

INSTITUTIONAL BIOSAFETY COMMITTEE MINUTES
Recombinant DNA(RM)
Meeting #278
Tuesday, July 14, 2026
Hybrid - In Person Location FCT3 1 and 8 - 1:00 PM

Members Present

Xue Hao, Assistant Professor
Bisrat Godefay Debeb, Associate Professor
Kwong K Wong, Professor
Izabela Fokt, Assistant Professor
Marcos Roberto Estecio, Professor
Xiang-Yang Han, Professor
Shilpa S. Dhar, Assistant Professor
Dina H Ray, Research Nurse Manager
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
Vidya Gopalakrishnan, Associate Professor
Pramod N Nehete, Professor

Members Absent

Tora D Ogunmakin, Assoc Dir, Ambulatory Nursing
Zahid H Siddik, Professor
Guocan Wang, Associate Professor
Krithika Srinivasan, Assistant Professor
Humam N Kadara, Professor
Taiping Chen, 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
Linh T Tran, Nurse Mgr, Occupational Health
David A Imperial, Safety Specialist
Marivonne Rodriguez, Principal Safety Specialist
Dana Blackburn, Compliance Analyst

Others Absent

1. APPROVAL OF THE PAST MEETING MINUTES

Meeting	Votes-Yes	Votes-No	Votes-Abstain	Votes-Recuse
IBC Recombinant meeting on Tuesday, June 9, 2026	17	0	5	0

2. CONFLICT OF INTEREST RECUSAL

Attendee	Project	Comment
Humam N Kadara	RM00003782-RN01_AM12	Dr. Kadara is the PI of this non-administrative modification.
Pramod N Nehete	RM00003066-RN01_AM2	Dr. Nehete is the PI of this non-administrative modification.
Humam N Kadara	RM00003627-RN01_AM14	Dr. Kadara is the PI of this non-administrative modification.

3. REPORT OF THE ADVERSE EVENTS

Linh T Tran, B.S.N., M.S., R.N.; Supv, Occupational Health, Employee Health & Well-being - Nothing to report.

4. REPORT OF THE SAFETY COMMITTEE

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

5. REPORT OF RECOMBINANT DNA (RM) SUBCOMMITTEE

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

6. NEW PROTOCOLS

BSL 1: NEW PROTOCOLS

There are no new protocols to review for this meeting.

NEW TRANSGENIC ANIMAL PROTOCOLS:

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse		
Approved	22	0	0	0		
Investigator :	Guillermo Garcia-Manero					
Document No. :	TA00005326-RN01					
NIH Guidelines Category :	III-F-8.					
Agents :						
Species	ACUF#	Genes Inserted	Genes Deleted			
Mouse	00001930-RN02	KDM6B				
Biosafety Level :	BSL1					
Meeting Notes :	This is a transgenic animal protocol designed to knock in the KDM6B gene, a key epigenetic regulator, to investigate innate immune signaling in myelodysplastic syndromes MDS and CMML. The IACUC protocol has been approved.					

BSL 2: NEW PROTOCOLS

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	22	0	0	0
Investigator :	Farhad R. Danesh			
Document No. :	RM00001869-RN02			

BSL 2: NEW PROTOCOLS

NIH Guidelines Category :

III-D-4-b.

Agents :

Non Viral Systems**Technical Name**

pcDNA3.1

piggybac CMV-GFP

pGEM-T-Easy

Is Whole Animal Used as Host

No

No

No

Viral Systems**Virus System**

Lentivirus

Retrovirus

Lentivirus

Adeno-associated virus

Virus Administered to Animals

No

No

No

Yes

Backbones

pdCas9/VP64/KRAB and its derivatives

pBABE; MSCV

PLKO.1

AV0 (AAV2 ITR backbone)

Cell Lines**Cell Line**

293T (human helper cell for Lenti-virus production)

mouse mesangial cells

human mesangial cells

NIH-3T3 fibroblast cell

human podocytes

293FT (human helper cell for Lenti-virus production)

mouse podocytes

Cell Lines Administered to Animals in Vivo

No

No

No

No

No

No

No

Microbial Agents**Name**

E. coli k-12

Administered to Animals in Vivo

No

Room Numbers**Room No.**

Z9.2023

SB.8261

Biosafety Level :

Meeting Notes :

Description

Tissue Culture Facility

Animal Facilities

BSL2

The protocol describes standard BSL-2 recombinant DNA research using plasmids, replication-deficient lentiviral and retroviral vectors, AAV vectors, CRISPR-based gene-editing systems, and established mammalian cell lines to investigate mechanisms of diabetic nephropathy. Viral vectors will be administered to animals in vivo, and multiple genes are listed under rDNA. ACUF is current.

Disposition**Votes For****Votes Against****Votes Abstain****Votes-Recuse**Approved With
Contingencies

21

0

0

1

Investigator :

Min Gyu Lee

Document No. :

[RM00001777-RN02](#)

NIH Guidelines Category :

III-D-4-b.

Agents :

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

BSL 2: NEW PROTOCOLS

Non Viral Systems

pcDNA3 No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
adenovirus	Yes	Ad5-CMV

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
mouse embryonic fibroblasts (MEFs)	No
keratinocyte - non human	No
lung epithelial cells - non human	No

Room Numbers

Room No.	Description
Z12.2031B	Tissue Culture Facility
Z12.2028	Research/Non-Class Laboratory- Wet Lab
Z12.2030	Research/Non-Class Laboratory- Wet Lab
SB.8208	Animal Facilities
Biosafety Level :	BSL2
Meeting Notes :	The goal of the study is to knockout specific genes in mice and in cell cultures to observe the effects in both in vivo and in vitro systems. Adenovirus-cre will be used to induce the recombination event that will cause the loss of the target gene. The protocol does not list the genes of interest and mainly addresses the expression of cre-recombinase. ACUF is current.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	22	0	0	0

Investigator : Samir Hanash
Document No. : [RM00009012-RN00](#)
NIH Guidelines Category : III-D-3-a.
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pCAS-Guide	No
pCas-Guide-GFP-CRISPRa	No
Cre vector (Santa cruz)	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pLenti-C-mGFP-P2A-Puro
Lentivirus	No	pGFP-C-shLenti
Lentivirus	No	pSIH1-H1-Puro (Santa cruz)
Lentivirus	No	Cre vector (santa Cruz)

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Ovarian Cancer	No
Leukemia	No

BSL 2: NEW PROTOCOLS

Cell Lines

Prostate Cancer	No
Colon Cancer	No
Lung Cancer	No
Pancreatic Cancer	No
Breast Cancer	No

Room Numbers

Room No.

S13.8202

Biosafety Level :

Meeting Notes :

Description

Tissue Culture Facility

BSL2

This project aims to validate novel cancer cell-surface targets identified by mass spectrometry by evaluating new binding molecules. Engineered cancer cell lines from multiple tumor types will be generated to overexpress or suppress three targets (ALPP, POTE, and TUBA3C) using plasmid and lentiviral systems. No in vivo studies will be performed.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	22	0	0	0

Investigator :

Sadhan Majumder

Document No. :

[RM00000356-RN03](#)

NIH Guidelines Category :

III-D-4-b.

Agents :

Non Viral Systems

Technical Name

Is Whole Animal Used as Host

GCM	No
pTwist	No
CMV expression plasmid: IRES-GFP	Yes
GCM-VP16	No
CMV expression plasmid: REST	Yes
CMV expression plasmid: REST-DBD-IRES-GFP	Yes
CMV expression plasmid: GFP	Yes
CMV expression plasmid: REST-VP16-IRES-GFP	Yes
CMV expression plasmid: REST-IRES-GFP	Yes

Viral Systems

Virus System

Virus Administered to Animals

Backbones

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

Cell Lines

Cell Line

Cell Lines Administered to Animals in Vivo

BSL 2: NEW PROTOCOLS

Cell Lines

hNT neurons	Yes
NIH 3T3 mouse fibroblast	No
sh-REST	Yes
Neuronal cell line C17.2	Yes
NT1 neurons	Yes
Neuronal cell line C17	No
D283 medulloblastoma	Yes
293	No
D341 medulloblastoma	Yes
PC12 Rat pheochromocytoma	No
NT2 neurons	Yes
glioblastoma stem cells	Yes
Daoy medulloblastoma	Yes

Microbial Agents

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

Room Numbers

Room No.	Description
SB.8277	Animal Facilities
SB.8257	Animal Facilities
S13.8420	Research/Non-Class Laboratory- Wet Lab
S13.8418a	Non_Class Lab Service
S13.8416	Tissue Culture Facility
SB.8208	Animal Facilities
Biosafety Level :	BSL2
Meeting Notes :	The goal of this study is to find out how the molecule REST regulates medulloblastoma formation and how they differ from glioblastoma. They will be using glioblastoma stem cell lines obtained from Brain Tumor Center at MDACC. Viral and non-viral systems will be used to transfer diverse rDNAs into human medulloblastoma cell lines in vitro and xenografts in nude mice. ACUFs and IRB are current.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	22	0	0	0

Investigator :	Vahid Afshar-Kharghan
Document No. :	RM00001958-RN02
NIH Guidelines Category :	III-D-4-a.
Agents :	

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pCDNA3	No
pGL3	No
pLIVE	Yes

BSL 2: NEW PROTOCOLS

Microbial Agents

Name

E.coli DH5a

Administered to Animals in Vivo

No

Room Numbers

Room No.

PPB1.464

Z9.4037A

Z9.4033

PPB1.463

PPB2.732

Biosafety Level :

Meeting Notes :

Description

Animal Facilities

Tissue Culture Facility

Chemical Fume Hood Room

Animal Facilities

Animal Facilities

BSL1

In this study, the research group will investigate the mechanisms of contribution of complement disorders to thrombosis. To investigate the effect of deletions in Factor H on thrombosis, they plan to transiently express whole length-factor H and factor H fragments in factor H deficient mice using pLIVE eukaryotic expression vectors. ACUF is current.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0
Investigator :			Dadi Jiang	
Document No. :			RM00005227-RN01	
NIH Guidelines Category :			III-D-2-a.	
Agents :				
Non Viral Systems				
Technical Name			Is Whole Animal Used as Host	
pUC57			No	
pCC1			No	
pcDNA3.1			No	
Cell Lines				
Cell Line			Cell Lines Administered to Animals in Vivo	
HEK293T			No	
Microbial Agents				
Name			Administered to Animals in Vivo	
E. Coli: DH5a and Stble3			No	
Room Numbers				
Room No.			Description	
Z6.4031C			Tissue Culture Facility	
Biosafety Level :			BSL2	
Meeting Notes :			The goal of this protocol is to investigate the role of the IRE1 α /XBP1 branch of the unfolded protein response in regulating SARS-CoV-2 genome function and viral gene expression. SARS-CoV-2 genome encoding plasmids will be used as templates for in vitro transcription and biochemical assays to evaluate how IRE1 α /XBP1-mediated processes influence viral RNA. Reporter-based assays will be used to assess the effects of identified regulatory elements on gene expression. No animal work.	

BSL 2: NEW PROTOCOLS

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	22	0	0	0

Investigator :

Eric Gardner

Document No. :

[RM00008807-RN00](#)

NIH Guidelines Category :

III-D-4-b.

Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pLenti-CMV
Adenovirus	Yes	Ad5.CMV-Cre
Adenovirus	Yes	Ad5.Cgrp-Cre
Lentivirus	No	pLV-CALCA-eYFP
Lentivirus	No	pLenti-BB (pLV)
Lentivirus	No	LT3GEPiR
Lentivirus	No	LCv2puro
Lentivirus	No	CSII-U6-gRNA-CBh-3xFLAG-PA-dCas9-P2A-Puro
Lentivirus	No	pLT3GEPiR
Lentivirus	No	pLIX403
Lentivirus	No	pLP-hSOX2-ires-GFP
Lentivirus	No	pLVX-3xFLAG-PA-dCas9-P2A-Puro
Lentivirus	No	M11-sg
Lentivirus	No	pLenti-CMV
Lentivirus	No	Puro.Cre
Lentivirus	No	pLenti-CMV-TurboGFP
Lentivirus	No	pLenti-EF1a
Lentivirus	No	pLV-CC10-mCherry
Lentivirus	No	TLCV2
Lentivirus	No	LRT2B
Lentivirus	No	LCV2-sg
Lentivirus	No	pGECiR
Lentivirus	No	LentiSAMPV2
Lentivirus	No	pLM-CMV-R-Cre
Lentivirus	No	lentiSAMPv2
Lentivirus	No	pLenti-TRE/iRFP
Lentivirus	No	pLV-P63-eCFP
Lentivirus	No	pLIX403
Lentivirus	No	pENTR223 APOBEC3B
Lentivirus	No	lentiMPH v2
Lentivirus	No	pLenti-TRE
Lentivirus	No	pLenti-FNLS
Lentivirus	No	LT3GEBiR
Lentivirus	No	pLenti-PGK
Lentivirus	No	T3G
Lentivirus	No	pLV-SPB-tdTomato
Lentivirus	Yes	Lenti-U6-sgRNA-PGK-Cre

BSL 2: NEW PROTOCOLS

Viral Systems

Lentivirus	No	pRosetta
Lentivirus	No	SGEP-sh
Lentivirus	No	tetO-ASCL1-puro
Lentivirus	No	pMDLg/pRRE
Lentivirus	No	pLX304
Lentivirus	No	pLJM1-EGFP-BarcodeV1
Lentivirus	No	pLenti-CMV-mCherry
Lentivirus	No	pMD2.G
Lentivirus	No	LT3GEHIR
Lentivirus	No	lentiCRISPR v2
Lentivirus	No	phASCL1-N106
Lentivirus	No	UBCpro
Lentivirus	No	pSPAX2
Lentivirus	No	LT3DEPIR
Lentivirus	No	pLentiCas9-Blast
Lentivirus	No	Cre-IRES-PuroR
Lentivirus	No	lenti sgRNA(MS2)_zeo
Lentivirus	No	pLenti-5HRE
Lentivirus	No	pMG2.G
Lentivirus	No	pLenti-sg/iRFP
Lentivirus	No	pLenti- V6.3 Ultra
Lentivirus	No	pLenti-sg
Lentivirus	No	pRSV-Rev
Adenovirus	Yes	Ad5.Spc-Cre

Cell Lines

Cell Line

Primary Lung Cell Types
HEK293T
Lung cancer
Lung cancer
Lung cancer

Cell Lines Administered to Animals in Vivo

Yes
No
No
No
Yes

Microbial Agents

Name

Stbl3
DH5a
NEB Stable

Administered to Animals in Vivo

No
No
No

Room Numbers

Room No.

T8.3928D
T8.3928B
S1.8211
T8.3928

Description

Tissue Culture Facility
Tissue Culture Facility
Animal Facilities
Research/Non-Class Laboratory- Wet Lab

Biosafety Level :

BSL2

Meeting Notes :

This project seeks to elucidate the molecular mechanisms underlying cancer initiation, progression, immune evasion, and

BSL 2: NEW PROTOCOLS

therapeutic resistance, with a particular focus on lung and neuroendocrine malignancies. The proposed studies involve the in vivo administration of recombinant adenoviral vectors to conditionally activate Cre recombinase in genetically engineered mouse models and lentiviral vectors expressing sgRNAs to mediate targeted gene knockout. Additional lentiviral vectors will be used to label cells and to modulate the expression of more than 60 genes in both human and murine cell lines for mechanistic studies of cancer initiation, progression, and therapeutic response. ACUF is current.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	21	0	0	1
Investigator :	Hind Rafei			
Document No. :	RM00009022-RN00			
NIH Guidelines Category :	III-D-1-a.			
Agents :				
Non Viral Systems				
Technical Name	Is Whole Animal Used as Host			
sgRNA, crRNA	No			
Viral Systems				
Virus System	Virus Administered to Animals		Backbones	
RETROVIRUS	No		pRetro	
retrovirus	No		SFG	
lentivirus	No		pHAGE - HIV-1 based backbone (2nd generation lentivirus)	
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			
Room Numbers				
Room No.	Description			
2SCR4.2158	Tissue Culture Facility			
PPB1.491	Animal Facilities			
Biosafety Level :	BSL2			

BSL 2: NEW PROTOCOLS

Meeting Notes :

The goal of this research is to develop better CAR-T cells to make immune cell therapy work against kidney cancer. They will study the cAMP cell signaling pathway, which may act to limit CAR-T cell function in kidney cancer. CAR-T cells will be modified using CRISPR/Cas9, viral vectors, and cAMP-responsive reporter systems to identify genes and pathways that regulate cAMP-mediated immune suppression. Primary and non-primary human cell line will be administered to animals in vivo. IACUC and IRB protocols are approved.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	22	0	0	0
Investigator :	Stephen Yenzen Lai			
Document No. :	RM00001774-RN02			
NIH Guidelines Category :	III-D-1-a.			
Agents :				
Non Viral Systems				
Technical Name	Is Whole Animal Used as Host			
pET-27b (+)	No			
pOTB7	No			
pcDNA3.1/his a,b,c	No			
pGL3 promoter	No			
pRC-CMV	No			
pRL-CMV	No			
pcDNA3.1	No			
pEYFP-Golgi	No			
CRISPR/Cas9 Knockout	No			
pTRE-6xHN	No			
pGL4.10	No			
pEGFP-C1	No			
pGL3 enhancer	No			
pSV	No			
pEGFP-N-terminal protein fusion	No			
pIRESneo3	No			
pHcRed-C1	No			
pGL3 basic	No			
pTRE2hyg	No			
pTL-luc	No			
Viral Systems				
Virus System	Virus Administered to Animals		Backbones	
baculavirus	No		pFastBac HT a,b, or c	
retrovirus	No		pBR322	
retrovirus	No		pRSI17	
retrovirus	No		pRSI16	
retrovirus	No		pMSCV	
Retrovirus	No		PBMN-1-GFP-luciferase	
lentivirus	No		pRSGCCP-U6-(sg)-CMV-Cas9-2A-Puro (was pRSGC1)	

BSL 2: NEW PROTOCOLS

Viral Systems

lentivirus	No	pLentiCRISPR-v2E (HK14)
retrovirus	No	pLVX-EF1 α -IRES-Puro
lentivirus	No	pBR322
adenovirus	No	pAd5CMVK-NpA

Cell Lines

Cell Line

head and neck squamous cell carcinoma (HNSCC)
thyroid cancer
thyroid cancer
thyroid cancer
melanoma
thyroid cancer
Phoenix cells (human kidney epithelial cells)

Cell Lines Administered to Animals in Vivo

Yes
Yes
Yes
Yes
Yes
Yes
No

Microbial Agents

Name

TOP10, E. coli
Brucella melitensis Bm Δ vjbR
Dh5a, E.coli

Administered to Animals in Vivo

No
Yes
No

Room Numbers

Room No.

S1.8218
T5.3940A
S1.8472
T5.3925
S1.8473
S1.8468
S1.8222
T5.3932
S1.8440
Z9.4021
T5.3932A
T5.3940
Z9.4025
Z9.4019
S1.8219

Description

Animal Quarters Service
Tissue Culture Facility
Animal Facilities
Tissue Culture Facility
Animal Facilities
Animal Facilities
Animal Facilities
Research/Non-Class Laboratory- Wet Lab
Animal Facilities
Equipment Space (Research)
Tissue Culture Facility
Tissue Culture Facility
Cold Room/Walk-in
Tissue Culture Facility
Animal Quarters Service

Biosafety Level :

BSL2

Meeting Notes :

In this protocol, the investigators will study the roles of various genes in thyroid cancer. Viral and nonviral systems will be used in vitro to generate cell lines with overexpression and down regulation of multiple target genes, include chromatin regulating enzymes. Cell lines will be administered to animals in vivo, as well as RG2 microbial agent to evaluate improved immune cell response. ACUFs and IRB protocol are current.

BSL 2: NEW PROTOCOLS

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	22	0	0	0

Investigator :

Pavan Bachireddy

Document No. :

[RM00005242-RN01](#)

NIH Guidelines Category :

III-D-3-a.

Agents :

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

pMD2.G

No

psPAX2

No

pEGFP

No

pBSK

No

pCMV delta R8.2

No

pTOPO

No

pcDNA3

No

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

Retrovirus

No

pMIG

lentivirus

No

pLV-mCherry

lentivirus

No

pLKO

lentivirus

No

pSLIK-Hygro

Retrovirus

No

pBABE-puro

lentivirus

No

pLenti-puro

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

Chronic myeloid leukemia

No

Leukemia cells K562

No

leukemia cell line 32Dp210

No

Acute lymphoblastic leukemia

No

Leukemia cell line AML-10

No

kidney epithelia cells 293T

No

Bone marrow cell line 32D

No

Normal human T cells

No

THP-1 acute monocytes leukemia

No

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

E.coli BL21 (DE3)

No

E. coli One Shot TOP10

No

E. coli Stbl3

No

E.coli DHa

No

Room Numbers**Room No.****Description**

2SCR2.2226

Chemical Fume Hood Room

2SCR2.2162

Tissue Culture Facility

BSL 2: NEW PROTOCOLS**Room Numbers**

2SCR2.2217

2SCR2.2219

Biosafety Level :

Meeting Notes :

Research/Non-Class Laboratory- Wet Lab

Research/Non-Class Laboratory- Wet Lab

BSL2

The goal of this protocol is to identify and target transcription factors and other molecules involved in leukemic-immune interactions within the tumor microenvironment. Retroviral and lentiviral vectors will be used to overexpress or knock down genes of interest in normal T cells or leukemic cells, and T cell responses will be evaluated following acute and chronic stimulation in vitro. No animal work. Approved IRB addressed the collection of human tissues.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	22	0	0	0

Investigator :

Chandra Bartholomeusz

Document No. :

[RM00001816-RN02](#)

NIH Guidelines Category :

III-D-1-a.

Agents :

Non Viral Systems**Technical Name**

pTOPO-MCL1

Is Whole Animal Used as Host

No

Viral Systems**Virus System**

lentivirus

Virus Administered to Animals

No

Backbones

pLKO.1-puro

Lentivirus

No

pGFP-V-RS

Cell Lines**Cell Line**

293T

Cell Lines Administered to Animals in Vivo

No

Breast Cancer

Yes

Microbial Agents**Name**

E. coli

Administered to Animals in Vivo

No

Room Numbers**Room No.**

Z12.4031C

Z12.4033

Description

Tissue Culture Facility

Chemical Fume Hood Room

Biosafety Level :

BSL2

Meeting Notes :

This protocol studies the role of the anti-apoptotic protein Mcl in triple-negative breast cancer pathogenesis and resistance of the disease to MEK inhibition. The protocol uses lentivirus systems that will not be administered to animals. Human breast cancer cells will be used and injected in animals. ACUF is current.

BSL 2: NEW PROTOCOLS

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	22	0	0	0

Investigator :

Amir A Jazaeri

Document No. :

[RM00009007-RN00](#)

NIH Guidelines Category :

III-C-1.

Agents :

Viral Systems**Virus System**

[REDACTED]

Virus Administered to Animals

No

Backbones

[REDACTED]

Cell Lines**Cell Line**

[REDACTED]

Cell Lines Administered to Animals in Vivo

No

Room Numbers**Room No.**

G1.3586

R1.1154

P14.3140

Biosafety Level :

Meeting Notes :

Description

Diagnostic Service Laboratory

Special Class Laboratory

Diagnostic Support Laboratory Service

BSL2

The primary goal of this clinical study is to evaluate the safety, feasibility, and efficacy of administering [REDACTED] with low-dose IL-2 after lymphodepleting chemotherapy with fludarabine and cyclophosphamide in participants with recurrent endometrial cancer and platinum-resistant epithelial ovarian cancer and to estimate the MTD, propose a recommended phase 1b dose(s) for expansion, and determine a recommended phase 2 dose for further exploration in a subsequent study. Corrective action required regarding IRB continuing review memo.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	22	0	0	0

Investigator :

Samir Hanash

Document No. :

[RM00009011-RN00](#)

NIH Guidelines Category :

III-D-3-a.

Agents :

Non Viral Systems**Technical Name**

CRISPR/Cas9 Knockout Plasmid (sc-405504)

pCas-Guide vector (GA107293)

CRISPR/Cas9 Knockout Plasmid (sc-402603)

pCas-Guide vector (GA109552)

pCas-Guide vector (KN405308)

pCas-Guide vector (GA115459)

Is Whole Animal Used as Host

No

No

No

No

No

No

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

BSL 2: NEW PROTOCOLS

Viral Systems

Lentivirus	No	sc-402603-LAC
Lentivirus	No	sc-60846-V
Lentivirus	No	sc-405504-LAC
Lentivirus	No	sc-62888-V
Lentivirus	No	sc-38630-V

Cell Lines

Cell Line

Cell Lines Administered to Animals in Vivo

PDAC cancer (Hs766T, PL45, and SU8686)	No
Lung cancer (DMS114, SBC5, NCIH2066)	No
Ovarian cancer (OV56, Kuramochi)	No
Breast Cancer (HCC1500, MDAMB453, MDAMB157, HCC70, HCC1187)	No
Lung Cancer (H1048, H69, HCC4004, CALU6 and NCIH1568)	No
Lung Cancer (H522, H1435, NCIH661, NCIH1155 and LU65)	No

Room Numbers

Room No.

S13.8202

Description

Tissue Culture Facility

Biosafety Level :

BSL2

Meeting Notes :

In this project, the investigator aims to validate new binders for novel targets that were discovered by mass spectrometry on the surface of cancer cells. Cell lines will be genetically manipulated to generate stable overexpression and knockdown/knockout controls of three gene targets: IGF2BP3, PSMA8, and YBX2. Cell lines will be genetically manipulated using viral and non-viral vectors, to generate stable overexpression and knockdown/knockout controls for each target. Only in vitro studies are part of the project.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	22	0	0	0

Investigator :

Samir Hanash

Document No. :

[RM00009041-RN00](#)

NIH Guidelines Category :

III-D-3-a.

Agents :

Non Viral Systems

Technical Name

sc-400479 (vendor proprietary)

Is Whole Animal Used as Host

No

Viral Systems

Virus System

Virus Administered to Animals

Backbones

Lentivirus (sc-45904-V)	No	sc-45904-V (vendor proprietary)
Lentivirus (pLenti-C-Myc-DDK-P2A-Puro)	No	pLenti-C-Myc-DDK-P2A-Puro
Lentivirus (sc-95199-V)	No	sc-95199-V (vendor proprietary)
Lentivirus (sc-72293-V)	No	sc-72293-V (vendor proprietary)

BSL 2: NEW PROTOCOLS

Cell Lines

Cell Line

Fibroblast cell (mouse L cells)
Leukemia
embryonic human kidney cells (293T)
Gastric cancer cell

Cell Lines Administered to Animals in Vivo

No
No
No
No

Room Numbers

Room No.

S13.8202

Biosafety Level :

Meeting Notes :

Description

Tissue Culture Facility

BSL2

This proposal evaluates cancer-testis antigens that are expressed on the surface of cancer cells and are well-suited for immunotherapeutics. The investigators are developing monoclonal antibodies for three selected targets: HSPA1L, LDHC, and MYOF. To validate the produced antibody's specificity and study the role of the target proteins, gastric and leukemia cells will be modified to alter gene expression level through lentiviral transduction and CRISPR/Cas9 system. Among other contingencies, in vivo studies are mentioned in the experimental plan without animal protocols being part of the registration.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	22	0	0	0

Investigator :

Samir Hanash

Document No. :

[RM00009042-RN00](#)

NIH Guidelines Category :

III-D-3-a.

Agents :

Viral Systems

Virus System

Lentivirus
Lentivirus
Lentivirus

Virus Administered to Animals

No
No
No

Backbones

LentiCRISPRv2
psPAX2
pMD2.G

Cell Lines

Cell Line

HCC1806 Breast Cancer cell line
DoTc2 Breast Cancer cell line
H526 Lung Cancer Cell line
LoVo Breast Cancer cell line
4T1 (Breast Cancer cell Line)
293T Cells
BT20 Breast Cancer Cell line
BRCA1TP53 Brest Cancer Cell Line
HCC1954 Breast cancer cell line
MCF12ABreast Cancer Cell Line
SNUC1 Breast Cancer Cell line
MG63 Osteosarcoma Cell Line

Cell Lines Administered to Animals in Vivo

No
No
No
No
No
No
No
No
No
No
No
No

BSL 2: NEW PROTOCOLS

Cell Lines

BT549 Breast Cancer cell line	No
MG63.2 Osteosarcoma Cell line	No
A673 Ewing Sarcoma Cell Line	No
MCC1495 Breast Cancer cell line	No
TC71 Ewing Sarcoma Cell Line	No
MDA-MB-468 Breast Cancer Cell Line	No
ES8 Ewing Sarcoma Cell line	No
U2OS Osteosarcoma Cell Line	No
Hs578T Breast Cancer cell line	No
JN-DSRCT (Desmoplastic small round cell tumor) Cell line	No
SAOS-2 Osteosarcoma Cell Line	No
BER DSRCT (Desmoplastic small round cell tumor) Cell Line	No
MDA-MB157 Breast Cancer Cell line	No
BOD DSRCT (Desmoplastic small round cell tumor) Cell Line	No
SJSA-1 Osteosarcoma Cell Line	No
THP-1 Monocyte Cell Line	No

Microbial Agents

Name	Administered to Animals in Vivo
E.Coli Stbl2 Competent Cells	No

Room Numbers

Room No.	Description
S13.8216	Tissue Culture Facility
Biosafety Level :	BSL2
Meeting Notes :	The primary goal of the protocol is to use lentiCRISPRv2 plasmid to knockout the expression of several proteins of interest including, POTE, IGF2BP3, PADI1-4, and/or PADI6 in several cancer cell lines. All work described in this protocol is conducted in vitro, no animal studies involved.

BSL 3: NEW PROTOCOLS

There are no new protocols to review for this meeting.

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

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0
Investigator :	Humam N Kadara			
Document No. :	RM00003782-RN01_AM12			
NIH Guidelines Category :	NA			
Agents :				
Cell Lines				
Cell Line	Cell Lines Administered to Animals in Vivo			
H2122 human lung cancer cell	Yes			
H358 human lung cancer cell line	Yes			
H441 human lung cancer cell	Yes			
Microbial Agents				
Name	Administered to Animals in Vivo			

Microbial Agents

Lactococcus lactis NZ9000	Yes
Lactobacillus acidophilus NCFM	Yes
Escherichia coli Nissle 1917	Yes
Mouse Fecal Microbiota	Yes
Akkermansia muciniphila	Yes
Alistipes finegoldii	Yes
Bifidobacterium animalis subsp. Lactis	Yes
Lactobacillus rhamnosis GG	Yes
Enterococcus faecalis	Yes
Enterococcus faecium	Yes
Bifidobacterium psuedolongum	Yes
Bacteroides sartorii	Yes
Fusobacterium nucleatum (ATCC 25586)	Yes
Porphyromonas gingivalis (ATCC 33277)	Yes
Limosilactobacillus reuteri	Yes
Mycolicibacterium aurum	Yes
Oral Microbiota Transfer	Yes
Biosafety Level :	BSL2
Meeting Notes :	They added a IACUC protocol addressing fecal microbiota transplant derived from mice using oral gavage.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	22	0	0	0

Investigator : Boyi Gan
Document No. : [RM00000185-RN02_AM8](#)
NIH Guidelines Category : III-D-4-b.
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pCDNA3.1/V5-His	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
lentivirus	Yes	lentiCRISPR v2 (vector to generate CRISPR KO)
lentivirus	Yes	pLenti6 (shRNA vector)
lentivirus	Yes	pLVX
lentivirus	Yes	pLKO.1 (to overexpress a cDNA)
lentivirus	Yes	pGIPZ

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
lung cancer cell	Yes
esophageal cancer cell	Yes
mouse embryonic fibroblasts	Yes
prostate cancer cells	Yes
HEK293 cells	No
pancreatic cancer cell	No

Cell Lines

breast cancer cell	Yes
kidney cancer cell	Yes

Microbial Agents

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

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0

Investigator :	Pappanaicken R Kumar
Document No. :	RM00002329-RN01_AM8
NIH Guidelines Category :	III-D-1-a.
Agents :	

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pT2SBSO	No
SB11 transposases (SB11, SB100x, hSB81, hSB110)	No
pX	No
HDR	No
pGEM4z	No
pSBSO-FRA	No
pHEN1 phagemid vector	No
EGFR CAR	No
CD19 Chimeric Antigen Receptors (CARs)	No
Mesothelin CAR	No
pCANTAB 5E phagemid	No
TA vector	No
pX459	No
Dectin1-CARs (library of Dectin1-CARs generated in lab)	No
pGEM	No
pSBSO (from Univ. of Minn.)	No
ROR1 CAR	No
CRISPR/Cas9 plasmids	No
CD123 CAR	No
CD19RCD8CD28 chimeric antigen receptor (CAR)	No
CD56 CARs	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lenti Virus	No	LentiCas9-Blast, CRSPR/gRNA library GeCKO Human
Lentivirus	No	pLVN
Adenovirus	No	Ad5F35 vector
Lentivirus	No	pLVX
Lentivirus	No	pLV
retrovirus	No	pRetroQ, pRP

Cell Lines

Cell Line

Cell Lines Administered to Animals in Vivo

MOLM-13 -eGFP-FFluc expressed	Yes
Human CAR NK cells	Yes
human acute monocytic leukemia	No
OCI-AML3-eGFP and ffluc	Yes
Human CAR Macrophages	Yes
mouse bone marrow stroma cells	No
chronic myeloid leukemia cells	No
leukemia	No
Human acute lymphoblastic leukemia	No
Kidney Cancer Cells	No
immortalized normal pancreas ductal epithelial cells	No
B lymphocyte; EpsteinBarr virus transformed	No
Human diffuse large B-cell lymphoma	No
Human B acute lymphoblastic leukemia	No
gamma delta T-cells	Yes
Embryonic kidney epithelial cells	No
Mouse Embryonic fibroblast (MEF)	No
Mus musculus lymphoma	No
LANOAN neuroblastoma cell	No
Human T cells	Yes
Human acute myeloid leukemia	Yes
small cell lung cancer (SCLC) cell lines	No
acute myeloid leukemia cells	Yes
CD19 tumor cell lines	No
human peripheral blood (commercial vendor; blood bank)	Yes
Human NK cells	Yes
Pancreatic cancer cells (BXPC-3)	No
Pancreatic cancer cell lines (MiaPaCa-2-Luciferase reporter)	Yes
Human erythroleukemia	No
human CAR T cells	Yes
Daudi	Yes

Microbial Agents

Name

Administered to Animals in Vivo

Candida Spp. (C. glabrata, C. parapsilosis, C. tropicalis and C. krusei)	No
E.Coli Top10	No
Aspergillus Spp. (A. fumigatus)	Yes
rhizopus oryzae	No
Cryptococcus neoformans	Yes
Candida Albicans	Yes
Candida auris	No

Biosafety Level :

BSL2

Meeting Notes :

They added a retroviral backbone to agents. Several cell lines and microbial agents will no longer be administered to animals in vivo.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	22	0	0	0

Investigator : Albert Koong
Document No. : [RM00007037-RN00_AM7](#)
NIH Guidelines Category : III-D-1-a.
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
HA-HIF1alpha P402A/P564A-pBabe-puro	No
HA-HIF2α P405A/P531A/N847Q-pBabe-Puro	No
pGL4.10[luc2]-Wnt5a-1548HREmut	No
pGL4.10[luc2]-Wnt5a-296HREmut	No
GFP-pSECC	No
pGL4.10[luc2]-Wnt5a-630HREmut	No
HA-HIF1a dPA-pcDNA3	No
holo-IGF1R	No
pGL4.10[luc2]-Wnt5a+82HREmut	No
pGL4.10[luc2]-Wnt5a-1647HREmut	No
pcDNA3.1(+/-)	No
Cas9	No
holo-IR	No
pRL-CMV	No
pGL4.10[luc2]-Wnt5a-2000wt	No
HA-HIF2a dPA-pcDNA3	No
HybR	No
GFP-p38alpha	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
retrovirus	No	pBABE-puro
adenovirus	No	HIHG Add2
lentivirus	No	pLVX-EF1a-IRES-puro, pLVX-IRES-Neo, pLVX-IRES-hygro, pLVX-EF1a-IRES-ZsGreen, lentiCRISPR v2
adenovirus	No	Ad5(dE1/E3)
Lentivirus	No	pLVX-TRE3G-mCherry, pLVX-TRE3G-IRES, pLVX-TRE3G
lentivirus	No	SMARTvector, pSMART mCMV/TurboGFP
adenovirus	No	pAdEasy-1

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Pancreatic Cancer Cell line	Yes
Patient derived pancreatic cancer cell lines 102	No
Patient derived pancreatic cancer cell lines 69	No
Patient derived pancreatic cancer cell lines 148	No
Mouse Pancreatic Cancer Line PENN MH	No
Mouse pancreatic cancer cell line iKPC	Yes

Cell Lines

MEERL/95	No
Human Normal epithelial cells hTERT-HPNE	No
Mouse Macrophage	No
Colorectal Cancer Cell Lines	No
Patient derived pancreatic cancer cell lines 50	No
Patient derived pancreatic cancer cell lines 53	Yes
Patient derived pancreatic cancer cell lines 118	No
Patient derived pancreatic cancer cell lines 153	Yes
KPC-CB	No
Lenti-X HEK293T	No
Patient derived pancreatic cancer cell lines 124	No
Pancreatic cancer cell line KPC	Yes
Pancreatic cancer cell line KPFM	No
MEERL Mouse tonsil epithelial E6 E7 luciferase cells	No
HY24160	No
IK3025	No

Microbial Agents

Name	Administered to Animals in Vivo
E.coli - 5-alpha, Stbl3, Stbl4 and NEB Stable	No
Biosafety Level :	BSL2
Meeting Notes :	Updated IACUC protocol due to renewal. Information on diverse cell lines and viral systems was updated to indicate they will no longer be used for in vivo work.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	22	0	0	0
Investigator :	Liuqing Yang			
Document No. :	TA00000898-RN02_AM2			
NIH Guidelines Category :	III-F-8.			
Agents :				
Species	ACUF#	Genes Inserted	Genes Deleted	
Mouse	00000466-RN04		TUG1, BCAR4 , NEAT2, PCGEM1 , PRNCR1	
Mouse	00000640-RN04		DZIP3, TCF7 (T Cell Factor 1, TCF-1), TOX (Thymocyte Selection-Associated High Mobility Group Box)	
Mouse	00001414-RN03	PTEN K80R , LINK-A, PVT1, SV40		
Mouse	00001432-RN03	H19, SNORD46, PTEN K80R	Vista, CAMKK2, GRIK1, DESI2, MSTN, Pair	
Mouse	00001947-RN02	LINK-A		
Mouse	00002177-RN01		DMD	
Mouse	00001887-RN02	Myc		
Mouse	00001775-RN03		H19	
Biosafety Level :				
Meeting Notes :	Additional IACUC protocol is now linked to the project.			

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	22	0	0	0
Investigator :	Christopher Johnston			
Document No. :	RM00007966-RN00_AM4			
NIH Guidelines Category :	III-D-1-a.			
Agents :				
Non Viral Systems				
Technical Name	Is Whole Animal Used as Host			
pUC19	No			
pBRESP36A	No			
pCasSA	No			
pHS30-N.B.CD40	No			
pHS30-N.B.CD47	No			
pBDL531	No			
pWO	No			
pVoPo-GFP	No			
pVoPo-mCh	No			
pHS30	No			
pHS30-NB.PDL1	No			
pHS30-NB.CTLA4	No			
pHS30-Cas	No			
pBDL532	No			
pFnLux	No			
pBDL533	No			
pWO_SynMC	No			
pBDL534	No			
pEPSA5	No			
Cell Lines				
Cell Line	Cell Lines Administered to Animals in Vivo			
Colon cancer	No			
Colon cancer	No			
Microbial Agents				
Name	Administered to Animals in Vivo			
Staphylococcus	No			
Escherichia coli DH5alpha	No			
Escherichia coli Nissle 1917 (EcN)	No			
Escherichia coli WM6026	No			
Salmonella VNP20009	No			
Escherichia coli BW25141	No			
Escherichia coli Tuner DE3	No			
Akkermansia muciniphila MDA JAX-AM001	No			
Akkermansia muciniphila ATCC BAA-835	No			
Fusobacterium strain SB010 pFnLux	No			
Prevotella intermedia	No			
Parvimonas micra	No			
Escherichia coli	No			

Microbial Agents

Fusobacterium

No

Biosafety Level :

BSL2

Meeting Notes :

The amendment adds two bacteria to their existing list of 11.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	22	0	0	0

Investigator :

Wantong Yao

Document No. :

[RM00003651-RN01_AM5](#)

NIH Guidelines Category :

III-D-4-b.

Agents :

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

pCDNA

No

pGEX-

No

pCMV-DTReAI-Luc

No

pEGFP-

No

pCMV-DTReAI-Red

No

pnEA-vHis

No

pCMV-GIP-DTR

No

H2B-mCherry Plasmid

No

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

adenovirus

Yes

ad-CMV

Lentivirus

No

Backbones: pMD2.G, pspax2, pLenti 4, pLenti 6.3; pLenti 7.3, pTripz, pGipz, pLKO, pLentiCMV, pLKO.1;pHAGE; pRS116, pFUGW based; pCDH; pLentiV2

Retrovirus

No

pBABE; MSCV; pMKO.1, pHIT60, VSV.g, pSUPER, pCLAmpho

Lentivirus

Yes

pLenti 6

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

human lung cancer A549 cell line

Yes

human colon cancer HT29 cell line

Yes

sarcoma

Yes

Pancreatic cancer cell lines

Yes

293 T helper cells

No

Pancreatic cancer cell lines--PDX lines

Yes

sarcoma

Yes

human breast cancer cell line MDA-MB-231

Yes

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

E. Coli [BL21, BL21star, BL-21 (A-1), HMS 174, Rosetta, and similar commercial strains]

No

Biosafety Level :

BSL2

Meeting Notes :

Cell lines were added to the protocol, and they will be administered to animals in vivo. IACUC also added.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0

Investigator :

Chunru Lin

Document No. :

[RM00001787-RN02_AM1](#)

NIH Guidelines Category :

III-D-4-b.

Agents :

Viral Systems

Virus System

Virus Administered to Animals

Backbones

Adeno-associated virus

Yes

AAV8

vesicular stomatitis virus (VSV)

No

pRP-VSV-EGFP

Adeno-associated virus

Yes

AAV9

Adenovirus-Cre

Yes

Human Adenovirus Type5

Lentivirus

Yes

pLenti

Adeno-Associated Virus

Yes

pAAV8-CAG>EGFP:WPRE

Cell Lines

Cell Line

Cell Lines Administered to Animals in Vivo

bladder cancer cell

Yes

Mouse Breast Cancer E0771 Cancer Cell Line

Yes

Human 293T cells

No

breast cancer

Yes

Mouse B16 Cancer Cell Line

Yes

keratinocyte - non human

No

pancreatic cancer cell

Yes

lung epithelial cells - non human

No

mouse embryonic fibroblasts (MEFs)

No

human normal epithelial cell

No

bladder cancer cell

Yes

Mouse MC38 colon cancer cell

Yes

Biosafety Level :

BSL2

Meeting Notes :

Additional AAV system was included in the protocol and it will be administered to animals.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	22	0	0	0

Investigator :

Giannicola Genovese

Document No. :

[RM00003694-RN01_AM6](#)

NIH Guidelines Category :

III-D-4-b.

Agents :

Non Viral Systems

Technical Name

Is Whole Animal Used as Host

[REDACTED]

No

[REDACTED]

No

[REDACTED]

No

[REDACTED]

No

Non Viral Systems

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

[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 :

Updated IACUC protocol number due to renewal.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	22	0	0	0

Investigator :

Shih-Han Lee

Document No. :

[RM00005622-RN00_AM3](#)

NIH Guidelines Category :

III-D-3-a.

Agents :

Non Viral Systems**Technical Name**

pUC19
pCR 2.1-TOPO TA
pCMV-VSV-G
pcDNA3
PX462
psPAX2
PX461

Is Whole Animal Used as Host

No

No

No

No

No

No

No

Non Viral Systems

PX458	No
dR8.2	No
pUMVC	No
pCR Blunt II-TOPO	No
PX459	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Retrovirus	No	pSUPER.retro, pMSCV
Lentivirus	No	pLKO.1, lentiCRISPR v2, lentiGuide-puro, lentiCas9-Blast, dCas9-KRAB, pCRISPRia-v2

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
fibroblast	No
Blood cancer cell	No
Kidney cancer cell	No
prostate cancer cell	No
Lung cancer cell	No
Blood cancer	No
Bone cancer cell	No
cervical cancer cell	No
Breast cancer cell	No
Liver cancer cell	No
Brain tumor cell	No
HEK293T	No
Pancreatic cancer cell	No
Ovarian cancer cell	No
Hematopoietic stem cell	No
Colorectal cancer cell	No

Microbial Agents

Name	Administered to Animals in Vivo
E. coli	No
Biosafety Level :	BSL2
Meeting Notes :	This amendment added plasmid psPAX2 and updated individual responsible for laboratory oversight.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	22	0	0	0

Investigator : Dimitrios P Kontoyiannis
Document No. : [RM00003639-RN01_AM5](#)
NIH Guidelines Category : III-D-1-a.

Agents :

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
	Yes

Microbial Agents**Name**

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

Administered to Animals in Vivo

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Biosafety Level :

BSL2

Meeting Notes :

A terminated IACUC protocol was removed.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0

Investigator :

Andrea Viale

Document No. :

[RM00003630-RN01_AM6](#)

NIH Guidelines Category :

III-D-4-b.

Agents :

Non Viral Systems**Technical Name**

pCMV-DTReAI-Red

H2B-mCherry

pnEA-vHis

pDONR223

pCMV-DTReAI-Luc

pDEST-

pGEX-

pcDNA3

pCMV-GIP-DTR

pEGFP-

pENTR221

pBACe3.6

Is Whole Animal Used as Host

No

No

No

No

No

No

No

No

No

No

No

No

Viral Systems**Virus System**

AAV (Adeno-associated virus)

Virus Administered to Animals

Yes

Backbones

pSFTPC-CRE-bGHpA, pMIST1-CRE-bGHpA, pLGR5-CRE-bGHpA, pALB-CRE-bGHpA, pPAX8-CRE-bGHpA, pKRT8-CRE-bGHpA

pLenti 4, pLenti 6, pLenti 6.3; pLKO.1;pHAGE; pFUGW based; pCDH; pLKO; pRS117; pLentiCMV; pRS116; other vectors for shRNA library expression, pScribe5-EFS-Venus-2A-Puro-bc-3LTR

pBABE; MSCV; pMKO.1; pCL; pHIT60, VSV.g; pSUPER; pCLAmpho

Ad5CMVCre-eGFP

Lentivirus

Yes

Retrovirus

No

Adenovirus

No

Cell Lines

Cell Line

Cell Lines Administered to Animals in Vivo

Pancreatic	Yes
Ovarian Cancer cells	Yes
GP2-293 retroviral packaging cell line	No
Pancreatic [Primary]	Yes
Melanoma	Yes
Pancreatic Murine	Yes
Pancreatic	Yes
Human embryonic kidney 293T	No
Lung cancer murine	Yes
Ovarian Cancer cells	Yes
Leukemia cells	Yes
Melanoma	Yes
Lung cancer cells	Yes
Pancreatic Murine Primary	Yes
Ovarian Cancer cells (including OV206, OV213, OV215, OV218, OV225)	Yes

Microbial Agents

Name

Administered to Animals in Vivo

E.coli (BL21, BL21star, BL-21 (A-1), HMS 174, Rosetta, and similar commercial strains

No

Biosafety Level :

BSL2

Meeting Notes :

Additional IACUC protocol was linked to the project.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0
Investigator :			Francois Villinger	
Document No. :			RM00008241-RN00_AM6	
NIH Guidelines Category :			III-D-4-b.	
Agents :				

Viral Systems

Virus System

Virus Administered to Animals

Backbones

pInv-SIVsc/VSV-G

Yes

SIV under pInv promoter (Nef deleted)

Microbial Agents

Name

Administered to Animals in Vivo

SHIV-1157ipd3N4, SHIV IELp3, SHIV C109, SHIV KN1144, SHIV 162p3, SHIV AD8EO, SHIV CH505, SHIV-RT

Yes

SIV

Yes

Biosafety Level :

BSL2

Meeting Notes :

Additional IACUC protocol was linked to the project.
Enhanced safety practices are required in this protocol due to SIV/SHIV agents.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0
Investigator :			Frederick F Lang Jr	
Document No. :			RM00001698-RN01_AM6	

NIH Guidelines Category :

III-C-1.

Agents :

Viral Systems

Virus System

Adenovirus

Virus Administered to Animals

No

Backbones

N/A

Cell Lines

Cell Line

Mesenchymal Stem Cells

Cell Lines Administered to Animals in Vivo

No

Biosafety Level :

BSL2

Meeting Notes :

The amendment updates dosage, method of preparation, and method of administration of Delta-24-RGD oncolytic adenovirus agent in clinical trial. The IRB protocols is updated accordingly.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	22	0	0	0
Investigator :	Hui-Lin Pan			
Document No. :	RM00000486-RN02_AM4			
NIH Guidelines Category :	III-D-4-b.			
Agents :				
Non Viral Systems				
Technical Name	Is Whole Animal Used as Host			
pcDNA3	No			
PolyJet DNA In Vitro Transfection Reagent	No			
Viral Systems				
Virus System	Virus Administered to Animals		Backbones	
Lentivirus	Yes		shRNA	
Lentivirus	Yes		scrampled control shRNA	
Lentivirus	Yes		pGIPZ, pLKO.1, pLenti6/v5	
Adeno Associate Virus	Yes		AAV 8	
Adeno Associate Virus	Yes		WPRE2-SpA	
Rabies virus vectors	Yes		pSADdeltaG-DsRed2	
Cell Lines				
Cell Line	Cell Lines Administered to Animals in Vivo			
Rat Dorsal root ganglion cells	No			
Human embryonic kidney cells 293-FT	No			
PC-12 adrenal gland	No			
Human embryonic kidney cells 293	No			
F11 cells	No			
Microbial Agents				
Name	Administered to Animals in Vivo			
E-coli-DH5alpha	No			
Biosafety Level :	BSL2			
Meeting Notes :	Updated IACUC protocol number due to renewal.			

Disposition

Votes For

Votes Against

Votes Abstain

Votes-Recuse

Approved With Contingencies	22	0	0	0
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Investigator :	Jo Ishizawa
Document No. :	RM00002261-RN01_AM10
NIH Guidelines Category :	III-D-1-a.
Agents :	

Viral Systems

Virus System	Virus Administered to Animals	Backbones
lentivirus	No	pCD510
Lentivirus	No	lentiCRISPRv2, psPAX2, pMD2G
lentivirus	No	pMD2.G
lentivirus	No	pLV
lentivirus	No	pCD550A1
lentivirus	No	pLKO
lentivirus	No	pGIPZ
lentivirus	No	pINDUCER21
lentivirus	No	lentiGuide-Puro
lentivirus	No	psPAX2
lentivirus	No	TRIPZ
lentivirus	No	pCDH
Lentivirus	No	lentiCas9-Blast, psPAX2, pMD2G
lentivirus	No	lenti CRISPR pXPR_001

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
lymphoma	No
kidney (HEK293T)	No
leukemia	Yes
murine leukemia cell	Yes
mesenchymal stem cells	No
leukemia	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E.coli Stbl3	No
Biosafety Level :	BSL2
Meeting Notes :	rDNAs and mouse leukemia cell lines were added to the protocol.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	22	0	0	0

Investigator :	Han Xu
Document No. :	RM00006569-RN00_AM3
NIH Guidelines Category :	III-D-3-a.
Agents :	

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	psPAX2, pMD2G, lenti-Cas9-puro

Viral Systems

Lentivirus	No	psPAX2, pMD2G, pCRISPRv2
Lentivirus	No	pCW-Cas9
Lentivirus	No	psPAX2, pMD2G, lentiGuide-BSD

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

Human embryonic kidney cells	No
Melanoma (A375, SK-MEL-2, SK-MEL-28, CHL-1, A2058, SK-MEL-3, HT-144, A101D, SK-MEL-5, SH-4)	No

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

E.coli stb13	No
E.coli Endura	No
Biosafety Level :	BSL2
Meeting Notes :	Added a lentiviral vector for in vitro studies.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	22	0	0	0

Investigator :	Charles Ishak
Document No. :	RM00006794-RN00_AM9
NIH Guidelines Category :	III-D-1-a.
Agents :	

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

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

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

Lentivirus	No	pBLIV
Lentivirus	No	pCDH-CMV-MCS-EF1 α -Puro
Lentivirus	No	pLCKO2
Lentivirus	No	pLenti6.2
Lentivirus	No	pTRIP-SFFV
lentivirus	No	pCDH-puro, pGEX-4T1 (GST; n-term)
Lentivirus	No	lentiCRISPRv2 backbone

Non Viral Systems

pQC membrane Tdtomato IX	No
pCMV3-mFCGR2B-t1	No
mCherry-Tsg101	No
pRP[Exp]-Stuffer>luciferase	No
pT3-myr-AKT-HA	Yes
GPC1	No
pcDNA3-RLUC-POLIOIRES-FLUC	No
pcDNA3.3_mCherry	No
pD2528-CMV-P.1 Spike Protein	No
a2 PD5 (4825Y)	No
pcDNA	No
pD2528-CMV_RBD-TwinStrep-VSV-G_TM_Chimera	No
pcDNA3 GFP PTEN	No
pT3-N90-beta-catenin	Yes
pD2529-CMV	No
pCMV/SB11	No
pCI neo-hEST2-globin mRNA vector	No
mPlum-C1	No
pCMV3-mTNFSF9	No
pGL4.75[hRluc/CMV] Promoter	No
C2 CANSTATIN pc BFT midi	No
pCI neo-hEST2	No
MMTV-cFos-SV40	Yes
pcDNA3-OVA	No
pCMV3-CD40LG	No
pGL3	No
pD2528-CMV_B.1.1.526	No
pD2528-CMV	No
FSP 1 II S4P	No
aSMA-RFP	No
pFLAG CMV 6A Clone 1 (MD 010508)	No
mCherry-CD9-10	No
pRK5-EGFP-Tau	No
ACE2-mFc	No
pCMV/SB10	No
pD2528-CMV-B.1.351 Spike protein	No
SARS-CoV-2 spike protein mRNA	Yes
gRNA Smad4 mouse target #2 gene knockout plasmid	No
pD2529-CMV_ACE2_human_C-trunc-VSV-G-tm	No
pRosa26-DEST	No
pFLAG CMV 6A Clones 1-5	No
CANSTATIN Pet 2B	No
pCMV4a-Flag-c-Myc	No
tdTomato-C1	No
Cerulean-N1	No
pGL4.24 [luc2P/minP]	No
CMV T II Pet 28 Clone	No

Non Viral Systems

pcDNA3 LIC cloning vector	No
pcDNA3-YFP	No
pCep. PU	No
pDESTmycDicer	No
pD2528-CMV_QHD43416.1_C-trunc-VSV-G-tm	No
Human GPC-1 overexpression plasmid	No
pD2528-CMV-QHD43416.1_C-trunc_400492	No
GGT-SV40	No
TK-TQ 004	No
T7 PelB His6	No
Perk WT	No
MtPT4-eGFP	Yes
pD2528-CMV_QHD43416.1-VSV-G-tm	No
Flag-P53/pRK5	No
pcDNA3.1-CMV-CFP;UBC-Cre25nt	No
PDGFRB-PDsRed	No
pCMV6-AC-mGFP	No
pD2528-CMV_QHD43416.1_C-trunc	No
pCMV-Mark2-tGFP,	No
NG2-TK	No
pCMV NYC CRI (MIMI)	No
SB100X in pCAG globin pA	Yes
pCMV3-C-GFPSpark-BACE1 cDNA ORF Clone	No
pGL4 [luc2P/COLA1A/Hygro]	No
pVax1-hVEGF165	No
pSpCas9(BB)-2A-GFP (PX458)	No
NG2-YFP	No
pMetLuc-Mem Control	No
499328: pD2528-CMV-472997	No
mEmerald-CD9-10	No
a2 PD5 + CAR	No
pCMV3-untagged	No
pEGFP-C1	No
pPalmitoyl-mTurquoise2	No
pCMV5 DPC4 (1-514)	No
pcDNA3-SARS-CoV-2-RBD-8his	No
mouse Pcd1lg2 donor plasmid	No
PCD FL0X	No
GFP-p53	No
pCMV3-mCD2	No
pD2528-CMV-B.1.1.526	No
PresentER-SIINFEKL (GFP)	No
pD2528-CMV-B.1.617.2 Spike Protein	No
pRK5-EGFP-Tau E14	No
Perk K618A	No
pcBFT Col 18 NCL Clone D	No
pEGFP-n1-APP	No

Non Viral Systems

pSpCas9(BB)-2A-Puro (PX459)	No
pLV[Exp]-Bsd-EF1A>{mTrp53[NM_011640.4]*_R245W}	No
mCherry-CD81-10	No
pT2/Onc	No
Oct4 KLF4 Sox2 c-Myc	No
mEmerald-CD81-10	No
PCMV3-mCD40LG	No
pCMV3-C-His_SARS-CoV-2 (2019-nCoV) Nucleoprotein Gene ORF cDNA clone expression plasmid	No
pPAmCherry1-C1	No
pcBFT-Col 18 TSPN Clone 1	No
EBFP2-C1	No
MCX K11F1 PC BFT	No
pCMV3-CD80	No
pIRES2-EGFP-p53 WT	No
pCMV3-C-His_SARS-CoV-2 (2019-nCoV) Spike RBD Gene ORF cDNA clone expression plasmid	No
pDsRed Express 1	No
pD2528-CMV:499328	No
pT3-EF1A-MYC-IRES-luc	Yes
Drosha WT	No
pCAG-mGFP	No
L3L4_pD223_DTA	Yes
mouse Gpc1 donor plasmid	No
pEGFP-AGO2	No
mCherry-hALIX	No
nCov-1 nCov-2P-F3CH2S	No
mouse Tgfbr2 donor plasmid	No
mouse Smad4 donor plasmid	No
pCMV6-Entry	No
Zeb1	No
pD2528-CMV_RBD-VSV-G_TM_Chimera	No
α SMA-TK	No
PGC1a flag	No
472997: pD2528-CMV-472997	No
pD2528-CMV-C.37 Spike Protein	No
pD2528-CMV-IVT mRNA vector	No
pCMV14-3X-Flag-SARS-CoV-2 S	No
pCMV-Mark3-tGFP	No
FSP1-GFP	No
pD2528-CMV_RBD-VSV-G_TM_Chimera	No
pCMVTag4-Dicer	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Baculovirus	No	pCMV-Dest
Lentivirus	No	CD19-CD28-CD3z-T2A-tEGFR, pHAGE PGK-GFP-IRES-LUC-W, tet-

Viral Systems

		pLKO-puro shScramble, pCW57.1 shAgrin, pCW57.1 shScramble, pLVX puro CD63-GFP, TetO FUW OSKM, TetO-FUW-pgk-puro, pLV-hTERT-IRES-hygro, pLVX-Tight-Puro-KrasG12D2B, p-VSV-G, psPAX2
Lentivirus Particles	Yes	CRISPR-Cas9-sgVHL, CRISPR-Cas9, pLenti CMV/TO SV 40 small + Large T (w612-1), pLenti-C-mGFP-P2A-Puro, LentiCas9-Blast Plasmid, pLKO.1-puro, CMV-Bsd-CFP
Lentivirus	No	Human CRISPR Knockout Pooled Library (GeCKO v2), Toronto KnockOut (TKO) CRISPR Library - Version 3
Adenoassociated virus (AAV)	No	AAV control, AAV ATDC, AAV CEACAM, AAV CTSE, AAV KLK10 or AAV KTLLPTP
Adenovirus	Yes	Premade Adenovirus with ORF of claudin 5 (CLDN5), transcript variant 2 with C terminal Flag and His tag, AD-CMV-Luc, pAD-RFP
Simian immunodeficiency virus (SIV)	No	pSIV3, pCMV-VSV-G, psPAX2, pCMV-Luc2-IRES-mCherry, pcDNA3-spike expression
Adenovirus	Yes	pAdEasy, Ad-Null, Ad-mCherry-Cre, Ad-GFP-2A-iCRE, Ad-DET1, Ad-CMV-FLPO
Adenoassociated virus (AAV)	No	AAV9-mCldn5-o4-shRNA and AAV9-anti-luc-control-shRNA
Lentivirus	Yes	Trp53 donor plasmid, Negative Scramble, gRNA, Scramble Negative, E1a-EGFPcre; gRNA 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
Recombinant vesicular stomatitis virus	Yes	pBS-N-ΦT, pVSV-ΔG-GFP, pVSV-ΔG-Luciferase, pBS-L-ΦT, pCAGGS-G, pCAGGS-G, pcDNA-FLAG-VSVG, pBS-P-ΦT, pcDNA3-SARS-CoV-2-RBD-8his, pD2528-CMV-B.1.351 Spike protein, pD2528-CMV_B.1.1.526, pD2528-CMV-P.1 Spike Protein, pD2528-CMV-QHD43416.1
Lentivirus	No	pCT-CD63-GFP, CMV-hTERT, pLenti-P3A, pLenti-P3B, pLenti-P3C, pLenti-pHluorin_M153R-CD63, pLenti CMV Blast dest, F-Luc/mcherry, pHAGE-BRAF-V600E, PLX302 Luciferase-V5 puro
Lentivirus	No	pDual-ACE2, pCMV-VSV-G, psPAX2
Recombinant vesicular stomatitis virus	Yes	pBS-N-ΦT, pVSV-ΔG-GFP, pVSV-ΔG-Luciferase, pBS-L-ΦT, pCAGGS-G, pcDNA-FLAG-VSVG, pBS-P-ΦT,

Viral Systems

Lentivirus	No	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	Yes	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)
Retrovirus	No	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
Lentivirus	Yes	pBabe, pHIT60, pWZI, pLPC, pMSCV, pLNCX, pRS, pRFP-C-RS, pGFP-V-RS, pUMVC, pBabe-KrasG12D, pLNCX2Scrib, pLPC-scribP305L
Lentivirus	Yes	pCMV-VSV-G, pLentiCRISPRv2, LV/Cas9-Claudin2-sgRNA1,2, LV/Cas9-Claudin10-sgRNA1,2 EGFP gRN, lenti-CRISPR-Cas9-GFP vector, ITR-U6-sgRNA(Kras)-U6-sgRNA(p53)-U6-sgRNA(APC)-pEFS-Rluc-2A-Cre-shortPA-KrasG12D_HDRdonor-ITR (AAV-KPL) vector
Lentivirus	No	pMD2.G, psPAX2, pRDA_550_CHRNA4gRNA, pRDA_550_SERPINB14gRNA, pRDA_550_FCGBPgRNA, pRDA_550_PCNAgRNA

Cell Lines

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

Cell Lines

Pancreas Cancer (human)	Yes
Fibroblasts (mouse)	Yes
Kidney Cancer (human)	Yes
Melanoma (human)	No
Breast Cancer (Mouse)	Yes
Exosomes derived from cell lines transfected with SARS-CoV-2 proteins	No
Prostate Cancer (mouse)	Yes
Brain Cancer (mouse)	Yes
293F	No
Prostate Cancer (human)	Yes
Colon Cancer (mouse)	Yes

Microbial Agents

Name	Administered to Animals in Vivo
Bacteroides thetaiotaomicron	Yes
Helicobacter mesocricetorum	Yes
E.coli k-12	No
Biosafety Level :	BSL2
Meeting Notes :	Amendment is to add additional lentiviral constructs, plasmids and genes for in vitro and in vivo studies.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	22	0	0	0

Investigator : Liuqing Yang
Document No. : [RM00000263-RN02_AM12](#)
NIH Guidelines Category : III-D-1-a.
Agents :

Non Viral Systems

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

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	psPAX2
Lentivirus	No	Lenti-X HTX
Lentivirus	No	pLV-H1 TetO-GFP-Puro
Retrovirus	No	pUMVC
Lentivirus	No	pMD2.G
Retrovirus	No	SFG

Viral Systems

Lentivirus	No	pCMV-dR8.2
Lentivirus	No	pLKO.1-Puro
Lentivirus	No	lentiCas9-Blast
Lentivirus	No	pLV[CRISPR]-hCas9:T2A:Puro-U6
Retrovirus	No	MSCV
Lentivirus	No	LentiGuide-Puro
Lentivirus	No	pCMV-VSVG

Cell Lines

Cell Line

Cell Lines Administered to Animals in Vivo

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

Microbial Agents**Name**

E.coli DH5-alpha

Biosafety Level :

Meeting Notes :

Administered to Animals in Vivo

No

BSL2

New genes were added for knocking out or overexpressing experiments in vitro.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	22	0	0	0

Investigator :

Steven Hsesheng Lin

Document No. :

[RM00008451-RN00_AM1](#)

NIH Guidelines Category :

III-D-4-a.

Agents :

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

Yes

Yes

Yes

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

Yes

Yes

BSL2

Biosafety Level :

Meeting Notes :

Added coding for antigens for in vivo administration.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0

Investigator :

Francois Villinger

Document No. :

[RM00008841-RN00_AM2](#)

NIH Guidelines Category :

NA

Agents :

Microbial Agents**Name**

Corona virus 2 (Wuhan)

Biosafety Level :

Meeting Notes :

Administered to Animals in Vivo

Yes

BSL2

This amendment adds SIVgag protein to clarify the nanoparticles used for immunization with TLR1/1-SNP and incorporates EHS-requested details, including the use of face shields and other personalprotective equipment (PPE) for protection against COVID-19 during intratracheal delivery in rhesusmonkeys.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	22	0	0	0

Investigator :

Blaine Bartholomew

Document No. :

[RM00000422-RN02_AM1](#)

NIH Guidelines Category :

III-D-1-a.

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pCMV6-AC-GFP-rtTA	No
pET vector encoding xenopus histone H3 T22C mutant gene, Amp	No
pET3a vector encoding xenopus histone H4 25C mutant , Amp	No
pET vector encoding xenopus histone H2A STT mutant gene, Amp	No
pET vector encoding xenopus H2B44C mutant gene, Amp	No
plasmid with 13 copies of myc tag and HIS marker	No
yIplac-Snf2-2FLAG-LEU2 with L1370A mutation in Snf2	No
Yeast Snf5-2FLAG-LEU2	No
Yeast histone H2A WT Kan resistance	No
pET vector encoding xenopus histone H2A 68C mutant gene, Amp	No
pET vector encoding xenopus histone H3 R41C mutant gene, Amp	No
pET3a vector encoding xenopus histone H4 25C mutant , Amp	No
pET vector encoding xenopus histone H3 F84C mutant gene, Amp	No
pET vector encoding xenopus histone H4 gene, Amp	No
pET vector encoding xenopus histone H2B gene, Amp	No
yIplac-2FLAG bacterial/yeast shuttle vector with 2X FLAG tag added	No
pGEM601b Variant of the 601 positioning sequence	No
pFA6a-13myc tag-KanMX6 selection	No
pET vector encoding xenopus histone H3 C110A mutant gene, Amp	No
JP-931	No
pET vector encoding xenopus histone H2A 76C mutant gene, Amp	No
pET vector encoding xenopus histone H2A 89C mutant gene, Amp	No
pET vector encoding xenopus globular H2A gene, Amp	No
pET vector encoding xenopus histone H3 T3C mutant gene, Amp	No
pET vector encoding xenopus histone H2A 113C mutant gene, Amp	No
pET vector encoding xenopus histone H2A G2C mutant gene, Amp	No
yIplac-Snf2-2FLAG-LEU2 with R1354A mutation in Snf2	No
Snf2 ATPase replaced by Ino80ATPase, Kan downstream of Snf2 gene	No
pET vector encoding xenopus histone H3 T22C mutant gene, Amp	No
pET vector encoding xenopus globular histone H2B gene, Amp	No
pGEM3Z601 octamer positioning sequence	No

Non Viral Systems

pET3a vector encoding xenopus histone H4 22C mutant , Amp	No
pET3a vector encoding xenopus histone H3 80C mutant , Amp	No
yIplac-SWI2-2FLAG-LEU2 with E1366A, Q1368A mutation in SWI2	No
pET vector encoding xenopus histone H2A 12C mutant gene, Amp	No
pET vector encoding xenopus histone H2A gene, Amp	No
pET vector encoding xenopus histone H2B A53C mutant amp	No
YEAST histone H4 WT Kan resistance	No
601 nucleosome positioning sequence with gal4 binding site p159-601-1G27	No
plasmid with 13 copies of myc tag and HIS marker	No
pFA6a-6XGLY-3xFLAG-kanMX6	No
601-603 dinucleosome with 31bp middle linker cloned in p159-1G27 p159-1-601-603-31bp linker	No
pET vector encoding xenopus histone H3 120C mutant gene, Amp	No
pET3a vector encoding xenopus H2B 109C mutant , Amp	No
pCAG-3XFLAG-hCas9-IRES-GFP	No
pET vector encoding xenopus histone H2B 53C mutant gene, Amp	No
Yeast Snf2-2FLAG-LEU2	No
pET vector encoding xenopus histone H2B 44C mutant gene, Amp	No
yIplac-Snf2-2FLAG-LEU2 with R1316A, L1317A mutation in Snf2	No
pRS416	No
pET vector encoding xenopus histone H3 G12C mutant gene, Amp	No
Yeast integrated plasmid with flag tagging inserted 2FLAG	No
pET vector encoding xenopus histone H3 A7C mutant gene, Amp	No
pET vector encoding xenopus histone H3 33C mutant gene, Amp	No
pET vector encoding xenopus histone H2A 113C mutant gene, Amp	No
pET3a vector encoding xenopus histone H2B 44C mutant , Amp	No
pET vector encoding xenopus histone H3 A7C mutant gene, Amp	No
pET vector encoding xenopus globular histone H3 gene, Amp	No
Yeast integrated plasmid with yeast Snf6 protein code and 2X fLAG	No
pET vector encoding xenopus histone H2A STT mutant gene, Amp	No
pET vector encoding xenopus globular histone H3 gene, Amp	No
pET vector encoding xenopus histone H3 57C mutant gene, Amp	No
p199-601 Variant of the 601 positioning sequence	No

Non Viral Systems

pET vector encoding xenopus histone H2A 60C mutant gene, Amp	No
pET vector encoding xenopus globular histone H4 gene, Amp	No
Expression vector containing Pho4 gene of budding yeast	No
yIplac-Snf2-2FLAG-LEU2 with Y1359A mutation in Snf2	No
pET vector encoding xenopus histone H2B 18C mutant gene, Amp	No
Yeast histone H2B WT Kan resistance	No
yIplac-Snf2-2FLAG-LEU2 with E1322A, E1324A mutation in Snf2	No
Yeast histone H3 WT Kan resistance	No
pET vector encoding xenopus histone H2B 120C mutant gene, Amp	No
plasmid with 13 copies of myc tag and Trp marker	No
pEntry-rtTA	No

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
HCC827, human non-small cell lung cancer (NSCLC) cell line	No
PC-9 cells are a human non-small cell lung cancer (NSCLC) cell line derived from adenocarcinoma	No
Fibroblast	No
Mouse Embryonic Stem Cells	No
A549, adherent human lung cancer cell line	No

Microbial Agents

Name	Administered to Animals in Vivo
A549 Cancer Cell Line	No
HCC 8827	No
PC-9	No
BL21DE3	No
saccharomyces cerevisiae	No
Biosafety Level :	BSL2
Meeting Notes :	This is an amendment to add two plasmids and three cell lines to an existing protocol.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	22	0	0	0
Investigator :	Lawrence Kwong			
Document No. :	RM00002361-RN01_AM8			
NIH Guidelines Category :	III-D-1-a.			
Agents :				

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pX330	No
pT3	Yes
pHIT60, pVSVG	No
psPax2, pMD2.G	No

Viral Systems**Virus System**

Retrovirus

Lentivirus

Virus Administered to Animals

No

No

Backbones

pBabe, pLENC

pLenti6.3; pLKO.1; pHAGE;
pLentiCrisprv2; pLIX-403; and other
lentiviral vectors**Cell Lines****Cell Line**

Melanoma

293T

Melanoma

Lung immortalized normal cells

Bladder carcinoma

Melanoma

Lung carcinoma

Melanoma

Prostate Cancer

Cholangiocarcinoma

Ewing's Sarcoma

Cell Lines Administered to Animals in Vivo

No

No

No

Yes

Yes

No

No

No

Yes

Yes

No

Microbial Agents**Name**

e coli dh5a

Biosafety Level :

Meeting Notes :

Administered to Animals in Vivo

No

BSL2

Cell lines and lentiviral constructs expressing three different
fusion proteins of interest have been added Personnel have
been added.**Disposition****Votes For****Votes Against****Votes Abstain****Votes-Recuse**

Approved

21

0

0

1

Investigator :

Pramod N Nehete

Document No. :

[RM00003066-RN01_AM2](#)

NIH Guidelines Category :

III-D-4-b.

Agents :

Viral Systems**Virus System**

Adenovirus

Virus Administered to Animals

Yes

BackbonesSingle-cycle adenovirus serotype 6
(BSL2), SC-Ad-Kate-Luc, SC-Ad-RSV-
54 clade C gp160, SC-Ad-54 clade B
gp160**Cell Lines****Cell Line**

Blood

Biosafety Level :

Meeting Notes :

Cell Lines Administered to Animals in Vivo

No

BSL2

The amendment adds updated information to the IACUC
protocol, including revised proposal details and the specific
viral vector backbones being used.**Disposition****Votes For****Votes Against****Votes Abstain****Votes-Recuse**

Approved With Contingencies	22	0	0	0
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Investigator : Wen Jiang
Document No. : [RM00006090-RN00_AM14](#)
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	Cell Lines Administered to Animals in Vivo
T cells	Yes
Macrophages	Yes
293T	No
Mouse brain tumor cells	Yes
Breast cancer cell	Yes
Human brain tumor cells	Yes
Peripheral blood mononuclear cell	No
Macrophages	Yes
Biosafety Level :	BSL2
Meeting Notes :	Added mRNA lipid nanoparticles to the list of RG1 agents for in vivo use.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	22	0	0	0

Investigator : Gabriel Pagnotti
Document No. : [RM00006218-RN00_AM9](#)
NIH Guidelines Category : III-D-1-a.
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
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Non Viral Systems

pcDNA	No
pHA-SRI	No
pIRES- 2DsRed1	No
pIRES-puro3	No
pIRES2-AcGFP1	No
pGEM HE	No
pcDNA 3.2	No
pCMV	No
pHA-PI4K2A	No
pIES-neo3	No
pIRES-hyg3	No

Viral Systems

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

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Medullary thyroid cancer MZCRC1	Yes
Human tissue samples	No
Mouse anaplastic thyroid cancer (ATC) cell line	Yes
Breast cancer Hs578T	No
Melanoma 1205Lu	No
Mouse cell line MLO-Y4	No
Breast Cancer SUMM44PE	Yes
Human blood samples	No
Breast Cancer BCX.004 - PDX	Yes
Prostate cancer VCap	No
Prostate cancer LuCap23.1	No
Prostate cancer C4-2B	No
Breast Cancer PDX.003.232 - PDX	Yes
Mouse cancer cell line B16-F1	No
Multiple myeloma JJN3	No
Breast Cancer PDX.003.025 - PDX	Yes
Breast Cancer MDA-MB-134	Yes
Prostate cancer MDA-PCa-2b	No
Medullary thyroid cancer MTC-TT	Yes
Rat cancer cell line UMR106	No
Prostate cancer PC-3	Yes
HEK293T human embryonic kidney cells	No
Breast Cancer WCRC25	Yes
Prostate cancer C4	No
Breast cancer T47-D	No
Breast cancer ZR-75-1	No
Lung cancer RWGT2	No
Mouse cell line C3H10T1/2	No
Multiple myeloma 5TGM1	Yes
Mouse cancer cell line 4T1	Yes

Cell Lines

Lung cancer A549	No
Breast cancer MCF10A	No
Breast cancer MCF-7	Yes
Breast cancer MDA-MB-231 - MFSD14A KO	Yes
Mouse cancer cell line B16-cOVA	No
Prostate cancer DU145	No
Hepatocarcinoma HepG2	No
Breast Cancer WEP2	Yes
Breast Cancer WEP3	Yes
Mouse cell line NIH-3T3	No
Prostate cancer C4-2	No
H1299 human NSCLC	No
Breast cancer MDA-MB-435s	No
Prostate cancer LnCaP	Yes
Breast cancer MDA-MB-231	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E.coli XL1	No
E. coli K12 JM109	No
E.coli HB101	No
Biosafety Level :	BSL2
Meeting Notes :	They added recombinant plasmids expressing human and mouse MFSD14A and various breast cancer cell lines.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	22	0	0	0
Investigator :	Humam N Kadara			
Document No. :	RM00003627-RN01_AM14			
NIH Guidelines Category :	III-D-4-b.			
Agents :				

Non Viral Systems

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

Viral Systems

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

Viral Systems

Lentivirus	No	pLenti CMV V5-LUC
Adeno-associated virus serotype 5	Yes	Recombinant AAV

Cell Lines

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

Microbial Agents

Name	Administered to Animals in Vivo
Influenza A	Yes
Sendai virus	Yes
DH5a cells	No
Biosafety Level :	BSL2
Meeting Notes :	Updated IACUC protocol number due to renewal.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	22	0	0	0

Investigator : Sattva S Neelapu
Document No. : [RM00000070-RN02_AM8](#)
NIH Guidelines Category : III-D-4-b.
Agents :

Non Viral Systems

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

Viral Systems

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

Viral Systems

No
Yes

Cell Lines

Cell Line

Cell Lines Administered to Animals in Vivo

Yes
Yes
No
Yes
No
Yes
Yes
Yes

Microbial Agents

Name

Biosafety Level :

Meeting Notes :

Administered to Animals in Vivo

No

BSL2

This amendment added additional protocol objectives, and genes. An amendment is under IACUC review to add the work.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	22	0	0	0

Investigator :

Document No. :

NIH Guidelines Category :

Agents :

Dimitrios P Kontoyiannis

[RM00000336-RN02_AM5](#)

NA

Microbial Agents

Name

Aspergillus fumigatus Af293
Influenza A/PR/*/34
Aspergillus flavus
Aspergillus niger
A. alabamensis
Aspergillus fumigatus developmental mutant FL
Aspergillus terreus
RSV A2 VR-154

Biosafety Level :

Meeting Notes :

Administered to Animals in Vivo

Yes
No
No
No
No
No
No
No

BSL2

This amendment removes two of the three IACUCs associated with this IBC-RM protocol. Among other contingencies, the removal of the IACUC protocols requires that microbial agents in those registrations need to be removed from study, or that the remaining IACUC is amended.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0

Investigator :

Document No. :

Rafael Casellas

[RM00006115-RN00_AM16](#)

III-D-4-a.

Non Viral Systems

Is Whole Animal Used as Host

Gender	Percentage
Men	10%
Women	15%

No
No
No
No
Yes

Virus System

Gender	Percentage
Male	75%
Female	85%
Total	80%
Don't know	0%

Virus Administered to Animals

No
No
No
No

Backbones

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

Cell Line

Age Group	Percentage of Respondents
18-29	95%
30-49	88%
50-64	82%
65+	61%

Cell Lines Administered to Animals in Vivo

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

Name

Administered to Animals in Vivo

No

BSL2

Added cell lines for in vivo use. IACUC protocols were updated accordingly.

Votes For

Votes Against

Votes Abstain

Votes-Recuse

21

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Hind Rafei

RM00008813-RN00 AM2

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

Agents :

Non Viral Systems

Technical Name

sgRNA, crRNA

Is Whole Animal Used as Host

No

Viral Systems

Virus System

RETROVIRUS

retrovirus

lentivirus

Virus Administered to Animals

No

No

No

Backbones

pRetro

SFG

pHAGE - HIV-1 based backbone (2nd generation lentivirus)

Cell Lines

Cell Line

Human pancreatic stellate cells (hPSCs)

Normal fibroblasts

Normal fibroblasts

cancer-associated fibroblasts

293T

human primary cells - Peripheral blood mononuclear cells

293GP

Patient-derived kidney cancer organoids

PDX-derived kidney cancer cells

kidney cancer

cancer-associated fibroblasts

Cell Lines Administered to Animals in Vivo

Yes

Yes

Yes

Yes

No

Yes

No

Yes

Yes

Yes

Yes

Biosafety Level :

BSL2

Meeting Notes :

Added new IACUC protocol to this registration.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	22	0	0	0

Investigator :

Honami Naora

Document No. :

[RM00000166-RN02_AM6](#)

NIH Guidelines Category :

III-D-1-a.

Agents :

Non Viral Systems

Technical Name

pGCP-Gag/Pol

pCas-Guide-GFP-CRISPRa

pVSV-G

pIRES-RFP

pCMVTag

pIRES-EGFP

pcDNA4

Is Whole Animal Used as Host

No

No

No

No

No

No

No

Viral Systems

Virus System

Lentivirus

Virus Administered to Animals

No

Backbones

pReceiver, pGIPZ, psPAX2, pMD2.G

Viral Systems

retrovirus

No

HuSH, pLNCX, pLPCX, pLHCX,
pMXS-IRES-GFP, pRetroQ-AcGFP,
pRetroQ-DsRed, MIGR1, MSCV-
pBabeMCS-IRES-RFP, MSCV-IRES-
GFP, pQCXIP

Cell Lines

Cell Line

omental mesothelial cells

colorectal cancer

vascular endothelial cells

293T embryonic kidney

ovarian epithelium

kidney cancer

liver cancer

ovarian cancer

endometrial cancer

lung cancer

cervical cancer

peritoneal fibroblasts

peritoneal macrophages

colorectal cancer

prostate cancer

ovarian cancer

adipose mesenchymal stem cells

breast cancer

vascular endothelial cells

embryonic kidney

fallopian tube epithelial cells

Cell Lines Administered to Animals in Vivo

No

Yes

No

No

Yes

No

No

Yes

No

No

No

No

No

No

No

Yes

No

No

No

No

Yes

Microbial Agents

Name

E.coli DH5-alpha

Administered to Animals in Vivo

No

Biosafety Level :

BSL2

Meeting Notes :

Added new IACUC protocol to this registration.

Disposition

Votes For

Votes Against

Votes Abstain

Votes-Recuse

Approved With
Contingencies

22

0

0

0

Investigator :

Katy Rezvani

Document No. :

[RM00002650-RN01_AM15](#)

NIH Guidelines Category :

III-D-1-a.

Agents :

Non Viral Systems

Technical Name

[REDACTED]

Is Whole Animal Used as Host

No

[REDACTED]

No

[REDACTED]

No

[REDACTED]

No

Non Viral Systems

Country	Share of respondents
North Macedonia	35%
Albania	30%
Montenegro	28%
Bosnia and Herzegovina	25%
Slovenia	24%
Serbia	24%
North Albania	23%
North Montenegro	18%
North Bosnia and Herzegovina	22%
North Serbia	20%
North North Macedonia	20%
North Albania (second)	18%
North Montenegro (second)	17%
North Bosnia and Herzegovina (second)	25%
North Serbia (second)	15%
North North Macedonia (second)	30%
North Albania (third)	12%
North Montenegro (third)	18%
North Bosnia and Herzegovina (third)	15%
North Serbia (third)	12%
North North Macedonia (third)	10%
North Albania (fourth)	18%
North Montenegro (fourth)	15%
North Bosnia and Herzegovina (fourth)	12%
North Serbia (fourth)	10%
North North Macedonia (fourth)	8%
North Albania (fifth)	15%
North Montenegro (fifth)	12%
North Bosnia and Herzegovina (fifth)	10%
North Serbia (fifth)	8%
North North Macedonia (fifth)	5%
North Albania (sixth)	12%
North Montenegro (sixth)	10%
North Bosnia and Herzegovina (sixth)	8%
North Serbia (sixth)	5%
North North Macedonia (sixth)	3%
North Albania (seventh)	10%
North Montenegro (seventh)	8%
North Bosnia and Herzegovina (seventh)	5%
North Serbia (seventh)	3%
North North Macedonia (seventh)	2%
North Albania (eighth)	8%
North Montenegro (eighth)	5%
North Bosnia and Herzegovina (eighth)	3%
North Serbia (eighth)	2%
North North Macedonia (eighth)	1%
North Albania (ninth)	5%
North Montenegro (ninth)	3%
North Bosnia and Herzegovina (ninth)	2%
North Serbia (ninth)	1%
North North Macedonia (ninth)	0.5%
North Albania (tenth)	3%
North Montenegro (tenth)	2%
North Bosnia and Herzegovina (tenth)	1%
North Serbia (tenth)	0.5%
North North Macedonia (tenth)	0.2%

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Adenovirus	No	Adenovirus
Adenovirus	No	Adenovirus
Adenovirus	No	Adenovirus
Adenovirus	No	Adenovirus
Adenovirus	No	Adenovirus

Viral Systems

[illegible]

Cell Lines

Cell Line

[illegible]

Cell Lines Administered to Animals in Vivo

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

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

[illegible]

Name

Meeting Notes :

No

Diverse cell lines were added to the protocol. Experimental plan and IACUC were updated accordingly.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	22	0	0	0

Agents :

Kathleen Marie McAndrews
RM00007830-RN00_AM5
III-D-4-b.

Technical Name
pGL4.50[luc2/CMV/Hygro]
pPalmitoyl-mTurquoise2
pPAmCherry1-C1
pCMV6-CD63-GFP
pcDNA3-CFP
mEmerald-CD81-10

No
No
No
No
No
No

Non Viral Systems

mEmerald-CD9-10	No
pCMV6-AC-mGFP	No
pSpCas9(BB)-2A-Puro (PX459)	No
mCherry-CD81-10	No
mCherry-CD9-10	No
pQC membrane Tdtomato IX	No
mCherry-Tsg101	No
mCherry-hALIX	No
pcDNA3.3_mCherry	No
pCMV-Mark3-tGFP	No
pMetLuc-Mem Control	No
pCMV-Mark2-tGFP	No

Viral Systems

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

Cell Lines

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

Cell Lines

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

Microbial Agents

Name	Administered to Animals in Vivo
E.coli k-12	No
Biosafety Level :	BSL2
Meeting Notes :	This amendment adds a plasmid for report assays and updates the research facility room number.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0

Investigator : Min Gyu Lee
Document No. : [RM00000563-RN03_AM1](#)
NIH Guidelines Category : III-D-4-b.
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
EZ-Tet-pLKO-Puro	No
pEGFP-N1	No
pHAGE	No
pBabe	No
pcDNA3	No
pGL3	No
pGEX-6P-1	No
pET-28a	No
pGKNeoF2L2DTA	No
pGL4	No
TetO-PAF-IRES-emGFP-BGHpA-pCR2.1	No
pFLAG-CMV	No
pLenti CMV V5-LUC Blast	No
pDONR223	No
pLenti6.3/V5-DEST	No
p3XFLAG-CMV-14	No
pDEST26-C-FLAG	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Adenovirus	Yes	Ad-K5-Cre (= Ad5-bK5-Cre in pacAd5)
Adenovirus	Yes	Ad-SPC-Cre (= Ad5-mSPC-Cre in pacAd5)
Retrovirus	No	pBABE
Adenovirus	Yes	Ad5-CMV-Cre-CMV-GFP
Adenovirus	Yes	pAdCMVpL-IRES GFP loxP
Retrovirus	No	MSCV-IRES
Lentivirus	Yes	PLKO.1

Viral Systems

Lentivirus	Yes	PCDH-EF1-MCS-IRES-GFP
Baculovirus	No	pFASTBAC HTb
Adenovirus	Yes	pAdCMVpLpA(-)loxP

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Insect cells	No
Breast cancer cells	Yes
293T	No
Breast epithelial cells	No
Malignant pluripotent embryonal carcinoma	No
Kidney cancer cells	No
Lung cancer cells	Yes
Prostate cancer cells	Yes
medulloblastoma cancer cells	Yes
Cervical cancer cells	No
medulloblastoma cells	No
Mouse embryonic stem cells	No

Microbial Agents

Name	Administered to Animals in Vivo
E.coli (e.g., DH5 alpha, SCS110, XL1-Blue, JM109, and DH10Bac)	No
Biosafety Level :	BSL2
Meeting Notes :	This amendment adds replication-deficient adenoviral vectors for conditional gene recombination in approved mouse models

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	22	0	0	0

Investigator : Susan Bullman
Document No. : [RM00007970-RN00_AM13](#)
NIH Guidelines Category : III-D-1-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

Cell Lines

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

Microbial Agents

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 :	Two bacterial strains added to the list of microbial agents.

8. ADMINISTRATIVE MODIFICATIONS

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0

Investigator : John Victor Heymach

Document No. : [RM00000523-RN02_AM28](#)

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name

[REDACTED]

Is Whole Animal Used as Host

No

[REDACTED]

No

[REDACTED]

No

[REDACTED]

No

[REDACTED]

No

[REDACTED]

No

Viral Systems

Virus System

[REDACTED]

Virus Administered to Animals

No

Backbones

[REDACTED]

[REDACTED]

No

[REDACTED]

No

[REDACTED]

[REDACTED]

Yes

[REDACTED]

Yes

[REDACTED]

Yes

[REDACTED]

Yes

[REDACTED]

Viral Systems

[REDACTED]

No

[REDACTED]

Cell Lines

Cell Line

Cell Lines Administered to Animals in Vivo

[REDACTED]

No

[REDACTED]

No

[REDACTED]

Yes

[REDACTED]

Yes

[REDACTED]

No

[REDACTED]

No

[REDACTED]

No

[REDACTED]

No

[REDACTED]

Yes

[REDACTED]

Yes

[REDACTED]

Yes

[REDACTED]

No

[REDACTED]

No

[REDACTED]

No

[REDACTED]

Yes

[REDACTED]

No

[REDACTED]

No

Microbial Agents

Name

Administered to Animals in Vivo

[REDACTED]

Yes

[REDACTED]

No

Biosafety Level : BSL2
Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0

Investigator : Nicholas Short
Document No. : [RM00008168-RN00_AM1](#)

NIH Guidelines Category :

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

Biosafety Level : BSL2

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0

Investigator : Shih-Han Lee
Document No. : [RM00005622-RN00_AM4](#)

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pCMV-VSV-G	No
pUMVC	No
PX461	No
pUC19	No
PX458	No
PX462	No
psPAX2	No
pCR 2.1-TOPO TA	No
PX459	No
pCR Blunt II-TOPO	No
pcDNA3	No
dR8.2	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pLKO.1, lentiCRISPR v2, lentiGuide-puro, lentiCas9-Blast, dCas9-KRAB, pCRISPRia-v2
Retrovirus	No	pSUPER.retro, pMSCV

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
fibroblast	No

Cell Lines

Blood cancer cell	No
Bone cancer cell	No
cervical cancer cell	No
Lung cancer cell	No
Kidney cancer cell	No
Liver cancer cell	No
Hematopoietic stem cell	No
Colorectal cancer cell	No
prostate cancer cell	No
Ovarian cancer cell	No
Brain tumor cell	No
Pancreatic cancer cell	No
HEK293T	No
Blood cancer	No
Breast cancer cell	No

Microbial Agents

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

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0

Investigator : Jean Gautier

Document No. : [RM00008256-RN00_AM8](#)

NIH Guidelines Category :

Agents :

Non Viral Systems

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

Viral Systems

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

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
HEK293T (Embryonic Kidney)	No
COS1 (Monkey Kidney)	No
Osteosarcoma	No
U2OS (Osteosarcoma)	No

Cell Lines

Breast cancer	No
Fibroblasts	No
Lymphoma	No
B Cells	No

Microbial Agents

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

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0
Investigator :	Jihye Yun			
Document No. :	RM00005986-RN00_AM23			
NIH Guidelines Category :				
Agents :				

Non Viral Systems

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

Viral Systems

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

Cell Lines

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

Microbial Agents

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

Microbial Agents

Gut microbiota from MDA animal facility Yes
Alistipes spp. Yes
Biosafety Level : BSL2
Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0

Investigator : Liuqing Yang
Document No. : [RM00008126-RN00_AM1](#)
NIH Guidelines Category :
Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pLV[Exp]-EGFP:T2A:Puro-EF1A>mCherry
Lentivirus	No	pVB-Gag/Pol
Lentivirus	No	pLV[CRISPR]-hCas9:T2A:Neo-U6
Lentivirus	No	pLV[shRNA]-EGFP:T2A:Neo-U6
Lentivirus	No	pVB-Rev
Lentivirus	No	pVB-VSV-G

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Renal medullary carcinoma RMC2X	Yes
Renal medullary carcinoma RMC32X	Yes
Renal medullary carcinoma RMC219	Yes
Normal kidney HEK293T	No
Renal medullary carcinoma RMC2C1	Yes
Cord blood CD34+ cells	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E.coli DH5a	No

Biosafety Level : BSL2
Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0

Investigator : Georgios Karras
Document No. : [RM00003059-RN01_AM15](#)
NIH Guidelines Category :
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pcDNA3	No
pAG, pY, pRS, pBY011	No
pB6-Hipp11-DTA-Capeocchi	No
SNL	No

Non Viral Systems

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

Viral Systems

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

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
ovarian cancer	No
Melanoma	No
MEFs (mouse embryo fibroblasts) NIH3T3	Yes
human dermal fibroblasts	No
human kidney cells, HEK293A	No
ROC1, ROC2, ROC3 syngeneic head and neck cancer	Yes
colon cells	No
breast cancer (MDA-MB-231, MDA-MB-436)	No
human kidney cells, HEK293T	No
mammary gland/breast carcinoma	No
Hepatocellular Carcinoma	No
head and neck cancer cell lines (UM-SCC-22A, UM-SCC-22B, UM-SCC-47, VU-SCC-040)	Yes

Cell Lines

gastric carcinoma	No
mouse macrophage	No
V-C8	No
immortalized keratinocytes	No
mouse fibroblasts HSF1 regulatable expression	No
epithelial cervical cancer, HeLa	No
Drosophila melanogaster cell line	No
pancreatic carcinoma	No
MDCK kidney cells	No
mouse pluripotent cell lines	No
head and neck squamous cell carcinoma (CAL27, CAL33)	Yes
lung adenocarcinoma	No
Ductal Carcinoma	No
triple negative breast cancer 4T1	No
colon adenocarcinoma MC38	No
mammary gland neoplasm	No
epithelial fall armyworm cell line, Sf-9	No
small cell lung carcinoma	No
DLD-1 colon cancer cells	No
lymphocyte hybridoma	No
mouse pre-leukemia cells (32D)	No
prostate cancer	No
bone osteosarcoma, U2OS	No
rat Pheochromocytoma	No

Microbial Agents

Name	Administered to Animals in Vivo
E.coli BL21, DE3.1, DH5alpha, DH10B	No
Sacharomyces paradoxus wild strains	No
Sacharomyces cerevisiae, BY4714, RM11-1A, wild strains, wasp gut, beer collection library	No
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0

Investigator : Nicholas Short

Document No. : [RM00007770-RN00_AM2](#)

NIH Guidelines Category :

Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
AAVrh74	No	Kanamycin-resistant cassette
Biosafety Level :	BSL2	
Meeting Notes :	Personnel changes only.	

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0

Investigator : Honami Naora
 Document No. : RM00000166-RN02_AM7
 NIH Guidelines Category :
 Agents :

Non Viral Systems

Technical Name

pGCP-Gag/Pol
 pCas-Guide-GFP-CRISPRa
 pVSV-G
 pIRES-RFP
 pCMVTag
 pIRES-EGFP
 pcDNA4

Is Whole Animal Used as Host

No
 No
 No
 No
 No
 No
 No

Viral Systems

Virus System

Lentivirus
 retrovirus

Virus Administered to Animals

No
 No

Backbones

pReceiver, pGIPZ, psPAX2, pMD2.G
 HuSH, pLNCX, pLPCX, pLHCX,
 pMXS-IRES-GFP, pRetroQ-AcGFP,
 pRetroQ-DsRed, MIGR1, MSCV-
 pBabeMCS-IRES-RFP, MSCV-IRES-
 GFP, pQCXIP

Cell Lines

Cell Line

omental mesothelial cells
 colorectal cancer
 vascular endothelial cells
 293T embryonic kidney
 ovarian epithelium
 kidney cancer
 liver cancer
 ovarian cancer
 endometrial cancer
 lung cancer
 cervical cancer
 peritoneal fibroblasts
 peritoneal macrophages
 colorectal cancer
 prostate cancer
 ovarian cancer
 adipose mesenchymal stem cells
 breast cancer
 vascular endothelial cells
 embryonic kidney
 fallopian tube epithelial cells

Cell Lines Administered to Animals in Vivo

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

Microbial Agents

Name

E.coli DH5-alpha

Administered to Animals in Vivo

No

Biosafety Level : BSL2
Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0

Investigator : Gohar Manzar
Document No. : [RM00008222-RN00_AM1](#)

NIH Guidelines Category :

Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Retrovirus	No	pSFG (MMLVretroviral)

Cell Lines

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

Biosafety Level : BSL2

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0

Investigator : Lauren Colbert
Document No. : [RM00005943-RN00_AM10](#)

NIH Guidelines Category :

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

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
HEK 293 T cells, Lenti-X	No
Cervical Epithelial Cells, C-33A	No
Cervical Squamous Cells, SiHa	No
Patient-derived Cervical Epithelial Cell Line	No

Microbial Agents

Name	Administered to Animals in Vivo
L. crispatus ATCC 33820::pNZ-ldh-mCherry	No

Microbial Agents

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
Staphylococcus hominis, MVS042.2.BR08.SO	No
Lactobacillus johnsonii, ATCC	Yes
Lactobacillus crispatus, Patient-derived	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
Lactobacillus iners, Patient-derived	Yes
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0
Investigator :	Nicholas Short			
Document No. :	RM00007676-RN00_AM2			
NIH Guidelines Category :				
Agents :				
Viral Systems				
Virus System	Virus Administered to Animals		Backbones	
Lentivirus	No		VSV-G, Gagpol, Rev, Transgene	
Cell Lines				
Cell Line	Cell Lines Administered to Animals in Vivo			
PBMC	No			
Biosafety Level :	BSL2			
Meeting Notes :	Personnel changes only.			

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0
Investigator :	Chandra Bartholomeusz			
Document No. :	RM00001816-RN01_AM7			
NIH Guidelines Category :				
Agents :				
Non Viral Systems				
Technical Name	Is Whole Animal Used as Host			
pTOPO-MCL1	No			
Viral Systems				
Virus System	Virus Administered to Animals		Backbones	
lentivirus	No		pLKO.1-puro	
Lentivirus	No		pGFP-V-RS	
Cell Lines				
Cell Line	Cell Lines Administered to Animals in Vivo			
293T	No			
Breast Cancer	Yes			
Microbial Agents				
Name	Administered to Animals in Vivo			
E. coli	No			
Biosafety Level :	BSL2			
Meeting Notes :	Personnel changes only.			

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0
Investigator :	Alexandre Reuben			
Document No. :	RM00006717-RN00_AM10			
NIH Guidelines Category :				
Agents :				
Non Viral Systems				
Technical Name	Is Whole Animal Used as Host			

Non Viral Systems

pCMV	No
pcDNA3.1	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Retrovirus	No	pRP, pMSCV, pMSGV1, RetroVec, SinVec
Lentivirus	No	pLV-EF1a-IRES-Puro, pMD2.G, psPAX2

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Human lung cancer cells (H1975, A549, LKR10, LKR13, H23, H569)	Yes
HEK293 and descendant cell lines (293T, 293Vec-GP, 293Vec-Galv, 293Vec-RD114, and 293Vec-Baev)	No
Human HLA Negative B-Lymphoblastoid cells (721.221, 721.220)	No
Human dendritic cells	No
Human leukemia cell line (K562)	No
Human T cells	Yes
Human PBMCs	No
Murine lung cancer cells (344SQ, LLC)	Yes

Microbial Agents

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

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0

Investigator : Palaniraja Thandapani
Document No. : [RM00006351-RN00_AM4](#)
NIH Guidelines Category :
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pcDNA3	No

Viral Systems

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

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
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Cell Lines

Hematopoietic precursor (HPC-7)	Yes
Helper cell lines 293T	No
T-ALL PDX	Yes
Acute myeloid leukemia	No
Helper cell line PlatE (Platinum-E)	No
T cell lymphoma	No
T cell acute lymphoblastic Leukemia	No

Microbial Agents

Name	Administered to Animals in Vivo
E.coli BL21(DE3)	No
E.coli Stbl3	No
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0

Investigator : Marie-Claude Hofmann

Document No. : [TA00005153-RN01_AM1](#)

NIH Guidelines Category :

Agents :

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

Biosafety Level :

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0

Investigator : Susan Bullman

Document No. : [RM00007970-RN00_AM14](#)

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

Cell Lines

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
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

Microbial Agents

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	22	0	0	0

Investigator : Nitin Jain
Document No. : [RM00002765-RN01_AM3](#)
NIH Guidelines Category :
Agents :

Non Viral Systems

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

Viral Systems

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

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
293T	No
Mononuclear cells	No
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0

Investigator : Boyi Gan
Document No. : [RM00000185-RN02_AM9](#)
NIH Guidelines Category :
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pCDNA3.1/V5-His	No

Viral Systems

Virus System

lentivirus

lentivirus

lentivirus

lentivirus

lentivirus

Virus Administered to Animals

Yes

Yes

Yes

Yes

Yes

Backbones

pGIPZ

lentiCRISPR v2 (vector to generate CRISPR KO)

pLVX

pLKO.1 (to overexpress a cDNA)

pLenti6 (shRNA vector)

Cell Lines

Cell Line

mouse embryonic fibroblasts

pancreatic cancer cell

HEK293 cells

lung cancer cell

kidney cancer cell

prostate cancer cells

esophageal cancer cell

breast cancer cell

Cell Lines Administered to Animals in Vivo

Yes

No

No

Yes

Yes

Yes

Yes

Yes

Microbial Agents

Name

E.Coli DH5a

Biosafety Level :

Meeting Notes :

Administered to Animals in Vivo

No

BSL2

Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0

Investigator :

Rafael Casellas

Document No. :

[RM00006115-RN00_AM14](#)

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

Is Whole Animal Used as Host

No

No

No

No

Yes

Viral Systems

Virus System

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

Virus Administered to Animals

No

No

No

No

Backbones

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

Cell Lines

Cell Line

[REDACTED]

[REDACTED]

Cell Lines Administered to Animals in Vivo

Yes

Yes

Cell Lines

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

Microbial Agents

Name

Biosafety Level :
Meeting Notes :

Administered to Animals in Vivo
No
BSL2
Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0
Investigator :	Yuan Pan			
Document No. :	RM00005849-RN00_AM68			
NIH Guidelines Category :				
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
	No	
	No	
	Yes	
	No	
	Yes	
	Yes	

Viral Systems

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

Viral Systems

[illegible]

Viral Systems

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

Cell Lines

Cell Line

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

Cell Lines Administered to Animals in Vivo

Yes
Yes
Yes
Yes
Yes
Yes
Yes

Cell Lines

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

Microbial Agents

Name

[REDACTED]

Biosafety Level :

Meeting Notes :

Administered to Animals in Vivo

No

BSL2

Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0

Investigator :

Dadi Jiang

Document No. :

[RM00005227-RN00_AM2](#)

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name

pCC1

pUC57

pcDNA3.1

Is Whole Animal Used as Host

No

No

No

Cell Lines

Cell Line

HEK293T

Cell Lines Administered to Animals in Vivo

No

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	22	0	0	0

Investigator :

Kristen Pauken

Document No. :

[RM00006570-RN00_AM23](#)

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name

Cre-Mscarlet-pRpl18-4x MirT

pLC-ZsGreen-P2A-puro

Is Whole Animal Used as Host

No

No

Viral Systems

Virus System

lentivirus

Virus Administered to Animals

No

Backbones

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

mouse melanoma (YUMM3.3-ZsGreen-GP100-KVP human orthologue)

Cell Lines Administered to Animals in Vivo

Yes

mouse melanoma (YUMM3.3-ZsGreen-GP100-KGP strong peptide)

Yes

Cell Lines

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

Microbial Agents

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

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0

Investigator : Nitin Jain

Document No. : [RM00008339-RN00_AM1](#)

NIH Guidelines Category :

Agents :

Viral Systems

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

Cell Lines**Cell Line**

allogenic CAR T cell

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	22	0	0	0

Investigator :

Christopher Johnston

Document No. :

[RM00007966-RN00_AM5](#)

NIH Guidelines Category :

Agents :

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

pVoPo-GFP

No

pVoPo-mCh

No

pHS30

No

pHS30-NB.PDL1

No

pHS30-NB.CTLA4

No

pUC19

No

pBRESP36A

No

pCasSA

No

pHS30-N.B.CD40

No

pHS30-N.B.CD47

No

pBDL531

No

pWO

No

pBDL532

No

pFnLux

No

pBDL533

No

pWO_SynMC

No

pBDL534

No

pEPSA5

No

pHS30-Cas

No

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

Colon cancer

No

Colon cancer

No

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

Prevotella intermedia

No

Parvimonas micra

No

Escherichia coli

No

Escherichia coli DH5alpha

No

Escherichia coli WM6026

No

Escherichia coli BW25141

No

Escherichia coli Tuner DE3

No

Akkermansia muciniphila MDA JAX-AM001

No

Microbial Agents

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	22	0	0	0

Investigator : Palaniraja Thandapani
Document No. : [RM00006351-RN00_AM6](#)
NIH Guidelines Category :
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pcDNA3	No

Viral Systems

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

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Helper cell line PlatE (Platinum-E)	No
Helper cell lines 293T	No
T-ALL PDX	Yes
Acute myeloid leukemia	No
T cell acute lymphoblastic Leukemia	No
T cell lymphoma	No
Hematopoietic precursor (HPC-7)	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E.coli Stbl3	No
E.coli BL21(DE3)	No
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0

Investigator : Xiling Shen

Document No. : RM00007541-RN00_AM13

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

Backbones

pLVX

Lentivirus

No

pKLV

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	22	0	0	0

Investigator :

Giannicola Genovese

Document No. :

RM00003694-RN01_AM5

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name

[REDACTED]

Is Whole Animal Used as Host

No

[REDACTED]

No

[REDACTED]

No

[REDACTED]

No

[REDACTED]

No

[REDACTED]

No

[REDACTED]

No

Viral Systems

Virus System

[REDACTED]

Virus Administered to Animals

Yes

Backbones

[REDACTED]

Viral Systems

	No
	No
	Yes
	Yes

Cell Lines

Cell Line

Cell Lines Administered to Animals in Vivo

Yes
No
Yes
Yes
No
Yes

Microbial Agents

Name

--

Administered to Animals in Vivo

No

Biosafety Level :

BSL2

Meeting Notes :

Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0

Investigator :

Kristen Pauken

Document No. :

[TA00006318-RN00_AM23](#)

NIH Guidelines Category :

Agents :

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

Biosafety Level :

Meeting Notes :

Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0

Investigator :

Andrea Viale

Document No. :

[RM00003630-RN01_AM7](#)

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name

pCMV-DTReAI-Red
H2B-mCherry

Is Whole Animal Used as Host

No
No

Non Viral Systems

pnEA-vHis	No
pDONR223	No
pCMV-DTReAI-Luc	No
pDEST-	No
pGEX-	No
pcDNA3	No
pCMV-GIP-DTR	No
pEGFP-	No
pENTR221	No
pBACe3.6	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	Yes	pLenti 4, pLenti 6, pLenti 6.3; pLKO.1;pHAGE; pFUGW based; pCDH; pLKO; pRS117; pLentiCMV; pRS116; other vectors for shRNA library expression, pScribe5-EFS-Venus-2A-Puro-bc-3LTR
Retrovirus	No	pBABE; MSCV; pMKO.1; pCL; pHIT60, VSV.g; pSUPER; pCLAmpho
Adenovirus	No	Ad5CMVCre-eGFP
AAV (Adeno-associated virus)	Yes	pSFTPC-CRE-bGHpA, pMIST1-CRE-bGHpA, pLGR5-CRE-bGHpA, pALB-CRE-bGHpA, pPAX8-CRE-bGHpA, pKRT8-CRE-bGHpA

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Pancreatic	Yes
Ovarian Cancer cells	Yes
GP2-293 retroviral packaging cell line	No
Pancreatic [Primary]	Yes
Melanoma	Yes
Pancreatic Murine	Yes
Pancreatic	Yes
Human embryonic kidney 293T	No
Lung cancer murine	Yes
Ovarian Cancer cells	Yes
Leukemia cells	Yes
Melanoma	Yes
Lung cancer cells	Yes
Pancreatic Murine Primary	Yes
Ovarian Cancer cells (including OV206, OV213, OV215, OV218, OV225)	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

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0

Investigator :

Raghu Kalluri

Document No. :

[RM00000518-RN02_AM74](#)

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 Pcd1lg2 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-EGFPCre; gRNA Pcdcl1lg2, Tgfbr2, Smad4, Gpc1, Gpc1(hu), CD274 target #1 gene knockout plasmid, gRNA Pcdcl1lg2, 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	22	0	0	0

Investigator : Humam N Kadara
Document No. : [RM00003627-RN01_AM15](#)
NIH Guidelines Category :
Agents :

Non Viral Systems

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

Viral Systems

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

Cell Lines

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

Cell Lines

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	22	0	0	0

Investigator :

Amir A Jazaeri

Document No. :

[RM00006244-RN00_AM4](#)

NIH Guidelines Category :

Agents :

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

[REDACTED]

No

[REDACTED]

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

[REDACTED]

No

[REDACTED]

No

Biosafety Level :

BSL2

Meeting Notes :

Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0

Investigator :

Kristen Pauken

Document No. :

[TA00006318-RN00_AM22](#)

NIH Guidelines Category :

Agents :

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

Biosafety Level :

Meeting Notes :

Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0

Investigator :

Hind Rafei

Document No. :

[RM00008813-RN00_AM3](#)

NIH Guidelines Category :

Agents :

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

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

[illegible]

Virus System

[illegible]

Cell Line

No

No

Yes

Yes

Yes

No

No

No

Yes

No

No

No

No

No

No

No

No

No

No

No

No

No

No

No

No

No

No

No

No

No

No

No

No

No

No

No

No

No

No

No

No

No

Name

Administered to Animals in Vivo

Microbial Agents

[REDACTED]

Biosafety Level :

No

BSL2

Meeting Notes :

Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0

Investigator :

Nicholas Short

Document No. :

[RM00007931-RN00_AM1](#)

NIH Guidelines Category :

Agents :

Viral Systems

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

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
PG13 packaging cell line	No
Human Embryonic Kidney (HEK) Cell Line	No
Myeloid Cell Line (UAPC)	No
Natural Killer (NK) Cell	No
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0

Investigator :

Yasir Y Elamin

Document No. :

[RM00008127-RN00_AM1](#)

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
BNT116	No

Cell Lines

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

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0

Investigator :

Han Xu

Document No. :

[RM00006569-RN00_AM2](#)

NIH Guidelines Category :

Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
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Viral Systems

Lentivirus	No	pCW-Cas9
Lentivirus	No	psPAX2, pMD2G, lenti-Cas9-puro
Lentivirus	No	psPAX2, pMD2G, pCRISPRv2
Lentivirus	No	psPAX2, pMD2G, lentiGuide-BSD

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

Human embryonic kidney cells	No
Melanoma (A375, SK-MEL-2, SK-MEL-28, CHL-1, A2058, SK-MEL-3, HT-144, A101D, SK-MEL-5, SH-4)	No

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

E.coli stb13	No
E.coli Endura	No
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0
Investigator :	Hind Rafei			
Document No. :	RM00008839-RN00_AM1			
NIH Guidelines Category :				
Agents :				

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

sgRNA, crRNA	No
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Viral Systems**Virus System****Virus Administered to Animals****Backbones**

lentivirus	No	pRRL; pCCL; pLV
RETROVIRUS	No	pRetro
retrovirus	No	SFG
lentivirus	No	pHAGE - HIV-1 based backbone (2nd generation lentivirus)

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

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

Cell Lines

Matrix Yes

Biosafety Level : BSL2

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0

Investigator : Georgios Karras

Document No. : [RM00003059-RN01_AM14](#)

NIH Guidelines Category :

Agents :

Non Viral Systems

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

Viral Systems

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

Viral Systems

lentivirus	No	pBABE-neo, pBABE-zco, pBABE puro
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Cell Lines

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

Microbial Agents

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

Biosafety Level : BSL2
Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0

Investigator : Jo Ishizawa
Document No. : [RM00002261-RN01_AM11](#)

NIH Guidelines Category :

Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
lentivirus	No	pCDH
lentivirus	No	pLV
lentivirus	No	pINDUCER21
lentivirus	No	lenti CRISPR pXPR_001
lentivirus	No	psPAX2
lentivirus	No	pMD2.G
Lentivirus	No	lentiCRISPRv2, psPAX2, pMD2G
Lentivirus	No	lentiCas9-Blast, psPAX2, pMD2G
lentivirus	No	lentiGuide-Puro
lentivirus	No	pCD510
lentivirus	No	TRIPZ
lentivirus	No	pCD550A1
lentivirus	No	pGIPZ
lentivirus	No	pLKO

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
mesenchymal stem cells	No
leukemia	Yes
leukemia	Yes
kidney (HEK293T)	No
murine leukemia cell	Yes
lymphoma	No

Microbial Agents

Name	Administered to Animals in Vivo
E.coli Stbl3	No

Biosafety Level : BSL2

Meeting Notes : Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0

Investigator : Juan Fueyo-Margareto
Document No. : [RM00000224-RN02_AM9](#)

NIH Guidelines Category :

Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
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Viral Systems

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

Cell Lines

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

Microbial Agents

Name	Administered to Animals in Vivo
E. coli BJ5183	No
E. Coli DH10B	No
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0

Investigator : Nicholas Short

Document No. : [RM00008169-RN00_AM1](#)

NIH Guidelines Category :

Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pRSC

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
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Cell Lines

T Cells

No

Biosafety Level :

BSL2

Meeting Notes :

Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0

Investigator :

Christopher Johnston

Document No. :

[RM00007966-RN00_AM6](#)

NIH Guidelines Category :

Agents :

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

pVoPo-GFP

No

pVoPo-mCh

No

pHS30

No

pHS30-NB.PDL1

No

pHS30-NB.CTLA4

No

pUC19

No

pBRESP36A

No

pCasSA

No

pHS30-N.B.CD40

No

pHS30-N.B.CD47

No

pBDL531

No

pWO

No

pBDL532

No

pFnLux

No

pBDL533

No

pWO_SynMC

No

pBDL534

No

pEPSA5

No

pHS30-Cas

No

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

Colon cancer

No

Colon cancer

No

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

Prevotella intermedia

No

Parvimonas micra

No

Escherichia coli

No

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

Microbial Agents

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	22	0	0	0

Investigator : Yiwen Chen
Document No. : [RM00000894-RN02_AM2](#)
NIH Guidelines Category :
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
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

Cell Lines

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

Microbial Agents

Name	Administered to Animals in Vivo
E.coli DH5 α and BL21	No
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0

Investigator : Kristen Pauken
Document No. : [RM00006570-RN00_AM24](#)
NIH Guidelines Category :
Agents :

Non Viral Systems

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

Viral Systems

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

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
mouse melanoma (YUMM3.3-ZsGreen-GP100-KVP human orthologue)	Yes
mouse melanoma (YUMM3.3-ZsGreen-GP100-KGP strong peptide)	Yes
mouse melanoma (YUMM3.3-ZsGreen-GP100-EGS weak peptide)	Yes

Cell Lines

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

Microbial Agents

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

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0
Investigator :	Hind Rafei			
Document No. :	RM00008806-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

Viral Systems

lentivirus	No	pRRL, pCCL, pLV, pHAGE - HIV-1 based backbone (2nd generation lentivirus)
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Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
293T	No
human primary cells - Peripheral blood mononuclear cells	Yes
293GP	No
Patient-derived ovarian cancer organoids	Yes
PDX-derived ovarian cancer cells	Yes
Ovarian cancer	Yes
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0
Investigator :	Blaine Bartholomew			
Document No. :	RM00000422-RN02_AM2			
NIH Guidelines Category :				
Agents :				

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pET vector encoding xenopus histone H3 T22C mutant gene, Amp	No
pET3a vector encoding xenopus histone H4 25C mutant , Amp	No
pET vector encoding xenopus histone H2A STT mutant gene, Amp	No
pET vector encoding xenopus H2B44C mutant gene, Amp	No
plasmid with 13 copies of myc tag and HIS marker	No
yIplac-Snf2-2FLAG-LEU2 with L1370A mutation in Snf2	No
Yeast Snf5-2FLAG-LEU2	No
Yeast histone H2A WT Kan resistance	No
pET vector encoding xenopus histone H2A 68C mutant gene, Amp	No
pET vector encoding xenopus histone H3 R41C mutant gene, Amp	No
pET3a vector encoding xenopus histone H4 25C mutant , Amp	No
pET vector encoding xenopus histone H3 F84C mutant gene, Amp	No
pET vector encoding xenopus histone H4 gene, Amp	No
pET vector encoding xenopus histone H2B gene, Amp	No
yIplac-2FLAG bacterial/yeast shuttle vector with 2X FLAG tag added	No
pGEM601b Variant of the 601 positioning sequence	No
pFA6a-13myc tag-KanMX6 selection	No
pET vector encoding xenopus histone H3 C110A mutant gene, Amp	No
JP-931	No

Non Viral Systems

pET vector encoding xenopus histone H2A 76C mutant gene, Amp	No
pET vector encoding xenopus histone H2A 89C mutant gene, Amp	No
pET vector encoding xenopus globular H2A gene, Amp	No
pET vector encoding xenopus histone H3 T3C mutant gene, Amp	No
pET vector encoding xenopus histone H2A 113C mutant gene, Amp	No
pET vector encoding xenopus histone H2A G2C mutant gene, Amp	No
yIplac-Snf2-2FLAG-LEU2 with R1354A mutation in Snf2	No
Snf2 ATPase replaced by Ino80ATPase, Kan downstream of Snf2 gene	No
pET vector encoding xenopus histone H3 T22C mutant gene, Amp	No
pET vector encoding xenopus globular histone H2B gene, Amp	No
pGEM3Z601 octamer positioning sequence	No
pET3a vector encoding xenopus histone H4 22C mutant , Amp	No
pET3a vector encoding xenopus histone H3 80C mutant , Amp	No
yIplac-SWI2-2FLAG-LEU2 with E1366A, Q1368A mutation in SWI2	No
pET vector encoding xenopus histone H2A 12C mutant gene, Amp	No
pET vector encoding xenopus histone H2A gene, Amp	No
pET vector encoding xenopus histone H2B A53C mutant amp	No
YEAST histone H4 WT Kan resistance	No
601 nucleosome positioning sequence with gal4 binding site p159-601-1G27	No
plasmid with 13 copies of myc tag and HIS marker	No
pFA6a-6XGLY-3xFLAG-kanMX6	No
601-603 dinucleosome with 31bp middle linker cloned in p159-1G27 p159-1-601-603-31bp linker	No
pET vector encoding xenopus histone H3 120C mutant gene, Amp	No
pET3a vector encoding xenopus H2B 109C mutant , Amp	No
pCAG-3XFLAG-hCas9-IRES-GFP	No
pET vector encoding xenopus histone H2B 53C mutant gene, Amp	No
Yeast Snf2-2FLAG-LEU2	No
pET vector encoding xenopus histone H2B 44C mutant gene, Amp	No
yIplac-Snf2-2FLAG-LEU2 with R1316A, L1317A mutation in Snf2	No
pRS416	No
pET vector encoding xenopus histone H3 G12C mutant gene, Amp	No
Yeast integrated plasmid with flag tagging inserted 2FLAG	No

Non Viral Systems

pET vector encoding xenopus histone H3 A7C mutant gene, Amp	No
pET vector encoding xenopus histone H3 33C mutant gene, Amp	No
pET vector encoding xenopus histone H2A 113C mutant gene, Amp	No
pET3a vector encoding xenopus histone H2B 44C mutant , Amp	No
pET vector encoding xenopus histone H3 A7C mutant gene, Amp	No
pET vector encoding xenopus globular histone H3 gene, Amp	No
Yeast integrated plasmid with yeast Snf6 protein code and 2X fLAG	No
pET vector encoding xenopus histone H2A STT mutant gene, Amp	No
pET vector encoding xenopus globular histone H3 gene, Amp	No
pET vector encoding xenopus histone H3 57C mutant gene, Amp	No
p199-601 Variant of the 601 positioning sequence	No
pET vector encoding xenopus histone H2A 60C mutant gene, Amp	No
pET vector encoding xenopus globular histone H4 gene, Amp	No
Expression vector containing Pho4 gene of budding yeast	No
yIplac-Snf2-2FLAG-LEU2 with Y1359A mutation in Snf2	No
pET vector encoding xenopus histone H2B 18C mutant gene, Amp	No
Yeast histone H2B WT Kan resistance	No
yIplac-Snf2-2FLAG-LEU2 with E1322A, E1324A mutation in Snf2	No
Yeast histone H3 WT Kan resistance	No
pET vector encoding xenopus histone H2B 120C mutant gene, Amp	No
plasmid with 13 copies of myc tag and Trp marker	No
pCMV6-AC-GFP-rtTA	No
pEntry-rtTA	No

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Fibroblast	No
Mouse Embryonic Stem Cells	No
HCC827, human non-small cell lung cancer (NSCLC) cell line	No
PC-9 cells are a human non-small cell lung cancer (NSCLC) cell line derived from adenocarcinoma	No
A549, adherent human lung cancer cell line	No

Microbial Agents

Name	Administered to Animals in Vivo
BL21DE3	No
saccharomyces cerevisiae	No
A549 Cancer Cell Line	No
HCC 8827	No

Microbial Agents

PC-9

No

Biosafety Level :

BSL2

Meeting Notes :

Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0

Investigator :

Ryan Park

Document No. :

[RM00007779-RN00_AM3](#)

NIH Guidelines Category :

Agents :

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

Lentivirus

No

U6

Lentivirus

No

NFAT

Lentivirus

No

EF1a

Lentivirus

No

SFFV

Lentivirus

No

PGK

Retrovirus

No

MIG-Luciferase-IRES-GFP

Lentivirus

No

CMV

Lentivirus

No

Ubc

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

293T human embryonic kidney cells

No

MC38

Yes

Jurkat - immortalized human T lymphocytes

No

B16-F0 mouse melanoma cells

Yes

Mouse T cells (mouse primary cells)

Yes

T cells (Human primary cells)

No

Biosafety Level :

BSL2

Meeting Notes :

Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0

Investigator :

Juan Fueyo-Margareto

Document No. :

[RM00000224-RN02_AM8](#)

NIH Guidelines Category :

Agents :

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

Pseudo-lentivirus

No

pLKO

adenovirus

Yes

E1A deleted adenovirus (Ad5delE1a)

adenovirus

Yes

human adenovirus serum type 5, deletion of 24bp in E1A, chimeric fiber of serum type 5 and 35

adenovirus

Yes

Adenovirus serotype 5

adenovirus

Yes

Delta-24 backbone (mutation of 24bp in E1A)

Viral Systems

adenovirus

Yes

human adenovirus serum type 5, deletion of 24bp in E1A, chimeric fiber of serum type 5 and 35

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

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

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

E. coli BJ5183	No
E. Coli DH10B	No
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0

Investigator :

John Victor Heymach

Document No. :

[RM00000523-RN02_AM27](#)

NIH Guidelines Category :

Agents :

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

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

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

No

[REDACTED]

Viral Systems

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

Cell Lines

Cell Line

Cell Lines Administered to Animals in Vivo

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

Cell Lines

	No
	No
	No
	Yes
	No
	No

Microbial Agents

Name	Administered to Animals in Vivo
	Yes
	No

Biosafety Level :

BSL2

Meeting Notes :

Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0

Investigator :

Nicholas Short

Document No. :

[RM00008167-RN00_AM1](#)

NIH Guidelines Category :

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

Biosafety Level :

BSL2

Meeting Notes :

Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0

Investigator :

Humam N Kadara

Document No. :

[RM00003782-RN01_AM13](#)

NIH Guidelines Category :

Agents :

Cell Lines

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

Microbial Agents

Name	Administered to Animals in Vivo
Lactococcus lactis NZ9000	Yes
Lactobacillus acidophilus NCFM	Yes
Escherichia coli Nissle 1917	Yes

Microbial Agents

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

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0

Investigator : Xi Chen

Document No. : [RM00007378-RN00_AM12](#)

NIH Guidelines Category :

Agents :

Non Viral Systems

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

Viral Systems

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

Viral Systems

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

Cell Lines

Cell Line

Pancreatic cancer
Breast cancer
293T cells
Pancreatic Cancer
Lung Cancer
Colon cancer: LS411N
Colon cancer: CT26
Colon cancer: SNU-C2B
Breast Cancer
Lung cancer

Cell Lines Administered to Animals in Vivo

Yes
Yes
No
Yes
Yes
Yes
Yes
Yes
Yes
Yes

Microbial Agents

Name

E.coli (DH5a)
E.coli (Stbl3)
Biosafety Level :
Meeting Notes :

Administered to Animals in Vivo

No
No
BSL2
Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0

Investigator :

Kunal Rai

Document No. :

[RM00000815-RN02_AM2](#)

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name

Is Whole Animal Used as Host

Quantum pBac parental vector plasmid

No

pDONR223

No

pENTR223.1

No

pENTR221

No

pENTR201

No

Viral Systems

Virus System

Virus Administered to Animals

Backbones

Retrovirus

No

pBabe, pAmpho

Lentivirus

No

psPAX2, pMD2.G

Lentivirus

No

pInducer20, p156RRL-sinPPT-CMV-GFP-PRE/Nhe I

Lentivirus

No

pLenti6.3; pLKO.1, pHAGE, pCDH, pLenti-Cas9-Blast; pLKO-gRNA; pHAGE-EF1a, pLenti, pLOVE, pLOC, pLV, lentiCRISPRv2, pGIPZ, LEMAD7_1, LEMAD7_2, LEMAD7_3, LEMAD7_4, LEMAD7_5, LEMAD7_6

Adenovirus

Yes

Ad-CMV-iCre

Cell Lines

Cell Line

Cell Lines Administered to Animals in Vivo

Fibroblast

Yes

Cholangiocarcinoma

Yes

Melanoma

Yes

MPNST cell lines

Yes

Fibroblast

No

Mouse T Cells

Yes

Breast Cancer Cell Lines

Yes

Mouse bladder lines- BBN963 and UPPL1541

Yes

HEK293

No

Pancreas tumor cell lines

Yes

Melanoma

Yes

Colorectal cancer cells

Yes

Prostate Cancer cell lines

Yes

Glioma tumor cell lines

Yes

Lung cancer cell lines

Yes

Ovarian cancer cell lines

Yes

Human T cells

Yes

Liposarcoma

Yes

293T cells

No

Cell Lines

Sarcoma	Yes
Ovarian Epithelial Cells	Yes
Gastric cancer cell lines	Yes
Bladder tumor cell lines	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E.coli (DH5a, TOP10, Stbl3)	No
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0

Investigator : Hind Rafei
Document No. : [RM00008777-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)

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
293T	No
human primary cells - Peripheral blood mononuclear cells	Yes
293GP	No
Patient-derived CRC organoids	Yes
PDX-derived CRC tumor cells	Yes
Colorectal cancer	Yes
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	22	0	0	0

Investigator : Juan Fueyo-Margareto
Document No. : [RM00000224-RN02_AM10](#)
NIH Guidelines Category :
Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Pseudo-lentivirus	No	pLKO
adenovirus	Yes	E1A deleted adenovirus (Ad5delE1a)

Viral Systems

adenovirus	Yes	human adenovirus serum type 5, deletion of 24bp in E1A, chimeric fiber of serum type 5 and 35
adenovirus	Yes	Adenovirus serotype 5
adenovirus	Yes	Delta-24 backbone (mutation of 24bp in E1A)
adenovirus	Yes	human adenovirus serum type 5, deletion of 24bp in E1A, chimeric fiber of serum type 5 and 35

Cell Lines

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

Microbial Agents

Name	Administered to Animals in Vivo
E. coli BJ5183	No
E. Coli DH10B	No
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

9. ANNUAL REVIEWS

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

Investigator :	Krina Patel
Document No. :	RM00006603-RN00_AR003

Investigator :	Jae-Il Park
Document No. :	RM00006795-RN00_AR003

Investigator :	Pavlos Msaouel
Document No. :	RM00008403-RN00_AR001

Investigator :	Eduardo Vilar Sanchez
Document No. :	RM00006040-RN00_AR004

Investigator :	David Piwnica-Worms
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Document No. :	RM00008183-RN00_AR001
Investigator :	Pavlos Msaouel
Document No. :	RM00008300-RN00_AR001
Investigator :	Christopher Quarles
Document No. :	RM00006013-RN00_AR004
Investigator :	Bing Z Carter
Document No. :	RM00000688-RN02_AR003
Investigator :	Wantong Yao
Document No. :	RM00003651-RN01_AR002
Investigator :	Shubham Pant
Document No. :	RM00006803-RN00_AR003
Investigator :	Marie-Claude Hofmann
Document No. :	TA00003010-RN01_AR002
Investigator :	Marie-Claude Hofmann
Document No. :	RM00003009-RN01_AR002
Investigator :	Samer Srour
Document No. :	RM00007386-RN00_AR002
Investigator :	Rugang Zhang
Document No. :	RM00006762-RN00_AR003
Investigator :	Frederick F Lang Jr
Document No. :	RM00001698-RN01_AR003
Investigator :	Subrata Sen
Document No. :	TA00001229-RN02_AR001
Investigator :	Rugang Zhang
Document No. :	RM00006389-RN00_AR003
Investigator :	Yasir Y Elamin
Document No. :	RM00008127-RN00_AR001
Investigator :	Mingqi Han
Document No. :	RM00008345-RN00_AR001
Investigator :	Jean Gautier
Document No. :	RM00008256-RN00_AR001
Investigator :	William J Ray
Document No. :	RM00005890-RN00_AR004
Investigator :	Michael Andreeff
Document No. :	RM00002986-RN01_AR003
Investigator :	Rodabe N Amaria
Document No. :	RM00005741-RN00_AR004
Investigator :	Donna Hansel
Document No. :	RM00008253-RN00_AR001

Investigator : Luigi Perelli
Document No. : [RM00008252-RN00_AR001](#)

Investigator : Nicholas Short
Document No. : [RM00008168-RN00_AR001](#)

Investigator : Shabnam Shalapour
Document No. : [RM00008242-RN00_AR001](#)

Investigator : Hui-Lin Pan
Document No. : [RM00000486-RN02_AR002](#)

Investigator : Michael R Migden
Document No. : [RM00003986-RN01_AR001](#)

Investigator : Matthew Gubin
Document No. : [TA00003921-RN01_AR002](#)

Investigator : Bin Liu
Document No. : [RM00008239-RN00_AR001](#)

Investigator : Moran Amit
Document No. : [RM00006799-RN00_AR003](#)

Investigator : Muzaffar H Qazilbash
Document No. : [RM00006654-RN00_AR003](#)

Investigator : Chibawanye Ene
Document No. : [RM00006055-RN00_AR004](#)

Investigator : Faye M Johnson
Document No. : [RM00003210-RN01_AR003](#)

Investigator : David Sanghyun Hong
Document No. : [RM00003419-RN01_AR002](#)

Investigator : Eduardo Vilar Sanchez
Document No. : [RM00006043-RN00_AR004](#)

Investigator : Roy F Chemaly
Document No. : [RM00004486-RN01_AR001](#)

Investigator : Chun Li
Document No. : [TA00005928-RN00_AR004](#)

Investigator : Pramod N Nehete
Document No. : [RM00003066-RN01_AR001](#)

Investigator : Jianjun Gao
Document No. : [RM00002582-RN01_AR004](#)

Investigator : Hussein A Abbas
Document No. : [RM00007602-RN00_AR002](#)

Investigator : Dimitrios P Kontoyiannis
Document No. : [RM00000336-RN02_AR003](#)

Investigator : Katy Rezvani

Document No. :	RM00007468-RN00_AR002
Investigator :	Robert Orlowski
Document No. :	RM00003803-RN01_AR002
Investigator :	Hui-Lin Pan
Document No. :	RM00003170-RN01_AR003
Investigator :	Richard Gorlick
Document No. :	TA00003947-RN01_AR002
Investigator :	Eugenie S Kleinerman
Document No. :	RM00007610-RN00_AR002
Investigator :	David G Menter
Document No. :	RM00007579-RN00_AR002
Investigator :	Daniel Frigo
Document No. :	RM00002476-RN01_AR004
Investigator :	Pawel Mazur
Document No. :	TA00005878-RN00_AR004

10. TERMINATIONS

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

Investigator :	Sairah Ahmed
Document No. :	RM00007549-RN00
Investigator :	Sairah Ahmed
Document No. :	RM00008447-RN00
Investigator :	Anthony Paul Conley
Document No. :	RM00007477-RN00
Investigator :	Maura Gillison
Document No. :	TA00006359-RN00
Investigator :	Jason Huse
Document No. :	TA00001935-RN02
Investigator :	Ferdinand Skoulidis
Document No. :	RM00005171-RN00

11. OLD BUSINESS ITEMS

There are no such business items for this meeting.

12. NEW BUSINESS ITEMS

There are no such business items for this meeting.

13. DISCUSSION ITEMS

Item	Description	Presenter	Attachments
null			

14. INFORMATIONAL ITEMS

Update	Description
	Dr. Krithika Srinivasan left MD Anderson at the end of June.

Community Member Attendance

Manu Banadakoppa was not in attendance; Arlisa Edwards-Benford was present and counted among the votes.

15. ADJOURNMENT