous cell carcinoma (HNSCC) tumor microenvironment (TME) and the tumor intrinsic and -extrinsic factors that restrict their cytotoxicity to modulate these factors and increase HPV-specific T-cell function in signal seeking clinical trials. Various human samples, including oral rinse and FFPE, will be processed for DNA, RNA, and cfDNA. DNA and RNA sequencing are performed on isolated DNA. Experimental assays in cell lines include modulation of gene expression of multiple targets of importance to HNSCC, using viral and non-viral vectors in vitro. Cell lines will be administered to animal in vivo. IACUC and IRB protocols are current.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	23	0	0	0

Investigator :

Johannes Francois Fahrmann

Document No. :

[RM00009039-RN00](#)

NIH Guidelines Category :

III-D-1-a.

Agents :

Non Viral Systems

Technical Name

pX330

Is Whole Animal Used as Host

No

Viral Systems

Virus System

lentivirus

Virus Administered to Animals

No

Backbones

FG12

lentivirus

No

TRIPZ

Cell Lines

Cell Line

393P lung cancer

HEK293T

344SQ mouse lung cancer

Cell Lines Administered to Animals in Vivo

Yes

No

Yes

Microbial Agents

Name

E. coli Dh5alpha

Administered to Animals in Vivo

No

Room Numbers

Room No.

SB.8277

S13.8202

Biosafety Level :

Meeting Notes :

Description

Animal Facilities

Tissue Culture Facility

BSL2

The goal of the proposed research is to test the role of immunoproteasome in lung cancer growth and spread by

BSL 2: NEW PROTOCOLS

genetically modulation of expression of subunits of the immunoproteasome complex. Mouse lung cell lines will be modified using viral and non-viral plasmids, to express luciferase and to knock-down or knock-out expression of PSMB8-10. Cell lines will be administered to animals in vivo. IACUC protocol is current.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	23	0	0	0
Investigator :	Nitin Jain			
Document No. :	RM00008864-RN00			
NIH Guidelines Category :	III-C-1.			
Agents :				
Viral Systems				
Virus System	Virus Administered to Animals		Backbones	
Lentivirus	No		pRSC	
Cell Lines				
Cell Line	Cell Lines Administered to Animals in Vivo			
T-Cells	No			
Room Numbers				
Room No.	Description			
P14.2910	Diagnostic Service Laboratory			
G19.3336	Care Team Station			
Biosafety Level :	BSL2			
Meeting Notes :	The primary objective of this clinical study is to evaluate the safety of KITE-753 and establish the recommended phase 2 dose in patients with relapsed/refractory B-cell ALL along the efficacy of the agent in treating the disease. To manufacture KITE-753, T cells isolated from the participant’s apheresis material are activated and then transduced with a third-generation replication-deficient lentiviral vector to introduce the anti-CD19 CAR and anti-CD20 CAR transgenes. Production of the agent takes place at the sponsor’s site IRB approval is pending.			

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	23	0	0	0
Investigator :	Michael Spiotto			
Document No. :	RM00009097-RN00			
NIH Guidelines Category :	III-D-1-a.			
Agents :				
Non Viral Systems				
Technical Name	Is Whole Animal Used as Host			
pNZ-ldh-IRFP	No			
pNZ-ldh-mCherry	No			
pNZ-ldh-mTagBFP2	No			
pcDNA3.1(+/-)	No			

BSL 2: NEW PROTOCOLS

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	LentiCRISPRV2
Lentivirus	No	lentiGuide-puro

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
HNSCC, mEER	Yes
Cervical Epithelial Cells, HeLa	No
Cervical Epithelial Cells, Ca Ski	No
Cervical Epithelial Cells, C-33A	No
Cervical Squamous Cells, SiHa	No

Microbial Agents

Name	Administered to Animals in Vivo
L. crispatus ATCC 33820::pNZ-ldh-mCherry	No
L. crispatus ATCC 33820::pNZ-ldh-mTagBFP2	No
L. crispatus ATCC 33820::pNZ-ldh-IRFP	No
L. gasseri ATCC 33323::pNZ-ldh-mCherry	No
L. gasseri ATCC 33323::pNZ-ldh-mTagBFP2	No
L. gasseri ATCC 33323::pNZ-ldh-IRFP	No
L. jensenii ATCC 25258::pNZ-ldh-mCherry	No
L. jensenii ATCC 25258::pNZ-ldh-mTagBFP2	No
L. jensenii ATCC 25258:: pNZ-ldh-IRFP	No
Synthetic K7B Bacteriocin (Antimicrobial peptide)	Yes
Lactobacillus iners, HM-702 strain	Yes
Lactobacillus iners, ATCC 55195	Yes
E. coli XL1-Blue	No
Staphylococcus simulans, MDAV_006.9	No
Lactocaseibacillus paracasei, ATCC	No
Lactobacillus crispatus, CTV05 (Osel)	Yes
Staphylococcus epidermidis, MDAV_005.13	No
Staphylococcus lugdunensis, ATCC	No
Lactobacillus crispatus, MV4A (Osel)	Yes
Enterococcus faecalis, VSM002.9.SO	No
Staphylococcus aureus, VSM005.2.BR08.SO	No
Enterococcus faecium, ATCC	No
Staphylococcus haemolyticus, MDAV_006.6	No
Streptococcus anginosus, ATCC	No
Lactobacillus lactis, ATCC	Yes
Lactobacillus jensenii, 211-2 (Osel)	Yes
Lactocaseibacillus rhamnosus, VSM002.2.BR07.SO	No
Enterococcus faecalis, ATCC	No
Lactobacillus jensenii, 269-3 (Osel)	Yes
Lactobacillus paragasseri, K7 (Osel)	Yes
Streptococcus mitis, ATCC	No
Lactobacillus crispatus, MV4B (Osel)	Yes
Staphylococcus warneri, ATCC	No

BSL 2: NEW PROTOCOLS

Microbial Agents

Staphylococcus hominis, MVS042.2.BR08.SO	No
Lactobacillus johnsonii, ATCC	Yes
Streptococcus agalactiae, MVS021.1.BR07.SO	No
Lactobacillus crispatus, SV16B (Osel)	Yes
Streptococcus anginosus, TPS_002.3	No
Staphylococcus capitis, ATCC	No
Staphylococcus hominis, ATCC	No
Lactobacillus johnsonii, TPS_002.6	Yes
Lactobacillus crispatus, ATCC SJ-3C (PTA-10138)	Yes
Gardnerella species	No

Room Numbers

Room No.

Z6.4017
Z6.4023
SB.8213
Z6.4019

Description

Flex Wet Lab
Chemical Fume Hood Room
Animal Facilities
Tissue Culture Facility

Biosafety Level :

BSL2

Meeting Notes :

This project investigates the molecular, immunologic, and microbial factors driving HPV-related cancers and precancerous lesions. Using genomic, microbiome, metabolomic, and immune analyses, researchers will study disease characteristics, treatment responses, and the role of cancer-associated bacteria. The work includes cell culture studies, bacterial genome sequencing, development of a targeted bacteriocin therapy (K7B), and mouse tumor models to evaluate how microbial communities influence cancer progression and therapeutic outcomes. Plasmids, lentiviral vectors and various bacteria will be used. Various bacterial isolates derived from cervical cancer patients on HPV-driven cancers will be tested through in-vitro experiments, while mouse tumor models will be treated with microbial agents. Most of the bacterial strains to be used are human pathogen of RG2. Among other contingencies, not all agents in ACUF protocol are listed in the IBC registration. No IRB protocol provided addressing the collection of bacteria from cancer patients.

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	23	0	0	0
Investigator :	Ronald A DePinho			
Document No. :	TA00000781-RN02_AM11			
NIH Guidelines Category :	III-F-8.			
Agents :				
Species	ACUF#	Genes Inserted	Genes Deleted	

Mouse	00002678-RN00 00002775-RN00 00002584-RN00 00002651-RN00 00001123-RN04 00001069-RN04	Halo-Sox2; Rosa26 FLPeR, Ptfla-CreER; p48 Cre; CDX2-CreERT2; CAG-Cre; Syn1-Cre; Rluc-hTERT; R26-CAGGS; pA/R26-CreERT2; pA/3xTg; Nestin-CreERT2; Camk2a-CreERT2; pA/5xFAD; Mdx; P2A-3XFLAG; 3XFLAG; Syn1-CreERT2; 3xTg; 5xFAD; Villin-CreERT2, OT-I; OT-II; pdx1-cre; Luc Flox; Itgam DTR Tg; Itgas DTR Tg; AFHmter; TetO-Braf; Tg (TeraTcrb) Rag 1; GFAP tta; Rosa26-LSL-rtTA-GFP; Rosa-rtTA, Rosa-LSL-Luc; Rosa LSL-LacZ; Rosa LSL YFP; Rosa-CreERT2. , Zbtb16fl/fl, PD1 Flox, BRAFF-V600E/+, DKK3; PB-Cre; tetO-Kras LSL; Foxo3KI; Kras-LSL; LSL-P53R270H; LSL-P53 R172H; Lgr5-EGFP-CreERT2.	Vg4 KO, Tcrd KO; PAPSS2 Flox; Msh2 Flox; CDX2 Flox; ATAD1 KO; CCL2/CCL7 DKO; BIRC6 KO. , Sin3a Flox; Sin3b Flox; Ink4a/ARf null; Pten Flox; p53 Flox; Smad 4 Flox. , HDAC2 Flox; Chd1 tm1a Flox; Chd1 tm1c Flox; Yap1 Flox; PtenERT2; CD8 KO; CD4 KO. , BRAF F-V600E; CDX2 flox; Lag3 KO; LSL-TERT-ER; mTert KO; mTerc KO; IRS1 Flox; IRS2 Flox; EGFRviii Flox; P16 KO; BAF180 Flox; p19 KO; Kras KO; Apc Flox.
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Biosafety Level :

Meeting Notes :

A terminated IACUC protocol was removed, and a new one was added covering the transgenic studies.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	23	0	0	0

Investigator :

Yiwen Chen

Document No. :

[RM00000894-RN02_AM1](#)

NIH Guidelines Category :

III-D-1-a.

Agents :

Non Viral Systems

Technical Name

Is Whole Animal Used as Host

pCMV4-FLAG

No

pDsRed-C1

No

pHcRed-C1

No

pCMV-Tag2B

No

pSG5

No

pEGFP-C1

No

pCFP-C1

No

Viral Systems

Virus System

Virus Administered to Animals

Backbones

lentivirus

No

pLSLG

retrovirus

No

pMSCV

lentivirus

No

pTRIPZ

lentivirus

No

pLVX

lentivirus

No

pLKO

retrovirus

No

pSIREN

lentivirus

No

pLenti CMV Blast DEST (706-1)

Cell Lines

Cell Line

Cell Lines Administered to Animals in Vivo

Cell Lines

breast cancer MDA 231-LM2-4175	Yes
breast cancer MDA 231-BrM2-831	Yes
human prostate cancer LNCap	No
human prostate cancer LAPC4	No
breast cancer MCF7 with inducible expression of Cas9	No
glioblastoma stem cell 272 (GSC272)	No
human prostate epithelial cell RWPE-1	No
breast cancer MDA-MB-231	No
human prostate cancer LNCap-abl	No
human prostate cancer CWR22Rv1	No
human breast epithelial fibroblast MCF-10A	No
breast cancer MCF7	No
glioblastoma stem cell 11 (GSC11)	Yes
human prostate cancer PC3	No
human epithelial fibroblast 293T	No
human prostate cancer DU-145	No
human epithelial fibroblast 293FT	No
glioblastoma stem cell 17 (GSC17)	Yes
glioblastoma stem cell 295 (GSC295)	No
breast cancer T47D	No
glioblastoma stem cell 20(GSC20)	No
glioblastoma stem cell 262 (GSC262)	No
breast cancer MDA 231-BoM-1833	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E.coli DH5 α and BL21	No
Biosafety Level :	BSL2
Meeting Notes :	Three breast cancer cell lines were added to the study.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	23	0	0	0

Investigator : Frederick F Lang Jr
Document No. : [RM00008574-RN00_AM1](#)
NIH Guidelines Category : III-D-4-b.
Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
	Yes	

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
	Yes
Biosafety Level :	BSL2
Meeting Notes :	Updated IACUC protocol number due to renewal.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
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Approved With Contingencies	23	0	0	0
Investigator :	Rugang Zhang			
Document No. :	RM00006491-RN00_AM11			
NIH Guidelines Category :	III-D-3-a.			
Agents :				
Viral Systems				
Virus System	Virus Administered to Animals		Backbones	
Lentivirus	No		pLKO.1,pCDH,pMD2.G,psPAX2	
Cell Lines				
Cell Line	Cell Lines Administered to Animals in Vivo			
High Grade Serous Ovarian Cancer (OVCAR3, OVCAR4, OVCAR5, OVCAR8, OVCAR10, A1847, PEO1, PEO4, KURAMUCHI, CAOV3)	No			
HEK293T/293T	No			
Microbial Agents				
Name	Administered to Animals in Vivo			
E. Coli (DH5a)	No			
Biosafety Level :	BSL2			
Meeting Notes :	Removed IACUC protocol number and associated agents previously administered in vivo.			

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	23	0	0	0
Investigator :	Wen Jiang			
Document No. :	RM00006090-RN00_AM15			
NIH Guidelines Category :	III-D-4-b.			
Agents :				
Non Viral Systems				
Technical Name	Is Whole Animal Used as Host			
Entry vector - pNC	No			
mRNA that transcribes the CAR gene	Yes			
mRNA that transcribes the a neoantigen peptide of cancer cell	Yes			
mRNA that transcribes the IDH1 gene	Yes			
mRNA that transcribes the PIB (PU.1, IRF8, and BATF3) gene	Yes			
Viral Systems				
Virus System	Virus Administered to Animals		Backbones	
Lentivirus	No		pLVX-EF1alpha, with helper plasmids VSV-G, psPAX2, pMDLg/pRRE, pMD2.G, pRSV-REV	
Adeno-associated virus	Yes		pAAV	
Lentivirus	Yes		pRRL with helper plasmids VSV-G, psPAX2, pMDLg/pRRE, pMD2.G, pRSV-REV	
Lentivirus	No		pEF-I-GFP-GX with helper plasmids VSV-G, psPAX2, pMDLg/pRRE, pMD2.G, pRSV-REV	
Adenovirus	No		pBR322	

Cell Lines**Cell Line**

T cells

Macrophages

293T

Mouse brain tumor cells

Breast cancer cell

Human brain tumor cells

Peripheral blood mononuclear cell

Macrophages

Biosafety Level :

Meeting Notes :

Cell Lines Administered to Animals in Vivo

Yes

Yes

No

Yes

Yes

Yes

No

Yes

BSL2

IDH1 mRNA and human brain tumor cells were added to agents, for in vitro and in vivo studies.

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

Approved

23

0

0

0

Investigator :

Alexandre Reuben

Document No. :

[RM00006717-RN00_AM11](#)

NIH Guidelines Category :

III-D-1-a.

Agents :

Non Viral Systems**Technical Name**

pcDNA3.1

pCMV

Is Whole Animal Used as Host

No

No

Viral Systems**Virus System****Virus Administered to Animals****Backbones**

Lentivirus

No

pLV-EF1a-IRES-Puro, pMD2.G, psPAX2

Retrovirus

No

pRP, pMSCV, pMSGV1, RetroVec, SinVec

Cell Lines**Cell Line**

Human leukemia cell line (K562)

Murine lung cancer cells (344SQ, LLC)

Human dendritic cells

HEK293 and descendant cell lines (293T, 293Vec-GP, 293Vec-Galv, 293Vec-RD114, and 293Vec-Baev)

Human PBMCs

Human lung cancer cells (H1975, A549, LKR10, LKR13, H23, H569)

Human HLA Negative B-Lymphoblastoid cells (721.221, 721.220)

Human T cells

Cell Lines Administered to Animals in Vivo

No

Yes

No

No

No

Yes

No

Yes

Microbial Agents**Name**

E. coli DH5a

Biosafety Level :

Meeting Notes :

Administered to Animals in Vivo

No

BSL2

Updated IACUC protocol number due to renewal.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	23	0	0	0
Investigator :	Jae-II Park			
Document No. :	RM00000581-RN02_AM3			
NIH Guidelines Category :	III-D-4-b.			
Agents :				
Non Viral Systems				
Technical Name	Is Whole Animal Used as Host			
pcDNA3.1(-)	No			
iTracer-perturb (EPR #351)	No			
Viral Systems				
Virus System	Virus Administered to Animals		Backbones	
Adenovirus_CMV	Yes		pAd/CMV/V5-DEST	
Adenovirus (animal)	Yes		Cre, Cas9, sgRNAs	
Lentivirus_GOF	Yes		pLenti-puro	
Adenovirus-CRISPR	No		Cre, Cas9, sgRNAs	
Lentivirus-CRISPR	Yes		pLenti-CRISPR/Cas9	
Cell Lines				
Cell Line	Cell Lines Administered to Animals in Vivo			
intestinal epithelial cell lines (normal and cancer)	Yes			
Esophageal squamous cell cancer (ESCC) - PDX/PDO	Yes			
Gastric cell lines (normal and cancer)	No			
Lung cancer cell lines	Yes			
Esophageal organoids (derived from lab mice)	Yes			
Esophageal squamous cell cancer (ESCC) cell lines - human	Yes			
Intestinal crypt organoids (derived from lab mice)	No			
Esophageal organoids (derived from lab rat)	Yes			
Lung cancer cell lines (derived from KrasG12D and Trp53 knock-out)	Yes			
293T for packaging	No			
Esophageal squamous cell cancer (ESCC) cell lines - mouse	Yes			
Small cell lung cancer (SCLC) - PDX/PDO	Yes			
Microbial Agents				
Name	Administered to Animals in Vivo			
E.Coli Stbl3	No			
Biosafety Level :	BSL2			
Meeting Notes :	Three breast cancer cell lines were added to the study. There is a discrepancy in agents in IBC and IACUC that needs to be addressed before approval.			

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	22	0	1	0
Investigator :	Niki M. Zacharias Millward			
Document No. :	RM00005694-RN00_AM12			
NIH Guidelines Category :	III-D-1-a.			

Agents :

Viral Systems

Virus System

Lentivirus

Lentivirus

Virus Administered to Animals

No

No

Backbones

psi-LVRH1GP

pGIPZ

Cell Lines

Cell Line

Penile Cells

patient derived renal cell

renal cell

Cell Lines Administered to Animals in Vivo

Yes

Yes

Yes

Biosafety Level :

BSL2

Meeting Notes :

This amendment added a new lentivirus backbone and gene to the protocol.

Disposition

Votes For

Votes Against

Votes Abstain

Votes-Recuse

Approved With
Contingencies

23

0

0

0

Investigator :

Michael Kim

Document No. :

[RM00002360-RN01_AM3](#)

NIH Guidelines Category :

III-D-4-b.

Agents :

Viral Systems

Virus System

Lentivirus

Adeno-associated virus

Virus Administered to Animals

No

Yes

Backbones

pGIPZ

Ad-GFP-RGD, DELTA-24-RGD

Cell Lines

Cell Line

Pancreatic cancer

Human pancreatic cell line

293T- human embryonic kidney 293 cells

Cell Lines Administered to Animals in Vivo

Yes

No

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

23

0

0

0

Investigator :

Katy Rezvani

Document No. :

[RM00002650-RN01_AM17](#)

NIH Guidelines Category :

III-D-1-a.

Agents :

Non Viral Systems

Technical Name

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

Is Whole Animal Used as Host

No

No

No

No

No

No

Category	Should Take Action (%)	Should Not Take Action (%)
All respondents	83	16
Gender		
Male	84	15
Female	82	17
Age		
18-29	85	14
30-49	83	16
50-69	81	18
70+	79	20
Education		
High school or less	80	19
Some college	82	17
Bachelor's or higher	84	15

[illegible]

Virus System	Virus Type
Adenovirus	No
Herpesvirus	No
Poliovirus	No
Rubellavirus	No
Scarlatina	No
Scarlatina	No
Scarlatina	No
Scarlatina	No

No
No
No
No
No
No

Category	Percentage
Current government	75%
Previous governments	15%
Previous governments	15%
Previous governments	15%
Previous governments	15%

Viral Systems

[illegible]

Cell Lines

Cell Line

Age Group	Percentage
18-29	85%
30-49	82%
50-69	80%
70+	75%
Total	85%

Cell Lines Administered to Animals in Vivo

No
No
No
No
No
Yes
No
No
Yes
No

Age Group	Percentage of Respondents
18-29	95%
30-49	85%
50-64	75%
65+	65%

[illegible]

Name

No

BSL2

Added several [REDACTED] and [REDACTED] for in vitro use.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	23	0	0	0

Frederick F Lang Jr

RM00002732-RN01_AM16

III-D-4-b.

Agents :

Non Viral Systems

Technical Name

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

Is Whole Animal Used as Host

No
No
No
No
No
No
No
No
No
No
No

Viral Systems

Virus System

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

Virus Administered to Animals

Yes
No
No
Yes
No
No
No

Backbones

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

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

No
No
No
Yes
No

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

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

Yes
No
No
Yes
No
Yes
Yes
No
No

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

Cell Lines

Cell Line

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

Cell Lines Administered to Animals in Vivo

Yes
No
Yes
Yes
Yes
Yes
No
Yes

Cell Lines

	Yes
	Yes
	Yes
	No
	No
	Yes

Microbial Agents

Name

Administered to Animals in Vivo

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	23	0	0	0

Investigator :

Byron Lee

Document No. :

[RM00006715-RN00_AM3](#)

NIH Guidelines Category :

III-D-1-a.

Agents :

Viral Systems

Virus System

Virus Administered to Animals

Backbones

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

Cell Lines

Cell Line

Cell Lines Administered to Animals in Vivo

patient derived bladder cancer organoids	No
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
mouse bladder cancer cell lines: BBN963, MB49, UPPL1541, UPPL1591, UPPL1595	No

Biosafety Level :

BSL2

Meeting Notes :

The following agents added: mouse bladder cancer cell lines for in vitro work and NECTIN4 cell surface marker for gene manipulation.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	23	0	0	0

Investigator : Pappanaicken R Kumar
Document No. : RM00003485-RN01_AM6
NIH Guidelines Category : III-D-1-a.

Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pLVDL300G, pSPAX2, pRSV-Rev, pCMV-VSV-G, pLX301, pLJM1, FUGW, pUMVC, pMD2.G, pLentiCas9-EGFP
Lentivirus	No	pLVDL300G, pSPAX2, pRSV-Rev, pCMV-VSV-G, pLX301, pLJM1, FUGW, pUMVC
Retrovirus	No	MSGV1-GD2-BBZ CAR, MSGV-FMC63-28Z (MSGV-CD19-FMC63 CAR); CS1-CAR; GXMR-CAR, AF-CAR, CD27-CAR, IL3-CAR
Retrovirus	No	pRV100G-GOI-T2A-eGFP, pRV100G-GOI-T2A-mCherry, MSCV IRES Luciferase, pMIG, MSCV-IRES-GFP, pMSCV-IRES-mCherry-FP, pUMVC, RP[CAR]-mCherry
Lentivirus	No	pLVDL300G, pSPAX2, pRSV-Rev, pCMV-VSV-G, pLX301, pLJM1, FUGW, pUMVC
Lentivirus	No	pPACKH1-GAG, pPACKH1-REV and pVSV-G
Lentivirus	No	pCDH-CMV-MCS-EF1a-RFP-Puro
Lentivirus	No	pLVDL-mIL21, pLVDL-CD86, pLVDL-CD137L, pLVDL-CD134L (OX40L), pLVDL-CS1-CAR, pLVDL-GXMR-CAR, pLVDL-AF-CAR, pLVDL-CD27-CAR

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Melanoma (Ma-Mel-36, Mel-37b, UKRV-Mel-18a, SK-Mel-5)	No
Pediatric high grade glioma (KNS-42), SF188	No
Ovarian Cancer (OVCAR-4, OVCAR-8, NCI-ADR-RES)	No
293T	No
Murine anti-human AML blast hybridoma (library)	No
Colon Cancer (Colo-205), KM-12	No
Breast Cancer cell line (MDA-MB-231, MDA-MB-453, MDA-MB-435, MDA-MB-361, SK-Br3, MCF7)	No
Breast Cancer Modified (MB-231-ffluc-D3H2-LN)	No
Leukemic NHL (SK-LY-16), K562, NALM-6, MOLT-4, HL-60, T-ALL (H9, Jurkat, MJ, HPB-ALL, T-ALL1); lymphoma (BJAB)	No
Lung Cancer (NSCLC, NCI-H226)	No
Osteosarcoma (U2-OS, HOS, MG-63), SAOS, LM8 and 143B	No
DLL1 stromal cell	No
CAR T cells/ NK cells	Yes

Microbial Agents**Name**

E.Coli one-shot Top10 competent cells

Administered to Animals in Vivo

No

Biosafety Level :

BSL2

Meeting Notes :

Added a new commercial lentiviral backbone to the protocol.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	23	0	0	0

Investigator :

Jae-II Park

Document No. :

[RM00006950-RN00_AM2](#)

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-CRISPR

Lentivirus

No

pLenti

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

293T

No

Murine SCLC cells

Yes

Microbial Agents**Name**

E.coli

Administered to Animals in Vivo

No

Biosafety Level :

BSL2

Meeting Notes :

Updated IACUC protocol number due to renewal.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	23	0	0	0

Investigator :

Don Lynn Gibbons

Document No. :

[RM00000569-RN02_AM7](#)

NIH Guidelines Category :

III-D-4-b.

Agents :

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

pRL-TK

No

pcDNA5 FRT/TO Flag-BirA R118G [mcs], pcDNA5 FRT/TO [mcs] -BirA R118G Flag

No

pUC19

No

pGL3-mLOXL2 3'UTR

No

pGL3-mLOXL2 Promoter

No

Non Viral Systems

pGL3-Promoter	No
pmRFP-LC3	No
pCR-BluntII-TOPO	No
pCMV5 TrkA	No
pCDNA3.1	No
pGL3-basic	No
pRL-TK	No
pGL3-mLOX 3'UTR	No
hRL	No
pIRES Hyg3	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	Yes	pLenti-Cre GFP miR96
Lentivirus	No	pLenti 4.1
Adenovirus	Yes	Ad5-CMV-Cre
Lentivirus	No	pLKO.1
Lentivirus	No	pCDH-CMV-Puro
Lentivirus	No	pLenti-CMV-GFP-2A-Puro
Lentivirus	Yes	pLL3.3-Cre
Lentivirus	Yes	pLenti-Cre GFP TMEM
Lentivirus	No	pLenti-Puro
Lentivirus	Yes	pLenti-Cre GFP
Retrovirus	No	pGFP-v-RS shRNA
Lentivirus	No	pLenti-EF-ires-blast
Adenovirus	No	pAd5
Lentivirus	No	pLV11
Lentivirus	No	miRZip
Lentivirus	No	Tet-pLKO-puro
Lentivirus	No	pLEX4.2
Lentivirus	No	pInducer
Lentivirus	No	pLKO.1-TRC
Lentivirus	Yes	pLL3.3-Cre-PD-L1
Lentivirus	No	pLenti-Cre GFP miR96
Lentivirus	No	pL6.3EF
Lentivirus	No	pLD6.EF-Puro
Lentivirus	No	pTRIPZ
Lentivirus	No	pLL3.3-UBC-zSG-PGK-Cre; pLL3.3-UBC-mCherry-PGK-Cre; pLL3.3-UBC-p53-PGK-Cre
Lentivirus	No	Cui-Cas9-sgRNA
Retrovirus	No	pLMP
Lentivirus	No	LV-Cre-pLKO.1
Lentivirus	No	pGIPZ
Lentivirus	No	pLenti-Cre-pLKO
Lentivirus	No	pLenti6.3

Cell Lines

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

Cell Lines

PT67	No
Mouse Lung Cancer Cells	Yes
NIH/3T3 Cells	No
Murine Lung Cancer	Yes
HEK 293T	No
Murine Lung Cancer	Yes
Amphopack293	No
Human Lung Cancer Cells	No

Microbial Agents

Name	Administered to Animals in Vivo
E. Coli DH5a	No
Biosafety Level :	BSL2
Meeting Notes :	Updated IACUC protocol renewal number and added personnel.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	23	0	0	0
Investigator :	Susan Bullman			
Document No. :	RM00007970-RN00_AM16			
NIH Guidelines Category :	III-D-4-a.			
Agents :				

Viral Systems

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

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Murine oral keratinocytes	Yes
Breast Cancer	Yes
Colon cancer- luciferase/td Tomato dual-labeled	Yes
Human embryonic kidney cells	No
Pancreatic cancer	Yes
Renal adenocarcinoma	Yes
Colon cancer- luciferase/GFP dual-labeled	Yes
Colon cancer- EGFP labeled and Thy1.1 expressing	Yes
Colon cancer- dTomato and SrtA expressing	Yes
Ovarian Cancer	Yes
Colon Cancer	Yes
Colon Cancer	Yes
Anti-Fusobacterium CAR-M monocytes	Yes
Mouse melanoma	Yes
Oral Squamous Cell Carcinoma	Yes
Lung carcinoma	Yes
Colon cancer- luc labeled	Yes
Mammary adenocarcinoma cell line	Yes

Microbial Agents

Name	Administered to Animals in Vivo
Cutibacterium acnes	No
Selenomas ATCC 35185	Yes
Fusobacterium strain SB010 pVoPo-01	Yes
Bacteroides fragilis	Yes
Fusobacterium strain SB001	Yes
Fusobacterium strain SB010 anti-CD40+	Yes
Bacteroides fragilis strain 107LM	Yes
Prevotella intermedia	No
Fusobacterium strain SB010 delta pocR (isogenic mutant)	Yes
Fusobacterium strain SB010 delta eutB/pduC (isogenic mutant)	Yes
Fusobacterium strain SB010 delta gadB (isogenic mutant)	Yes
Fusobacterium strain SB048	Yes
Fusobacterium strain SB010 anti-PD-L1+	Yes
Fusobacterium strain SB030	Yes
Fusobacterium strain SB010 anti-CTLA4+	Yes
Fusobacterium strain KCOM 3363	Yes
Fusobacterium strain KCOM 3764	Yes
Fusobacterium strain SB010 anti-PD-L1+/anti-CTLA4+	Yes
Escherichia coli ATCC 25922	No
Fusobacterium strain SB010 delta eutB (isogenic mutant)	Yes
Fusobacterium strain SB010	Yes
Fusobacterium strain SB010 delta eutVW (isogenic mutant)	Yes
Fusobacterium strain SB010 Tn-Library	Yes
Parvimonas micra	No
Fusobacterium strain SB010 delta pduC (isogenic mutant)	Yes
Fusobacterium strain SB010 delta mfnI (isogenic mutant)	Yes
Fusobacterium strain SB010 anti-CD47+	Yes
Fusobacterium strain SB002	Yes
Fusobacterium sphericum	No
Salmonella VNP20009	Yes
Fusobacterium strain SB010-pFnLux	Yes
Bacteroides fragilis strain CTX25T	Yes
Fusobacterium necrophorum	No
Fusobacterium varium	No
Prevotella intermedia strain 107CP	Yes
Fusobacterium ulcerans	No
Fusobacterium necrophorum strain 107LM	Yes
Fusobacterium periodonticum	No
Escherichia coli Nissle 1917 (EcN)	Yes
Fusobacterium hominis	No
Porphyromonas asaccharolytica strain 115CP	Yes
Fusobacterium strain SB002-pFnLux	Yes
Gemella species	No
Bacteroides fragilis strain 106LM	Yes
Biosafety Level :	BSL2

Meeting Notes :

Added new RG2 bacterial strains for use with animal in vivo.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	23	0	0	0

Investigator :

Cassian Yee

Document No. :

[RM00000378-RN02_AM12](#)

NIH Guidelines Category :

III-D-4-b.

Agents :

Non Viral Systems

Technical Name

Is Whole Animal Used as Host

No

Viral Systems

Virus System

Virus Administered to Animals

Backbones

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

Yes
No
No
No
No
No
Yes
No
Yes
Yes

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

Cell Lines

Cell Line

Cell Lines Administered to Animals in Vivo

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

Yes
No
Yes
No
No
No
Yes

Biosafety Level :

BSL2

Meeting Notes :

Added [REDACTED] for [REDACTED] construction, and updated IACUC protocol number and information.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	23	0	0	0

Investigator :

Daoyan Wei

Document No. :

[RM00002985-RN01_AM7](#)

NIH Guidelines Category :

III-D-1-a.

Agents :

Non Viral Systems

Technical Name

Is Whole Animal Used as Host

pcDNA3.1

No

pEGFP

No

Viral Systems**Virus System**

Lentivirus
Lentivirus
Lentivirus
Adenovirus

Virus Administered to Animals

No
No
No
No

Backbones

pLVX-shRNA1
Lenti-Cas9-2A-Blast
pLVX
pAdeasy

Cell Lines**Cell Line**

gastric cancer
colon cancer
liver cancer
pancreatic acinar cells
Colon Cancer
Pancreatic cancer

Cell Lines Administered to Animals in Vivo

Yes
Yes
Yes
No
Yes
Yes

Microbial Agents**Name**

E. coli DH5-alpha

Biosafety Level :

Meeting Notes :

Administered to Animals in Vivo

No

BSL2

The amendment added human and mouse colon cancer cell lines, CCL5 gene (human and mouse), and agents were included in IACUC protocol.

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

Approved With
Contingencies

23

0

0

0

Investigator :

Document No. :

NIH Guidelines Category :

Agents :

Luigi Perelli

[RM00008252-RN00_AM12](#)

III-D-4-b.

Non Viral Systems**Technical Name**

pCDNA

Is Whole Animal Used as Host

No

Viral Systems**Virus System**

Lentivirus
Adeno-associated virus
Lentivirus

Virus Administered to Animals

No
Yes
No

Backbones

pSICO, pHAGE
pEMS2158
pMD2.G, psPAX2, LentiCRISPR-V2

Cell Lines**Cell Line**

293 T helper cells
Kidney cancer cells
Brain cancer cells
NAMEC 8
4t1
4T07
PTEC
D2A1

Cell Lines Administered to Animals in Vivo

No
No
No
Yes
Yes
Yes
Yes
Yes

Cell Lines

GM25256 iPSC line	Yes
iPSC	Yes
HMLER	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
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Meeting Notes :	An induced pluripotent stem cell (iPSC) line was added to the protocol for gene editing and administration to animals in vivo
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Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	23	0	0	0

Investigator :	Lauren Averett Byers
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Document No. :	RM00000193-RN02_AM7
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NIH Guidelines Category :	III-D-4-b.
---------------------------	------------

Agents :

Viral Systems**Virus System**

[REDACTED]

Virus Administered to Animals

Yes
No
Yes
No
No
No
No

Backbones

[REDACTED]

[REDACTED]

No
No
No
No
No
No
No
No

Cell Lines**Cell Line**

[REDACTED]

Cell Lines Administered to Animals in Vivo

Yes
No
Yes
No
Yes
No
No
Yes

A horizontal bar chart titled 'U.S. should take action to address climate change' showing the percentage of respondents who believe the U.S. should take action to address climate change. The chart is broken down by age group (18-29, 30-49, 50-69, 70+) and gender (Male, Female). The y-axis lists 20 categories, each representing a combination of age group and gender. The x-axis represents the percentage, ranging from 0% to 100%.

Category	Percentage
18-29 Male	~65%
18-29 Female	~95%
30-49 Male	~75%
30-49 Female	~70%
50-69 Male	~65%
50-69 Female	~65%
70+ Male	~65%
70+ Female	~65%
18-29 Male	~65%
18-29 Female	~85%
30-49 Male	~65%
30-49 Female	~65%
50-69 Male	~65%
50-69 Female	~65%
70+ Male	~60%
70+ Female	~65%
18-29 Male	~65%
18-29 Female	~65%
30-49 Male	~65%
30-49 Female	~65%
50-69 Male	~65%
50-69 Female	~65%
70+ Male	~65%
70+ Female	~65%

Yes

BSL2

Updated IACUC protocol numbers due to renewal and added two [REDACTED] systems to agents.

Investigator : John Victor Heymach
Document No. : RM00000523-RN02_AM29
NIH Guidelines Category : III-D-4-b.
Agents :

Technical Name

Technical Name	Occurrences
[REDACTED]	2
[REDACTED]	4
[REDACTED]	3
[REDACTED]	10
[REDACTED]	3
[REDACTED]	4

No

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

Viral Systems

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

Cell Lines

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

Cell Lines

	No
	No
	No
	Yes
	No
	No
	No

Microbial Agents

Name

Biosafety Level :

Meeting Notes :

Administered to Animals in Vivo

Yes

No

BSL2

Added and and gene of interest,
.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	23	0	0	0

Investigator :

Document No. :

NIH Guidelines Category :

Agents :

Sean M. Post

[RM00000475-RN02_AM1](#)

III-D-3-a.

Viral Systems

Virus System

Lentivirus	No
Lentivirus	No
Lentivirus	No
Lentivirus	No
Lentivirus	No
lentivirus	No
lentivirus	No
Adenovirus	No

Virus Administered to Animals

Backbones

pCMV-VSV-G
pCMV-dR8.2
pLoc
pCDH
HuSH shRNA/pGFP-C-shLenti
TRE3G-ORF-P2A-eGFP-PGK-TET3G-BSD
piSMART
Human Adenovirus Type5 (dE1/E3)

Cell Lines

Cell Line

293T cells	No
Leukemia Cell lines	No
Mouse embryonic fibroblasts	No

Cell Lines Administered to Animals in Vivo

Microbial Agents

Name

E. coli	No
---------	----

Administered to Animals in Vivo

Biosafety Level :	BSL2
Meeting Notes :	Added an adenovirus system to agents and updated individual responsible in PI's absence. Because mouse breeding and collection of MEFs are part of the experimental plan, the project should be amended to include the cited ACUF 0000787-RN04.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	23	0	0	0

Investigator :	Xiao Zhao
Document No. :	RM00007174-RN00_AM4
NIH Guidelines Category :	III-D-1-a.
Agents :	

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
AurKB-Chr8XF #1	No
AurKB-Chr7ZF #1	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pHAGE-KNL1S24AS60A-dCas9-blast,
Lentivirus	No	pLENTI FE
Lentivirus	No	pCDH-CMV-MCS-EF1 α -Neo

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
hTERT normal oral epithelial cell line	Yes
Oral cancer	Yes

Biosafety Level :	BSL2
Meeting Notes :	Added lentiviral vector to agents and updated IACUC protocol number.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	23	0	0	0

Investigator :	Kristen Pauken
Document No. :	RM00006570-RN00_AM25
NIH Guidelines Category :	III-D-1-a.
Agents :	

Non Viral Systems

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

Viral Systems

Virus System	Virus Administered to Animals	Backbones
lentivirus	No	psPax2, pMD2.G, Cre-Mscarlette-pRpl18-4x MirT
lentivirus	No	psPax2, pMD2.G, pLC-ZsGreen-P2A-puro
lentivirus	No	psPax2, pMD2.G, Lenti-EF1 α -ZsGreen1_Puro-GP100-EGS-weak

Viral Systems

lentivirus	No	psPax2, pMD2.G, Lenti-EF1 alpha-ZsGreen1_Puro-GP100-EGP-medium
lentivirus	No	psPax2, pMD2.G, Lenti-EF1 alpha-ZsGreen1_Puro-GP100-KGP-strong
lentivirus	No	psPax2, pMD2.G, Lenti-EF1 alpha-ZsGreen1_Puro-GP100-KVP-human-orthologue

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

Microbial Agents

Name	Administered to Animals in Vivo
E. coli Stb13	No
Biosafety Level :	BSL2
Meeting Notes :	Updated the 293T cell Lenti-X 293T for viral production.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	23	0	0	0
Investigator :	Shabnam Shalapour			
Document No. :	RM00008242-RN00_AM1			
NIH Guidelines Category :	III-D-4-b.			
Agents :				
Viral Systems				
Virus System	Virus Administered to Animals		Backbones	
adenovirus (AAV8)	Yes		AAV.TBG.PI.Cre.rBG plasmid DNA.	
adenovirus (AAV6)	Yes		AAV-Cre (AAV serotype 6) vector Biolabs, 7013	
Cell Lines				
Cell Line	Cell Lines Administered to Animals in Vivo			
Hepatocytes isolated	Yes			
T cells isolated	Yes			
B cells isolated	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	23	0	0	0
Investigator :	Yuan Pan			
Document No. :	RM00005849-RN00_AM69			
NIH Guidelines Category :	III-D-4-b.			
Agents :				
Non Viral Systems				
Technical Name	Is Whole Animal Used as Host			
	No			
	No			
	No			
	No			
Viral Systems				
Virus System	Virus Administered to Animals		Backbones	
	Yes			
	Yes			
	Yes			
	Yes			
	No			
	Yes			

Viral Systems

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

Viral Systems

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

Viral Systems

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

Cell Lines

Cell Line

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

Cell Lines Administered to Animals in Vivo

Yes
 No
 Yes
 Yes
 No
 Yes
 Yes

 Yes
 Yes
 Yes

Cell Lines

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

Microbial Agents

Name

[REDACTED]

Biosafety Level :

Meeting Notes :

Administered to Animals in Vivo

No

BSL2

This amendment adds three new [REDACTED]
[REDACTED] and updates the serotypes of three existing [REDACTED]
[REDACTED] associated with IACUC protocol.

Disposition

Votes For

Votes Against

Votes Abstain

Votes-Recuse

Approved With Contingencies	23	0	0	0
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Investigator :	Helen Piwnica-Worms
Document No. :	RM00000468-RN02_AM6
NIH Guidelines Category :	III-D-4-b.
Agents :	

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pDsRed	No
pCMV-VSV-G	No
pCA	No
pMLM3705	No
pCDNA	No
EJ2GFP-puro	No
pBR322	No
pLCR	No
pDEST pcDNA5/FRT/TO-eGFP	No
pHPRT-DRGFP	No
pEGFP	No
pDONR221	No
pcDNA5 FRT/T0-Flag	No
pCBASceI	No
pGEX-2T	No
pCAGGS-I-SceI-Trex2	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus (FUGW; pLenti6.3)	No	FUGW; pLenti6.3 (and its derivatives)
Lentivirus	No	pRSI16-U6-sh-13kCB18-HTS6-UbiC-TagRFP-2A-Puro
Lentivirus	No	lentiCRISPR v2
Lentivirus	No	pLV[Exp]-Neo-CMV
Lentivirus	No	pHAGE2
Lentivirus	Yes	pCMV-PHR'8.2; pRRL; pLKO.1; pCMV-dR8.91; pINDUCER20; pLenti6.3; FUGW and derivatives; pHAGE2; pSMPUW; p156RRL
Lentivirus	No	pLV[Exp]-Puro-TRE
Lentivirus	No	FUW (Lenti-Lox-Ubi)-OSKM
Retrovirus - Maloney murine leukemia virus type C	No	pIRES-CD4-RV and derivatives; pUMVC; pLUC-hTert; pBABE; pUMVC; pVSV-G
Lentivirus	No	FUGW
Retrovirus	No	pMKO.1
Lentivirus	No	pLenti-C-mGFP-P2A-Puro
Lentivirus	No	pcw107, pcw107-V5
Lentivirus	No	pSMPUW
Lentivirus	No	pLenti-C-Myc-DDK-P2A-Puro

Cell Lines

Cell Line

Colorectal Carcinoma (HCT 116)
Breast Cancer (Primary)
Kidney (Cos-7)
Embryonic Kidney (phoenix ecotropic, HEK293, N3S 293, HEK 293T)
Ovary (Sf9)
Fibroblasts
Epithelioid Carcinoma, Cervix (HeLa)
Breast Cancer (animal)
Breast (MCF10A)
Lymphoblast (Jurkat)
Fibroblasts
Hepatocytes
Breast Cancer
small intestine spheroid cells
Fibroblasts (NIH/3T3, MEF)

Cell Lines Administered to Animals in Vivo

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

Microbial Agents

Name

Eubacterium hallii
E. coli Stbl3
BDL085
BDL086
Anaerostipes cacae
BDL090
S17-1
E. coli DH5-alpha
Bifidobacterium longum
Faecalibacterium prausnitzii
Akkermansia muciniphilia
XL-10 Gold
E. coli One Shot Mach1
E. coli Nissle 1917
E. coli Nissle 1917 Δ ldhA
E. coli ccdB Survival 2 T1
E. coli Nissle 1917 Δ ldhA malEK: tesB-phaA-phaB
E. coli DH10B
E. coli NEB Stable
E.coli k-12

Administered to Animals in Vivo

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

Biosafety Level :

BSL2

Meeting Notes :

Added a new bacterial strain for in vivo administration.
Current IRB continuing review approval memo needs to be uploaded to the registration.

Disposition

Votes For

Votes Against

Votes Abstain

Votes-Recuse

Approved With
Contingencies

23

0

0

0

Investigator : Ronald A DePinho
Document No. : RM00000627-RN02_AM24
NIH Guidelines Category : III-D-4-a.
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pORF9	No
pBluescript KS(-), pBluescript II sk+	No
pCAG-pBase	No
pUC Ori vector (PX330, PX260, PX334)	No
pCMV, PCMV deltaR8.74, pCMV5, pCMV6	No
pGL4	No
pTTQ18 (pAKTaq)	No
pENTR223	No
pCDNA, pCDNA3, pCDNA3.1	No
pTRE-Tight	No
pMGL	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	NY-ESO-1 TCR, pLenti, pTomo, pCCL-cppt-PGK-WPRE
Lentivirus	No	pLV-CMV51-Halo-ARAF, R747-M61-663, pLenti, CRISPR/ Cas9, pLentiCRISPRv2, SMARTvector
Retrovirus	No	pBabe, pWZL, pMSCV, MSGV-1-1G4 backbone
Adenovirus-associated virus	No	rAAV-Syn-Tau-P301L
Lentivirus/ shRNA	No	pLX304-V5, pHAGE-EF1a, pLKO, pLKO.1, pRDA_174, pRDA_550, pLenti6.3, pLenti4, pLKO.3G, pHAGE, pLVX
Lentivirus/packaging virus	No	pRSV-Rev, pMD2.G, pMD-VSVG; pAX2

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Prostate cell lines derived from metastatic sites (DU145, LNCAP, PC3, PC3M, VCAP)	Yes
Colon cancer cell lines (iAP, iKAP, iTAP, iTKAP)	Yes
Pancreatic cancer cell lines (iKPC, KPC, iKPCC, iKPSCC, iKPPSCC, PPS)	Yes
Human endothelial cell lines	No
Embryonal kidney cell lines (293T, 293FT)	No
Colon cancer cell lines (HT-29, SW-480, HCT-116, CD34-/low KSL cells, CACO2, C2BBE1, WIDR, COLO320DM LOVO, LS174T, LS123, IEC-6, SW48, SW1417, SKCO-1, LS1034, T84, COLO205, 4T1, MC38, CMT93, DLD1))	Yes
Melanoma cell lines (M407, A375)	Yes
Prostate cancer cell lines (DX1, PPS, MSKPCa1, MSKPCa2, MSKPCa7)	Yes

Cell Lines

Mouse Embryotic Stem Cells	No
Lung derived from metastatic sites (e.g., H2052, H2B)	No
APOE3- & APOE4-iPSC-derived neurons and astrocytes	No
Pancreatic cancer cell lines (BxPC3, PK59, PATU8988T, MIAPaCA2, PANC1, ASPC1, HPAFII, SW1990, Panc10.05, Panc03.27, Panc08.13, Panc02.03, Panc02.13, Panc04.03, Panc05.04, PL45, Capan1, Hs766T, ZR751, DU145, LNCap, HT29, SW480, MEFs, DX1)	Yes
Fibroblast cell lines	No

Microbial Agents

Name	Administered to Animals in Vivo
HB101 E. coli	No
E. coli strain 1677	No
Biosafety Level :	BSL2
Meeting Notes :	Added a new IACUC protocol that uses multiple colon cancer cell lines. There is a microbial agent listed in ACUF needs to be added to the IBC registration.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	23	0	0	0

Investigator : Nicholas Short
Document No. : [RM00007931-RN00_AM2](#)
NIH Guidelines Category : III-C-1.
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 :	Updated protocol information to reflect the clinical product new name, TGFB2 KO CAR27/IL-15 NK Cells (K9). IRB most current approval memos need to be uploaded to the registration.

7. ADMINISTRATIVE MODIFICATIONS

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	23	0	0	0

Investigator : Mahmoud Gaballa
Document No. : [RM00008594-RN00_AM1](#)
NIH Guidelines Category :
Agents :

Microbial Agents

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

Yes
Yes
Yes
Yes
Yes
Yes
Yes
Yes
Yes
Yes
Yes
Yes

Biosafety Level :

BSL2

Meeting Notes :

Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	23	0	0	0

Investigator :

Cassian Yee

Document No. :

[RM00000378-RN02_AM13](#)

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name

[REDACTED]

Is Whole Animal Used as Host

No

Viral Systems

Virus System

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

Virus Administered to Animals

No
No
No
No
No
Yes
Yes
Yes
Yes
No

Backbones

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

Cell Lines

Cell Line

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

Cell Lines Administered to Animals in Vivo

Yes
Yes
No
Yes
No
No
No

Biosafety Level :

BSL2

Meeting Notes :

Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	23	0	0	0
Investigator :	Luigi Perelli			
Document No. :	RM00008252-RN00_AM13			
NIH Guidelines Category :				
Agents :				
Non Viral Systems				
Technical Name	Is Whole Animal Used as Host			
pCDNA	No			
Viral Systems				
Virus System	Virus Administered to Animals		Backbones	
Lentivirus	No		pSICO, pHAGE	
Lentivirus	No		pMD2.G, psPAX2, LentiCRISPR-V2	
Adeno-associated virus	Yes		pEMS2158	
Cell Lines				
Cell Line	Cell Lines Administered to Animals in Vivo			
GM25256 iPSC line	Yes			
iPSC	Yes			
NAMEC 8	Yes			
4t1	Yes			
4T07	Yes			
D2A1	Yes			
HMLER	Yes			
293 T helper cells	No			
PTEC	Yes			
Kidney cancer cells	No			
Brain cancer cells	No			
Microbial Agents				
Name	Administered to Animals in Vivo			
E. Coli [BL21, BL21star, BL-21 (A-1), HMS 174, Rosetta, and similar commercial strains]	No			
Biosafety Level :	BSL2			
Meeting Notes :	Personnel changes only.			

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	23	0	0	0
Investigator :	Jae-Il Park			
Document No. :	RM00006950-RN00_AM3			
NIH Guidelines Category :				
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

Lentivirus

Virus Administered to Animals

No

Backbones

pLenti-CRISPR

Lentivirus

No

pLenti

Cell Lines

Cell Line

293T

Cell Lines Administered to Animals in Vivo

No

Murine SCLC cells

Yes

Microbial Agents

Name

E.coli

Administered to Animals in Vivo

No

Biosafety Level :

BSL2

Meeting Notes :

Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	23	0	0	0

Investigator :

Jae-II Park

Document No. :

[RM00000581-RN02_AM5](#)

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name

pcDNA3.1(-)

Is Whole Animal Used as Host

No

iTracer-perturb (EPR #351)

No

Viral Systems

Virus System

Adenovirus_CMV

Virus Administered to Animals

Yes

Backbones

pAd/CMV/V5-DEST

Adenovirus (animal)

Yes

Cre, Cas9, sgRNAs

Lentivirus_GOF

Yes

pLenti-puro

Adenovirus-CRISPR

No

Cre, Cas9, sgRNAs

Lentivirus-CRISPR

Yes

pLenti-CRISPR/Cas9

Cell Lines

Cell Line

intestinal epithelial cell lines (normal and cancer)

Yes

Esophageal squamous cell cancer (ESCC) - PDX/PDO

Yes

Gastric cell lines (normal and cancer)

No

Lung cancer cell lines

Yes

Esophageal organoids (derived from lab mice)

Yes

Esophageal squamous cell cancer (ESCC) cell lines - human

Yes

Intestinal crypt organoids (derived from lab mice)

No

Esophageal organoids (derived from lab rat)

Yes

Lung cancer cell lines (derived from KrasG12D and Trp53 knock-out)

Yes

293T for packaging

No

Esophageal squamous cell cancer (ESCC) cell lines - mouse

Yes

Small cell lung cancer (SCLC) - PDX/PDO

Yes

Microbial Agents**Name**

E.Coli Stbl3

Administered to Animals in Vivo

No

Biosafety Level :

BSL2

Meeting Notes :

Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	23	0	0	0

Investigator :

Kristen Pauken

Document No. :

[RM00006570-RN00_AM26](#)

NIH Guidelines Category :

Agents :

Non Viral Systems**Technical Name**

Cre-Mscarlet-pRpl18-4x MirT

Is Whole Animal Used as Host

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

Cell Lines

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	23	0	0	0
Investigator :	Rugang Zhang			
Document No. :	RM00006491-RN00_AM9			
NIH Guidelines Category :				
Agents :				

Viral Systems

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

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
High Grade Serous Ovarian Cancer (OVCAR3, OVCAR4, OVCAR5, OVCAR8, OVCAR10, A1847, PEO1, PEO4, KURAMUCHI, CAOV3)	No
Ovarian Cancer (BPPNM, PPNM, BPCA, SPCA, KPCA, HGS2, ID8, UPK10)	Yes
HEK293T/293T	No
Cancer Associated Mesenchymal Stem Cells	Yes
Cancer associated Mesenchymal stem cells	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E. Coli (DH5a)	No
Biosafety Level :	BSL2

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	23	0	0	0

Investigator :

Raghu Kalluri

Document No. :

[RM00000518-RN02_AM76](#)

NIH Guidelines Category :

Agents :

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

472997: pD2528-CMV-472997

No

pCMV/SB10

No

mouse Tgfr2 donor plasmid

No

PGC1a flag

No

Flag-P53/pRK5

No

pCMV4a-Flag-c-Myc

No

Perk WT

No

pD2528-CMV_QHD43416.1_C-trunc

No

GFP-p53

No

pCMV14-3X-Flag-SARS-CoV-2 S

No

pEGFP-AGO2

No

pcDNA3-RLUC-POLIOIRES-FLUC

No

 α SMA-TK

No

mPlum-C1

No

pJKR-H-tetR

No

pD2529-CMV-ACE2_human

No

mouse Gpc1 donor plasmid

No

pPAmCherry1-C1

No

pCMV3-mFCGR2B-t1

No

pD2528-CMV-P.1 Spike Protein

No

nCov-1 nCov-2P-F3CH2S

No

pcDNA3-YFP

No

pCMV6-CD63-GFP

No

pcDNA3.3_mCherry

No

CMV T II Pet 28 Clone

No

tdTomato-C1

No

499328: pD2528-CMV-472997

No

pCMV3-mTNFSF9

No

pDsRed Express 1

No

pMetLuc-Mem Control

No

pFLAG CMV 6A Clones 1-5

No

pCI neo-hEST2-globin mRNA vector

No

pD2528-CMV:499328

No

pT2/Onc

No

pCMV6-Entry

No

pEGFP-n1-APP

No

MCX K11Fl PC BFT

No

pCAG-T7pol

No

Non Viral Systems

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
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

Non Viral Systems

pSpCas9(BB)-2A-GFP (PX458)	No
Oct4 KLF4 Sox2 c-Myc	No
mCherry-CD9-10	No
mouse Pdcd1lg2 donor plasmid	No
EBFP2-C1	No
pcDNA3.1-CMV-CFP;UBC-Cre25nt	No
pD2528-CMV-QHD43416.1	No
pQC membrane Tdtomato IX	No
Zeb1	No
pIRES2-EGFP-p53 WT	No
pD2528-CMV_RBD-TwinStrep-VSV-G_TM_Chimera	No
pCMV3-CD80	No
pD2529-CMV	No
GGT-SV40	No
pCep. PU	No
pD2528-CMV-B.1.1.526	No
Human GPC-1 overexpression plasmid	No
SARS-CoV-2 spike protein mRNA	Yes
pMetR-ACE2ecto	No
pD2528-CMV-IVT mRNA vector	No
FSP1-GFP	No
pcDNA3 LIC cloning vector	No
T7 PelB His6	No
PresentER-SIINFEKL (GFP)	No
mCherry-CD81-10	No
PDGFRB-TK –TOPO 11	No
C2 CANSTATIN pc BFT midi	No
pBS18	No
pCMV/SB11	No
pD2528-CMV	No
mCherry-Tsg101	No
pCMV3-CD40LG	No
pT3-N90-beta-catenin	Yes
MtPT4-eGFP	Yes
SB100X in pCAG globin pA	Yes
pT3-EF1A-MYC-IRES-luc	Yes
Perk K618A	No
pD2528-CMV_QHD43416.1_C-trunc-VSV-G-tm	No
ACE2-mFc	No
pCMVTag4-Dicer	No
pD2538-CMV-mVEGF	No
pCAG-mGFP	No
pRP[Exp]-Mouse Colla2 promoter	No
pRP[Exp]-Stuffer>luciferase	No
pGL4.75[hRluc/CMV] Promoter	No
pGL4.24 [luc2P/minP]	No
pGL4 [luc2P/COLA1A/Hygro]	No

Non Viral Systems

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

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pDual-ACE2, pCMV-VSV-G, psPAX2
Lentivirus Particles	Yes	CRISPR-Cas9-sgVHL, CRISPR-Cas9, pLenti CMV/TO SV 40 small + Large T (w612-1), pLenti-C-mGFP-P2A-Puro, LentiCas9-Blast Plasmid, pLKO.1-puro, CMV-Bsd-CFP
Baculovirus	No	pCMV-Dest
Simian immunodeficiency virus (SIV)	No	pSIV3, pCMV-VSV-G, psPAX2, pCMV-Luc2-IRES-mCherry, pcDNA3-spike expression
Recombinant vesicular stomatitis virus	Yes	pBS-N-ΦT, pVSV-ΔG-GFP, pVSV-ΔG-Luciferase, pBS-L-ΦT, pCAGGS-G, pcDNA-FLAG-VSVG, pBS-P-ΦT, pD2528-CMV-C.37 Spike Protein, pCMV14-3X-Flag-SARS-CoV-2 S, pD2528-CMV-B.1.617.2 Spike Protein, pD2528-CMV_QHD43416.1_C-trunc
Lentivirus	No	Human CRISPR Knockout Pooled Library (GeCKO v2), Toronto KnockOut (TKO) CRISPR Library - Version 3

Viral Systems

Adenoassociated virus (AAV)	No	AAV9-mCldn5-o4-shRNA and AAV9-anti-luc-control-shRNA
Adenovirus	Yes	Premade Adenovirus with ORF of claudin 5 (CLDN5), transcript variant 2 with C terminal Flag and His tag, AD-CMV-Luc, pAD-RFP
Lentivirus	Yes	pLKO, pLenti, pTRIPZ, pSP-108, GFP-Luc, pcw-Cas9, pLVX-td Tomato-C1, psPAX2, MD2G, pLVX-TRE3G, CRISPR-Cas9, CRISPR-Cas9-sgVHL, Human shRNA GPC-1 shRNA construct #1-4, CMV-DsRed 3
Recombinant vesicular stomatitis virus	Yes	pBS-N-ΦT, pVSV-ΔG-GFP, pVSV-ΔG-Luciferase, pBS-L-ΦT, pCAGGS-G, pCAGGS-G, pcDNA-FLAG-VSVG, pBS-P-ΦT, pcDNA3-SARS-CoV-2-RBD-8his, pD2528-CMV-B.1.351 Spike protein, pD2528-CMV_B.1.1.526, pD2528-CMV-P.1 Spike Protein, pD2528-CMV-QHD43416.1
Lentivirus	No	CD19-CD28-CD3z-T2A-tEGFR, pHAGE PGK-GFP-IRES-LUC-W, tet-pLKO-puro shScramble, pCW57.1 shAgrin, pCW57.1 shScramble, pLVX puro CD63-GFP, TetO FUW OSKM, TetO-FUW-pgk-puro, pLV-hTERT-IRES-hygro, pLVX-Tight-Puro-KrasG12D2B, p-VSV-G, psPAX2
Retrovirus	No	pBabe, pHIT60, pWZI, pLPC, pMSCV, pLNCX, pRS, pRFP-C-RS, pGFP-V-RS, pUMVC, pBabe-KrasG12D, pLNCX2Scrib, pLPC-scribP305L
Lentivirus	No	pCT-CD63-GFP, CMV-hTERT, pLenti-P3A, pLenti-P3B, pLenti-P3C, pLenti-pHluorin_M153R-CD63, pLenti CMV Blast dest, F-Luc/mcherry, pHAGE-BRAF-V600E, PLX302 Luciferase-V5 puro
Lentivirus	Yes	Trp53 donor plasmid, Negative Scramble, gRNA, Scramble Negative, E1a-EGFP-Cre; gRNA Pcd11g2, Tgfbr2, Smad4, Gpc1, Gpc1(hu), CD274 target #1 gene knockout plasmid, gRNA Pcd11g2, 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-

Viral Systems

Lentivirus	Yes	FLPO pCMV-VSV-G, pLentiCRISPRv2, LV/Cas9-Claudin2-sgRNA1,2, LV/Cas9-Claudin10-sgRNA1,2 EGFP gRN, lenti-CRISPR-Cas9-GFP vector, ITR-U6-sgRNA(Kras)-U6-sgRNA(p53)-U6-sgRNA(APC)-pEFS-Rluc-2A-Cre-shortPA-KrasG12D_HDRdonor-ITR (AAV-KPL) vector
Adenoassociated virus (AAV)	No	AAV control, AAV ATDC, AAV CEACAM, AAV CTSE, AAV KLK10 or AAV KTLTP
Lentivirus	No	pMD2.G, psPAX2, pRDA_550_CHRNA4gRNA, pRDA_550_SERPINB14gRNA, pRDA_550_FCGBPgRNA, pRDA_550_PCNAgRNA

Cell Lines

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

Microbial Agents

Bacteroides thetaiotaomicron

Yes

E.coli k-12

No

Biosafety Level :

BSL2

Meeting Notes :

Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	23	0	0	0

Investigator :

Susan Bullman

Document No. :

[RM00007970-RN00_AM15](#)

NIH Guidelines Category :

Agents :

Viral Systems

Virus System

Virus Administered to Animals

Backbones

Lentivirus

No

psPAX2

Lentivirus

No

pMD2.G

Retroviral

No

pMP71

Cell Lines

Cell Line

Cell Lines Administered to Animals in Vivo

Murine oral keratinocytes

Yes

Colon cancer- luciferase/GFP dual-labeled

Yes

Colon Cancer

Yes

Colon cancer- EGFP labeled and Thy1.1 expressing

Yes

Colon cancer- dTomato and SrtA expressing

Yes

Colon Cancer

Yes

Colon cancer- luciferase/td Tomato dual-labeled

Yes

Colon cancer- luc labeled

Yes

Breast Cancer

Yes

Human embryonic kidney cells

No

Pancreatic cancer

Yes

Renal adenocarcinoma

Yes

Ovarian Cancer

Yes

Mouse melanoma

Yes

Oral Squamous Cell Carcinoma

Yes

Lung carcinoma

Yes

Mammary adenocarcinoma cell line

Yes

Anti-Fusobacterium CAR-M monocytes

Yes

Microbial Agents

Name

Administered to Animals in Vivo

Prevotella intermedia

No

Fusobacterium strain SB010 delta pocR (isogenic mutant)

Yes

Fusobacterium strain SB010 delta eutB/pduC (isogenic mutant)

Yes

Fusobacterium strain SB010 delta gadB (isogenic mutant)

Yes

Fusobacterium strain SB048

Yes

Fusobacterium strain SB010 anti-PD-L1+

Yes

Fusobacterium strain SB030

Yes

Microbial Agents

Selenomas ATCC 35185	Yes
Fusobacterium strain SB002-pFnLux	Yes
Fusobacterium strain SB010 anti-CTLA4+	Yes
Fusobacterium strain KCOM 3363	Yes
Fusobacterium strain KCOM 3764	Yes
Fusobacterium strain SB010 anti-PD-L1+/anti-CTLA4+	Yes
Cutibacterium acnes	No
Bacteroides fragilis	Yes
Fusobacterium sphericum	No
Fusobacterium necrophorum	No
Fusobacterium varium	No
Fusobacterium ulcerans	No
Fusobacterium periodonticum	No
Fusobacterium hominis	No
Gemella species	No
Escherichia coli ATCC 25922	No
Fusobacterium strain SB010 delta eutB (isogenic mutant)	Yes
Fusobacterium strain SB010	Yes
Salmonella VNP20009	Yes
Escherichia coli Nissle 1917 (EcN)	Yes
Fusobacterium strain SB010 delta eutVW (isogenic mutant)	Yes
Fusobacterium strain SB010 pVoPo-01	Yes
Fusobacterium strain SB010 anti-CD40+	Yes
Fusobacterium strain SB010 anti-CD47+	Yes
Fusobacterium strain SB010-pFnLux	Yes
Bacteroides fragilis strain CTX25T	Yes
Prevotella intermedia strain 107CP	Yes
Porphyromonas asaccharolytica strain 115CP	Yes
Fusobacterium strain SB010 Tn-Library	Yes
Parvimonas micra	No
Fusobacterium strain SB010 delta pduC (isogenic mutant)	Yes
Fusobacterium strain SB010 delta mfnI (isogenic mutant)	Yes
Fusobacterium strain SB001	Yes
Fusobacterium strain SB002	Yes
Fusobacterium necrophorum strain 107LM	Yes
Bacteroides fragilis strain 106LM	Yes
Bacteroides fragilis strain 107LM	Yes
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	23	0	0	0
Investigator :	Giannicola Genovese			
Document No. :	RM00003694-RN01_AM7			
NIH Guidelines Category :				
Agents :				

Non Viral Systems**Technical Name**

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

Is Whole Animal Used as Host

No
No
No
No
No
No
No

Viral Systems**Virus System**

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

Virus Administered to Animals

Yes
No

No

Yes

Backbones

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

[REDACTED]

Yes

Cell Lines**Cell Line**

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

Cell Lines Administered to Animals in Vivo

Yes
No
Yes
Yes
No
Yes

Microbial Agents**Name**

[REDACTED]

Administered to Animals in Vivo

No

Biosafety Level :

BSL2

Meeting Notes :

Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	23	0	0	0

Investigator :

Peter Grace

Document No. :

[RM00003601-RN01_AM17](#)

NIH Guidelines Category :

Agents :

Non Viral Systems**Technical Name**

pcDNA3.1
pGL4.32
pFlag-CMV

Is Whole Animal Used as Host

No
No
No

Non Viral Systems

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	23	0	0	0
Investigator :	Jae-II Park			
Document No. :	RM00001309-RN02_AM1			
NIH Guidelines Category :				
Agents :				

Viral Systems

Virus System	Virus Administered to Animals	Backbones
adenovirus	Yes	pAd/CMV/DEST
lentivirus	Yes	pLenti

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
HEK293 -human embryonic kidney 293 cells	No
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	23	0	0	0
Investigator :	Xiao Zhao			
Document No. :	RM00007174-RN00_AM5			

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name

AurKB-Chr8XF #1

AurKB-Chr7ZF #1

Is Whole Animal Used as Host

No

No

Viral Systems

Virus System

Lentivirus

Lentivirus

Lentivirus

Virus Administered to Animals

No

No

No

Backbones

pHAGE-KNL1S24AS60A-dCas9-blast,

pLENTI FE

pCDH-CMV-MCS-EF1 α -Neo

Cell Lines

Cell Line

hTERT normal oral epithelial cell line

Oral cancer

Biosafety Level :

Meeting Notes :

Cell Lines Administered to Animals in Vivo

Yes

Yes

BSL2

Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	23	0	0	0

Investigator :

Jae-Il Park

Document No. :

[RM00006795-RN00_AM2](#)

NIH Guidelines Category :

Agents :

Viral Systems

Virus System

Adenovirus

Lentivirus

Lentivirus

Virus Administered to Animals

Yes

No

No

Backbones

ViraPower (Invitrogen)

pLenti

pLenti-CSIRPR

Cell Lines

Cell Line

Lung cancer cell lines

Cell Lines Administered to Animals in Vivo

No

Microbial Agents

Name

E.coli - stb13

Biosafety Level :

Meeting Notes :

Administered to Animals in Vivo

No

BSL2

Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	23	0	0	0

Investigator :

Mahmoud Gaballa

Document No. :

[RM00007644-RN00_AM1](#)

NIH Guidelines Category :

Agents :

Viral Systems

Virus System

Virus Administered to Animals

Backbones

Viral Systems

No

Cell Lines

Cell Line

Cell Lines Administered to Animals in Vivo

No

Biosafety Level :

BSL2

Meeting Notes :

Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	23	0	0	0

Investigator :

Nitin Jain

Document No. :

[RM00006693-RN00_AM3](#)

NIH Guidelines Category :

Agents :

Viral Systems

Virus System

Virus Administered to Animals

Backbones

Retrovirus

No

Murine gamma retrovirus

Cell Lines

Cell Line

Cell Lines Administered to Animals in Vivo

Autologous Primary Human T Cells

No

Biosafety Level :

BSL2

Meeting Notes :

Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	23	0	0	0

Investigator :

Kristen Pauken

Document No. :

[TA00006318-RN00_AM24](#)

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 :

BSL2

Meeting Notes :

Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	23	0	0	0

Investigator :

Xiling Shen

Document No. :

[RM00007541-RN00_AM15](#)

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name

Is Whole Animal Used as Host

pcDNA3

No

pEGFP

No

Viral Systems

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

Cell Lines

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

Microbial Agents

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

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	23	0	0	0
Investigator :	Marie-Claude Hofmann			
Document No. :	RM00003315-RN01_AM6			
NIH Guidelines Category :				
Agents :				

Non Viral Systems

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

Viral Systems

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

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
anaplastic thyroid cancer 8505C cells	Yes
papillary thyroid cancer KTC1 cells	Yes

Cell Lines

papillary thyroid cancer KTC1-VA7 cells	Yes
mouse wild type blastocysts	No
anaplastic thyroid cancer U-Hth83	Yes
papillary thyroid cancer BCPAP cells	Yes
HEK293T cells, human embryonic kidney cells	No
anaplastic thyroid cancer SW1736 cells	Yes
mouse thyroid cancer cell lines	Yes
papillary thyroid cancer FNA001 cells	Yes
papillary thyroid cancer MDA-T68 cells	Yes
medullary thyroid cancer cells (TT cells)	Yes
Papillary thyroid cancer MDA-T85 cells	Yes
papillary thyroid cancer K2 cells	Yes

Microbial Agents

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

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	23	0	0	0

Investigator : Michael Kim
Document No. : [RM00002360-RN01_AM4](#)
NIH Guidelines Category :
Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Adeno-associated virus	Yes	Ad-GFP-RGD, DELTA-24-RGD
Lentivirus	No	pGIPZ

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Pancreatic cancer	Yes
Human pancreatic cell line	No
293T- human embryonic kidney 293 cells	No
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	23	0	0	0

Investigator : Jae-Il Park
Document No. : [RM00008001-RN00_AM2](#)
NIH Guidelines Category :
Agents :

Non Viral Systems

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

Non Viral Systems

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
Human esophageal cells, including organoids	Yes
Murine esophageal epithelial cells (isolated from C57BL/6 mice)	Yes
293T cells	No
Murine gastric cancer cells (isolated from C57BL/6 mice)	Yes
Human gastric cancer cells	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E.coli Stbl3/4	No
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	23	0	0	0

Investigator : Xiling Shen
Document No. : [RM00007541-RN00_AM16](#)
NIH Guidelines Category :
Agents :

Non Viral Systems

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

Viral Systems

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

Cell Lines

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

Cell Lines

PBMC No
Colon cell line Yes

Microbial Agents

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

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	23	0	0	0

Investigator : Hind Rafei
Document No. : [RM00009022-RN00_AM1](#)
NIH Guidelines Category :
Agents :

Non Viral Systems

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

Viral Systems

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

Cell Lines

Cell Line **Cell Lines Administered to Animals in Vivo**
Human pancreatic stellate cells (hPSCs) Yes
Normal fibroblasts Yes
Normal fibroblasts Yes
cancer-associated fibroblasts Yes
293T ((Human embryonic kidney-derived cell line commonly used for viral production and packaging)) No
human primary cells - Peripheral blood mononuclear cells Yes
293GP (Human embryonic kidney-derived cell line commonly used for viral production and packaging) No
Patient-derived kidney cancer organoids Yes
PDX-derived kidney cancer cells Yes
kidney cancer Yes
cancer-associated fibroblasts Yes
Biosafety Level : BSL2
Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	23	0	0	0

Investigator : Uday R Popat
Document No. : [RM00006525-RN00_AM1](#)
NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name

pNVVD052

Is Whole Animal Used as Host

No

Cell Lines

Cell Line

Human peripheral blood mononuclear cells

Cell Lines Administered to Animals in Vivo

No

Biosafety Level :

BSL2

Meeting Notes :

Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	23	0	0	0

Investigator :

Xiling Shen

Document No. :

[RM00007541-RN00_AM14](#)

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name

pcDNA3

Is Whole Animal Used as Host

No

pEGFP

No

Viral Systems

Virus System

Lentivirus

Virus Administered to Animals

No

AAV8

Yes

Lentivirus

No

Cell Lines

Cell Line

Colon

Cell Lines Administered to Animals in Vivo

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

E.coli DH5alpha

Administered to Animals in Vivo

No

Biosafety Level :

BSL2

Meeting Notes :

Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	23	0	0	0

Investigator :

Jae-Il Park

Document No. : [RM00006950-RN00_AM4](#)

NIH Guidelines Category :

Agents :

Non Viral Systems

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

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

Cell Line	Cell Lines Administered to Animals in Vivo
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293T	No
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Murine SCLC cells	Yes
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Microbial Agents

Name	Administered to Animals in Vivo
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E.coli	No
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Biosafety Level : BSL2

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	23	0	0	0

Investigator : Jihye Yun

Document No. : [RM00005986-RN00_AM24](#)

NIH Guidelines Category :

Agents :

Non Viral Systems

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

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

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

colon cancer No

Microbial Agents

Name	Administered to Animals in Vivo
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E.coli (K-12, DH-5, Nissle 1917)	Yes
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Marvinbryantia formatexigens	Yes
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Ruminococcaceae	Yes
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Lachnospiraceae	Yes
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Eubacterium rectale	Yes
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Faecalibacterium	Yes
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ASF356 (Clostridium propionicum)	Yes
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Roseburia	Yes
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Human feces	Yes
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Gut microbiota from MDA animal facility	Yes
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Alistipes spp.	Yes
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Biosafety Level : BSL2

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	23	0	0	0

Investigator : Shabnam Shalapour

Document No. : [RM00008242-RN00_AM2](#)

NIH Guidelines Category :

Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
adenovirus (AAV8)	Yes	AAV.TBG.PI.Cre.rBG plasmid DNA.
adenovirus (AAV6)	Yes	AAV-Cre (AAV serotype 6) vector Biolabs, 7013

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
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Hepatocytes isolated	Yes
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T cells isolated	Yes
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B cells isolated	Yes
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Biosafety Level : BSL2

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	23	0	0	0

Investigator : Xi Chen

Document No. : [RM00007378-RN00_AM13](#)

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
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pGL3 basic	No
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pcDNA3.1	No
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Non Viral Systems

pFlag No

pHA No

Viral Systems

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

Viral Systems

Lentivirus	No	pLKO.1
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Cell Lines**Cell Line****Cell Lines Administered to Animals in Vivo**

Pancreatic cancer	Yes
Breast cancer	Yes
293T cells	No
Pancreatic Cancer	Yes
Lung Cancer	Yes
Colon cancer: LS411N	Yes
Colon cancer: CT26	Yes
Colon cancer: SNU-C2B	Yes
Breast Cancer	Yes
Lung cancer	Yes

Microbial Agents**Name****Administered to Animals in Vivo**

E.coli (DH5a)	No
E.coli (Stbl3)	No
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	23	0	0	0

Investigator :	William Matsui
Document No. :	RM00008895-RN00_AM1
NIH Guidelines Category :	
Agents :	

Viral Systems**Virus System****Virus Administered to Animals****Backbones**

lentivirus	No	pHR-traditional CAR (anti-CD19); pHR-EF1Alpha-puro-T2A-Tet-on 3G-TRE3G-Ascl1; U6-sgH11-Cas9-Blast; PGH020 sgP53; pLVX-IRES-ZsGreen1; pINDUCER21; pINDUCER22
RETROVIRUS	No	MSGV1-1D3-28Z All ITAMs intact; MSGV1-1D3-28Z.1-3 mut
lentivirus	No	pLKO-Tet-On; pLKO-Tet-on-Scr; pLKO-Tet-on-shLuc; pLKO.1 mCherry; pLKO.1-blast; TetO-FUW-NICD; TetOn-shEREG; TetOn-shScramble
lentivirus	No	pCW-Cas9; pKras(G12V)-pcw107; Luciferase-pcw107
RETROVIRUS	No	pMIG-FLAG-MLL-AF9; pMIG empty vector
lentivirus	No	lentiCas9-Blast; lentiGuide-Puro
RETROVIRUS	No	MSCV-IRES-GFP; pEF1-anti-human mesothelin-eGFP; MSCV-anti-mesothelin-control HisTag; MSCV-anti-mesothelin-anti-EREG- HisTag; pMSCV-IRES-GFP; pMSCV-Flag-hsox2; MSCV-

Viral Systems

		anti-Mesothelin-eGFP; MSCV-anti-Mesothelin-mTagBFP2; MSCV-anti-hCD19-eGFP
lentivirus	No	pSLIK-R132H-FLAG; pSLIK-Hygro; pSLIK-IDH1-FLAG
RETROVIRUS	No	Integrin Beta6 pBABE puro; pBabe-N-Ras61K; pBabe-K-RasG12D
lentivirus	No	LentiCRISPR V2; TLCV2; LentiCRISPRv2-mCherry
lentivirus	No	pHIV-Luc-ZsGreen
lentivirus	No	CRE reporter lentiviral vector
lentivirus	No	pCDH-EF1-Luc2-P2A-tdTomato; pCDH-EF1-mVenus-p27K-
lentivirus	No	pEF1-hCD19-dTomato-luc2; pEF1-p27k-mVenus
lentivirus	No	pLenti-CMVtight-eGFP-blast; Plenti.PGK.blast-Renilla_Luciferase; pLenti-sgRNA-Lib; pLenti 6/V5-p53-wtp53(human p53 with a C-terminal V5 tag); pLenti6.2-Renilla-ccdB; PGK-p27k-rTta3-TRE3G-lsmCherry

Cell Lines

Cell Line

murine pancreatic cancer
Murine myeloma
PBMC
293T
pancreatic cancer
myeloma

Cell Lines Administered to Animals in Vivo

No
No
No
No
No
No

Biosafety Level :

BSL2

Meeting Notes :

Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	23	0	0	0

Investigator :

Humam N Kadara

Document No. :

[RM00003627-RN01_AM16](#)

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name

CD24 HDR plasmid (non-viral, co-transfected for puromycin selection)
Control CRISPR/Cas9 Plasmid
CD24 CRISPR/Cas9 Knockout (KO) plasmid (guide RNA)

Is Whole Animal Used as Host

No
No
No

Viral Systems

Virus System

Adeno-associated virus serotype 6
Adeno-associated virus serotype 5
adenovirus Ad5mSPC-Cre-eGFP

Virus Administered to Animals

Yes
Yes
Yes

Backbones

Recombinant AAV
Recombinant AAV
pacAd5(9.2-100)sub360 viral backbone

Viral Systems

adeno associated virus	Yes	sc-CMV
Lentivirus	No	pGIPZ
adenovirus Ad5mSPC-nteGFP	Yes	pacAd5(9.2-100)sub360 viral backbone
adenovirus Ad5mSPC-FLPo	Yes	pacAd5(9.2-100)sub360 viral backbone.
adenovirus Ad5CMVFLPO	Yes	pacAd5(9.2-100)sub360 viral backbone
Lentivirus	No	pLenti CMV V5-LUC
Ad5-hK14/Bgi-Cre	Yes	pacAd5(9.2-100)sub360 viral backbone

Cell Lines

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

Microbial Agents

Name	Administered to Animals in Vivo
Influenza A	Yes
Sendai virus	Yes
DH5a cells	No
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	23	0	0	0

Investigator : Hind Rafei
Document No. : [RM00008813-RN00_AM4](#)
NIH Guidelines Category :
Agents :

Non Viral Systems

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

Viral Systems

Virus System	Virus Administered to Animals	Backbones
RETROVIRUS	No	pRetro

retrovirus	No	SFG
lentivirus	No	pHAGE - HIV-1 based backbone (2nd generation lentivirus)

Cell Lines Administered to Animals in Vivo

Human pancreatic stellate cells (hPSCs)	Yes
Normal fibroblasts	Yes
Normal fibroblasts	Yes
cancer-associated fibroblasts	Yes
293T	No
human primary cells - Peripheral blood mononuclear cells	Yes
293GP	No
Patient-derived kidney cancer organoids	Yes
PDX-derived kidney cancer cells	Yes
kidney cancer	Yes
cancer-associated fibroblasts	Yes

BSL2

Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	23	0	0	0

Giannicola Genovese

RM00003694-RN01 AM8

Agents :

Technical Name

Is Whole Animal Used as Host

Category	Percentage
No	10%
No	20%
No	30%
No	10%
No	10%
No	30%
No	20%

Virus System

Virus Administered to Animals

Backbones

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

Cell Lines

Cell Line

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

Cell Lines Administered to Animals in Vivo

Yes
No
Yes
Yes
No
Yes

Microbial Agents

Name

[REDACTED]

Administered to Animals in Vivo

No

Biosafety Level :

BSL2

Meeting Notes :

Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	23	0	0	0

Investigator :

Jae-Il Park

Document No. :

[RM00000581-RN02_AM4](#)

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name

pcDNA3.1(-)
iTracer-perturb (EPR #351)

Is Whole Animal Used as Host

No
No

Viral Systems

Virus System

Adenovirus_CMV
Adenovirus (animal)
Lentivirus_GOF
Adenovirus-CRISPR
Lentivirus-CRISPR

Virus Administered to Animals

Yes
Yes
Yes
No
Yes

Backbones

pAd/CMV/V5-DEST
Cre, Cas9, sgRNAs
pLenti-puro
Cre, Cas9, sgRNAs
pLenti-CRISPR/Cas9

Cell Lines

Cell Line

intestinal epithelial cell lines (normal and cancer)
Esophageal squamous cell cancer (ESCC) - PDX/PDO
Gastric cell lines (normal and cancer)
Lung cancer cell lines
Esophageal organoids (derived from lab mice)
Esophageal squamous cell cancer (ESCC) cell lines - human
Intestinal crypt organoids (derived from lab mice)
Esophageal organoids (derived from lab rat)
Lung cancer cell lines (derived from KrasG12D and Trp53 knock-out)
293T for packaging
Esophageal squamous cell cancer (ESCC) cell lines - mouse
Small cell lung cancer (SCLC) - PDX/PDO

Cell Lines Administered to Animals in Vivo

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

Microbial Agents**Name**

E.Coli Stbl3

Administered to Animals in Vivo

No

Biosafety Level :

BSL2

Meeting Notes :

Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	23	0	0	0

Investigator :

Ecaterina Ileana Dumbrava

Document No. :

[RM00007296-RN00_AM5](#)

NIH Guidelines Category :

Agents :

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

No

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

No

Biosafety Level :

BSL2

Meeting Notes :

Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	23	0	0	0

Investigator :

Christopher Johnston

Document No. :

[RM00007966-RN00_AM7](#)

NIH Guidelines Category :

Agents :

Non Viral Systems**Technical Name**

pVoPo-GFP

No

pVoPo-mCh

No

pHS30

No

pHS30-NB.PDL1

No

pHS30-NB.CTLA4

No

pUC19

No

pBRESP36A

No

pCasSA

No

pHS30-N.B.CD40

No

pHS30-N.B.CD47

No

pBDL531

No

pWO

No

pBDL532

No

pFnLux

No

pBDL533

No

pWO_SynMC

No

pBDL534

No

pEPSA5

No

Non Viral Systems

pHS30-Cas No

Cell Lines**Cell Line**

Colon cancer No

Colon cancer No

Microbial Agents**Name****Administered to Animals in Vivo**

Prevotella intermedia No

Parvimonas micra No

Escherichia coli No

Escherichia coli DH5alpha No

Escherichia coli WM6026 No

Escherichia coli BW25141 No

Escherichia coli Tuner DE3 No

Akkermansia muciniphila MDA JAX-AM001 No

Akkermansia muciniphila ATCC BAA-835 No

Fusobacterium strain SB010 pFnLux No

Staphylococcus No

Escherichia coli Nissle 1917 (EcN) No

Salmonella VNP20009 No

Fusobacterium No

Biosafety Level : BSL2

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	23	0	0	0

Investigator : Sattva S Neelapu

Document No. : [RM00000070-RN02_AM9](#)

NIH Guidelines Category :

Agents :

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

[REDACTED] No

[REDACTED] No

Viral Systems**Virus System****Virus Administered to Animals****Backbones**

[REDACTED] No

[REDACTED] No

[REDACTED] No

[REDACTED] No

[REDACTED] Yes

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

[REDACTED] Yes

Cell Lines

	Yes
	No
	Yes
	No
	Yes
	Yes
	Yes

Microbial Agents

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

8. ANNUAL REVIEWS

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

Investigator :	Timothy Thompson
Document No. :	RM00000539-RN02_AR002
Investigator :	Paul A Scheet
Document No. :	RM00004731-RN01_AR001
Investigator :	Mahmoud Gaballa
Document No. :	RM00007644-RN00_AR002
Investigator :	Vidya Gopalakrishnan
Document No. :	RM00000443-RN02_AR004
Investigator :	Pavlos Msaouel
Document No. :	RM00008300-RN00_AR001
Investigator :	Ashish Kamat
Document No. :	RM00005902-RN00_AR004
Investigator :	Zhibin Zhang
Document No. :	RM00005968-RN00_AR004
Investigator :	Matthew Gubin
Document No. :	RM00003908-RN01_AR002
Investigator :	Ferdinandos Skoulidis
Document No. :	RM00001746-RN01_AR004
Investigator :	Zhizhong Z Pan
Document No. :	RM00000342-RN02_AR004
Investigator :	Xiaodong Cheng
Document No. :	RM00002655-RN01_AR004
Investigator :	Samer Srouer
Document No. :	RM00006358-RN00_AR003
Investigator :	Krina Patel
Document No. :	RM00006017-RN00_AR004

Investigator : Dejka Marida Araujo
Document No. : [RM00003851-RN01_AR002](#)

Investigator : Min Sup Song
Document No. : [RM00000466-RN02_AR003](#)

Investigator : Gohar Manzar
Document No. : [RM00008222-RN00_AR001](#)

Investigator : Patrick P Lin
Document No. : [RM00000642-RN02_AR002](#)

Investigator : Di Zhao
Document No. : [RM00003982-RN01_AR002](#)

Investigator : Peiman Habibollahi
Document No. : [RM00007660-RN00_AR002](#)

Investigator : Hojong Yoon
Document No. : [RM00008095-RN00_AR001](#)

Investigator : Eleonora Dondossola
Document No. : [RM00006800-RN00_AR003](#)

Investigator : Blaine Bartholomew
Document No. : [RM00003935-RN01_AR002](#)

Investigator : Uday R Popat
Document No. : [RM00006525-RN00_AR003](#)

Investigator : Gabriel Pagnotti
Document No. : [RM00008040-RN00_AR001](#)

Investigator : Francois Villinger
Document No. : [RM00008244-RN00_AR001](#)

Investigator : Carolyn Hodo
Document No. : [RM00008189-RN00_AR001](#)

Investigator : Stephen Yenzen Lai
Document No. : [RM00000541-RN02_AR003](#)

Investigator : Chibawanye Ene
Document No. : [TA00006032-RN00_AR004](#)

Investigator : Zhihong Zeng
Document No. : [RM00007640-RN00_AR002](#)

Investigator : Amer M Najjar
Document No. : [RM00000427-RN02_AR002](#)

Investigator : Eleonora Dondossola
Document No. : [RM00005923-RN00_AR004](#)

Investigator : Burton F Dickey
Document No. : [TA00000704-RN03_AR001](#)

Investigator : Hussein A Abbas

Document No. : [RM00005894-RN00_AR004](#)

Investigator : Katy Rezvani

Document No. : [RM00001904-RN01_AR003](#)

Investigator : Jihye Yun

Document No. : [RM00005986-RN00_AR004](#)

Investigator : Lynn El Haddad

Document No. : [RM00008420-RN00_AR001](#)

Investigator : Vidya Gopalakrishnan

Document No. : [RM00001327-RN02_AR001](#)

Investigator : Ronald A DePinho

Document No. : [TA00000781-RN02_AR003](#)

Investigator : Ecaterina Ileana Dumbrava

Document No. : [RM00006649-RN00_AR003](#)

Investigator : Francois Villinger

Document No. : [RM00008241-RN00_AR001](#)

Investigator : Jinsong Liu

Document No. : [RM00000350-RN02_AR004](#)

Investigator : Burton F Dickey

Document No. : [RM00000087-RN03_AR001](#)

Investigator : Richard Gorlick

Document No. : [RM00003969-RN01_AR002](#)

Investigator : Ju-Seog Lee

Document No. : [RM00003140-RN01_AR003](#)

Investigator : Neeraj Saini

Document No. : [RM00008346-RN00_AR001](#)

Investigator : Jason Westin

Document No. : [RM00005979-RN00_AR004](#)

Investigator : Nitin Jain

Document No. : [RM00008339-RN00_AR001](#)

9. TERMINATIONS

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

Investigator : Lauren Averett Byers

Document No. : [RM00008413-RN00](#)

Investigator : Maura Gillison

Document No. : [RM00002684-RN01](#)

Investigator : Jason Huse

Document No. : [TA00001935-RN02](#)

Investigator : Jennifer Leigh McQuade

Document No. : [RM00005392-RN00](#)

Investigator : Edwin Justin Ostrin
Document No. : [RM00002063-RN01](#)

Investigator : Edwin Justin Ostrin
Document No. : [RM00006749-RN00](#)

Investigator : Edwin Justin Ostrin
Document No. : [RM00006146-RN00](#)

Investigator : Edwin Justin Ostrin
Document No. : [RM00007283-RN00](#)

Investigator : Edwin Justin Ostrin
Document No. : [RM00005955-RN00](#)

10. OLD BUSINESS ITEMS

Item	Description	Presenter	Attachments
NIH Notice NOT-OD-26-101	USG Policy for Stopping High-Risk Life Sciences Research	Brittany Kleb, M.S.; Assoc Dir, Institutional Compl, Institutional Compliance	NOT-OD-26-101_ USG Policy for Stopping High-Risk Life Sciences Research.pdf

11. NEW BUSINESS ITEMS

There are no such business items for this meeting.

12. DISCUSSION ITEMS

There are no such business items for this meeting.

13. INFORMATIONAL ITEMS

Update	Description
Community Member Attendance	Manu Banadakoppa was not in attendance; Arlisa Edwards-Benford was present and counted among the votes.

14. ADJOURNMENT