

INSTITUTIONAL BIOSAFETY COMMITTEE MINUTES
Recombinant DNA(RM)
Meeting #277
Tuesday, June 9, 2026
Hybrid - In Person Location BSRB S3.8003ab - 1:00 PM

Members Present

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

Members Absent

Kwong K Wong, Professor
Tora D Ogunmakin, Assoc Dir, Ambulatory Nursing
Erica J Moore, Assistant Professor
Niki M. Zacharias Millward, Associate Professor
Guang Peng, Professor
Guocan Wang, Associate Professor
Rajneesh Pathania, Assistant Professor
Humam N Kadara, Professor

Community Members Present

Others Present

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

Others Absent

1. APPROVAL OF THE PAST MEETING MINUTES

Meeting	Votes-Yes	Votes-No	Votes-Abstain	Votes-Recuse
IBC Recombinant meeting on Tuesday, May 12, 2026	18	0	2	0

2. CONFLICT OF INTEREST RECUSAL

Attendee	Project	Comment
Vidya Gopalakrishnan	RM00001918-RN02	Dr. Gopalakrishnan is the PI of this registration.
Niki M. Zacharias Millward	RM00005694-RN00_AM9	Dr. Zacharias Millward is the PI of this non-administrative modification.
Pramod N Nehete	RM00003066-RN01_AM1	Dr. Nehete is the PI of this non-administrative modification.

3. REPORT OF THE ADVERSE EVENTS

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

4. REPORT OF THE SAFETY COMMITTEE

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

5. REPORT OF RECOMBINANT DNA (RM) SUBCOMMITTEE

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

6. NEW PROTOCOLS

BSL 1: NEW PROTOCOLS

There are no new protocols to review for this meeting.

NEW TRANSGENIC ANIMAL PROTOCOLS:

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	20	0	0	0
Investigator :	Mark T Bedford			
Document No. :	TA00005320-RN01			
NIH Guidelines Category :	III-F-8.			
Agents :				
Species	ACUF#	Genes Inserted	Genes Deleted	
Mouse	00001090-RN04	MTAP		
Mouse	00001090-RN04	OVA		
Biosafety Level :	BSL1			
Meeting Notes :	The goal of this research project is to generate transgenic mice which express 3XFlag-MTAP-GFP or 3XFlag-OVA-GFP for rescue of genetic loss and over-expression studies. ACUF is current.			

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	20	0	0	0
Investigator :	Dihua Yu			
Document No. :	TA00000763-RN03			
NIH Guidelines Category :	III-F-8.			

NEW TRANSGENIC ANIMAL PROTOCOLS:

Agents :

Species	ACUF#	Genes Inserted	Genes Deleted
Mouse	00000428-RN04	LCK-cre, C3(1)-TAg, OT1, MMTV-HER2/NEU, CD45.1	IL10, IL10 receptor alpha, HRH1
Mouse	00000883-RN04	MMTV-PyMT, TRE-HA-14-3-3 zeta, rtTA, MMTV-HER2/Neu	YWHAZ, p53, Pten
Mouse	00000662-RN04		CD274
Mouse	00000752-RN04	LyzM-Cre , GFAP-cre, CX3CR1-Cre-EYFP , HLA-A/H2-D/B2M, HLA-DRA/HLA-DRB1*0401, simian diphtheria toxin receptor (DTR; from simian Hbegf) , Tmem119-2A-CreERT2 , ROSA26-CAG-ZsGreen, Lck-icre	HDAC2, PTEN, STAT4, Ptpn6, B2M, Rag1, Lag3, IL18, Gpr56, CCR2, HDAC1
Mouse	00000240-RN04	Kras G12D, P48-cre	p53

Biosafety Level :

Meeting Notes :

BSL1

This protocol seeks to generate transgenic mouse models to study cancer initiation and progression as well as immune surveillance. Transgenic animals in the study are generated in our institution or purchased from the Jax Lab. ACUFs are current.

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

Investigator :

Document No. :

NIH Guidelines Category :

Khaled Sanber

[TA00008904-RN00](#)

III-F-8.

Agents :

Species	ACUF#	Genes Inserted	Genes Deleted
Mouse	00001815-RN01	FGFR3-TACC3 fusion, HPV16-E6/E7	

Biosafety Level :

Meeting Notes :

BSL1

The goal of this protocol is to investigate the effects of mutations in RNU4ATAC, a small non-coding snRNA gene involved in minor spliceosome-mediated pre-mRNA splicing, as well as additional mutations, on downstream target genes associated with mammalian embryonic development and disease. Transgenic mouse models will be generated and evaluated for developmental phenotypes. An amendment is under IACUC review updating the PI to Dr. Khaled Sanber.

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

Investigator :

Document No. :

NIH Guidelines Category :

Mark T Bedford

[TA00005327-RN01](#)

III-F-8.

Agents :

Species	ACUF#	Genes Inserted	Genes Deleted
Mouse	00001090-RN04		Snd1

Biosafety Level :

BSL1

NEW TRANSGENIC ANIMAL PROTOCOLS:

Meeting Notes :

The goal of this protocol is to generate knockout and point mutation mouse models of the Snd1 protein to characterize its phenotype and role in pancreatic cancer and related disease models. Germline knockout of Snd1 and point mutation in Snd1 will be developed using CRISPR/Cas9 technology to study the effects of complete loss and loss-of-function of SND1. ACUF is current.

BSL 2: NEW PROTOCOLS

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

Investigator :

Keila Enitt Torres

Document No. :

[RM00001673-RN02](#)

NIH Guidelines Category :

III-D-1-a.

Agents :

Non Viral Systems

Technical Name

pcDNA3

Is Whole Animal Used as Host

No

Viral Systems

Virus System

Adenovirus

Virus Administered to Animals

Yes

retroVirus

No

LentiVirus

No

Lentivirus

No

LentiVirus

No

Lentivirus

No

LentiVirus

No

Lentivirus

No

LentiVirus

No

Lentivirus

No

Lentivirus

No

Backbones

Ad5-CMV-Cre

MCS-BioID2-HA pBabe-puro

Lenti-Cas9-2A-Blast

lentiCRISPRv2 puro

pLCKO

TLCV2

pLD-puro-CnVA

SmartVector

pLD-puro-CcVA

pLKO

pCDH-EF1A-MCS-IRES-GFP

Cell Lines

Cell Line

embryonic kidney

Malignant Peripheral nerve sheath tumor (MPNST)

Sarcoma

Malignant peripheral nerve sheath tumor (MPNST)

Cell Lines Administered to Animals in Vivo

No

Yes

Yes

Yes

Microbial Agents

Name

E.coli Stbl3

E.coli Stbl4

E. coli DH5alpha

Administered to Animals in Vivo

No

No

No

Room Numbers

Room No.

4SCR2.2001

SB.8240

Description

Tissue Culture Facility

Animal Facilities

BSL 2: NEW PROTOCOLS**Room Numbers**

SB.8249

4SCR2.2065

SB.8272

Biosafety Level :

Meeting Notes :

Animal Quarters Service

Research/Non-Class Laboratory- Wet Lab

Animal Facilities

BSL2

Using adenovirus and lentivirus, the protocol will mutate, knock-down, or knockout several genes in malignant peripheral nerve sheath tumor and sarcoma cell lines. Cell lines will then be injected into mice for tumor growth studies. ACUF is current. In vivo use of primary tumor cells may require an associated IRB.

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

Investigator :

G. Traver Hart

Document No. :

[RM00001583-RN02](#)

NIH Guidelines Category :

III-D-1-a.

Agents :

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

No

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

No



No



No



No



Yes



No



No



No



No

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

No



No

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

BSL 2: NEW PROTOCOLS

Room Numbers

PPB1.646

PPB1.647

Z10.2035

Z10.2040

Z10.2042

Biosafety Level :

Meeting Notes :

Animal Facilities

Animal Facilities

Tissue Culture Facility

Research/Non-Class Laboratory- Wet Lab

Research/Non-Class Laboratory- Wet Lab

BSL2

The goal of the proposed project is to identify actionable drug targets in specific tumor types through CRISPR-mediated genetic and chemogenetic perturbation strategies. Key experimental steps include [REDACTED] CRISPR screen using cell lines, variations in cell culture conditions like hypoxia, and administration of cell lines to animals in vivo. The cells lines are representative of diverse tumor types and are all non-primary human lines. ACUF is current.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	20	0	0	0
Investigator :	Robert Orlowski			
Document No. :	RM00008968-RN00			
NIH Guidelines Category :	III-D-1-a.			
Agents :				
Non Viral Systems				
Technical Name	Is Whole Animal Used as Host			
pSLCAR-CD19-28z	No			
pCas-Guide-EF1a-GFP	No			
pSLCAR-CD19-BBz	No			
Viral Systems				
Virus System	Virus Administered to Animals		Backbones	
psPAX2 - Lentiviral packaging	No		psPAX2	
pMD2.G Lentiviral envelop	No		pMD2.G	
pLenti CMV Puro LUC (w168-1)	No		p156RRL-sinPPT-CMV-GFP-PRE/Nhe I	
Cell Lines				
Cell Line	Cell Lines Administered to Animals in Vivo			
293T-Human Embryonic Kidney	No			
CAR T cell CD23 scFv	Yes			
PBMC	No			
Lymphoma Cells	Yes			
Room Numbers				
Room No.	Description			
2SCR4.3122	Tissue Culture Facility			
Biosafety Level :	BSL2			
Meeting Notes :	The goal of the project is to leverage a panel of human antibodies identified by the investigator’s group to validate CD23 as an immunotherapeutic target utilizing in vitro and in vivo models. Experimental approach describes work involving lentiviral vector production, generation of CD23-targeted			

BSL 2: NEW PROTOCOLS

CAR-T cells, and evaluation of immunotherapeutic strategies in mouse xenograft models. ACUF is current.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	19	0	1	0
Investigator :	Vidya Gopalakrishnan			
Document No. :	RM00001918-RN02			
NIH Guidelines Category :	III-D-1-a.			
Agents :				
Non Viral Systems				
Technical Name		Is Whole Animal Used as Host		
pGL4.20		No		
pX458-U6-chimeric BB(+85)-CBh-NLS-hSpCsn1-2A-GFP		No		
Viral Systems				
Virus System	Virus Administered to Animals		Backbones	
Lentivirus	No		Phage-efl a-ccdb-ires-Flu2-GFP	
Retrovirus	No		mimR1-Flu2-mkate2	
Lentivirus	No		Phage-efl a-ccdb-ires-puro	
Lentivirus	No		pLTR-RD114A	
Lentivirus	No		Phage-efl a-ccdb-ires-Renilla-GFP	
Lentivirus	No		Phage-efl a-ccdb-ires-mkate2	
Retrovirus	No		mipR1-Flu2-puro	
Lentivirus	No		pHCMV_Bless	
Lentivirus	No		P-VSVG	
Lentivirus	No		pGIPZ	
Lentivirus	No		Phage-efl a-ccdb-ires-Flu2-mkat2	
Lentivirus	No		Phage-efl a-ccdb-ires-GFP	
Cell Lines				
Cell Line		Cell Lines Administered to Animals in Vivo		
Brain Cancer		Yes		
Neural Stem Cells and Progenitors		Yes		
293T cell (embryonic kidney of Homo sapiens)		No		
Microbial Agents				
Name		Administered to Animals in Vivo		
E.coli, DH5a		No		
E. coli k-12		No		
Room Numbers				
Room No.		Description		
MOD1.013a		Tissue Culture Facility		
MOD1.014		Research/Non-Class Laboratory- Wet Lab		
PPB1.645		Animal Facilities		
Biosafety Level :		BSL2		
Meeting Notes :		The primary objective of the project is to determine the functional role of diverse genes in pediatric brain tumors, neural stem cells and progenitor cells. Viral vectors will be used to insert or knock down genes of interest in human and		

BSL 2: NEW PROTOCOLS

mouse cells in vitro, and some of those will be administered to animals in vivo through intracranial injections. ACUF is current.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	20	0	0	0
Investigator :	Roza Nurieva			
Document No. :	RM00000624-RN03			
NIH Guidelines Category :	III-D-4-b.			
Agents :				
Non Viral Systems				
Technical Name	Is Whole Animal Used as Host			
pGL3	No			
pGL2-Basic	No			
pcDNA3	No			
pBlueRIP	No			
pFRT	No			
pEasyFloX	No			
pBluscript	No			
pRL-null	No			
pUC13	No			
pGEM-T	No			
pPAC4	No			
pPgK-Hygro	No			
PGKFIpebpA	No			
pCoHYGRO	No			
pCMV-Tag	No			
pBS185	No			
pCMV-SPORT6	No			
pCMVsGFPLuc	No			
pCAGGS-FLPw-puro-14B	No			
pUC19	No			
pIZ/V5-His	No			
pMT/BiP/V5-HisA	No			
pCMV4	No			
Viral Systems				
Virus System	Virus Administered to Animals		Backbones	
retroviral	No		pSUPER	
retrovirus	No		pLXSN	
retrovirus	No		PMX-ires-GFP	
Adeno-Associated Virus (AAV)-shRNA	Yes		AAV-shRNA	
retrovirus	No		pMLS	
retrovirus	No		RV-IRESGFP-KM	
retroviral	No		RVH1B	
retrovirus	No		MIGR2	
retroviral	No		pMSCV	

BSL 2: NEW PROTOCOLS

Cell Lines

Cell Line

Primary mouse macrophages
Primary mouse T cells.
293T embryonic kidney cells
Jurkat T cells
Primary mouse fibroblasts.
Drosophila S2 cell line
EG-7 lymphoblast
EL4 lymphoblasts
Primary mouse dendritic cells
RAW macrophages
Phenix cells (embryonic kidney cells)
Primary mouse B cells
THP-1 monocytes

Cell Lines Administered to Animals in Vivo

No
Yes
No
No
No
No
No
No
No
Yes
No

Microbial Agents

Name

E. coli Top 10
Listeria-Ova
Salmonella typhimuriun X4550

Administered to Animals in Vivo

No
Yes
No

Room Numbers

Room No.

SCR2.2154
PPB1.439
PPB1.514
SCR2.2155

Description

Tissue Culture Facility
Animal Facilities
Animal Facilities
Tissue Culture Facility

Biosafety Level :

BSL2

Meeting Notes :

This protocol focuses on understand the role of host immune and innate responses to pathogens like E. coli, listeria, and salmonella. The protocol will express signaling proteins in cell lines as well as cytokines or other proteins in the drosophila S2 line. Various plasmids and viral vector systems are used with an adeno-associated virus shRNA system administered to animals. Human and mouse lines as well as the drosophila S2 cell line will be used with mouse B and T cells injected in mice. ACUF is current.

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

Investigator :

William Matsui

Document No. :

[RM00008895-RN00](#)

NIH Guidelines Category :

III-D-3-a.

Agents :

Viral Systems

Virus System

lentivirus

Virus Administered to Animals

No

Backbones

pHR-traditional CAR (anti-CD19); pHR-EF1Alpha-puro-T2A-Tet-on 3G-TRE3G-

BSL 2: NEW PROTOCOLS

Viral Systems

		Ascl1; U6-sgH11-Cas9-Blast; PGH020 sgP53; pLVX-IRES-ZsGreen1; pINDUCER21; pINDUCER22
RETROVIRUS	No	MSGV1-ID3-28Z All ITAMs intact; MSGV1-ID3-28Z.1-3 mut
lentivirus	No	pLKO-Tet-On; pLKO-Tet-on-Scr; pLKO-Tet-on-shLuc; pLKO.1 mCherry; pLKO.1-blast; TetO-FUW-NICD; TetOn-shEREG; TetOn-shScramble
lentivirus	No	pCW-Cas9; pKras(G12V)-pcw107; Luciferase-pcw107
RETROVIRUS	No	pMIG-FLAG-MLL-AF9; pMIG empty vector
lentivirus	No	lentiCas9-Blast; lentiGuide-Puro
RETROVIRUS	No	MSCV-IRES-GFP; pEF1-anti-human mesothelin-eGFP; MSCV-anti-mesothelin-control HisTag; MSCV-anti-mesothelin-anti-EREG- HisTag; pMSCV-IRES-GFP; pMSCV-Flag-hsox2; MSCV-anti-Mesothelin-eGFP; MSCV-anti-Mesothelin-mTagBFP2; MSCV-anti-hCD19-eGFP
lentivirus	No	pSLIK-R132H-FLAG; pSLIK-Hygro; pSLIK-IDH1-FLAG
RETROVIRUS	No	Integrin Beta6 pBABE puro; pBabe-N-Ras61K; pBabe-K-RasG12D
lentivirus	No	LentiCRISPR V2; TLCV2; LentiCRISPRv2-mCherry
lentivirus	No	pHIV-Luc-ZsGreen
lentivirus	No	CRE reporter lentiviral vector
lentivirus	No	pCDH-EF1-Luc2-P2A-tdTomato; pCDH-EF1-mVenus-p27K-
lentivirus	No	pEF1-hCD19-dTomato-luc2; pEF1-p27k-mVenus
lentivirus	No	pLenti-CMVtight-eGFP-blast; Plenti.PGK.blast-Renilla_Luciferase; pLenti-sgRNA-Lib; pLenti 6/V5-p53-wtp53(human p53 with a C-terminal V5 tag); pLenti6.2-Renilla-ccdB; PGK-p27k-rTta3-TRE3G-lsmCherry

Cell Lines

Cell Line

murine pancreatic cancer	No
Murine myeloma	No
PBMC	No
293T	No
pancreatic cancer	No
myeloma	No

Cell Lines Administered to Animals in Vivo

Room Numbers

Room No.

Description

BSL 2: NEW PROTOCOLS

Room Numbers

2SCR4.2158

2SCR4.2223

Biosafety Level :

Meeting Notes :

Tissue Culture Facility

Research/Non-Class Laboratory- Wet Lab

BSL2

The goal of this protocol is to investigate mechanisms underlying the maintenance, adaptation, and therapeutic resistance of clonogenic tumor cell populations in pancreatic cancer and hematologic malignancies. Lentiviral or retroviral vectors will be used to deliver CRISPR or shRNA constructs to stably knockdown genes in cell lines, and transduced cells will be analyzed to study pathways driving therapeutic resistance. No animal work. IRB included due to collection and handling of primary human tissues.

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

Investigator :

Nicholas Navin

Document No. :

[RM00005131-RN01](#)

NIH Guidelines Category :

III-D-3-a.

Agents :

Viral Systems

Virus System

lentivirus

Virus Administered to Animals

No

Backbones

pLKO.1-puro

Cell Lines

Cell Line

293T helper cells

MCF10A (breast)

HMECs (breast)

breast cancer cell lines

Cell Lines Administered to Animals in Vivo

No

No

No

No

Microbial Agents

Name

E.coli k-12

E. coli C3040HNEB stable (for plasmid amplification and purification)

Administered to Animals in Vivo

No

No

Room Numbers

Room No.

Z10.4019

Biosafety Level :

Meeting Notes :

Description

Tissue Culture Facility

BSL2

The proposed study investigates tumor evolution using recombinant DNA technologies, including lentiviral-mediated TP53 knockdown and TERT expression in human breast cell lines. The protocol involves RG2 lentiviral vector production in 293T helper cells and manipulation of human-derived cell lines, which appropriately supports a BSL-2 containment recommendation for all in vitro viral and human cell culture work. No animal work in this protocol.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
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BSL 2: NEW PROTOCOLS

Approved With Contingencies	20	0	0	0
Investigator :	Pawel Mazur			
Document No. :	RM00008982-RN00			
NIH Guidelines Category :	III-D-1-a.			
Agents :				
Non Viral Systems				
Technical Name	Is Whole Animal Used as Host			
RNA-LNP	Yes			
Cell Lines				
Cell Line	Cell Lines Administered to Animals in Vivo			
Lung, colon, gastric and pancreatic cell lines	Yes			
Room Numbers				
Room No.	Description			
Z7.2023	Tissue Culture Facility			
S1.8227	Animal Facilities			
Biosafety Level :	BSL2			
Meeting Notes :	The goal of the study is to demonstrate immune response in mice by injection of COVID mRNA vaccine, with the overall objective of evaluating its anti-tumor effects. The experimental plan includes implanting mouse cells from commercial cell lines in mice and treating mice with CAR T cell therapy or immune check point inhibitors with or without mRNA vaccine ACUF is current.			

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	20	0	0	0
Investigator :	Jason Huse			
Document No. :	RM00001910-RN02			
NIH Guidelines Category :	III-D-4-b.			
Agents :				
Viral Systems				
Virus System	Virus Administered to Animals		Backbones	
Lentivirus	No		GIPZ, TRIPZ, pFUGW, pLentiCRISPRv2, pLenti-CMV-GFP-Puro, pLKO.1	
retrovirus	Yes		RCAS	
retrovirus	No		PLNCX2.0	
retrovirus	Yes		RCAS	
Cell Lines				
Cell Line	Cell Lines Administered to Animals in Vivo			
NHA	No			
TS600	No			
TS12017	No			
hiPSC	No			
U87	No			
TS603	No			

BSL 2: NEW PROTOCOLS

Cell Lines

TS543	No
U251	No
TS667	No
DF1	Yes
HEK 293	No
293T	No
U2OS	No
NPC	Yes
TS665	No
NIH-3T3	No
Im-GCT-497	No

Room Numbers

Room No.

Description

LSP12.2114	Tissue Culture Facility
SB.8245	Animal Facilities
S5.8404	Research/Non-Class Laboratory- Wet Lab
LSP12.3010	Research/Non-Class Laboratory- Wet Lab
S1.8449	Animal Facilities
LSP12.2104	Equipment Space (Research)
LSP12.3012	Research/Non-Class Laboratory- Wet Lab
LSP12.3013	Chemical Fume Hood Room
Biosafety Level :	BSL2
Meeting Notes :	This protocol investigates how molecular abnormalities drive the development and behavior of gliomas. Researchers will manipulate gene expression in human and mouse cell lines, including hiPSC-derived models, using viral systems to study effects on proliferation, invasion, motility, and differentiation. In vivo studies will involve genetically engineered mice and orthotopic transplantation to assess tumor growth and survival. The RCAS/tv-a viral system will enable targeted gene delivery to explore glioma initiation, progression in vivo. ACUF is current.

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

Investigator :	Gregory Friedman
Document No. :	RM00008885-RN00
NIH Guidelines Category :	III-C-1.
Agents :	

Viral Systems

Virus System

Virus Administered to Animals

Backbones

HSV-1	No	Herpes simplex virus (Type 1)
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Room Numbers

Room No.

Description

G9.3364C	IV Prep Room (Pharmacy)
ACB8.2043	IV Prep Room (Pharmacy)

BSL 2: NEW PROTOCOLS

Biosafety Level :

Meeting Notes :

BSL2

This Phase 2 study is designed to evaluate the safety and effectiveness of an investigational treatment, G207, given directly into the tumor followed by low-dose radiation in children and young adults with recurrent or progressive high-grade glioma. G207 is a replication-competent HSV-1 derived oncolytic virus that has been genetically engineered to selectively replicate in tumor cells. The primary goal is to determine whether this approach can extend survival after tumor progression compared to historical outcomes. The study will also collect biological samples to better understand how the treatment works in the body and to identify potential markers of response. IRB approval is pending.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	20	0	0	0
Investigator :	Roza Nurieva			
Document No. :	RM00000625-RN03			
NIH Guidelines Category :	III-D-4-b.			
Agents :				
Viral Systems				
Virus System	Virus Administered to Animals		Backbones	
Influenza Virus A/WSN/33-Ova	Yes		pT3WSN-OVAI and pT3WSNPepII	
Cell Lines				
Cell Line	Cell Lines Administered to Animals in Vivo			
Mouse tissues (lung lavage, spleen, lymph nodes) and blood	No			
Microbial Agents				
Name	Administered to Animals in Vivo			
Influenza Virus A/PR/8/34	Yes			
Room Numbers				
Room No.	Description			
PPB1.514	Animal Facilities			
SCR2.2154	Tissue Culture Facility			
Biosafety Level :	BSL2			
Meeting Notes :	The goal of proposed research is to use influenza virus to infect immune cells in various mouse strains to analyze host innate and adaptive immune responses to this pathogen. In short, they will inoculate mice with sub-lethal dosage of influenza virus, following by tissue harvesting and T cell isolation from diverse organs. A replication competent Influenza strain is part of microbial agents, requiring additional PPE including N95 respirator.			

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
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Approved With Contingencies	20	0	0	0
Investigator :	Sarah Kezar			
Document No. :	RM00006297-RN00_AM11			
NIH Guidelines Category :	III-D-4-b.			
Agents :				
Cell Lines				
Cell Line	Cell Lines Administered to Animals in Vivo			
Plasma in Acid Citrate Dextrose (ACD) or citrate phosphate dextrose adenine 1 (CPDA-1) anticoagulant	Yes			
Microbial Agents				
Name	Administered to Animals in Vivo			
Human Immunodeficiency Virus-1 (HIV-1) nom3 backbone "D89"	Yes			
Human Immunodeficiency Virus-1 (HIV-1) CH077 backbone "077_RMT"	Yes			
Human immunodeficiency virus-1 NL4-3 backbone	Yes			
Human Immunodeficiency Virus-1 (HIV-1) CH077 backbone "077_RMTE"	Yes			
Human Immunodeficiency Virus-1 (HIV-1) CH077 backbone "077_RTE"	Yes			
Human Immunodeficiency Virus-1 (HIV-1) CH077 backbone "077_R"	Yes			
Human Immunodeficiency Virus-1 (HIV-1) CH077 backbone "077_RM"	Yes			
Biosafety Level :	BSL2			
Meeting Notes :	They added a strain of HIV to be administered in vivo to non-human primates. As other agents in this PI registration, the new HIV strain is RG3 and requires enhanced safety practices.			

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	20	0	0	0
Investigator :	Ronald A DePinho			
Document No. :	RM00000627-RN02_AM23			
NIH Guidelines Category :	III-D-1-a.			
Agents :				
Non Viral Systems				
Technical Name	Is Whole Animal Used as Host			
pORF9	No			
pBluescript KS(-), pBluescript II sk+	No			
pCAG-pBase	No			
pUC Ori vector (PX330, PX260, PX334)	No			
pCMV, PCMV deltaR8.74, pCMV5, pCMV6	No			
pGL4	No			
pTTQ18 (pAKTaq)	No			
pENTR223	No			
pCDNA, pCDNA3, pCDNA3.1	No			
pTRE-Tight	No			

Non Viral Systems

pMGL	No
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Viral Systems

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

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Prostate cell lines derived from metastatic sites (DU145, LNCAP, PC3, PC3M, VCAP)	Yes
Colon cancer cell lines (iAP, iKAP, iTAP, iTKAP)	Yes
Pancreatic cancer cell lines (iKPC, KPC, iKPCC, iKPSCC, iKPSCC, PPS)	Yes
Human endothelial cell lines	No
Embryonal kidney cell lines (293T, 293FT)	No
Colon cancer cell lines (HT-29, SW-480, HCT-116, CD34-/low KSL cells, CACO2, C2BBE1, WIDR, COLO320DM LOVO, LS174T, LS123, IEC-6, SW48, SW1417, SKCO-1, LS1034, T84, COLO205, 4T1, MC38, CMT93, DLD1))	Yes
Melanoma cell lines (M407, A375)	Yes
Prostate cancer cell lines (DX1, PPS, MSKPCa1, MSKPCa2, MSKPCa7)	Yes
Mouse Embryonic Stem Cells	No
Lung derived from metastatic sites (e.g., H2052, H2B)	No
APOE3- & APOE4-iPSC-derived neurons and astrocytes	No
Pancreatic cancer cell lines (BxPC3, PK59, PATU8988T, MIAPaCA2, PANC1, ASPC1, HPAFII, SW1990, Panc10.05, Panc03.27, Panc08.13, Panc02.03, Panc02.13, Panc04.03, Panc05.04, PL45, Capan1, Hs766T, ZR751, DU145, LNCap, HT29, SW480, MEFs, DX1)	Yes
Fibroblast cell lines	No

Microbial Agents

Name	Administered to Animals in Vivo
HB101 E. coli	No
E. coli strain 1677	No
Biosafety Level :	BSL2
Meeting Notes :	Modified agents by adding AAV system and associated genes. Viral systems are not administered to animals.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	20	0	0	0
Investigator :	Jonathan M Kurie			
Document No. :	RM00000566-RN03_AM3			
NIH Guidelines Category :	III-D-1-a.			
Agents :				
Non Viral Systems				
Technical Name	Is Whole Animal Used as Host			
pCAG-Flpo	No			
miR200 promoter/pGL3-basic	No			
pGL3-PMT-miR-34a	No			
mCherry-Golgi-7	No			
EGFP-GalT (pEGFP-N1)	No			
E-cadherin-GFP	No			
pSGHP1	No			
miR34a promoter/pGL3-basic	No			
CRISPR/Cas9	No			
pEGFP ZO1	No			
IGFBP2_GFP	No			
pCMV6-p85alpha-Flag	No			
pIRES2-EGFP	No			
CAS9GFP2	No			
RAB6A_GFP	No			
EGFP_GalNAC (CellLight™ Golgi-GFP *BacMam 2.0*)	No			
393P-pEGFP-C3; 393P-pEGFP-C3-PAQR11; 393P-pEGFP-C3-PAQR11-ΔN; and 393P-pEGFP-C3-PAQR11-ΔC	No			
EGFP_GM130	No			
pEGFP-C3	No			
pcDNA3-EGFP-Rac1-wt	No			
pcDNA 3.1	No			
CAS9GFP2-mLH2	No			
CMV-CAS9-2A-GFP	No			
pEGFP Centrin2 (Nigg UK185)	No			
pSpCas9(BB)-2A-GFP (PX458)	No			
mCherry-Gamma-Tubulin-17	No			
mCherry-Beta-Catenin-20	No			
pGL3-control vector	No			
pET His6 MBP TEV LIC cloning vector	No			
pGL3-basic	No			
CRISPR/Cas9	No			
pEGFP-VSVG	No			
344SQ-pEGFP-C3; 344SQ-pEGFP-C3-PAQR11; 344SQ-pEGFP-C3-PAQR11-ΔN; and 344SQ-pEGFP-C3-PAQR11-ΔC	No			
P1	No			
Zeb1/pcDNA 3.1	No			
CAS9GFP2-hLH2	No			

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	lentiCRISPRv2 (lentiCRISPRv2-GOLGIN45/GRASP55-sgRNAs-pLVX-HA-GOLGIN45-deltaIDR2, lentiCRISPRv2-GOLGIN45/GRASP55-sgRNAs-pLVX-HA-GOLGIN45-deltaIDR3, lentiCRISPRv2-GOLGIN45/GRASP55-sgRNAs-pLVX-HA-GOLGIN45-WT)
Lentivirus	No	lentiGuide-Puro
Lentivirus	No	pLKO.1 puro (pLKO.1-puro-shRNA)
Lentivirus	No	pLVX-Puro-HA
Lentivirus	No	lentiCRISPRv2 (lentiCRISPRv2-GOLGIN45/GRASP55-sgRNAs-pLKO.1-BRAT1/CPEB2/KLF13/LSR/SSP1-shRNA)
Lentivirus	No	lentiCRISPRv2 (lentiCRISPRv2-GOLGIN45-sgRNAs, lentiCRISPRv2-GRASP55-sgRNAs, lentiCRISPRv2-GOLGIN45/GRASP55-sgRNAs)
Lentivirus	No	pLVX-Puro-HA (pLVX-Puro-HA-GOLGIN45-L400R, pLVX-Puro-HA-GOLGIN45-NLS MT, pLVX-Puro-HA-GOLGIN45-WT)
Retroviral	No	pBABE-hygro
Lentivirus	No	plenti 4.1(GFP) and plenti 4.1-miR200b
Lentivirus	No	pCMV-VSV-G
Lentivirus	No	PQCXIX-LUC
Lentivirus	No	Cerulean/LeGo-Cer2 (mCAFs-Cerulean/LeGo-Cer2; mLFs-Cerulean/LeGo-Cer2; huCAFs-Cerulean/LeGo-Cer2; huLFs-Cerulean/LeGo-Cer2)
Lentivirus	No	pLKO.1 (Scramble shRNA)
Lentivirus	No	pLKO.1 (344SQ-pLKO.1-Rock1 shRNA; 344SQ-pLKO.1; 393P-Zeb1-pLKO.1-Rock1 shRNA; 393P-Zeb1-pLKO.1)
Lentivirus	No	pEF-Bsr
Lentivirus	No	pLKO.1 (Rock1 shRNA)
Lentivirus	No	pLVX-Puro (H1299-pLVX-Puro-vector; H1299-pLVX-Puro-miR148a; H1299-pLVX-Puro-miR206)
Lentivirus	No	pLV711G (344SQ-pLV711G)
Lentivirus	No	PQCXIX (344SQ-PQCXIX-LUC; KC2-PQCXIX-LUC; H1299-PQCXIX-LUC; H157-PQCXIX-LUC; A549-PQCXIX-LUC; H441-PQCXIX-LUC)
Retroviral	No	pBABE-puro
Lentivirus	No	pLKO.1 puro (pLKO.1-GFP-shRNA)
Lentivirus	No	pFIV (pFIV-H1-copGFP)

Viral Systems

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

Viral Systems

Lentivirus	No	pLVX-Puro (531LN2-pLVX-Puro-vector; 531LN2-pLVX-Puro-miR148a; 531LN2- pLVX-Puro-miR206)
Lentiviral and CRISPR	No	pHR-SFFV-KRAB-dCas9-P2A-mCherry
Lentivirus	No	pTRIPZ

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Human lung fibroblast cells (CAFs and LFs)	No
mouse lung cancer cells (344SQ, 344P, 531LN1, 531LN2, 393P, 393LN, KC1, KC2, KC3, KC4)	Yes
mouse lung cancer cells (LKR13, 307P, 412P, K1, K2)	No
fibroblast cells (NIH3T3)	No
Mouse embryonic fibroblasts(MEF, H2, H3, G7, G8)	No
Mouse preosteoblast(MC3T3-E1 Subclone 4)	No
Chinese hamster ovary cells (CHO cell line)	No
epithelial cells (HEK293T)	No
Mouse lung fibroblast cells (CAFs and LFs)	Yes
mouse lung squamous cancer cell lines (Trp53-/-; Kmt2d-/- and Trp53-/-; Pten-/-)	Yes
Human lung cancer cells (H520, H596, CALU-1)	No
retrovirus packaging cell line (PT67)	No
Human lung cancer cells (A549, H1299, H441, H358, H1650, H460, H2122, H23, H1395, H3122)	Yes
Human lung cancer cells (H157, H226, HCC95)	No
Mouse cell line (RPMT;Cas9)	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E.coli stb13	No
E.coli DH5 alpha	No
Biosafety Level :	BSL2
Meeting Notes :	Two new plasmids with pCAG-Flpo and lentiGuide-Puro backbones, as well as one PTEN cDNA construct and one cell line, were added to the registration.

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

Investigator : Susan Bullman

Document No. : [RM00007970-RN00_AM12](#)

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

Agents :

Viral Systems

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

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
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Cell Lines

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

Microbial Agents

Name	Administered to Animals in Vivo
Cutibacterium acnes	No
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

Microbial Agents

Fusobacterium strain SB002	Yes
Fusobacterium sphericum	No
Salmonella VNP20009	No
Fusobacterium strain SB010-pFnLux	Yes
Bacteroides fragilis strain CTX25T	Yes
Fusobacterium necrophorum	No
Fusobacterium varium	No
Prevotella intermedia strain 107CP	Yes
Fusobacterium ulcerans	No
Fusobacterium necrophorum strain 107LM	Yes
Fusobacterium periodonticum	No
Escherichia coli Nissle 1917 (EcN)	No
Fusobacterium hominis	No
Porphyromonas asaccharolytica strain 115CP	Yes
Gemella species	No
Bacteroides fragilis strain 106LM	Yes
Biosafety Level :	BSL2
Meeting Notes :	Added Fusobacterium strain and cell lines for in vivo use.

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

Investigator : Warren C Fiskus
Document No. : [RM00008627-RN00_AM1](#)
NIH Guidelines Category : III-D-1-a.
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
BaEV-LV	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
lentivirus	No	lenticrisprV2
Lentivirus	No	pLKO1.puro
lentivirus	No	pLCG (hU6-sgRNA-EFSSpCas9-P2A-GFP)- sgBRD4.N
lentivirus	No	SOP (pRRL-SFFV-Tir1-3xMYC-tag-T2A-Puro)
Lentivirus	No	pLenti_sgRNA_EFS_GFP
lentivirus	No	pLenti-dCas9-KRAB-blast
Lentivirus	No	pHIV-Luc-ZsGreen
lentivirus	No	plenti-CMV vector
lentivirus	No	SO-blue (pRRL-SFFV-Tir1-3xMYC-tag-T2A-EBFP2)
lentivirus	No	pLPG-AID-BRD4 (5'HA-BlastR-P2A-V5-AID-spacer-3'HA-hPGK-eGFP)

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
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Cell Lines

leukemia cell lines	Yes
Human Leukemia cells	Yes
32D bone marrow cells	No
Mantle Cell leukemia/lymphoma	Yes
Pro B cells (Ba/F3)	No
Human embryonic kidney (HEK293T) cells	No
Human iPSC	No

Microbial Agents

Name	Administered to Animals in Vivo
E. coli Sure2	No
E. coli Stbl3	No
Biosafety Level :	BSL2
Meeting Notes :	Human iPSCs was added to the registration for in vitro use with rDNAs.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	20	0	0	0
Investigator :	Jianjun Gao			
Document No. :	TA00003205-RN01_AM1			
NIH Guidelines Category :	III-F-8.			
Agents :				
Species	ACUF#	Genes Inserted	Genes Deleted	
Mouse	00001740-RN03	FGFR3	chromosome 9p21 (including MTAP, CDKN2A, & CDKN2B genes), VHL, SetD2 and CDKN2A	
Biosafety Level :				
Meeting Notes :	Updated IACUC protocol number due to renewal.			

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	20	0	0	0
Investigator :	Eleonora Dondossola			
Document No. :	RM00006800-RN00_AM5			
NIH Guidelines Category :	III-D-1-a.			
Agents :				

Non Viral Systems

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

Viral Systems

Virus System	Virus Administered to Animals	Backbones
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Viral Systems

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

Cell Lines

Cell Line

Cell Lines Administered to Animals in Vivo

Breast Cancer	Yes
Breast Cancer	Yes
Prostate Cancer (PDX)	Yes
Kidney Cancer (UTSWKCP-1, UTSWKCP-3, UTSWKCP-6, UTSWKCP-7, UTSWKCP-8, UTSWKCP-10, UTSWKCP-6.1A, UTSWKCP-6.1B, UTSWKCP-6.1A1, UTSWKCP-6.1B1)	No
Melanoma	Yes
Kidney	Yes
Fibrosarcoma	Yes
Osteoblasts	Yes
Mesenchymal Stem Cells	Yes
Melanoma	Yes
Prostate Cancer (PDX)	Yes

Microbial Agents

Name

Administered to Animals in Vivo

One Shot TOP10 Competent E.Coli	No
Novablue E.Coli	No
Stable3 (Stbl3) Competent E.Coli	No
Biosafety Level :	BSL2
Meeting Notes :	In the amendment new kidney cancer cell lines have been added.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	20	0	0	0
Investigator :	Eleonora Dondossola			

Document No. : [RM00005923-RN00_AM15](#)

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

Agents :

Viral Systems

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

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Osteoblasts	Yes
Endothelial cells	No
Renal LVRCC7	Yes
Prostate Cancer	Yes
Prostate Cancer	Yes
Kidney Cancer (PDX)	Yes
Mesenchymal Stem Cells	Yes
Prostate Cancer (PDX)	Yes
Kidney (Vsd9)	Yes
Kidney	Yes
Kidney	Yes
Kidney Cancer (UTSWKCP-1, UTSWKCP-3, UTSWKCP-6, UTSWKCP-7, UTSWKCP-8, UTSWKCP-10, UTSWKCP-6.1A, UTSWKCP-6.1B, UTSWKCP-6.1A1, UTSWKCP-6.1B1)	No
Kidney (UM-RC-3)	Yes
Biosafety Level :	BSL2
Meeting Notes :	In the amendment new kidney cancer cell lines have been added.

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

Investigator : Neeraj Saini

Document No. : [RM00007399-RN00_AM7](#)

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

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pcDNA3.1	No
pTRKH3-ermGFP	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentiviral	No	pREL
Lentiviral	No	Packaging plasmids RD114, PeqPAM3
Gammaretroviral	No	SFG
lentiviral	No	chimeric gag pol packaging

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

mCD19-28-Cd3z mouse CAR-T cells	Yes
Phoenix Eco	No
A20 lymphoma cell	Yes
Phoenix Eco m1928z CAR producer	No
mouse embryonic fibroblast cell line (NIH/3T3)	No
Human embryonic kidney 293 cells	No
immortalized line of human T lymphocyte cells (Jurkat)	No
EL4 leukemia cell	Yes

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

Enterococcus durans (Edr, strain 6056)	Yes
mutant bacteria strains isolated from healthy human and cancer patient stool samples	Yes
E. faecium Com15	Yes
Human Fecal Microbiota (healthy human/cancer patient stool samples or bacteria cultivated from healthy human/cancer patient stool)	Yes
Mouse Fecal Microbiota (mouse stool or intestinal bacteria cultivated from mouse stool)	Yes
E. faecium Com15-sagA deletion	Yes
Enterococcus Faecalis TX5063a	Yes
Enterococcus Faecalis TX5079	Yes
Enterococcus Faecalis mouse strain	Yes
Enterococcus Faecalis OG1RF	Yes
E. faecium Com15-sagA deletion/psagA	Yes
E. faecalis OG1RF-sagA	Yes
Enterococcus hirae (Ehr, strain 8043)	Yes
mutant bacteria strains isolated from healthy mouse	Yes
Biosafety Level :	BSL2
Meeting Notes :	Phoenix Eco cell lines were added to the registration, and will be use for production of retrovirus.

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

Investigator : Patrick P Lin
Document No. : [RM00000642-RN02_AM1](#)
NIH Guidelines Category : III-D-4-b.
Agents :

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

Lentivirus	No	pGIPZ
Lentivirus	No	pVSV-G
Retrovirus	No	pMSCV-PM-shRNA
Retrovirus	No	pMSCV
Adenovirus	Yes	pAdEasy
Lentivirus	No	pCG-gag/pol

Cell Lines**Cell Line**

Phoenix Eco

293T

Mouse mesenchymal stem cell

Cell Lines Administered to Animals in Vivo

No

No

Yes

Microbial Agents**Name**

E. coli DH5a

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	20	0	0	0

Investigator :

Niki M. Zacharias Millward

Document No. :

[RM00005694-RN00_AM9](#)

NIH Guidelines Category :

III-D-1-a.

Agents :

Viral Systems**Virus System**

Lentivirus

Virus Administered to Animals

No

Backbones

pGIPZ

Cell Lines**Cell Line**

Penile Cells

patient derived renal cell

renal cell

Cell Lines Administered to Animals in Vivo

Yes

Yes

Yes

Biosafety Level :

BSL2

Meeting Notes :

The amendment adds genes of interest, and updates funding information and emergency contact information.

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

Investigator :

Raghu Kalluri

Document No. :

[RM00000518-RN02_AM72](#)

NIH Guidelines Category :

III-D-4-b.

Agents :

Non Viral Systems**Technical Name**

pT/Caggs-NRASV12

pCAG-T7pol

pCMV3-mCD80

pD2529-CMV-ACE2_human

pBS18

Drosha-Mut

pCMV6-CD63-GFP

pCAS9-guide mouse CD274 donor plasmid

pRK5-EGFP-Tau P301L

Is Whole Animal Used as Host

Yes

No

No

No

No

No

No

No

No

Non Viral Systems

CMV ON Col 18 IN PC SPORT 6.1	No
pCMV/SB11	Yes
pMetR-ACE2ecto	No
PDGFRB-TK –TOPO 11	No
human GPC1 donor plasmid	No
pRP[Exp]-Mouse Coll1a2 promoter	No
pDsRed 2-C1	No
pcDNA3-CFP	No
pJKR-H-tetR	No
CAN-Pet 2B Clones 1-4	No
pD2538-CMV-mVEGF	No
pMetR-SPecto	No
HSP-Cre-IRES	No
pD2528-CMV-QHD43416.1	No
pQC membrane Tdtomato IX	No
pCMV3-mFCGR2B-t1	No
mCherry-Tsg101	No
pRP[Exp]-Stuffer>luciferase	No
pT3-myr-AKT-HA	Yes
GPC1	No
pcDNA3-RLUC-POLIOIRES-FLUC	No
pcDNA3.3_mCherry	No
pD2528-CMV-P.1 Spike Protein	No
a2 PD5 (4825Y)	No
pcDNA	No
pD2528-CMV_RBD-TwinStrep-VSV-G_TM_Chimera	No
pcDNA3 GFP PTEN	No
pT3-N90-beta-catenin	Yes
pD2529-CMV	No
pCMV/SB11	No
pCI neo-hEST2-globin mRNA vector	No
mPlum-C1	No
pCMV3-mTNFSF9	No
pGL4.75[hRluc/CMV] Promoter	No
C2 CANSTATIN pc BFT midi	No
pCI neo-hEST2	No
MMTV-cFos-SV40	Yes
pcDNA3-OVA	No
pCMV3-CD40LG	No
pGL3	No
pD2528-CMV_B.1.1.526	No
pD2528-CMV	No
FSP 1 II S4P	No
aSMA-RFP	No
pFLAG CMV 6A Clone 1 (MD 010508)	No
mCherry-CD9-10	No
pRK5-EGFP-Tau	No

Non Viral Systems

ACE2-mFc	No
pCMV/SB10	No
pD2528-CMV-B.1.351 Spike protein	No
SARS-CoV-2 spike protein mRNA	Yes
gRNA Smad4 mouse target #2 gene knockout plasmid	No
pD2529-CMV_ACE2_human_C-trunc-VSV-G-tm	No
pRosa26-DEST	No
pFLAG CMV 6A Clones 1-5	No
CANSTATIN Pet 2B	No
pCMV4a-Flag-c-Myc	No
tdTomato-C1	No
Cerulean-N1	No
pGL4.24 [luc2P/minP]	No
CMV T II Pet 28 Clone	No
pcDNA3 LIC cloning vector	No
pcDNA3-YFP	No
pCep. PU	No
pDESTmycDicer	No
pD2528-CMV_QHD43416.1_C-trunc-VSV-G-tm	No
Human GPC-1 overexpression plasmid	No
pD2528-CMV-QHD43416.1_C-trunc_400492	No
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

Non Viral Systems

pPalmitoyl-mTurquoise2	No
pCMV5 DPC4 (1-514)	No
pcDNA3-SARS-CoV-2-RBD-8his	No
mouse Pdcd1lg2 donor plasmid	No
PCD FL0X	No
GFP-p53	No
pCMV3-mCD2	No
pD2528-CMV-B.1.1.526	No
PresentER-SIINFEKL (GFP)	No
pD2528-CMV-B.1.617.2 Spike Protein	No
pRK5-EGFP-Tau E14	No
Perk K618A	No
pcBFT Col 18 NCL Clone D	No
pEGFP-n1-APP	No
pSpCas9(BB)-2A-Puro (PX459)	No
pLV[Exp]-Bsd-EF1A>{mTrp53[NM_011640.4]*_R245W}	No
mCherry-CD81-10	No
pT2/Onc	No
Oct4 KLF4 Sox2 c-Myc	No
mEmerald-CD81-10	No
PCMV3-mCD40LG	No
pCMV3-C-His_SARS-CoV-2 (2019-nCoV) Nucleoprotein Gene ORF cDNA clone expression plasmid	No
pPAmyCherry1-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 Tgfr2 donor plasmid	No
mouse Smad4 donor plasmid	No
pCMV6-Entry	No
Zeb1	No
pD2528-CMV_RBD-VSV-G_TM_Chimera	No
αSMA-TK	No

Non Viral Systems

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-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 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

Viral Systems

Recombinant vesicular stomatitis virus	Yes	pBS-N-ΦT, pVSV-ΔG-GFP, pVSV-ΔG-Luciferase, pBS-L-ΦT, pCAGGS-G, pCAGGS-G, pcDNA-FLAG-VSVG, pBS-P-ΦT, pcDNA3-SARS-CoV-2-RBD-8his, pD2528-CMV-B.1.351 Spike protein, pD2528-CMV_B.1.1.526, pD2528-CMV-P.1 Spike Protein, pD2528-CMV-QHD43416.1
Lentivirus	No	pCT-CD63-GFP, CMV-hTERT, pLenti-P3A, pLenti-P3B, pLenti-P3C, pLenti-pHluorin_M153R-CD63, pLenti CMV Blast dest, F-Luc/mcherry, pHAGE-BRAF-V600E, PLX302 Luciferase-V5 puro
Lentivirus	No	pDual-ACE2, pCMV-VSV-G, psPAX2
Recombinant vesicular stomatitis virus	Yes	pBS-N-ΦT, pVSV-ΔG-GFP, pVSV-ΔG-Luciferase, pBS-L-ΦT, pCAGGS-G, pcDNA-FLAG-VSVG, pBS-P-ΦT, pD2528-CMV-C.37 Spike Protein, pCMV14-3X-Flag-SARS-CoV-2 S, pD2528-CMV-B.1.617.2 Spike Protein, pD2528-CMV_QHD43416.1_C-trunc
Lentivirus	No	GIPZ Lentiviral shRNA Controls, GIPZ Human CD9 shRNA, GIPZ Human CD63 shRNA, GIPZ Human CD81 shRNA, (LV01) U6-gRNA:efla-puro-2A-Cas9-2A-tGFP, pHR-pSFFV-dCas9-SunTag-P2A-BFP-dWPRE, pHR-pSFFV-dCas9-SunTag-P2A-BFP-dWPRE, pSLQ1651-sgTelomere (F+E)
Lentivirus	Yes	pLKO, pLenti, pTRIPZ, pSP-108, GFP-Luc, pcw-Cas9, pLVX-td Tomato-C1, psPAX2, MD2G, pLVX-TRE3G, CRISPR-Cas9, CRISPR-Cas9-sgVHL, Human shRNA GPC-1 shRNA construct #1-4, CMV-DsRed 3
Retrovirus	No	pBabe, pHIT60, pWZI, pLPC, pMSCV, pLNCX, pRS, pRFP-C-RS, pGFP-V-RS, pUMVC, pBabe-KrasG12D, pLNCX2Scrib, pLPC-scribP305L
Lentivirus	Yes	pCMV-VSV-G, pLentiCRISPRv2, LV/Cas9-Claudin2-sgRNA1,2, LV/Cas9-Claudin10-sgRNA1,2 EGFP gRN, lenti-CRISPR-Cas9-GFP vector, ITR-U6-sgRNA(Kras)-U6-sgRNA(p53)-U6-sgRNA(APC)-pEFS-Rluc-2A-Cre-shortPA-KrasG12D_HDRdonor-ITR (AAV-KPL) vector
Lentivirus	No	pMD2.G, psPAX2, pRDA_550_CHRNA4gRNA, pRDA_550_SERPINB14gRNA, pRDA_550_FCGBPgRNA, pRDA_550_PCNAgRNA

Cell Lines

Cell Line

Cell Lines Administered to Animals in Vivo

Cell Lines

Kidney Cancer (mouse)	Yes
Exosomes derived from cell lines containing spike protein mRNA	No
Colon Cancer (human)	No
Lung Cancer (mouse)	Yes
Breast Cancer (human)	Yes
Pancreas Cancer (mouse)	Yes
Melanoma (mouse)	Yes
293T	No
Fibroblasts (human)	Yes
Bladder Cancer	No
Brain Cancer (human)	Yes
Possible COVID+/SARS-CoV-2 specimens (plasma, serum, stool, buffy coat, or urine)	No
Lung Cancer (human)	Yes
Pancreas Cancer (human)	Yes
Fibroblasts (mouse)	Yes
Kidney Cancer (human)	Yes
Melanoma (human)	No
Breast Cancer (Mouse)	Yes
Exosomes derived from cell lines transfected with SARS-CoV-2 proteins	No
Prostate Cancer (mouse)	Yes
Brain Cancer (mouse)	Yes
293F	No
Prostate Cancer (human)	Yes
Colon Cancer (mouse)	Yes

Microbial Agents**Name**

Bacteroides thetaiotaomicron
Helicobacter mesocricetorum
E.coli k-12

Biosafety Level :

Meeting Notes :

Administered to Animals in Vivo

Yes

Yes

No

BSL2

Transduction of human and mouse genetic elements and shRNA constructs against human and mouse genomes into human and mouse cell lines and mouse primary cells for in vitro and in vivo models of mouse and human cancer.

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

Investigator :

Haoqiang Ying

Document No. :

[RM00001887-RN01_AM9](#)

NIH Guidelines Category :

III-D-4-b.

Agents :

Non Viral Systems**Technical Name**

pSL1180

Is Whole Animal Used as Host

No

Non Viral Systems

ENX-1 CRISPR/Cas9 Knockout plasmid	No
pBR322	No
pCMV	No
pEGFP	No
pGEX	No
pDONR	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	Yes	pLenti6
Lentivirus	Yes	pHAGE
adenovirus	Yes	ad-CMV
retrovirus	No	MSCV
Lentivirus	Yes	pLSM5
Lentivirus	No	pLentiV2
Lentivirus	No	pLKO
retrovirus	No	pBABE

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Colon Cancer	No
T lymphoblast cell line (TALL-104)	No
Mouse pancreatic cancer	Yes
nontumorigenic pancreatic ductal epithelial cells	No
nontumorigenic fibroblast	No
Mouse Embryonic Fibroblasts (MEFs) and Baby Mouse Kidney cells (BMKs)	Yes
Lung Cancer	No
293FT	No
Breast Cancer	No
Pancreatic Cancer	Yes
Sarcoma	Yes
OT-I T cells	No
OT-II T cells	No
melanoma	No

Microbial Agents

Name	Administered to Animals in Vivo
E. Coli DH5a/BL21/STBL3	No
Biosafety Level :	BSL2
Meeting Notes :	The amendment adds mouse MEFs and BMKs to the protocol, updates rDNA information, and includes a new IACUC protocol.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	19	0	1	0
Investigator :	Pramod N Nehete			
Document No. :	RM00003066-RN01_AM1			
NIH Guidelines Category :	III-D-4-b.			
Agents :				

Viral Systems**Virus System**

Adenovirus

Virus Administered to Animals

Yes

Backbones

Single-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

Cell Lines 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	20	0	0	0
Investigator :		Luigi Perelli		
Document No. :		RM00008252-RN00_AM11		
NIH Guidelines Category :		III-D-4-b.		
Agents :				

Non Viral Systems**Technical Name**

pCDNA

Is Whole Animal Used as Host

No

Viral Systems**Virus System**

Lentivirus

Virus Administered to Animals

No

Backbones

pSICO, pHAGE

Adeno-associated virus

Yes

pEMS2158

Lentivirus

No

pMD2.G, psPAX2, LentiCRISPR-V2

Cell Lines**Cell Line**

293 T helper cells

Cell Lines Administered to Animals in Vivo

No

Kidney cancer cells

No

Brain cancer cells

No

NAMEC 8

Yes

4t1

Yes

4T07

Yes

PTEC

Yes

D2A1

Yes

GM25256 iPSC line

Yes

iPSC

Yes

HMLER

Yes

Microbial Agents**Name**

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

Administered to Animals in Vivo

No

Biosafety Level :

BSL2

Meeting Notes :

This amendment adds of a new cell line for in vivo orthotopic transplantation.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	20	0	0	0
Investigator :	Simona Colla			
Document No. :	RM00000201-RN02_AM4			
NIH Guidelines Category :	III-D-1-a.			
Agents :				
Viral Systems				
Virus System	Virus Administered to Animals		Backbones	
Lentivirus	No		pHage	
lentivirus	No		vsvg and 8.74delta (packaging system)	
lentivirus	No		pRSIEG	
lentivirus	No		pRCDCMEGP	
Cell Lines				
Cell Line	Cell Lines Administered to Animals in Vivo			
myeloma cell lines (H929, JJN3, L363, KMS-11)	Yes			
mouse hematopoietic stem cells	Yes			
kidney cell line, 293T	No			
cells from patients with myelodysplastic syndrome	Yes			
Microbial Agents				
Name	Administered to Animals in Vivo			
E coli	No			
Biosafety Level :	BSL2			
Meeting Notes :	Amendment includes addition of lentivirus systems which will not be administered to animals.			

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	20	0	0	0
Investigator :	Francois Villinger			
Document No. :	RM00008244-RN00_AM1			
NIH Guidelines Category :	NA			
Agents :				

Non Viral Systems				
Technical Name	Is Whole Animal Used as Host			
Pfs25, PfCSP, Pvs25	Yes			
SOSIP (HIVenv scaffold)	Yes			
Biosafety Level :	BSL2			
Meeting Notes :	Added new IACUC protocol number.			

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	20	0	0	0
Investigator :	Kristen Pauken			
Document No. :	RM00006570-RN00_AM22			
NIH Guidelines Category :	III-D-1-a.			
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, Cre-Mscarlette-pRpl18-4x MirT

lentivirus

No

psPax2, pMD2.G, pLC-ZsGreen-P2A-puro

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

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

293T

No

mouse melanoma (B16-OVA)

Yes

mouse melanoma (YUMM1.7)

Yes

mouse melanoma (YUMM1.7-ZsGreen-GP100-EGP medium peptide)

Yes

mouse melanoma (YUMM1.7-ZsGreen-GP100-EGS weak peptide)

Yes

mouse melanoma (YUMM1.7-ZsGreen-GP100-KGP strong peptide)

Yes

mouse melanoma (YUMM1.7-ZsGreen-GP100-KVP human orthologue)

Yes

mouse melanoma (YUMM3.3)

Yes

mouse melanoma (D4M-UV2)

Yes

mouse melanoma (YUMM3.3-ZsGreen)

Yes

mouse melanoma (YUMM1.7-ZsGreen)

Yes

mouse melanoma (D4M-UV2 Rpl18-MScarlet)

No

mouse melanoma (B16-OVA-ZsGreen)

Yes

mouse melanoma (B16-OVA-ZsGreen-GP100-EGP medium peptide)

Yes

mouse melanoma (YUMM3.3-ZsGreen-GP100-EGS weak peptide)

Yes

mouse melanoma (B16-OVA-ZsGreen-GP100-EGS weak peptide)

Yes

mouse melanoma (B16-OVA-ZsGreen-GP100-KGP strong peptide)

Yes

Cell Lines

mouse melanoma (YUMM3.3 Rpl18-MScarlet)	No
mouse melanoma (YUMM3.3-ZsGreen-GP100-EGP medium peptide)	Yes
mouse melanoma (B16-OVA-ZsGreen-GP100-KVP human orthologue)	Yes
mouse colon adenocarcinoma (MC38)	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E. coli Stb13	No
Biosafety Level :	BSL2
Meeting Notes :	The amendment includes administrative biosafety updates, including renewal of the associated IACUC protocol number, removal of unused cell lines, and updates to active funding sources.

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

Investigator :	Peter Grace
Document No. :	RM00003601-RN01_AM16
NIH Guidelines Category :	III-D-4-b.
Agents :	

Non Viral Systems

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

Viral Systems

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

Cell Lines

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

Microbial Agents**Name**

E.coli DH5α

Administered to Animals in Vivo

No

Biosafety Level :

BSL2

Meeting Notes :

Added HSV-1 for in vivo use, as topic application to the hind limb. ACUF protocol information was updated and its under IACUC review.

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

Approved With Contingencies

20

0

0

0

Investigator :

Joseph McCarty

Document No. :

[RM00000306-RN02_AM8](#)

NIH Guidelines Category :

III-D-4-b.

Agents :

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

pX330

Yes

pBLUE-II KS+/-

No

pcDNA4

No

pGLAST-Cas9

Yes

pGBKT7

No

pET-3X

No

pcDNA1

No

pRK5

No

pCMV-Tag3B

No

ATP

No

CAS

No

PBCAG-GFP

Yes

pB-IRES-GFP

No

PEST

No

pCR-BLUNT-TOPO II

No

pBluescript

No

p3x-FlagCMV7

No

pCMV-myc

No

pcDNA3.1

No

pGEX 6P-1

No

pGADT7

No

PB CAG GFP2aLuc

No

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

Lentivirus shRNA

No

pGIPZ

Lentivirus shRNAs targeting bovine Smads

No

pLL3.7

Lentivirus

No

pMSCV 2.2

Retrovirus expressing V12-H-Ras

No

pBABE

Lentivirus

No

pLL3.7

Viral Systems

Adenovirus-Cre	Yes	Adenovirus type 5, AAV/BI30-CAG-3xmiR122-WPRE
Lentivirus, pLV-EGFP-Luciferase	No	pLV
Adenovirus-GFP	Yes	Adenovirus type 5, AAV/BI30-CAG-3xmiR122-WPRE
Lentivirus-Cre	Yes	pLOC
Lentiviral CRISPR-Cas9	No	pLKO0.005
Lentivirus shRNAs targeting MGP	No	pLL3.7
Lentivirus shRNA	No	pLL3.7
Lentivirus, pLZRS-IRES-puro-EGFP	No	pLZRS
Adenovirus-Mfsd2a	Yes	Adenovirus type 5, AAV/BI30-CAG-3xmiR122-WPRE
RCAS avian virus expressing PDGFBB	Yes	RCASBP(B)
Retrovirus expressings E6/E7 oncogenes	No	pBABE
Lentivirus expressing TOPFLASH	No	PGL3

Cell Lines

Cell Line

LN229 - human brain tumor GBM
Brain Astrocytes
GBM brain tumor Cells
rat-1 fibroblasts (from whole rat embryo)
GSC Brain tumor Cells
GL261 brain tumor
COS kidney fibroblasts
DF-1 fibroblasts (from whole chicken embryo)
HEK293T(human embryonic kidney cells)
embryonic fibroblasts (from whole mouse embryo)
brain astroglial progenitor cells
brain endothelial cells
NIH3T3 fibroblasts (from whole mouse embryo)
Phoenix ecotropic retroviral packaging kidney cell line
HUVEC(Human umbilical vein endothelial cells)

Cell Lines Administered to Animals in Vivo

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

Microbial Agents

Name

yeast (AH109)
ecoli XL1-blue
ecoli k-12
ecoli DH5alpha
ecoli BL21
ecoli HB101

Administered to Animals in Vivo

No
No
No
No
No
No

Biosafety Level :

BSL2

Meeting Notes :

Updated IACUC protocol number due to renewal.

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

Investigator :

Jianjun Gao

Document No. :

RM00002582-RN01_AM16

NIH Guidelines Category :

III-D-4-b.

Agents :

Non Viral Systems

Technical Name

Is Whole Animal Used as Host

No
No
No
No
No
No

Viral Systems

Virus System

Virus Administered to Animals

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

Backbones

Cell Lines

Cell Line

Cell Lines Administered to Animals in Vivo

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

Microbial Agents

Name

Administered to Animals in Vivo

Microbial Agents

[REDACTED]

[REDACTED]

Biosafety Level :

Meeting Notes :

No

Yes

BSL2

Updated IACUC protocol number due to renewal.

Corrective action regarding IRB approval memo noted.

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

Investigator :

Kenneth Hu

Document No. :

[RM00006633-RN00_AM15](#)

NIH Guidelines Category :

III-D-4-b.

Agents :

Non Viral Systems

Technical Name

[REDACTED]

[REDACTED]

[REDACTED]

Is Whole Animal Used as Host

No

No

No

Viral Systems

Virus System

[REDACTED]

[REDACTED]

Virus Administered to Animals

No

Yes

[REDACTED]

No

[REDACTED]

Yes

[REDACTED]

No

[REDACTED]

Yes

[REDACTED]

No

[REDACTED]

Yes

Cell Lines

Cell Line

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

Cell Lines Administered to Animals in Vivo

No

Yes

Yes

Yes

Yes

Yes

No

Microbial Agents

Name

[REDACTED]

Biosafety Level :

Meeting Notes :

Administered to Animals in Vivo

No

BSL2

In this amendment, some previous personnel were removed, and the associated IACUC protocol was updated.

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

Investigator :

Kristen Pauken

Document No. :

[TA00006318-RN00_AM21](#)

NIH Guidelines Category :

III-F-8.

Agents :

Species	ACUF#	Genes Inserted	Genes Deleted
Mouse	00002403-RN01		Ctla4, Pdc1, Kitl
Mouse	00002324-RN01	E8i-cre, Foxp3-GFP, UBC-CreERT2, Pdc1 Ptpnc	

Biosafety Level :

Meeting Notes :

Updated IACUC protocol number due to renewal.

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

Investigator :

Michael Andreeff

Document No. :

[RM00002986-RN01_AM4](#)

NIH Guidelines Category :

III-D-1-a.

Agents :

Non Viral Systems

Technical Name

TALE writer sequence

pKTol2C-FusXTBE-N

pKTol2C-FusXTBE-C

Is Whole Animal Used as Host

No

No

No

Viral Systems

Virus System

Lentivirus (pcclsin)

Lentivirus (pLKO)

Lentivirus

Lentivirus

Lentivirus (pLT)

Virus Administered to Animals

No

No

No

No

No

Backbones

pcclsin

pLKO

pTRIPZ

pCDH-510

pLT

Cell Lines

Cell Line

human leukemia cell lines

Mouse primary cells

PDX AML cells

mesenchymal stromal cells

HEK293T Human kidney

Cell Lines Administered to Animals in Vivo

Yes

Yes

Yes

Yes

No

Microbial Agents**Name**

E.coli NEB stable

Administered to Animals in Vivo

No

Biosafety Level :

BSL2

Meeting Notes :

The amendment adds non-viral vectors that will be utilized with rDNA and cells in vitro.

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

Investigator :

Shiaw-Yih Lin

Document No. :

[RM00000658-RN02_AM2](#)

NIH Guidelines Category :

III-D-1-a.

Agents :

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

pcmv/myc/nuc

No

pCS2+

No

Cas9 SmartNickase

No

pCI-neo

No

pGEX-4T-1

No

pEGFP-N1

No

PGL2

No

pcDNA3.1

No

Cas9 Null-nuclease

No

p3Xflag-CMV-9

No

CRISPR/Cas9 KO Plasmid (Santa Cruz)

No

pDest-560

No

pBR322

No

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

lentivirus

No

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

Lentivirus

No

pCignal Lenti-CMV-luc

lentivirus

No

PLK0.1; lentiCRISPR v2; pGIPZ; pLOC

lentivirus

No

pLenti6.3/V5-DEST

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

TNBC Patient-derived xenograft organoids (PDxOs)

No

Endometrial Cancer cell

No

Normal immortalized human breast epithelial cell line

Yes

Ovarian Cancer cell

No

Colon mouse cell

Yes

Endometrial mouse cell

No

Prostate cancer cell

No

Breast cancer cell

Yes

Renal cancer

No

Osteosarcoma cell

No

human embryonic kidney 293 cells
Pancreatic cancer cell
Colon Cancer cell
Lung cancer cell

No
No
Yes
No

Name

HB101 E.coli k-12
Xl1-blue E.coli k-12
DH5 alpha E.coli k-12

Biosafety Level :

Meeting Notes :

Administered to Animals in Vivo

No
No
No

BSL2

The IACUC protocol information, personal protective equipment and funding information were updated. Patient-derived xenograft organoids were added to agents.

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

Investigator :

Document No. :

NIH Guidelines Category :

Agents :

Samuel Mok

RM00000117-RN02 AM5

III-D-4-b.

Non Viral Systems

Technical Name

Administration	Percentage
Current Administration	55%
Previous Administration	45%

Is Whole Animal Used as Host

No
No
No
No
No

Viral Systems

Virus System

██████████
██████████
██████████

Virus Administered to Animals

No
No
No

Backbones

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

Cell Lines

Cell Line

[illegible]

Cell Lines Administered to Animals in Vivo

Yes
Yes
Yes
Yes
Yes
Yes

Cell Lines

	Yes
	Yes

Microbial Agents

Name

Biosafety Level :

Meeting Notes :

Administered to Animals in Vivo

No

BSL2

Updated IACUC protocol number due to renewal.

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

Investigator :

Eduardo Vilar Sanchez

Document No. :

[RM00000187-RN02_AM9](#)

NIH Guidelines Category :

III-D-4-b.

Agents :

Non Viral Systems

Technical Name

Is Whole Animal Used as Host

No

No

No

No

No

No

No

Viral Systems

Virus System

Virus Administered to Animals

Yes

No

No

No

Backbones

Cell Lines

Cell Line

Cell Lines Administered to Animals in Vivo

No

No

Yes

Yes

Yes

Biosafety Level :

BSL2

Meeting Notes :

They added an vector for use in vitro.

8. ADMINISTRATIVE MODIFICATIONS

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

Investigator :

Seyed Javad Mirhassani Moghaddam

Document No. :

[RM00004922-RN01_AM2](#)

NIH Guidelines Category :

Agents :

Viral Systems

Virus System

Lentivirus

Virus Administered to Animals

Yes

Backbones

EMPTY

Microbial Agents

Name

NTHi Strain 12 lysate

Administered to Animals in Vivo

Yes

Biosafety Level :

BSL2

Meeting Notes :

Personnel changes only.

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

Investigator :

Neeraj Saini

Document No. :

[RM00007399-RN00_AM8](#)

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name

pTRKH3-ermGFP

pcDNA3.1

Is Whole Animal Used as Host

No

No

Viral Systems

Virus System

Lentiviral

Lentiviral

Gammaretroviral

lentiviral

Virus Administered to Animals

No

No

No

No

Backbones

pREL

Packaging plasmids RD114, PeqPAM3

SFG

chimeric gag pol packaging

Cell Lines

Cell Line

mouse embryonic fibroblast cell line (NIH/3T3)

Human embryonic kidney 293 cells

immortalized line of human T lymphocyte cells (Jurkat)

mCD19-28-Cd3z mouse CAR-T cells

A20 lymphoma cell

EL4 leukemia cell

Phoenix Eco

Phoenix Eco m1928z CAR producer

Cell Lines Administered to Animals in Vivo

No

No

No

Yes

Yes

Yes

No

No

Microbial Agents

Name

mutant bacteria strains isolated from healthy human and cancer patient stool samples

E. faecium Com15

Human Fecal Microbiota (healthy human/cancer patient stool samples or bacteria cultivated from healthy human/cancer patient stool)

Mouse Fecal Microbiota (mouse stool or intestinal bacteria cultivated from mouse stool)

Administered to Animals in Vivo

Yes

Yes

Yes

Yes

Microbial Agents

E. faecium Com15-sagA deletion	Yes
Enterococcus Faecalis TX5063a	Yes
Enterococcus Faecalis TX5079	Yes
Enterococcus Faecalis mouse strain	Yes
Enterococcus Faecalis OG1RF	Yes
E. faecium Com15-sagA deletion/psagA	Yes
E. faecalis OG1RF-sagA	Yes
mutant bacteria strains isolated from healthy mouse	Yes
Enterococcus durans (Edr, strain 6056)	Yes
Enterococcus hirae (Ehr, strain 8043)	Yes
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

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

Investigator : Albert Koong
Document No. : [RM00002797-RN01_AM6](#)
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	
	No	
	No	
	No	
	No	
	No	
	No	
	No	
	No	
	No	
	No	
	No	
	Yes	
	No	

Cell Lines

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

Cell Lines

Yes

Yes

Yes

No

Yes

Yes

Yes

Yes

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	20	0	0	0

Investigator :

Raghu Kalluri

Document No. :

[RM00000518-RN02_AM73](#)

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name

472997: pD2528-CMV-472997

pCMV/SB10

mouse Tgfr2 donor plasmid

PGC1a flag

Flag-P53/pRK5

pCMV4a-Flag-c-Myc

Perk WT

pD2528-CMV_QHD43416.1_C-trunc

GFP-p53

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

pEGFP-AGO2

pcDNA3-RLUC-POLIOIRES-FLUC

α SMA-TK

mPlum-C1

pJKR-H-tetR

pD2529-CMV-ACE2_human

mouse Gpc1 donor plasmid

pAmCherry1-C1

pCMV3-mFCGR2B-t1

pD2528-CMV-P.1 Spike Protein

nCov-1 nCov-2P-F3CH2S

pcDNA3-YFP

pCMV6-CD63-GFP

pcDNA3.3_mCherry

Is Whole Animal Used as Host

No

No

No

No

No

No

No

No

No

No

No

No

No

No

No

No

No

No

No

No

No

No

No

No

Non Viral Systems

CMV T II Pet 28 Clone	No
tdTomato-C1	No
499328: pD2528-CMV-472997	No
pCMV3-mTNFSF9	No
pDsRed Express 1	No
pMetLuc-Mem Control	No
pFLAG CMV 6A Clones 1-5	No
pCI neo-hEST2-globin mRNA vector	No
pD2528-CMV:499328	No
pT2/Onc	No
pCMV6-Entry	No
pEGFP-n1-APP	No
MCX K11F1 PC BFT	No
pCAG-T7pol	No
pCMV3-untagged	No
PDGFRB-PDsRed	No
aSMA-RFP	No
pFLAG CMV 6A Clone 1 (MD 010508)	No
MMTV-cFos-SV40	Yes
pCMV3-mCD80	No
pDESTmycDicer	No
Drosha WT	No
pRK5-EGFP-Tau P301L	No
a2 PD5 + CAR	No
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

Non Viral Systems

CAN-Pet 2B Clones 1-4	No
pD2528-CMV-C.37 Spike Protein	No
pD2528-CMV-QHD43416.1_C-trunc_400492	No
TK-TQ 004	No
pcDNA3-CFP	No
NG2-TK	No
pVax1-hVEGF165	No
pCMV3-mCD2	No
pPalmitoyl-mTurquoise2	No
pcBFT-Col 18 TSPN Clone 1	No
gRNA Smad4 mouse target #2 gene knockout plasmid	No
HSP-Cre-IRES	No
pCAS9-guide mouse CD274 donor plasmid	No
FSP 1 II S4P	No
pSpCas9(BB)-2A-GFP (PX458)	No
Oct4 KLF4 Sox2 c-Myc	No
mCherry-CD9-10	No
mouse Pdcd1lg2 donor plasmid	No
EBFP2-C1	No
pcDNA3.1-CMV-CFP;UBC-Cre25nt	No
pD2528-CMV-QHD43416.1	No
pQC membrane Tdtomato IX	No
Zeb1	No
pIRES2-EGFP-p53 WT	No
pD2528-CMV_RBD-TwinStrep-VSV-G_TM_Chimera	No
pCMV3-CD80	No
pD2529-CMV	No
GGT-SV40	No
pCep. PU	No
pD2528-CMV-B.1.1.526	No
Human GPC-1 overexpression plasmid	No
SARS-CoV-2 spike protein mRNA	Yes
pMetR-ACE2ecto	No
pD2528-CMV-IVT mRNA vector	No
FSP1-GFP	No
pcDNA3 LIC cloning vector	No
T7 PelB His6	No
PresentER-SIINFEKL (GFP)	No
mCherry-CD81-10	No
PDGFRB-TK –TOPO 11	No
C2 CANSTATIN pc BFT midi	No
pBS18	No
pCMV/SB11	No
pD2528-CMV	No
mCherry-Tsg101	No
pCMV3-CD40LG	No
pT3-N90-beta-catenin	Yes

Non Viral Systems

MtPT4-eGFP	Yes
SB100X in pCAG globin pA	Yes
pT3-EF1A-MYC-IRES-luc	Yes
Perk K618A	No
pD2528-CMV_QHD43416.1_C-trunc-VSV-G-tm	No
ACE2-mFc	No
pCMVTag4-Dicer	No
pD2538-CMV-mVEGF	No
pCAG-mGFP	No
pRP[Exp]-Mouse Col1a2 promoter	No
pRP[Exp]-Stuffer>luciferase	No
pGL4.75[hRluc/CMV] Promoter	No
pGL4.24 [luc2P/minP]	No
pGL4 [luc2P/COLA1A/Hygro]	No
pLV[Exp]-Bsd-EF1A>{mTrp53[NM_011640.4]*_R245W}	No
pGL3	No
pcDNA3-OVA	No
pcDNA3-SARS-CoV-2-RBD-8his	No
pD2528-CMV-B.1.617.2 Spike Protein	No
pCMV6-AC-mGFP	No
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,

Viral Systems

		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
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

Viral Systems

Lentivirus	Yes	Trp53 donor plasmid, Negative Scramble, gRNA, Scramble Negative, E1a-EGFP-Cre; gRNA Pcd1lg2, Tgfbr2, Smad4, Gpc1, Gpc1(hu), CD274 target #1 gene knockout plasmid, gRNA Pcd1lg2, 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-dWPPE, pHR-pSFFV-dCas9-SunTag-P2A-BFP-dWPPE, pSLQ1651-sgTelomere (F+E)
Adenovirus	Yes	pAdEasy, Ad-Null, Ad-mCherry-Cre, Ad-GFP-2A-iCRE, Ad-DET1, Ad-CMV-FLPO
Lentivirus	Yes	pCMV-VSV-G, pLentiCRISPRv2, LV/Cas9-Claudin2-sgRNA1,2, LV/Cas9-Claudin10-sgRNA1,2 EGFP gRN, lenti-CRISPR-Cas9-GFP vector, ITR-U6-sgRNA(Kras)-U6-sgRNA(p53)-U6-sgRNA(APC)-pEFS-Rluc-2A-Cre-shortPA-KrasG12D_HDRdonor-ITR (AAV-KPL) vector
Adenoassociated virus (AAV)	No	AAV control, AAV ATDC, AAV CEACAM, AAV CTSE, AAV KLK10 or AAV KTLLPTP
Lentivirus	No	pMD2.G, psPAX2, pRDA_550_CHRNA4gRNA, pRDA_550_SERPINB14gRNA, pRDA_550_FCGBPgRNA, pRDA_550_PCNAgRNA

Cell Lines

Cell Line

Cell Lines Administered to Animals in Vivo

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

Cell Lines

Kidney Cancer (mouse)	Yes
Lung Cancer (human)	Yes
Pancreas Cancer (mouse)	Yes
Exosomes derived from cell lines transfected with SARS-CoV-2 proteins	No
293F	No
Brain Cancer (mouse)	Yes
Lung Cancer (mouse)	Yes
Bladder Cancer	No
Pancreas Cancer (human)	Yes
Kidney Cancer (human)	Yes
293T	No

Microbial Agents

Name	Administered to Animals in Vivo
Helicobacter mesocricetorum	Yes
Bacteroides thetaiotaomicron	Yes
E.coli k-12	No
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

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

Investigator : Kathleen Marie McAndrews
Document No. : [RM00007830-RN00_AM4](#)
NIH Guidelines Category :
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pPalmitoyl-mTurquoise2	No
pPAmCherry1-C1	No
pCMV6-CD63-GFP	No
pcDNA3-CFP	No
mEmerald-CD81-10	No
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
pGL4.50[luc2/CMV/Hygro]	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

Lentiviral particles
Adeno-associated virus

Virus Administered to Animals

Yes
No

Backbones

pLKO.1 shRNA
p-AAV-sh[control], pAAV.U6.shRNA-Sdc1-1376
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
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
Ad-Null, Ad-mCherry-Cre, Ad-GFP-2A-iCRE, Ad-CMV-FLPO,

Lentivirus

Yes

Lentivirus

Yes

Adenovirus

Yes

Cell Lines

Cell Line

Kidney cancer (mouse)
Prostate cancer (mouse)
Brain cancer (human)
Brain cancer (mouse)
Melanoma (human)
Breast cancer (human)
Melanoma (mouse)
Breast cancer (mouse)
Lung cancer (human)
Colon cancer (human)
Lung cancer (mouse)
Colon cancer (mouse)
Fibroblasts (human)
Pancreas cancer (human)
Pancreas cancer (mouse)
Fibroblasts (mouse)
293F
293T
Prostate cancer (human)
Kidney cancer (human)

Cell Lines Administered to Animals in Vivo

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

Microbial Agents

Name

E.coli k-12
Biosafety Level :
Meeting Notes :

Administered to Animals in Vivo

No
BSL2
Personnel changes only.

Disposition

Approved

Votes For

20

Votes Against

0

Votes Abstain

0

Votes-Recuse

0

John

Cell Lines

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

Microbial Agents

Name

[REDACTED]
[REDACTED]

Biosafety Level :

Meeting Notes :

Administered to Animals in Vivo

Yes

No

BSL2

Personnel changes only.

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

Investigator :

Sarina Anne Piha-Paul

Document No. :

[RM00008659-RN00_AM1](#)

NIH Guidelines Category :

Agents :

Viral Systems

Virus System

[REDACTED]

Virus Administered to Animals

No

Backbones

[REDACTED]

Biosafety Level :

BSL2

Meeting Notes :

Personnel changes only.

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

Investigator :

Emily Keung

Document No. :

[RM00006821-RN00_AM18](#)

NIH Guidelines Category :

Agents :

Non Viral Systems

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

Viral Systems

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

Cell Lines

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

Microbial Agents

Name	Administered to Animals in Vivo
E. coli (k-12, DH5a, DH10B, Stbl2, Stbl3, Stbl4, MDS42RecA, BJ5183, Top10F')	No
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

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

Investigator : Xiling Shen

Document No. : [RM00007541-RN00_AM12](#)

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pcDNA3	No

Non Viral Systems

pEGFP	No
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Viral Systems

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

Cell Lines

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

Microbial Agents

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

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

Investigator :	Guocan Wang
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Document No. :	RM00002407-RN01_AM22
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NIH Guidelines Category :	
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Agents :	
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Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pCDNA, pCDNA3, pCDNA3.1	No
pUC Ori vector (PX330)	No
pCMV, PCMV deltaR8.74, pCMV5, pCMV6	No
pCR3.1 AR-V7	No
ECO-PAK	No
pBluescript KS(-), pBluescript II sk+	No
pCAG-pBase	No
pENTER AR-V7	No
pMGL	No
pENTR223	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus/ shRNA	Yes	pLenti, CRISPR/ Cas9
Lentivirus/OE	Yes	pLenti 6.3-V5/DEST and pLenti4-V5/DEST
Lentivirus/shRNA	No	pLenti6/BLOCK-iT-DEST

Viral Systems

Lentivirus/packaging virus	Yes	pRSV-Rev, pMD2.G, pMD-VSVG; pAX2
Lentivirus/ shRNA	Yes	pLKO.1, pLenti6.3, pLenti4, pLKO.3G, pHAGE, pLVX
Retrovirus	Yes	pBabe, pWZL, pMSCV
Lentivirus	Yes	pHAGE AR-V7, pLEX305_Cterm-dTAG, pLEX305_Nterm-dTAG, PITChv2-BSD-dTAG (BRD4), pCRIS-PITChv2-dTAG-BSD (BRD4), PITChv2-Puro-dTAG (BRD4), pCRIS-PITChv2-dTAG-Puro (BRD4), & pX330A-nBRD4/PITCh
Lentivirus/ shRNA	Yes	pLenti, pTomo, pCCL-cppt-PGK-WPRE
Retrovirus	Yes	MIG (MIG-Flag-ER-Hoxb8)
AAV-Cre-GFP	Yes	pAAV-MCS
Retrovirus	Yes	pBabe, pQCXIN, pRKO, pEYK, pRRL
Retrovirus	Yes	MSCV (MSCV neo-HA-ER-Hoxb8)
Lentivirus/shRNA	No	pLentiRNAGuide_002 - hU6-RfxCas13d-DR-BsmBI-EFS-Puro-WPRE, pLentiRNAGuide_001 - hU6-RfxCas13d-DR-BsmBI-EFS-Puro-WPRE, piLenti-siRNA & pGIPZ Lentiviral shRNA

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Mouse Bone Marrow (Jedi Bone Marrow)	Yes
Mammary gland cells derived from metastatic sites (e.g., HCC1954, MCF7, MDA-MB231, SKBR3)	Yes
Mouse Myeloid (ER-HoxB8 GMP)	No
Prostate cell lines derived from metastatic sites (e.g., DU145, LNCAP, PC3, PC3M, VCAP)	Yes
HL 60 (Promyeloblast)	No
Fibroblast cell lines	No
Chinese Hamster Ovary (CHO-SCF)	No
Urothelial carcinoma (NHU-Tert, HT1197, HT1376, T24, RT-112,)	Yes
Urothelial carcinoma (MB49)	Yes
Human endothelial cell lines	Yes
Human NEPC (NCI-H660, LASCPC-1)	Yes
Prostate cancer cell lines	Yes
Urothelial carcinoma (UCC-3, UCC-14, UCC-17, UCC-36)	Yes
Mammary gland ductal carcinoma (e.g., BT459, BT474)	No
Mouse Melanoma (B16-GM-CSF)	No
Colon cancer cell line (HCT116)	Yes
Mouse Embryonic Stem Cells	No
Lung derived from metastatic sites (e.g., H2052, H2B)	No
Prostate cancer cell lines	Yes
Mouse NEPC (PTR, KPTR)	Yes

Cell Lines

Mammary gland cell lines (e.g., 4T07, 4T1, HCC1428, HCC1429, HCC1469, HMLE, HS578T, MCF10A)	No
Human NEPC (144-13)	Yes
Urothelial carcinoma (UPPL1541, BBN963)	Yes
Embryonal kidney cell lines (293T)	No
Mouse Kidney Cancer Cell Line RENCA	Yes
Human Kidney Cancer Cell Lines 769P, 786O & A498)	Yes
Mouse Kidney Cancer Cell Line LVRCC67	Yes

Microbial Agents

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

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

Investigator : Huifang Lu
Document No. : [RM00007288-RN00_AM2](#)
NIH Guidelines Category :
Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
██████████	No	██████████

Cell Lines

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

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

Investigator : Eleonora Dondossola
Document No. : [RM00005923-RN00_AM14](#)
NIH Guidelines Category :
Agents :

Viral Systems

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

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Prostate Cancer (PDX)	Yes
Prostate Cancer	Yes
Renal LVRCC7	Yes

Cell Lines

Kidney	Yes
Mesenchymal Stem Cells	Yes
Endothelial cells	No
Kidney Cancer (PDX)	Yes
Osteoblasts	Yes
Kidney Cancer (UTSWKCP-1, UTSWKCP-3, UTSWKCP-6, UTSWKCP-7, UTSWKCP-8, UTSWKCP-10, UTSWKCP-6.1A, UTSWKCP-6.1B, UTSWKCP-6.1A1, UTSWKCP-6.1B1)	No
Kidney (Vsd9)	Yes
Kidney	Yes
Kidney (UM-RC-3)	Yes
Prostate Cancer	Yes
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

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

Investigator : Ecaterina Ileana Dumbrava

Document No. : [RM00006708-RN00_AM2](#)

NIH Guidelines Category :

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

Biosafety Level : BSL2

Meeting Notes : Personnel changes only.

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

Investigator : Jonathan M Kurie

Document No. : [RM00000566-RN03_AM4](#)

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name

miR200 promoter/pGL3-basic

pGL3-PMT-miR-34a

mCherry-Golgi-7

EGFP-GalT (pEGFP-N1)

E-cadherin-GFP

pSGHP1

miR34a promoter/pGL3-basic

CRISPR/Cas9

Is Whole Animal Used as Host

No

No

No

No

No

No

No

No

Non Viral Systems

pEGFP ZO1	No
IGFBP2_GFP	No
pCMV6-p85alpha-Flag	No
pIRES2-EGFP	No
CAS9GFP2	No
RAB6A_GFP	No
EGFP_GalNAC (CellLight™ Golgi-GFP *BacMam 2.0*)	No
393P-pEGFP-C3; 393P-pEGFP-C3-PAQR11; 393P-pEGFP-C3-PAQR11-ΔN; and 393P-pEGFP-C3-PAQR11-ΔC	No
EGFP_GM130	No
pEGFP-C3	No
pcDNA3-EGFP-Rac1-wt	No
pcDNA 3.1	No
CAS9GFP2-mLH2	No
CMV-CAS9-2A-GFP	No
pEGFP Centrin2 (Nigg UK185)	No
pSpCas9(BB)-2A-GFP (PX458)	No
mCherry-Gamma-Tubulin-17	No
mCherry-Beta-Catenin-20	No
pGL3-control vector	No
pET His6 MBP TEV LIC cloning vector	No
pGL3-basic	No
CRISPR/Cas9	No
pEGFP-VSVG	No
344SQ-pEGFP-C3; 344SQ-pEGFP-C3-PAQR11; 344SQ-pEGFP-C3-PAQR11-ΔN; and 344SQ-pEGFP-C3-PAQR11-ΔC	No
P1	No
Zeb1/pcDNA 3.1	No
CAS9GFP2-hLH2	No
pCAG-Flpo	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	lentiCRISPRv2 (lentiCRISPRv2-GOLGIN45/GRASP55-sgRNAs-pLVX-HA-GOLGIN45-deltaIDR2, lentiCRISPRv2-GOLGIN45/GRASP55-sgRNAs-pLVX-HA-GOLGIN45-deltaIDR3, lentiCRISPRv2-GOLGIN45/GRASP55-sgRNAs-pLVX-HA-GOLGIN45-WT)
Lentivirus	No	pLKO.1 puro (pLKO.1-puro-shRNA)
Lentivirus	No	pLVX-Puro-HA
Lentivirus	No	lentiCRISPRv2 (lentiCRISPRv2-GOLGIN45/GRASP55-sgRNAs-pLKO.1-BRAT1/CPEB2/KLF13/LSR/SSP1-shRNA)

Viral Systems

Lentivirus	No	lentiCRISPRv2 (lentiCRISPRv2-GOLGIN45-sgRNAs, lentiCRISPRv2-GRASP55-sgRNAs, lentiCRISPRv2-GOLGIN45/GRASP55-sgRNAs)
Lentivirus	No	pLVX-Puro-HA (pLVX-Puro-HA-GOLGIN45-L400R, pLVX-Puro-HA-GOLGIN45-NLS MT, pLVX-Puro-HA-GOLGIN45-WT)
Retroviral	No	pBABE-hygro
Lentivirus	No	plenti 4.1(GFP) and plenti 4.1-miR200b
Lentivirus	No	pCMV-VSV-G
Lentivirus	No	PQCXIX-LUC
Lentivirus	No	Cerulean/LeGo-Cer2 (mCAFs-Cerulean/LeGo-Cer2; mLFs-Cerulean/LeGo-Cer2; huCAFs-Cerulean/LeGo-Cer2; huLFs-Cerulean/LeGo-Cer2)
Lentivirus	No	pLKO.1 (Scramble shRNA)
Lentivirus	No	pLKO.1 (344SQ-pLKO.1-Rock1 shRNA; 344SQ-pLKO.1; 393P-Zeb1-pLKO.1-Rock1 shRNA; 393P-Zeb1-pLKO.1)
Lentivirus	No	pEF-Bsr
Lentivirus	No	pLKO.1 (Rock1 shRNA)
Lentivirus	No	pLVX-Puro (H1299-pLVX-Puro-vector; H1299-pLVX-Puro-miR148a; H1299-pLVX-Puro-miR206)
Lentivirus	No	pLV711G (344SQ-pLV711G)
Lentivirus	No	PQCXIX (344SQ-PQCXIX-LUC; KC2-PQCXIX-LUC; H1299-PQCXIX-LUC; H157-PQCXIX-LUC; A549-PQCXIX-LUC; H441-PQCXIX-LUC)
Retroviral	No	pBABE-puro
Lentivirus	No	pLKO.1 puro (pLKO.1-GFP-shRNA)
Lentivirus	No	pFIV (pFIV-H1-copGFP)
Lentivirus	No	pLKO.1 (344SQ-pLKO.1-shGFP; 344SQ-pLKO.1-shPAQR11#1; 344SQ-pLKO.1-shPAQR11#3)
Lentivirus	No	pLKO.1 (H1299-pLKO.1-shGFP; H1299-pLKO.1-shPAQR11#2; H1299-pLKO.1-shPAQR11#4)
Lentivirus	No	pLVX-Puro (344SQ-pLVX-Puro-vector; 344SQ-pLVX-Puro-miR148a; 344SQ-pLVX-Puro-miR206)
Lentivirus	No	pLKO.1 (531LN2-pLKO.1-shGFP; 531LN2-pLKO.1-shPAQR11#1; 531LN2-pLKO.1-shPAQR11#3)
Lentivirus	No	pLV711G (miR200)
Lentivirus	No	psPAX2
Lentivirus	No	pLVX-Puro (393P-pLVX-puro vector; 393P-pLVX-puro-PAQR11; H226-

Viral Systems

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

Cell Lines

Cell Line

Human lung fibroblast cells (CAFs and LFs)
mouse lung cancer cells (344SQ, 344P, 531LN1, 531LN2, 393P, 393LN, KC1, KC2, KC3, KC4)
mouse lung cancer cells (LKR13, 307P, 412P, K1, K2)
fibroblast cells (NIH3T3)
Mouse embryonic fibroblasts(MEF, H2, H3, G7, G8)

Cell Lines Administered to Animals in Vivo

No
Yes
No
No
No

Cell Lines

Mouse preosteoblast(MC3T3-E1 Subclone 4)	No
Chinese hamster ovary cells (CHO cell line)	No
epithelial cells (HEK293T)	No
Mouse lung fibroblast cells (CAFs and LFs)	Yes
mouse lung squamous cancer cell lines (Trp53-/-; Kmt2d-/- and Trp53-/-; Pten-/-)	Yes
Human lung cancer cells (H520, H596, CALU-1)	No
retrovirus packaging cell line (PT67)	No
Human lung cancer cells (A549, H1299, H441, H358, H1650, H460, H2122, H23, H1395, H3122)	Yes
Mouse cell line (RPMT;Cas9)	Yes
Human lung cancer cells (H157, H226, HCC95)	No

Microbial Agents

Name	Administered to Animals in Vivo
E.coli stb13	No
E.coli DH5 alpha	No
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

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

Investigator : Neeraj Saini

Document No. : [RM00008346-RN00_AM1](#)

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
PSB100	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pLVMG

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
AML cell lines	Yes
Multiple Myeloma cell lines	Yes
U87MG	Yes
BCX-010	Yes
SUD-HL-6	No
JEKO-1	No
NALM6	No
Primary T cells	Yes
293T	No

Microbial Agents

Name	Administered to Animals in Vivo
NEB 5-alpha competent E coli	No
Biosafety Level :	BSL2

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

Investigator : Pawel Mazur

Document No. : [RM00002017-RN01_AM19](#)

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
	No

Viral Systems

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

Cell Lines

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

Cell Lines

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

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	20	0	0	0
Investigator :	Henry Manning			
Document No. :	RM00008231-RN00_AM1			
NIH Guidelines Category :				

Agents :

Non Viral Systems

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

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pGIPZ
Lentivirus	No	pLKO

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
H460	No
HCT116	No
HT29	No
LIM2405	No
Caco2	No
SUN-C4	No
SW620	No
U-87	No
U251	No
Her G2	No
Her 3B2.1-7	No
HEK293T	No

Microbial Agents

Name	Administered to Animals in Vivo
E. Coli stain DH10	No
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

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

Investigator : Kathleen Marie McAndrews

Document No. : [RM00007830-RN00_AM3](#)

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pPalmitoyl-mTurquoise2	No
pPAmCherry1-C1	No
pCMV6-CD63-GFP	No
pcDNA3-CFP	No
mEmerald-CD81-10	No
mEmerald-CD9-10	No
pCMV6-AC-mGFP	No
pSpCas9(BB)-2A-Puro (PX459)	No
mCherry-CD81-10	No
mCherry-CD9-10	No

Non Viral Systems

pQC membrane Tdtomato IX	No
pGL4.50[luc2/CMV/Hygro]	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
Fibroblasts (mouse)	No
293F	No
293T	No
Prostate cancer (human)	No

Cell Lines

Kidney cancer (human)

No

Microbial Agents

Name

E.coli k-12

Administered to Animals in Vivo

No

Biosafety Level :

BSL2

Meeting Notes :

Personnel changes only.

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

Investigator :

Luhua Wang

Document No. :

[RM00005459-RN00_AM15](#)

NIH Guidelines Category :

Agents :

Viral Systems

Virus System

Virus Administered to Animals

Backbones

No

No

Cell Lines

Cell Line

Cell Lines Administered to Animals in Vivo

Yes

No

No

No

No

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	20	0	0	0

Investigator :

Edwin Justin Ostrin

Document No. :

[RM00006146-RN00_AM5](#)

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name

Is Whole Animal Used as Host

No

Non Viral Systems

	No
	No
	No
	No
	No

Viral Systems

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

Cell Lines

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

Biosafety Level :

BSL2

Meeting Notes :

Personnel changes only.

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

Investigator :

Andrea Viale

Document No. :

[RM00003630-RN01_AM5](#)

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pCMV-DTReAI-Red	No
H2B-mCherry	No
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

Lentivirus

Virus Administered to Animals

Yes

Backbones

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

Pancreatic

Cell Lines Administered to Animals in Vivo

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

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

Administered to Animals in Vivo

No

Biosafety Level :

BSL2

Meeting Notes :

Personnel changes only.

Disposition

Votes For

Votes Against

Votes Abstain

Votes-Recuse

Approved

20

0

0

0

Investigator :

Jesse Smith

Document No. :

[RM00008774-RN00_AM1](#)

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name

LentiCRISPRv2GFP

Is Whole Animal Used as Host

No

Non Viral Systems

LT3GEPIR	No
shSmad4	No
SREP	No
shNAT2	No
shLAX1	No

Viral Systems

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

Cell Lines

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

Microbial Agents

Name	Administered to Animals in Vivo
Stbl3 E. Coli (derived from HB101)	No
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

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

Investigator : Amir A Jazaeri
Document No. : [RM00008233-RN00_AM1](#)
NIH Guidelines Category :
Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
	No	

Biosafety Level : BSL2
Meeting Notes : Personnel changes only.

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

Investigator : Yejing Ge
Document No. : [RM00003492-RN01_AM4](#)
NIH Guidelines Category :
Agents :

Non Viral Systems

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

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	Yes	pGIPZ
Lentivirus	Yes	pLKO
lentivirus	Yes	pLenti CRISPR V2

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

NCI-H2170 lung cancer cells	Yes
SW620 Colon	Yes
KATO III gastric carcinoma	Yes
NCI-H1944 lung cancer cells	Yes
A431 cSCC squamous cells	Yes
293T kidney cells	No
ESCC KYSE520 esophageal squamous cell carcinoma	Yes
HTB-9 5637 urinary bladder	Yes
HNSCC SCC4 squamous cells	Yes
T84 Colorectal	Yes
MK Primary keratinocytes	Yes
PDAC Panc 02.03 pancreatic cancer cells	Yes
SCC15 HNSCC squamous cells	Yes
ESCC TE10 esophageal squamous cell carcinoma	Yes
SCC13 cSCC squamous cells	Yes
SCC9 HNSCC squamous cells	Yes
PDAC AsPC-1 pancreatic cancer 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	20	0	0	0

Investigator : Maura Gillison

Document No. : [TA00006359-RN00_AM3](#)

NIH Guidelines Category :

Agents :

Species	ACUF#	Genes Inserted	Genes Deleted
Mouse	00001856-RN01	RNU4ATAC, Dnmt1	RNU4ATAC
Mouse	00001815-RN01	FGFR3-TACC3 fusion	
Mouse	00001815-RN01	HPV16-E6/E7	

Biosafety Level :

Meeting Notes : Personnel changes only.

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

Investigator : Biruh Tosfu Workeneh

Document No. : [RM00006838-RN00_AM2](#)

NIH Guidelines Category :

Agents :

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

 No



Cell Lines

Cell Line

[REDACTED]

Biosafety Level :

Meeting Notes :

Cell Lines Administered to Animals in Vivo

No

BSL2

Personnel changes only.

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

Investigator :

Florencia McAllister

Document No. :

[RM00005057-RN01_AM1](#)

NIH Guidelines Category :

Agents :

Viral Systems

Virus System

pLenti-CMV-GluA2-luciferase-edited	No
pcDNA-CMV-GluA2-luciferase-editable	No
pcDNA-CMV-GluA2-luciferase-negative control	No
pLenti-CMV-GluA2-luciferase-negative control	No
pcDNA-CMV-GluA2-luciferase-edited	No
pLenti-CMV-GluA2-luciferase-edited	No

Virus Administered to Animals

Backbones

pLenti
pcDNA
pcDNA
pLenti
pcDNA
pLenti

Cell Lines

Cell Line

Pancreatic cancer cells

Human Embryonic Kidney cell line

Biosafety Level :

Meeting Notes :

Cell Lines Administered to Animals in Vivo

No

No

BSL2

Personnel changes only.

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

Investigator :

Edwin Justin Ostrin

Document No. :

[RM00006749-RN00_AM4](#)

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name

[REDACTED]
[REDACTED]
[REDACTED]

Is Whole Animal Used as Host

No

No

No

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

Cell Lines Administered to Animals in Vivo

No
No
No
No
No
No
No

Biosafety Level :

BSL2

Meeting Notes :

Personnel changes only.

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

Approved

20

0

0

0

Investigator :

Jianjun Gao

Document No. :

[TA00003205-RN01_AM2](#)

NIH Guidelines Category :

Agents :

Species**ACUF#****Genes Inserted****Genes Deleted**

Mouse

00001740-RN03

FGFR3

VHL, SetD2 and CDKN2A,
chromosome 9p21 (including MTAP,
CDKN2A, & CDKN2B genes)

Biosafety Level :

Meeting Notes :

Personnel changes only.

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

Approved

20

0

0

0

Investigator :

Jesse Smith

Document No. :

[RM00008774-RN00_AM2](#)

NIH Guidelines Category :

Agents :

Non Viral Systems**Technical Name**

LentiCRISPRv2GFP

LT3GEPIR

shSmad4

SREP

shNAT2

shLAX1

Is Whole Animal Used as Host

No
No
No
No
No
No
No

Viral Systems**Virus System**

Lentivirus

Virus Administered to Animals

No

Backbones

pLVX, pLKO

Cell Lines**Cell Line**

colon and rectal cancer

rectal cancer

Cell Lines Administered to Animals in Vivo

Yes
No

Microbial Agents

Name

Stbl3 E. Coli (derived from HB101)

Administered to Animals in Vivo

No

Biosafety Level :

BSL2

Meeting Notes :

Personnel changes only.

Disposition

Approved

Votes For

20

Votes Against

0

Votes Abstain

0

Votes-Recuse

0

Investigator :

Guocan Wang

Document No. :

[TA00002415-RN01_AM15](#)

NIH Guidelines Category :

Agents :

Species

Mouse

ACUF#

00001713-RN03

Genes Inserted

Pb-Cre4, LSL-Luc, LSL-ERG,
mTmG, EGFP, TMPRSS2-CreERT2,
TRAMP, Upk2-Cre

Genes Deleted

Pten, Smad4, Yap1, p53, Rb1, Taz,
Snf5,Kdm4a, Kdm4b,Kdm4c,
Kdm4d, Arid1a, Chd7, Acod1

Biosafety Level :

Meeting Notes :

Personnel changes only.

9. ANNUAL REVIEWS

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

Investigator :

Xi Chen

Document No. :

[RM00007378-RN00_AR002](#)

Investigator :

Gregory Friedman

Document No. :

[RM00007417-RN00_AR002](#)

Investigator :

Wendy Woodward

Document No. :

[RM00000672-RN02_AR004](#)

Investigator :

Paolo Strati

Document No. :

[RM00006783-RN00_AR003](#)

Investigator :

Vanessa B Jensen

Document No. :

[RM00006685-RN00_AR002](#)

Investigator :

Yinghong Wang

Document No. :

[RM00004598-RN01_AR001](#)

Investigator :

Swathi Arur

Document No. :

[TA00001153-RN02_AR001](#)

Investigator :

Marie-Claude Hofmann

Document No. :

[RM00008229-RN00_AR001](#)

Investigator :

Pablo C Okhuysen

Document No. :

[RM00000640-RN02_AR002](#)

Investigator :

Alexandre Reuben

Document No. :

[RM00006717-RN00_AR003](#)

Investigator :

Raghu Kalluri

Document No. :

[TA00000767-RN02_AR004](#)

Investigator : Ecaterina Ileana Dumbrava
Document No. : [RM00008274-RN00_AR001](#)

Investigator : Wen Jiang
Document No. : [RM00007573-RN00_AR002](#)

Investigator : Taiping Chen
Document No. : [TA00000709-RN02_AR004](#)

Investigator : Gheath Al-Atrash
Document No. : [RM00005967-RN00_AR004](#)

Investigator : Sharada Mokkaapati
Document No. : [RM00007345-RN00_AR002](#)

Investigator : Katy Rezvani
Document No. : [RM00002650-RN01_AR004](#)

Investigator : Funda Meric-Bernstam
Document No. : [RM00000311-RN02_AR004](#)

Investigator : Nicholas Short
Document No. : [RM00008167-RN00_AR001](#)

Investigator : Cara Haymaker
Document No. : [RM00008276-RN00_AR001](#)

Investigator : Chun Li
Document No. : [RM00005927-RN00_AR004](#)

Investigator : Nicholas Short
Document No. : [RM00008169-RN00_AR001](#)

Investigator : Sebastian Wurster
Document No. : [RM00008315-RN00_AR001](#)

Investigator : Jianjun Gao
Document No. : [TA00003205-RN01_AR003](#)

Investigator : Amir A Jazaeri
Document No. : [RM00008233-RN00_AR001](#)

Investigator : Yiwen Chen
Document No. : [RM00000894-RN02_AR001](#)

Investigator : Ecaterina Ileana Dumbrava
Document No. : [RM00006708-RN00_AR003](#)

Investigator : Rugang Zhang
Document No. : [RM00006732-RN00_AR003](#)

Investigator : Jonathan M Kurie
Document No. : [RM00000566-RN03_AR001](#)

Investigator : Jason Westin
Document No. : [RM00007456-RN00_AR002](#)

Investigator : Rugang Zhang

Document No. : [RM00006498-RN00_AR003](#)

Investigator : Katy Rezvani

Document No. : [RM00006738-RN00_AR003](#)

Investigator : Francisco Vega Vazquez

Document No. : [RM00003946-RN01_AR002](#)

Investigator : Swathi Arur

Document No. : [RM00005881-RN00_AR004](#)

Investigator : Gregory Friedman

Document No. : [RM00007394-RN00_AR002](#)

Investigator : Sairah Ahmed

Document No. : [RM00007550-RN00_AR002](#)

Investigator : Sairah Ahmed

Document No. : [RM00007554-RN00_AR002](#)

Investigator : Andrew Futreal

Document No. : [RM00007632-RN00_AR002](#)

Investigator : Xiling Shen

Document No. : [RM00007541-RN00_AR002](#)

Investigator : Hussein A Abbas

Document No. : [RM00007599-RN00_AR002](#)

Investigator : Joseph A Ludwig

Document No. : [RM00006755-RN00_AR003](#)

Investigator : Henry Manning

Document No. : [RM00008231-RN00_AR001](#)

Investigator : Ecaterina Ileana Dumbrava

Document No. : [RM00005799-RN00_AR004](#)

10. TERMINATIONS

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

Investigator : Claudio M Aldaz

Document No. : [RM00007274-RN00](#)

Investigator : Claudio M Aldaz

Document No. : [RM00006730-RN00](#)

Investigator : Claudio M Aldaz

Document No. : [RM00001210-RN02](#)

Investigator : Muzaffar H Qazilbash

Document No. : [RM00005861-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

There are no such business items for this meeting.

14. INFORMATIONAL ITEMS

Update

Community Member Attendance

Description

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

15. ADJOURNMENT