

INSTITUTIONAL BIOSAFETY COMMITTEE MINUTES
 Recombinant DNA(RM)
 Meeting #272
 Tuesday, January 13, 2026
 Hybrid - In Person Location FCT3 1 and 8 - 1:00 PM

Members Present

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

Members Absent

Xiang-Yang Han, Professor
 Guocan Wang, Associate Professor
 Krithika Srinivasan, Assistant Professor
 Humam N Kadara, Professor
 Vidya Gopalakrishnan, Associate Professor

Community Members Present

Others Present

Robert Plant, Safety Specialist
 Allyson Wakefield, Program Manager
 Madeline McAllister, Compliance Analyst
 Cheryl Smith, Safety Specialist
 Tekchheng Tam, Safety Specialist
 Joseph E Jacobs, Safety Specialist
 Brittany N Kleb, Assoc Dir, Institutional Compl
 Edith Plants Paris, Compliance Analyst
 David A Imperial, 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, December 9, 2025	20	0	3	0

2. CONFLICT OF INTEREST RECUSAL

Attendee	Project	Comment
Shilpa S. Dhar	RM00007811-RN00_AM5	Dr. Dhar is the PI of this non-administrative modification.

3. REPORT OF THE ADVERSE EVENTS

Chavaun H. LeBlanc, M.S.; Mgr, Environ Health & Safety, Fac Mgt EHS EPP Lab & OHS - Nothing to Report.

4. REPORT OF THE SAFETY COMMITTEE

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

5. REPORT OF RECOMBINANT DNA (RM) SUBCOMMITTEE

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

6. NEW PROTOCOLS

BSL 1: NEW PROTOCOLS

There are no new protocols to review for this meeting.

NEW TRANSGENIC ANIMAL PROTOCOLS:

There are no new protocols to review for this meeting.

BSL 2: NEW PROTOCOLS

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

Investigator : Neeraj Saini
 Document No. : RM00008602-RN00
 NIH Guidelines Category : III-D-4-a.
 Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pTRKH3-ermGFP	No
pcDNA3.1	No
COVID Spike mRNA mix	Yes

BSL 2- NEW PROTOCOLS**Viral Systems****Virus System**

Lentiviral
Lentiviral
Gammaretroviral
lentiviral

Virus Administered to Animals

No
No
No
No

Backbones

pREL
Packaging plasmids RD114, PcqPAM3
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

Cell Lines Administered to Animals in Vivo

No
No
No
Yes
Yes
Yes

Microbial Agents**Name**

E.coli (DH10B,DH5 alpha)

Administered to Animals in Vivo

No

Room Numbers**Room No.**

PPB1.641
2SCR4.3152
2SCR4.3155
2SCR4.3156
PPB1.645

Description

Animal Facilities
Tissue Culture Facility
Tissue Culture Facility
Tissue Culture Facility
Animal Facilities

Biosafety Level :

BSL2

Meeting Notes :

The investigators will test whether COVID mRNA vaccine potentiates cancer immunotherapy. They will inject lymphoma tumor cells in animals, which will then be treated with CAR-T cells, cyclophosphamide, and COVID mRNA vaccine. ACUF is current.

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

Approved With Contingencies

23

0

0

0

Investigator :

Seyed Javad Mirhassani Moghaddam

Document No. :

[RM00004922-RN01](#)

NIH Guidelines Category :

III-D-4-b.

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

Room Numbers**Room No.**

S1.8207
Z9.4029
S1.8432
S1.8211

Description

Animal Quarters Service
Tissue Culture Facility
Animal Facilities
Animal Facilities

Biosafety Level :

BSL2

Meeting Notes :

In the proposed study, the investigators will study the mechanism responsible for promotion of lung cancer by airway inflammation to find the most promising targets for prevention and treatment of lung cancer. Multiple cohorts of genetically engineered mouse model of lung cancer will be subjected to COPD condition using exposure to a combination of cigarette smoke (CS) and a dead lysate influenza virus. Genes and mechanisms of tumor promotion by inflammation will then be tested in these animals, either genetically by lentivirus vector delivery, by crossing to specific KO mouse, or pharmacologically. IACUC protocol is current.

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

Approved With Contingencies

23

0

0

0

Investigator :

Shiao-Pei Weathers

Document No. :

[RM00004887-RN01](#)

NIH Guidelines Category :

III-C-1.

Agents :

Non Viral Systems**Technical Name**

TGFBR2 guide RNA
NR3C1 guide RNA

Is Whole Animal Used as Host

No
No

Cell Lines**Cell Line**

NK cells

Cell Lines Administered to Animals in Vivo

No

Room Numbers**Room No.**

P14.2910
R2.2346
R10.1878B
ACB8.2046
B1.4409B
Z5.2042

Description

Diagnostic Service Laboratory
Pharmacy
Pharmacy
Chemo IV Prep Room (Pharmacy)
Pharmacy
Research/Non-Class Laboratory- Wet Lab

Biosafety Level :

BSL2

Meeting Notes :

This clinical protocol aims to determine the safety and tolerability of intraventricular injection of escalating doses of allogeneic engineered NK cells in patients with recurrent grade 4 astrocytoma. The engineered NK

BSL 2: NEW PROTOCOLS

cells will be manufactured at MD Anderson GMP facility, using non-viral reagent, NR3C1 and TGFBR2 guided RNA (gRNA), to knock the corresponding genes in NK cells. IRB protocol is current.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	23	0	0	0
Investigator :			Michael A Davies	
Document No. :			RM00008586-RN00	
NIH Guidelines Category :			NA	
Agents :				
Cell Lines				
Cell Line			Cell Lines Administered to Animals in Vivo	
Braf V600E/Pten-null murine melanoma cell line (referred to as "BP")			Yes	
Microbial Agents				
Name			Administered to Animals in Vivo	
Fecal Microbiota Transplantation using human fecal specimens			Yes	
Room Numbers				
Room No.			Description	
SB.8236			Animal Facilities	
Biosafety Level :			BSL2	
Meeting Notes :			This protocol plans to treat mice implanted with melanoma cancer cell lines with fecal microbiota transplantation and antibodies, subject the animals to stress and dietary manipulation of fiber, fats and sugars. Their effects of treatment on melanoma model tumor will be evaluated afterwards. ACUF is current, and the registration includes an IRB protocol to collect specimens from humans.	

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	23	0	0	0
Investigator :			Dai Chihara	
Document No. :			RM00008605-RN00	
NIH Guidelines Category :			III-C-1.	
Agents :				
Viral Systems				
Virus System		Virus Administered to Animals		Backbones
Lentivirus		No		Anti-CD19 CAR vector used (SIN) and replication-incompetent lentiviral vector (LVV) derived from human immunodeficiency virus type 1 (HIV-1) and pseudotyped with the glycoprotein G of the vesicular stomatitis virus (VSV-G)
Cell Lines				
Cell Line			Cell Lines Administered to Animals in Vivo	
Autologous T-Cells			No	
Room Numbers				
Room No.			Description	
R8.2400			Public Corridor	
P14.2910			Diagnostic Service Laboratory	
P14.3140			Diagnostic Support Laboratory Service	
Biosafety Level :			BSL2	
Meeting Notes :			This clinical protocol aims to determine the safety and efficacy of liso-cel, a CAR-T cell therapy, in the treatment of B-cell lymphoma, and to determine biomarkers of response and mechanisms of resistance to the agent. Liso-cel is FDA approved to treat refractory B-cell lymphoma, and this trial expands its usage to target MRD. Consent form still pending IRB approval.	

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	23	0	0	0
Investigator :			Jae-II Park	
Document No. :			RM00001309-RN02	
NIH Guidelines Category :			III-D-4-b.	
Agents :				
Viral Systems				
Virus System		Virus Administered to Animals		Backbones
adenovirus		Yes		pAd/CMV/DEST
lentivirus		Yes		pLenti
Cell Lines				
Cell Line			Cell Lines Administered to Animals in Vivo	
HEK293 -human embryonic kidney 293 cells			No	
Room Numbers				
Room No.			Description	
S1.8440			Animal Facilities	
S1.8432			Animal Facilities	
Z6.2037C			Tissue Culture Facility	
Biosafety Level :			BSL2	
Meeting Notes :			The investigators will study the roles of Tert+ cells and progenitor cells in mouse lung tissue regeneration and tumorigenesis, with the goals of determining if such cells are functional cancer stem cells and the genes critical for their functioning. Methods include double-labeling, lineage-tracing, cell ablation, and cell isolation for subsequent analyses. Viral vectors will be administered to animals in vivo through inhalation. ACUF protocol is current.	

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	23	0	0	0
Investigator :			Rodabe N Amaria	
Document No. :			RM00008580-RN00	
NIH Guidelines Category :			III-C-1.	
Agents :				

BSL 2: NEW PROTOCOLS**Viral Systems****Virus System**

HSV1

Virus Administered to Animals

No

Backbones

HSV1

Room Numbers**Room No.**

R9.2194

P2.3082A

B1.4409B

B1.4392

Biosafety Level :

Meeting Notes :

Description

Examination

IV Prep Room (Pharmacy)

Pharmacy

Multi person office

BSL2

This protocol describes a randomized, controlled, multicenter Phase 3 study evaluating vusolimogene oderparepvec plus nivolumab in patients with advanced, previously progressed melanoma. VO is a selectively replication competent HSV 1 engineered to express human GM CSF and the GALV GP R-fusogenic protein. It is administered by intratumoral injection into eligible non neurological solid tumors. The agent will be manufacture at the sponsor's facility outside of MD Anderson.

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

Investigator :

Argun Akcakanat

Document No. :

RM00001523-RN02

NIH Guidelines Category :

III-D-3-a.

Agents :

Non Viral Systems**Technical Name**

pIRESneo/FLAG-tagged wild-type mTOR

pCMV6-Entry-TROP2

pIRESneo/FLAG-tagged rapamycin-resistant (S2035T) mutant mTOR

pcDNA3/AU1-tagged rapamycin-resistant (S2035I) mutant mTOR

pcDNA3/AU1-tagged wild-type mTOR

pIRESneo/FLAG-tagged rapamycin-resistant kinase-dead (S2035T/D2357E) double mutant mTOR

pIRESneo

pcDNA3/AU1-tagged rapamycin-resistant kinase dead (D2338A) mutant mTOR

pcDNA3

Is Whole Animal Used as Host

No

No

No

No

No

No

No

No

No

Viral Systems**Virus System**

Retrovirus

Lentivirus

Virus Administered to Animals

No

No

Adenovirus

Lentivirus

No

No

Backbones

pGFP-V-RS

pLKO.1-puro, TRC1-pLKO.1-puro, TRC1.5-pLKO.1-puro, TRC2-pLKO.1-puro, pHAGE puro, psPAX2, pMD2.G, VSV.G

pShuttle

pCW57.1, pLenti-C-mGFP-P2A, pHAGE

Cell Lines**Cell Line**

Breast cancer (BT-474, BT-549, HCC-1143, HCC-1937, HCC-1954, MCF7, MDA-MB-157, MDA-MB-436, MDA-MB-468, MFM-223, SUM159)

Colon cancer (RKO)

Melanoma (A-431, CHL-1, WM-793, WM-1552, 451Lu)

Breast cancer (BCX.010CL, BCX.011CL)

Leukemia (KCL-22)

Lung cancer (NCI-H69)

Multiple myeloma (U87MG)

Uterus cancer (AN3-CA)

Mammary gland (MCF-10A)

Neuroblastoma (SK-N-AS)

Cholangiocyte (MMNK-1)

Human embryonic kidney (HEK293T)

Cell Lines Administered to Animals in Vivo

No

Microbial Agents**Name**

E. coli DH5alpha

Administered to Animals in Vivo

No

Room Numbers**Room No.**

Z12.4021C

Z12.4019

Biosafety Level :

Meeting Notes :

Description

Tissue Culture Facility

Tissue Culture Facility

BSL2

The investigators aim to determine the functions of mutated mTOR. The experimental plan includes standard protocols involving 27 cell lines and plasmids associated with mTOR. Lentiviruses, adenoviruses and retroviruses will be used for stable transfection. Animal work is not part of this protocol, and human specimens will be collected under an approved IRB registration. IRB continuing review memos needs to be uploaded to the registration.

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

Investigator :

Oren Pasvolksy

Document No. :

RM00008558-RN00

NIH Guidelines Category :

III-C-1.

Agents :

Viral Systems**Virus System**

██████████

Virus Administered to Animals

No

Backbones

██████████

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

BSL 2: NEW PROTOCOLS**Cell Lines**

[REDACTED]

No

Room Numbers**Room No.**

P14.2910

G15.3433

R8.2400

P14.3140

Biosafety Level :

Meeting Notes :

Description

Diagnostic Service Laboratory

Patient Bedroom

Public Corridor

Diagnostic Support Laboratory Service

BSL2

This clinical protocol aims to determine the efficacy of the [REDACTED] in treating multiple myeloma patients, in comparison to standard therapies for this disease. [REDACTED] will be manufactured outside MD Anderson. IRB protocol is pending approval.

BSL 3: NEW PROTOCOLS

There are no new protocols to review for this meeting.

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

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	22	0	1	0

Investigator :

Shilpa S. Dhar

Document No. :

RM00007811-RN00_AM5

NIH Guidelines Category :

III-D-1-a.

Agents :

Non Viral Systems**Technical Name**

plasmid 5XUAS-luciferase plasmid

pAC1445-pmax-dCas9

• pAC1446_pmax-Clover_PUFa

pAC1373-pX-sgRNA-25xPBBSa

Is Whole Animal Used as Host

No

No

No

No

Viral Systems**Virus System**

Lentivirus

Gal-3 lentivirus plasmid

plasmid pCMV-dR8.2 dvpr

Lentivirus plasmid pMD2.G

plasmid Lentivirus pCMV-VSV-G

Plasmid Lentivirus psPAX2

SOX4 lentiviral plasmid

Lentivirus

Lentivirus

Lentivirus

Lentivirus

Lentivirus

SOX9 lentivirus plasmid

Virus Administered to Animals

No

Backbones

pLV

Lentivirus Tet-on system

N/A

pMD2.G

NA

psPAX2

Lentivirus Tet-on system

pInducer21

pLentiCrispr.V2

CRISPR/Cas9

pTripZ

pGIPZ

Lentivirus Tet-on system

Cell Lines**Cell Line**

NCI-N87 (ATCC human Gastric Adenocarcinoma cell line)

SNU5 (ATCC human Gastric Adenocarcinoma cell line)

YCC6 (ATCC human Gastric Adenocarcinoma cell line)

MNK74 (ATCC human Gastric Adenocarcinoma cell line)

MNK45 (ATCC human Gastric Adenocarcinoma cell line)

293T (ATCC human embryonic kidney cell line)

esophageal adenocarcinoma cell line

SK-GT-5 (human Gastric Adenocarcinoma cell line)

ascites cell line (stomach cancer ascite cells)

GAC mouse cell line

AGS (ATCC human Gastric Adenocarcinoma cell line)

KPLuc2 mouse GAC

Gastric organoids

Cell Lines Administered to Animals in Vivo

Yes

Yes

Yes

Yes

Yes

No

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Microbial Agents**Name**

E.coli (DH5a)

Biosafety Level :

Meeting Notes :

Administered to Animals in Vivo

No

BSL2

Amendment added lentiviral vectors, non-viral vectors, and cell lines to protocol.

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

Investigator :

Ronald A DePinho

Document No. :

TA00000781-RN02_AM8

NIH Guidelines Category :

III-F-8.

Agents :

Species**ACUF#**

Mouse 00001170-RN03, 00002678-RN00

Genes Inserted

Halo-Sox2; Rosa26 FLPeR, Ptf1a-CreER; p48 Cre; CDX2-CreERT2; CAG-Cre; Syn1-Cre; Rluc-hTERT; R26-CAGGS; pA/R26-CreERT2; pA/3xTg; Nestin-CreERT2; Camk2a-CreERT2; pA/5xFAD; Mdx; P2A-3XFLAG; 3XFLAG; Syn1-CreERT2; 3xTg; 5xFAD; Villin-CreERT2; OT-I; OT-II; pdx1-cre; Luc Flox; Itgam DTR Tg; Itgam DTR Tg; AFHmter; TetO-Braf; Tg (TeraTcrb) Rag 1; GFAP tta; Rosa26-LSL-rtTA-GFP; Rosa-rtTA. Rosa-LSL-Luc; Rosa LSL-LacZ; Rosa LSL YFP; Rosa-CreERT2. , Zbtb16f/f, PD1 Flox, BRAFF-V600E/+,

Genes Deleted

Vg4 KO, Terd KO; PAPSS2 Flox; Msh2 Flox; CDX2 Flox; ATAD1 KO; CCL2/CCL7 DKO; BIRC6 KO. , Sin3a Flox; Sin3b Flox; Ink4a/ARF null; Pten Flox; p53 Flox; Smad4 Flox. , HDAC2 Flox; Chd1 tm1a Flox; Chd1 tm1c Flox; Yap1 Flox; PtenERT2; CD8 KO; CD4 KO. , BRAF V-600E; CDX2 flox; Lag3 KO; LSL-TERT-ER; mTert KO; mTerc KO; IRS1 Flox; IRS2 Flox; EGFRviii Flox; P16 KO; BAF180 Flox; p19 KO; Kras KO; Apc Flox.

Biosafety Level :

BSL2

Meeting Notes :

Added a second IACUC protocol to the registration.

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

Investigator :

Rick Avery Finch

Document No. :

RM00006199-RN00_AM1

NIH Guidelines Category :

III-D-4-b.

Agents :

Viral Systems

Virus System

fUSE5 (M13 derived bacteriophage) peptide library

Virus Administered to Animals

Yes

Backbones

filamentous bacteriophage

Microbial Agents

Name

E. coli MC1061

Administered to Animals in Vivo

No

Biosafety Level :

BSL2

Meeting Notes :

Personnel and IACUC protocol number were updated.

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

Investigator :

Christopher J Logothetis

Document No. :

RM00007111-RN00_AM7

NIH Guidelines Category :

III-D-1-a.

Agents :

Non Viral Systems

Technical Name

pCRISPRa-Enhancer

Is Whole Animal Used as Host

No

pCas-Guide

No

pCas-Guide-GFP-CRISPRa

No

pCas-Guide-Puro-CRISPRa-Scramble

No

pCMV6-AC-GFP

No

pCMV6-Entry Vector

No

Viral Systems

Virus System

Lentivirus

Virus Administered to Animals

No

Backbones

psPAX2

Lentivirus

No

pMD2.G

Lentivirus

No

pGIPZ

Lentivirus

No

pRRL

Lentivirus

No

pLKO-1.PURO

Cell Lines

Cell Line

Prostate Patient Derived Xenografts

Cell Lines Administered to Animals in Vivo

Yes

Prostate Cancer Cell Lines

Yes

Embryonic Kidney Cell Line (Lenti X 293)

No

Biosafety Level :

BSL2

Meeting Notes :

Minor edits to experimental plan to correct typos and clarify the source of materials.

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

Investigator :

Katy Rezvani

Document No. :

RM00002650-RN01_AM11

NIH Guidelines Category :

III-D-1-a.

Agents :

Non Viral Systems

Technical Name

[REDACTED]

Is Whole Animal Used as Host

No

[REDACTED]

No

Viral Systems

Lentivirus	No	pLV-EF1a-IRES-Puro, pMD2.G, psPAX2
Retrovirus	No	pRP, pMSCV, pMSGV1, RetroVec, SinVec

Cell Lines**Cell Line**

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

Microbial Agents**Name**

E. coli DH5a	Administered to Animals in Vivo	No
Biosafety Level :	BSL2	
Meeting Notes :	The amendment adds new retroviral backbones and HEK293 derived cell lines for viral packaging.	

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

Investigator :

Sara Zanivan

Document No. :[RM00008452-RN00_AM1](#)**NIH Guidelines Category :**

III-D-3-a.

Agents :**Non Viral Systems****Technical Name**

pCMV6-AC-GFP, pX458, pMD2.G

Is Whole Animal Used as Host

No

Viral Systems**Virus System**

Virus System	Virus Administered to Animals
Lentivirus	No
Lentivirus	No

BackbonespLKO.1
pLV, Lenti-guide-blast, pLCV2,pSUPER-Retro-Puro**Cell Lines****Cell Line**

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

Microbial Agents**Name**

E coli DH5alpha	Administered to Animals in Vivo	No
Biosafety Level :	BSL2	
Meeting Notes :	Amendments adds a lentiviral plasmid to the registration.	

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

Investigator :

Ronald A DePinho

Document No. :[RM00000627-RN02_AM16](#)**NIH Guidelines Category :**

III-D-1-a.

Agents :**Non Viral Systems****Technical Name**

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

Viral Systems**Virus System**

Virus System	Virus Administered to Animals
Lentivirus	No
Lentivirus	No
Retro	No
Lentivirus/ shRNA	No
Lentivirus/packaging virus	No

BackbonespLenti, pTomo, pCCL-cppt-PGK-WPRE
pLV-CMV51-Halo-ARAF, R747-M61-663, pLenti, CRISPR/ Cas9,
pLentiCRISPRv2, SMARTvector
pBabe, pWZL, pMSCV
pLX304-V5, pHAGE-EF1a, pLKO, pLKO.1, pRDA_174, pRDA_550,
pLenti6.3,pLenti4,pLKO.3G,pHAGE, pLVX
pRSV-Rev, pMD2.G, pMD-VSVG; pAX2**Cell Lines****Cell Line**

Cell Line	Cell Lines Administered to Animals in Vivo
Prostate cell lines derived from metastatic sites (DU145, LNCAP, PC3, PC3M, VCAP)	Yes
Colon cancer cell lines (iAP, iKAP)	Yes
Pancreatic cancer cell lines (iKPC, KPC)	Yes
Human endothelial cell lines	No
Embryonal kidney cell lines (293T, 293FT)	No
Colon cancer cell lines (HT-29, SW-480)	Yes
Prostate cancer cell lines (DX1, PPS, MSKPCa1, MSKPCa2, MSKPCa7)	Yes
Mouse Embryonic Stem Cells	No

Cell Lines

[REDACTED] Yes

Microbial Agents

Name Administered to Animals in Vivo

[REDACTED] Yes

[REDACTED] No

Biosafety Level : BSL2

Meeting Notes : Added [REDACTED] for administration to animals in vivo.

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

Investigator : Junjie Chen

Document No. : RM00000599-RN02_AM10

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

Agents :

Non Viral Systems

Technical Name Is Whole Animal Used as Host

plenti No

plenti-6.2 No

pRDA550 No

BPK1520 No

pDONER No

pENTER223 No

pDONOR201 No

plenti-V2 No

pLKO5 No

pMAL No

pDONR201 No

pENTER221 No

pBluescript No

pENTR221 No

pDonR221 No

HsCD00438007-WAPAL No

HsCD00938170-RHNO1 No

pZATT No

pcDNA68 No

pCRIS No

pcDNA3, pCDNA3.1 No

Trans SNIP B7H3 BBz (8/8) with 4B-5A site No

Cas9 No

pDEST, pDEST15, pDEST20 No

pEGFP-C1 No

pCDNA No

pDonR223 No

pLVX No

pBABE No

TKOV3 No

DEST No

pSPAX2 No

pDONOR-201 No

503TK3 No

pET No

pMD2G No

504TK3 No

506TK3 No

PX458 No

pTRIP No

TV3 No

DEST795 No

507TK3 No

pcDNA6B No

pLenti6.3 No

PMK232 No

pBR322 No

Activation library-A_92379 No

701TK3 No

pTRIPZ No

pENTER No

pLX209 No

702TK3 No

pDONOR223 No

PX459 No

pLEX305 No

703TK3 No

pFastbac1 No

PX330 No

SFB-KIAA0157 No

704TK3 No

PMK290 No

705TK3 No

Non Viral Systems

pLX	No
pcDNA5	No
pRetro	No
pCMV, pCMV5	No
CRISPRv2	No
BACMID	No
pDONR	No
pUC19	No
pDONOR221	No
706TK3	No
pCDH	No
pLV	No
dTAGV-1, dTAGV-1-NEG	No
pCGP	No
707TK3	No
pOG44	No
708TK3	No
pU6	No
PPAX2	No
pInducer20	No
501TK3	No
OuterFTK3	No
pANT7	No
OuterRTK3	No
502TK3	No
pRDA174	No
pENTR223	No
p2/2	No
BWG pool	No
Activation library-B_92380	No
p201	No
pDEST633	No
pENTR	No
DEST795	No
pDONOR	No
pAdF6	No
pAAV	No
pOTB7	No
pCL	No
pCap6	No
VSVG	No
DDR	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pTRIP
Lentivirus	No	pInducer20
Lentivirus	No	pLenti6.2, pLenti6.3, pLentiV2
Lentivirus	No	pLenti
Lentivirus	No	mTKO
Lentivirus	No	MespKO
Lentivirus	No	loxIICD
Lentivirus	No	loxDDR
Lentivirus	No	mPIM
Lentivirus	No	mDDR
Lentivirus	No	iCas9
Lentivirus	No	In4mer
Lentivirus	No	pLentiCRISPR
Lentivirus	No	hDDR
Lentivirus	No	pLX301, pLX302, pLX303, pLX304
Lentivirus	No	TKOv3
Lentivirus	No	plex_307
Lentivirus	No	pHAGE-TRE
Lentivirus	No	pGreenFire1
Lentivirus	No	lentiCRISPRv2
Lentivirus	No	pGIPZ
Lentivirus	No	Cas9
Lentivirus	No	pRDA_550
Lentivirus	No	pCDH
Lentivirus	No	mIICD
Lentivirus	No	pCL
Lentivirus	No	pLVX
Lentivirus	No	pLEX307
Lentivirus	No	pLKO5
Lentivirus	No	pLX
Lentivirus	No	pRDA174
Lentivirus	No	3X FLAG-TOP2A, 3X FLAG-TOP2B
Lentivirus	No	pRetro
Lentivirus	No	AAVS1
Lentivirus	No	psPAX2
Lentivirus	No	pBABE

Viral Systems

Lentivirus	No	pTRIPZ
Lentivirus	No	pLV

Cell Lines**Cell Line**

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

Microbial Agents**Name**

E.coli Dh5 Alpha

Biosafety Level :

Meeting Notes :

Administered to Animals in Vivo

No

BSL2

The amendment makes extensive changes to the list of viral and non-viral vectors, with few being added and large number being removed as they consolidated the list for clarity.

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

Investigator :

Rugang Zhang

Document No. :

[RM00006480-RN00_AM7](#)

NIH Guidelines Category :

III-D-4-b.

Agents :

Non Viral Systems**Technical Name**

pPGK-transposase

pKT2-NRasV12-DsRed2-miR-30-shRNA-Luciferase

Is Whole Animal Used as Host

Yes

Yes

Viral Systems**Virus System**

Lentivirus

Virus Administered to Animals

No

Lentivirus

No

Lentivirus

No

Lentivirus

No

Lentivirus

No

Lentivirus

No

AAV8

Yes

Backbones

pMD2.G

pLVX-CMV

psPAX2

pLKO.1

pLenti6.3/V5-DEST

LentiCRISPR-v2

AAV8-TBG-CRE/U6-sgRNA

Cell Lines**Cell Line**

IMR90, BJ-fibroblast

Cell Lines Administered to Animals in Vivo

Yes

Pheonix-epithelial cells

No

High Grade Serous Ovarian Cancer (OVCAR3, OVSAHO, PE01, PE04, OVCAR10)

Yes

Microbial Agents**Name**

E. coli DH5a

Administered to Animals in Vivo

No

Biosafety Level :

BSL2

Meeting Notes :

The amendment adds an adenovirus backbone to be used in animals in vivo and includes new experimental details on the use of sleeping beauty system in animals.

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

Investigator :

Eduardo Vilar Sanchez

Document No. :

[RM00000187-RN02_AM8](#)

NIH Guidelines Category :

III-D-4-b.

Agents :

Non Viral Systems**Technical Name**

pPGK-transposase

Is Whole Animal Used as Host

No

No

Non Viral Systems

[Redacted]

No
No
No
No
No

Viral Systems

Virus System

[Redacted]

Virus Administered to Animals

Yes
No

Backbones

[Redacted]

Cell Lines

Cell Line

[Redacted]

Cell Lines Administered to Animals in Vivo

No
No
Yes
Yes
Yes

Biosafety Level :

BSL2

Meeting Notes :

[Redacted] were added to the protocol. The information on viral and non-viral vectors was updated, along with changes to IACUC protocols.

Disposition

Votes For

Votes Against

Votes Abstain

Votes-Recuse

Approved

23

0

0

0

Investigator :

Robert Dantzer

Document No. :

[RM00004261-RN01_AM2](#)

NIH Guidelines Category :

III-D-4-b.

Agents :

Viral Systems

Virus System

adeno associated virus (AAV-FLEX)
adeno associated virus

Virus Administered to Animals

Yes
Yes

Backbones

AAV-FLEX
pAAV

Cell Lines

Cell Line

mouse lung metastatic head and neck cancer - MLM
Murine head and neck cancer cells (ROC1-3, MOC 2-7)
mouse head and neck cancer - shPPT1B
mouse lung cancer - LLC
mouse ovarian cancer - ID8
mouse head and neck cancer - mEER
Melanoma cell line - YUMMER1.7-H2B-GFP5
Melanoma cell line - YUMMER1.G1F
mouse ovarian cancer - IG10
Murine anaplastic thyroid cell lines

Cell Lines Administered to Animals in Vivo

Yes
Yes

Biosafety Level :

BSL2

Meeting Notes :

The amendment updates the IACUC protocol and grant funding. Work requiring IRB registration was removed.

Disposition

Votes For

Votes Against

Votes Abstain

Votes-Recuse

Approved With Contingencies

23

0

0

0

Investigator :

Cassian Yee

Document No. :

[RM00000378-RN02_AM9](#)

NIH Guidelines Category :

III-D-1-a.

Agents :

Non Viral Systems

Technical Name

[Redacted]

Is Whole Animal Used as Host

No

Viral Systems

Virus System

[Redacted]

Virus Administered to Animals

No
No
No
No
No

Backbones

[Redacted]

Cell Lines

Cell Line

[Redacted]

Cell Lines Administered to Animals in Vivo

Yes
No
Yes
No
No
No
Yes

Biosafety Level :

BSL2

Meeting Notes :

Added new IACUC protocol and updated the source of cells used in animals in vivo.

Disposition

Votes For

Votes Against

Votes Abstain

Votes-Recuse

Approved With Contingencies

23

0

0

0

Investigator :

Eric Jonasch

Document No. :

[RM00000505-RN02_AM5](#)

NIH Guidelines Category :

III-D-1-a.

Agents :

NIH Guidelines Category :

III-D-1-a.

Agents :

Viral Systems

Virus System

Lentivirus

lentivirus

Virus Administered to Animals

No

No

Backbones

pHage

vsvg and 8.74delta (packaging system)

Cell Lines

Cell Line

myeloma cell lines (H929, JIN3, L363, KMS-11)

mouse hematopoietic stem cells

kidney cell line, 293T

cells from patients with myelodysplastic syndrome

Cell Lines Administered to Animals in Vivo

Yes

Yes

No

Yes

Microbial Agents

Name

E coli

Administered to Animals in Vivo

No

Biosafety Level :

BSL2

Meeting Notes :

Updated IACUC protocol number due to renewal.

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

Investigator :

Tina Cascone

Document No. :

RM00003599-RN01_AM5

NIH Guidelines Category :

III-D-4-b.

Agents :

Non Viral Systems

Technical Name

[REDACTED]

Is Whole Animal Used as Host

No

No

Viral Systems

Virus System

[REDACTED]

Virus Administered to Animals

No

No

[REDACTED]

No

Yes

Backbones

[REDACTED]

Cell Lines

Cell Line

[REDACTED]

Cell Lines Administered to Animals in Vivo

No

Yes

No

Yes

Yes

No

Yes

Microbial Agents

Name

[REDACTED]

Administered to Animals in Vivo

No

Biosafety Level :

BSL2

Meeting Notes :

Human [REDACTED] cell lines were removed from the study; [REDACTED] will be administered to animals in vivo.

8. ADMINISTRATIVE MODIFICATIONS

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

Investigator :

Christopher J Logothetis

Document No. :

RM00007111-RN00_AM8

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name

pCMV6-AC-GFP

pCMV6-Entry Vector

pCRISPRa-Enhancer

pCas-Guide

pCas-Guide-GFP-CRISPRa

pCas-Guide-Puro-CRISPRa-Scramble

Is Whole Animal Used as Host

No

No

No

No

No

No

Viral Systems

Virus System

Lentivirus

Virus Administered to Animals

No

Backbones

pGIPZ

Viral Systems

Lentivirus No pRRL
Lentivirus No pLKO-1.PURO
Lentivirus No psPAX2
Lentivirus No pMD2.G

Cell Lines

Cell Line **Cell Lines Administered to Animals in Vivo**
Prostate Patient Derived Xenografts Yes
Prostate Cancer Cell Lines Yes
Embryonic Kidney Cell Line (Lenti X 293) No
Biosafety Level : BSL2
Meeting Notes : Personnel changes only.

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

Investigator : Sattva S Neelapu
Document No. : RM0000070-RN02_AM3
NIH Guidelines Category :
Agents :

Non Viral Systems

Technical Name **Is Whole Animal Used as Host**
[Redacted] No

Viral Systems

Virus System **Virus Administered to Animals** **Backbones**
[Redacted] No [Redacted]
[Redacted] No [Redacted]
[Redacted] No [Redacted]
[Redacted] No [Redacted]

Cell Lines

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

Microbial Agents

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

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

Investigator : Hussein Tawbi
Document No. : RM00006702-RN00_AM1
NIH Guidelines Category :
Agents :

Non Viral Systems

Technical Name **Is Whole Animal Used as Host**
SM-102; 1,2 dimyristoyl-sn-glycerol, methoxypolyethyleneglycol (PEG2000-DMG); 1,2 distearoyl-sn-glycero-3-phosphocholine (DSPC); and cholesterol No

Cell Lines

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

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

Investigator : Christopher J Logothetis
Document No. : RM00007111-RN00_AM9
NIH Guidelines Category :
Agents :

Non Viral Systems

Technical Name **Is Whole Animal Used as Host**
pCMV6-AC-GFP No
pCMV6-Entry Vector No
pCRISPRa-Enhancer No
pCas-Guide No
pCas-Guide-GFP-CRISPRa No
pCas-Guide-Puro-CRISPRa-Scramble No

Viral Systems

Virus System **Virus Administered to Animals** **Backbones**
Lentivirus No pGIPZ
Lentivirus No pRRL
Lentivirus No pLKO-1.PURO

Non Viral Systems

pBABE	No
TKOV3	No
DEST	No
pSPAX2	No
pDONOR-201	No
pET	No
pMD2G	No
pBluescript	No
pENTR221	No
pDonR221	No
HsCD00438007-WAPAL	No
HsCD00938170-RHNO1	No
pZATT	No
pcDNA68	No
pCRIS	No
pcDNA3, pCDNA3.1	No
Trans SNIP B7H3 BBz (8/8) with 4B-5A site	No
Cas9	No
pDEST, pDEST15, pDEST20	No
pEGFP-C1	No
pCDNA	No
pDonR223	No
pTRIP	No
pLenti6.3	No
PMK232	No
pBR322	No
pDONER	No
pDONR201	No
Activation library--A_92379	No
pTRIPZ	No
DEST795	No
pcDNA6B	No
pLX209	No
SFB-KIAA0157	No
dTAGV-1, dTAGV-1-NEG	No
503TK3	No
504TK3	No
506TK3	No
PX458	No
TV3	No
507TK3	No
701TK3	No
702TK3	No
PX459	No
703TK3	No
704TK3	No
705TK3	No
pDONR	No
706TK3	No
pENTER	No
707TK3	No
708TK3	No
PPAX2	No
501TK3	No
OuterFTK3	No
OuterRTK3	No
502TK3	No
p2/2	No
BWG pool	No
p201	No
pAdF6	No
pAAV	No
pCap6	No
pDONOR223	No
pLEX305	No
DDR	No
pFastbac1	No
PX330	No

Viral Systems**Virus System**

Lentivirus
Lentivirus

Virus Administered to Animals

No
No

Backbones

pLEX307
pInducer20
pLenti6.2, pLenti6.3, pLentiV2
pLenti
mTKO
MespKO
loxICD
loxDDR
mPIM
mDDR

Viral Systems

Lentivirus	No	iCas9
Lentivirus	No	In4mer
Lentivirus	No	pLentiCRISPR
Lentivirus	No	hDDR
Lentivirus	No	pLX301, pLX302, pLX303, pLX304
Lentivirus	No	TKOv3
Lentivirus	No	plex_307
Lentivirus	No	pHAGE-TRE
Lentivirus	No	pGreenFire1
Lentivirus	No	lentiCRISPRv2
Lentivirus	No	pGIPZ
Lentivirus	No	Cas9
Lentivirus	No	pRDA_550
Lentivirus	No	pCDH
Lentivirus	No	mICD
Lentivirus	No	AAVS1
Lentivirus	No	pTRIP
Lentivirus	No	pCL
Lentivirus	No	pLVX
Lentivirus	No	pLKO5
Lentivirus	No	pLX
Lentivirus	No	pRDA174
Lentivirus	No	pRetro
Lentivirus	No	psPAX2
Lentivirus	No	pBABE
Lentivirus	No	pTRIPZ
Lentivirus	No	pLV
Lentivirus	No	3X FLAG-TOP2A, 3X FLAG-TOP2B

Cell Lines

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

Microbial Agents

Name	Administered to Animals in Vivo
E.coli Dh5 Alpha	No
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

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

Investigator : Michael Andreeff
 Document No. : [RM00002986-RN01_AM2](#)
 NIH Guidelines Category :

Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus (pLT)	No	pLT
Lentivirus	No	pTRIPZ
Lentivirus (pcelsin)	No	pcelsin
Lentivirus (pLKO)	No	pLKO

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Mouse primary cells	Yes
PDX AML cells	Yes

Cell Lines

primary mouse bone marrow cells
HEK293T Human kidney

Yes
No

Biosafety Level :

BSL2

Meeting Notes :

Personnel changes only.

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

Investigator :

Robert Dantzer

Document No. :

RM00004261-RN01_AM3

NIH Guidelines Category :

Agents :

Viral Systems**Virus System**

adeno associated virus (AAV-FLEX)
adeno associated virus

Virus Administered to Animals

Yes
Yes

Backbones

AAV-FLEX
pAAV

Cell Lines**Cell Line**

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

Cell Lines Administered to Animals in Vivo

Yes
Yes

Biosafety Level :

BSL2

Meeting Notes :

Personnel changes only.

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

Investigator :

Sarah Kezar

Document No. :

RM00006297-RN00_AM9

NIH Guidelines Category :

Agents :

Cell Lines**Cell Line**

Plasma in Acid Citrate Dextrose (ACD) or citrate phosphate dextrose adenine 1 (CPDA-1) anticoagulant

Cell Lines Administered to Animals in Vivo

Yes

Microbial Agents**Name**

Human Immunodeficiency Virus-1 (HIV-1) CH077 backbone "077_RMT"
Human Immunodeficiency Virus-1 (HIV-1) CH077 backbone "077_RMTE"
Human Immunodeficiency Virus-1 (HIV-1) CH077 backbone "077_RM"
Human immunodeficiency virus-1 NL4-3 backbone
Human Immunodeficiency Virus-1 (HIV-1) CH077 backbone "077_R"
Human Immunodeficiency Virus-1 (HIV-1) CH077 backbone "077_RTE"

Administered to Animals in Vivo

Yes
Yes
Yes
Yes
Yes
Yes

Biosafety Level :

BSL2

Meeting Notes :

Personnel changes only.

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

Investigator :

Luigi Perelli

Document No. :

RM00008252-RN00_AM7

NIH Guidelines Category :

Agents :

Non Viral Systems**Technical Name**

pCDNA

Is Whole Animal Used as Host

No

Viral Systems**Virus System**

Lentivirus
Lentivirus
Adeno-associated virus

Virus Administered to Animals

No
No
Yes

Backbones

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

Cell Lines**Cell Line**

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

Cell Lines Administered to Animals in Vivo

Yes
Yes
Yes
Yes
Yes
Yes
No
No
No

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	23	0	0	0

Investigator : Cassian Yee
 Document No. : RM00000378-RN02_AM10

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name

[Redacted]

Is Whole Animal Used as Host

No

Viral Systems

Virus System

[Redacted]

Virus Administered to Animals

No
No
No
No
No

Backbones

[Redacted]

Cell Lines

Cell Line

[Redacted]

Cell Lines Administered to Animals in Vivo

Yes
Yes
No
Yes
No
No
No

Biosafety Level :

BSL2

Meeting Notes :

Personnel changes only.

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

Investigator : Jo Ishizawa
 Document No. : RM00002261-RN01_AM8

NIH Guidelines Category :

Agents :

Viral Systems

Virus System

lentivirus
lentivirus

Virus Administered to Animals

No
No

Backbones

pCDH
pLV
pINDUCER21
lenti CRISPR pXPR_001
psPAX2
pMD2.G
lentiCRISPRv2, psPAX2, pMD2G
lentiCas9-Blast, psPAX2, pMD2G
lentiGuide-Puro
pCD510
TRIPZ
pCD550A1
pGIPZ
pLKO

Cell Lines

Cell Line

mesenchymal stem cells
leukemia
leukemia
kidney (HEK293T)
lymphoma

Cell Lines Administered to Animals in Vivo

No
Yes
No
No
No

Microbial Agents

Name

E.coli Stbl3

Administered to Animals in Vivo

No

Biosafety Level :

BSL2

Meeting Notes :

Personnel changes only.

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

Investigator : Jean Gautier
 Document No. : RM00008256-RN00_AM5

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name

• pAc-GFP-C1
• FNpCDNA3
• pCAGGS
• Actin chromobody-TagGFP

Is Whole Animal Used as Host

No
No
No
No

Viral Systems

Virus System

Virus Administered to Animals

Backbones

Viral Systems

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

Cell Lines

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

Microbial Agents

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

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

Investigator : John Victor Heymach
Document No. : [RM00000523-RN02_AM23](#)
NIH Guidelines Category :
Agents :

Non Viral Systems

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

Viral Systems

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

Cell Lines

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

Microbial Agents**Name**

[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	23	0	0	0
Investigator :			Aria Vaishnavi	
Document No. :			RM00006133-RN00_AM24	
NIH Guidelines Category :				
Agents :				
Non Viral Systems				
Technical Name			Is Whole Animal Used as Host	
pX333			No	
Viral Systems				
Virus System		Virus Administered to Animals		Backbones
Retrovirus		No		EV-pBABE, HA-MEK1-pBABE, EGFR-pBABE, HA-EGFR-pBABE, HA-EGFRC797S-pBABE, HER2-pBABE, HER2C805S-pBABE, EGFR-HA-KM-pBABE, pBABE-PURO-ARAF, pBABE-PURO-CRAF
Lentivirus		No		pLV-TRE andp LV-TRE-HA: BRAF, BRAF-V600E, L597Q, D594A, D594V, G464V, G466A, G466E, G466R, G466V, G469A, G469E, G469S, G469V, K601E, K601Q, L597Q, L597V, G464E
Lentivirus		No		pCW57.1-G4-HA-BRAF-EV or V600E-3x-Flag-shBRAF-resistant_PuroR and pCW57.1_G4-BRAF-WT-3X-Flag-PuroR: BRAF, L597Q, D594A, D594V, G464V, G466A, G466E, G466R, G466V, G469A, G469E, G469S, G469V, K601E, K601Q, L597Q, L597V, G464E, and truncEGFR-3X-Flag
Lentivirus		No		pCW57.1_PuroR and pCW57.1_PuroR-HA: BRAF, BRAF-V600E, L597Q, D594A, D594V, G464V, G466A, G466E, G466R, G466V, G469A, G469E, G469S, G469V, K601E, K601Q, L597Q, L597V, G464E, KRAS, KRASS17N
Lentivirus		No		pCW57.1_G4-BRAF-WT-3X-Flag-PuroR and pCW57.1_G4-BRAF-WT-3X-Flag-PuroR: BRAF, BRAF-V600E, L597Q, D594A, D594V, G464V, G466A, G466E, G466R, G466V, G469A, G469E, G469S, G469V, K601E, K601Q, L597Q, L597V, G464E
Lentivirus		No		pCW57.1-G4-HA-BRAF-EV or V600E-3x-Flag-shBRAF-resistant_PuroR and pCW57.1_G4-BRAF-WT-3X-Flag-PuroR: BRAF, L597Q, D594A, D594V, G464V, G466A, G466E, G466R, G466V, G469A, G469E, G469S, G469V, K601E, K601Q, L597Q, L597V, G464E
Lentivirus		No		pCF806_shABC2-puro or -blast
Lentivirus		Yes		UPEL_pcgRNA: EV, BRAF-G466E, G466R, G466V, G469A, G49V, G469I, DNMT1, KRASG12D
lentivirus		No		CAG-PCDH, CAG-Rbms3-PCDH, TOP-GFP, pCAG-CRE-GFP-PCDH,
Lentivirus		No		tet-shEGFR1-3, tet-shHER21-3, tet-shRenilla, tet-shEGFR1-2, tet-shHBEGF 1-3, tet-shCRAF 1-3
Lentivirus		Yes		sgNT-CRE, sgLKBI-CRE, sgBIM-CAS9, sgRbms31-5, sgP53-CRE, sgLKBI-CRE, sgEGFR1-5-CRE, Lentis-D2G-28pool/CRE
Lentivirus		No		pLV[Exp]-CMV>rtS/rtTA/Hygro, pLV[Exp]-Bsd-TRE>HA/HA/HA/{hKRAS(S17N)}
Adenovirus		Yes		pAAV-mBraf-G469V
Lentivirus		No		pCW57.1-TRE-CMV-minP-EGFP-PGK-BSD-T2A-Tet-Off; +/- shERBB, shHER2, shHER4
Lentivirus		No		pCW57.1-TRE-CMV-minP-EGFP-PGK-BSD-T2A-Tet-Off; +/- shARAF; shBRAF; shCRAF; TPL2; shREN
Retrovirus		No		pMMLV-hHER2/3xFLAG-hPGK>Bsd., pMMLV-3xFLAG/hHER2(C805S)-hPGK>Bsd, pMMLV-3xFLAG/hHER2_hPGK>Bsd
Retrovirus		No		FLAG-BRAF
Adenovirus		Yes		AdenoCAS9, ADENOEM14-ALK, Ad5.CMV-CRE, Ad5.SPC-CRE
Lentivirus and Retrovirus		No		pCMV-VSVG
Lentivirus		No		pCMV-Delta 8.9
Lentivirus		No		pTR-UEms
Lentivirus		No		pMCL-HA-MAPKK1-11A55B [S218E/S222D], pMCL-HA-MAPKK1-WT,
Lentivirus		No		pLenti-CRISPRv2
Lentivirus		No		PRK5RS-HERCD533
Lentivirus		No		pHAGE and pHAGE-HA: BRAF, BRAF-V600E, L597Q, D594A, D594V, G464V, G466A, G466E, G466R, G466V, G469A, G469E, G469S, G469V, K601E, K601Q, L597Q, L597V, G464E
Retrovirus		No		FLAG-CRAF-S338A, FLAG-CRAF-R401H, FLAG-BRAF-V600E
Lentivirus		No		pSPAX
Lentivirus		No		ACTIN-SOX2-PGK-CRE, PCDNA3-Myc-IQGAPI, LRP6-pC62
Lentivirus		No		CAG-PCDH
Lentivirus		No		pLV[Exp]-Bsd-TRE>HA/HA/HA/hKRAS, pLV[Exp]-Puro-CMV>EGFP(ns):T2A:Cre, pLV[Exp]-Puro-CMV>mEgfr(ns):T2A:Cre, pLV[Exp]-Puro-CMV>HA/mEgfr:Cre, pLV-EGFP:T2A:Puro-CMV>mEgfr:IRES:Luc2, pLV-EGFP:T2A:Puro-CMV>mEgfr, pLV-Puro-CMV>mEgfr
Lentivirus		No		pFUGW-Pol2-flLuc2-eGFP
Cell Lines				
Cell Line			Cell Lines Administered to Animals in Vivo	
Lung Cancer			Yes	
Subcutaneous connective tissue; Adipose; Areolar			No	

Cell Lines

Fibroblast	No
Lung Cells	Yes
Lung Cells	Yes
Colorectal Cancer	No
Kidney cells 293T Phoenix Ampho	No
Lung Cancer	Yes
Kidney Cells 293T	No
Pancreatic Cancer	No

Microbial Agents

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

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved	23	0	0	0
Investigator :	Aria Vaishnavi			
Document No. :	RM00006133-RN00_AM25			
NIH Guidelines Category :				
Agents :				
Non Viral Systems				
Technical Name	Is Whole Animal Used as Host			
pX333	No			
Viral Systems				
Virus System	Virus Administered to Animals	Backbones		
Retrovirus	No	EV-pBABE, HA-MEK1-pBABE, EGFR-pBABE, HA-EGFR-pBABE, HA-EGFRC797S-pBABE, HER2-pBABE, HER2C805S-pBABE, EGFR-HA-KM-pBABE, pBABE-PURO-ARAF, pBABE-PURO-CRAF		
Lentivirus	No	pLV-TRE andp LV-TRE-HA: BRAF, BRAF-V600E, L597Q, D594A, D594V, G464V, G466A, G466E, G466R, G466V, G469A, G469E, G469S, G469V, K601E, K601Q, L597Q, L597V, G464E		
Lentivirus	No	pCW57.1-G4-HA-BRAF-EV or V600E-3x-Flag-shBRAF-resistant_PuroR and pCW57.1_G4-BRAF-WT-3X-Flag-PuroR: BRAF, L597Q, D594A, D594V, G464V, G466A, G466E, G466R, G466V, G469A, G469E, G469S, G469V, K601E, K601Q, L597Q, L597V, G464E, and truncEGFR-3X-Flag		
Lentivirus	No	pCW57.1_PuroR and pCW57.1_PuroR-HA: BRAF, BRAF-V600E, L597Q, D594A, D594V, G464V, G466A, G466E, G466R, G466V, G469A, G469E, G469S, G469V, K601E, K601Q, L597Q, L597V, G464E, KRAS, KRASS17N		
Lentivirus	No	pCW57.1_G4-BRAF-WT-3X-Flag-PuroR and pCW57.1_G4-BRAF-WT-3X-Flag-PuroR: BRAF, BRAF-V600E, L597Q, D594A, D594V, G464V, G466A, G466E, G466R, G466V, G469A, G469E, G469S, G469V, K601E, K601Q, L597Q, L597V, G464E		
Lentivirus	No	pCW57.1-G4-HA-BRAF-EV or V600E-3x-Flag-shBRAF-resistant_PuroR and pCW57.1_G4-BRAF-WT-3X-Flag-PuroR: BRAF, L597Q, D594A, D594V, G464V, G466A, G466E, G466R, G466V, G469A, G469E, G469S, G469V, K601E, K601Q, L597Q, L597V, G464E		
Lentivirus	No	pCF806_shABC2-puro or -blast		
Lentivirus	Yes	UPEC_pegRNA: EV, BRAF-G466E, G466R, G466V, G469A, G49V, G469I, DNMT1, KRASG12D		
lentivirus	No	CAG-PCDH, CAG-Rbms3-PCDH, TOP-GFP, pCAG-CRE-GFP-PCDH,		
Lentivirus	No	tet-shEGFR1-3, tet-shHER21-3, tet-shRenilla, tet-shEGFR1-2, tet-shHBEGF 1-3, tet-shCRAF 1-3		
Lentivirus	Yes	sgNT-CRE, sgLKB1-CRE, sgBIM-CAS9, sgRbms31-5, sgP53-CRE, sgLKB1-CRE, sgEGFR1-5-CRE, Lentis-D2G-28pool/CRE		
Lentivirus	No	pLV[Exp]-CMV>(TS/rtTA/Hygro, pLV[Exp]-Bsd-TRE>HA/HA/HA/{hKRAS(S17N)}		
Adenovirus	Yes	pAAV-mBraf-G469V		
Lentivirus	No	pCW57.1-TRE-CMV-minP-EGFP-PGK-BSD-T2A-Tet-Off; +/- shERBB, shHER2, shHER4		
Lentivirus	No	pCW57.1-TRE-CMV-minP-EGFP-PGK-BSD-T2A-Tet-Off; +/- shARAF; shBRAF; shCRAF; TPL2; shREN		
Retrovirus	No	pMMLV-hHER2/3xFLAG-hPGK>Bsd., pMMLV-3xFLAG/hHER2(C805S)-hPGK>Bsd, pMMLV-3xFLAG/hHER2_hPGK>Bsd		
Retrovirus	No	FLAG-BRAF		
Adenovirus	Yes	AdenoCAS9, ADENOEM14-ALK, Ad5.CMV-CRE, Ad5.SPC-CRE		
Lentivirus and Retrovirus	No	pCMV-VSVG		
Lentivirus	No	pCMV-Delta 8.9		
Lentivirus	No	pTR-UEmS		
Lentivirus	No	pMCL-HA-MAPKK1-11A55B [S218E/S222D], pMCL-HA-MAPKK1-WT,		
Lentivirus	No	pLenti-CRISPRv2		
Lentivirus	No	PRK5RS-HERCD533		
Lentivirus	No	pHAGE and pHAGE-HA: BRAF, BRAF-V600E, L597Q, D594A, D594V, G464V, G466A, G466E, G466R, G466V, G469A, G469E, G469S, G469V, K601E, K601Q, L597Q, L597V, G464E		
Retrovirus	No	FLAG-CRAF-S338A, FLAG-CRAF-R401H, FLAG-BRAF-V600E		
Lentivirus	No	pSPAX		
Lentivirus	No	ACTIN-SOX2-PGK-CRE, PCDNA3-Myc-IQGAP1, LRP6-pC62		
Lentivirus	No	CAG-PCDH		

Non Viral Systems

pCDNA3	No
pCMV6	No
pRL Renilla Luciferase Reporter Vectors	No
pSpCas9 BB-2A-Puro	No
pUC Ori vector (PX330)	No
pCMV	No
pENTR223	No
pUC Ori vector (PX334)	No
modified pBluescript	No

Viral Systems

Virus System	Virus Administered to Animals
Lentivirus	No
Lentivirus	No
Lentivirus	No
Lentivirus/ shRNA	No
Retrovirus	No
Lentivirus	No
Lentivirus	No
LentiArt™ Virus Packaging Kit (CART-027CL)	No
Lentivirus/packaging virus	No
Lentivirus	No

Backbones

pLOC
 CRISPRa, Edit-R CRISPRa Lentiviral dCas9-VPR
 pLenti, CRISPR/ Cas9
 pLKO.1, pLenti6.3,pLenti4,pLKO.3G,Tet-pLKO, pLVX, EZ-tet-pLKO(hygro)
 pBabe, pWZL, pMSCV; pBabe, pQCXIN, pRKO, pEYK, pRRL
 pHage-EF1a-V5-IRES-EGFP; pHage
 pCDH-C-miniTurbo
 pHelp1, pHelp2, pHelp3
 pRSV-Rev, pMD2.G, pMD-VSVG; pAX2
 pCDCAR1 B7-H3h
 pCDCAR1 CD276 h
 pLentiCRISPR v2
 pCDH-N-miniTurbo

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Breast cancer cells (e.g., MCF7, MDA-MB-231, MDA-MB-468, BT549, T47D)	No
Murine breast cancer cell lines (e.g., 4T1)	No
Murine Prostate cancer cell lines	Yes
Prostate cancer cell lines	Yes
Mammary gland ductal carcinoma (e.g., BT459, BT474)	No
Prostate cell lines derived from metastatic sites (e.g., DU145, LNCAP, PC3, PC3M, VCAP)	Yes
293T cell (helper cell line for viral vector system package)	No
Human peripheral blood mononuclear cells	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E. coli K12	No
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

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

Investigator : Timothy P Heffernan
 Document No. : RM00004137-RN01_AM3

NIH Guidelines Category :

Agents :

Non Viral Systems

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

Viral Systems

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

Backbones

[REDACTED]
 [REDACTED]

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
[REDACTED]	[REDACTED]

Cell Lines

[Redacted]

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

Microbial Agents

Name
[Redacted]

Administered to Animals in Vivo
Yes

Biosafety Level :
Meeting Notes :

BSL2
Personnel changes only.

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

Investigator :

Andrew Shepherd
RM00003471-RN01_AM14

Document No. :

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name

GSK3βS9A
peGFP-C1
peDNA3.1
pmCherry

Is Whole Animal Used as Host
No
No
No
No

Viral Systems

Virus System

Adeno-associated virus serotype 2
Adenovirus Ad5F35-CMV-GFP
Adenovirus Ad5-CMV-eGFP
Lentivirus
Adeno-associated virus serotype 9

Virus Administered to Animals

No
Yes
Yes
No
Yes

Backbones

AAV2-FLEX-DTR-GFP
Ad5F35-CMV-GFP
Ad5-CMV-eGFP
pLV-CE
pAAV9

Cell Lines

Cell Line

Human skin biopsy
Colorectal organoid
Induced pluripotent stem cell derived sensory neurons
Mouse Macrophage
Mouse Colon Cancer - CT26
Human Monocyte/Macrophage - U937
Human Monocyte/Macrophage - THP1
Human Prostate Cancer - 22Rv1
Human Sensory Neuron
Mouse Colon Cancer - MC38
Mouse Prostate Cancer B6CaP
Human Embryonic Kidney - HEK293
Mouse Macrophage - RAW 264.7

Cell Lines Administered to Animals in Vivo

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

Microbial Agents

Name

E.coli XL-1 Blue

Administered to Animals in Vivo

No

Biosafety Level :

BSL2

Meeting Notes :

Personnel changes only.

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

Investigator : Xiao Ni
Document No. : RM00007175-RN00_AM3
NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name Is Whole Animal Used as Host
pcDNA3.1+ No
pAGN No
pBS, bluescript No

Viral Systems

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

Cell Lines

Cell Line Cell Lines Administered to Animals in Vivo
Cutaneous T-cell lymphoma cell lines Yes
Cutaneous T-cell lymphoma No
Serum No
HEK293T Embryonic Kidney cells No

Microbial Agents

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

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

Investigator : Emily Keung
Document No. : RM00006821-RN00_AM13
NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name Is Whole Animal Used as Host
pLKO-RFP-shCntrl No

Viral Systems

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

Cell Lines

Cell Line Cell Lines Administered to Animals in Vivo
Sarcoma Yes
Sarcoma Yes
HEK293 Yes
SKBP Yes
CCNE1 Yes
MCA205 Yes
Buffy coat No
Macrophages No
Lymphocytes (T cells, B cells, NK cells) No
Sarcoma Yes
Dendritic cells No
Biosafety Level : BSL2
Meeting Notes : Personnel changes only.

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

Investigator : John Victor Heymach
Document No. : RM00000523-RN02_AM22
NIH Guidelines Category :

Agents :

Non Viral Systems

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

Viral Systems

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

Cell Lines

HUVEC (human umbilical vein endothelial cell)	No
HEK293 (human embryonic kidney)	No
HAEC (human arterial endothelial cell)	No
HUAEC (human umbilical artery endothelial cell)	No
TeloHAEC (human aortic endothelial cell)	No
NIH3T3 (mouse embryo fibroblast)	No
bEND.3 (brain endothelialpolyoma)	No
HUVEC (human umbilical vein endothelial cell)	No
Mouse Bone marrow derived Macrophages (BMDM's)	Yes
THP-1 (peripheral blood monocyte)	No
RAW264.7 (TIB-71) (macrophage; Abelson murine leukemia virus transformed)	No

Microbial Agents

Name	Administered to Animals in Vivo
E. coli Top10	No
E. coli XL10Gold	No
E. coli DH5alpha	No
E. coli BL21	No
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

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

Investigator : Michael Spiotto
Document No. : RM00004440-RN01_AM2
NIH Guidelines Category :
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
SB100x	No
T2/Onc	No
pCAG-LSL-mouseBRD4-NUT1-IRES-LucOS	No
PGK-Cre	No
pCAG-LSL-E6E7-IRES-LucOS	No
pCAG-LSL-humanBRD4-NUT1-IRES-LucOS	No
pCAG-LSL-E6E7-IRES-Luc	No
pcDNA4-TO-pax9	No
pLenti CMV GFP Puro (658-5)	No
pLV-mCherry	No
FUGW ECFP	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Retrovirus	No	MSCV-E6, MSCV-E6F47R, MSCV-E7, MSCV-E7delta21-24, MSCV-E7E26G
Retrovirus	No	MSCV-E6, MSCV-E6F47R, MSCV-E7, MSCV-E7delta21-24, MSCV-E7E26G
Adenovirus	Yes	Human Adenovirus Type5 (dE1/E3) , pAd5PL-DEST-rCGRPCre, G0166 pAd5CMVCreMT1pA, pAd5PL-DEST-mCC10Cre, pAd5PL-DEST-mSPCCre
Lentivirus	No	p156RRL-sinPPT-CMV-GFP-PRE/Nhe I, pLenti-MP2, FUGW
Lentivirus	Yes	pLL3

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Murine melanoma cell lines	Yes
Human keratinocytes	No
Head and neck cell lines	No
Murine fibrosarcoma cell lines	Yes
Phoenix-Ampho	No
Murine lung cancer cell lines	No
Murine oral tumor lines	Yes
Human embryonic kidney cell lines	No
Cervical cancer cell lines	No
murine leukemia cell lines	Yes
Human prostate cancer cell line	No
Human prostate normal cell line	No
Human lung cancer cell lines	No
293T	No
Human liver cancer cell lines	No
Human pancreatic cancer cell lines	No
Murine prostate cancer cell line	Yes
Murine pancreatic cancer cell lines	No

Microbial Agents

Name	Administered to Animals in Vivo
E. coli: DH5-alpha, Stbl3	No
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

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

Investigator : Francois Villinger
Document No. : RM00008241-RN00_AM3

NIH Guidelines Category :

Agents :

Viral Systems

Virus System

p1nv-SIVsc/VSV-G

Virus Administered to Animals

Yes

Backbones

SIV under p1nv promoter (Nef deleted)

Microbial Agents

Name

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

CH505, SHIV-RT

SIV

Biosafety Level :

Meeting Notes :

Administered to Animals in Vivo

Yes

Yes

BSL2

Personnel changes only.

9. ANNUAL REVIEWS

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

Investigator : Stephanie S Watowich
Document No. : RM0000334-RN02_AR002

Investigator : Anthony Paul Conley
Document No. : RM00005744-RN00_AR004

Investigator : Maura Gillison
Document No. : TA00006359-RN00_AR003

Investigator : Xiao Ni
Document No. : RM00007175-RN00_AR002

Investigator : Christopher J Logothetis
Document No. : RM00007111-RN00_AR002

Investigator : Adel K El-Naggar
Document No. : RM00006224-RN00_AR003

Investigator : Steven Millward
Document No. : RM00002340-RN01_AR004

Investigator : Angela Ting
Document No. : RM00006346-RN00_AR003

Investigator : Johannes Francois Fahrmann
Document No. : RM00007858-RN00_AR001

Investigator : Joseph McCarty
Document No. : RM00006278-RN00_AR003

Investigator : Vidya Gopalakrishnan
Document No. : TA00000866-RN02_AR001

Investigator : Rugang Zhang
Document No. : RM00007118-RN00_AR002

Investigator : David G Menter
Document No. : RM00000264-RN02_AR003

Investigator : Guocan Wang
Document No. : TA00002415-RN01_AR004

Investigator : Jeffrey J Mollrem
Document No. : RM00007942-RN00_AR001

Investigator : Raghu Kalluri
Document No. : TA00002328-RN01_AR004

Investigator : Stephanie S Watowich
Document No. : RM00002256-RN01_AR004

Investigator : Rick Avery Finch
Document No. : RM00006199-RN00_AR003

Investigator : Eduardo Vilar Sanchez
Document No. : RM00000187-RN02_AR004

Investigator : Eugenie S Kleinerman
Document No. : RM00005656-RN00_AR004

Investigator : Jeffrey N Myers
Document No. : RM00005756-RN00_AR004

Investigator : David Piwnica-Worms
Document No. : TA00002966-RN01_AR003

Investigator : Chandra Bartholomeusz
Document No. : RM00006324-RN00_AR003

Investigator : Ju-Seog Lee
Document No. : RM00006283-RN00_AR003

Investigator : Marian Kalocsay
Document No. : RM00006200-RN00_AR003

Investigator : Simone Krebs
Document No. : RM00007946-RN00_AR001

Investigator : Jeffrey N Myers
Document No. : RM00000384-RN02_AR004

Investigator : Kelly K Hunt

Document No. :	RM0000290-RN02_AR001
Investigator :	Amir A Jazaeri
Document No. :	RM00006109-RN00_AR003
Investigator :	Dejka Marida Araujo
Document No. :	RM00003152-RN01_AR002
Investigator :	Kevin McBride
Document No. :	RM00007686-RN00_AR001
Investigator :	Eugenie S Kleinerman
Document No. :	RM00000223-RN02_AR002
Investigator :	Anil K Sood
Document No. :	RM00000313-RN02_AR002
Investigator :	Huamin Wang
Document No. :	TA00000745-RN02_AR003
Investigator :	Sangeeta Goswami
Document No. :	RM00006326-RN00_AR003
Investigator :	Anthony Paul Conley
Document No. :	RM00006901-RN00_AR002
Investigator :	Han Liang
Document No. :	RM00003573-RN01_AR002
Investigator :	Jonathan M Kurie
Document No. :	RM00000369-RN02_AR003
Investigator :	Rafet Basar
Document No. :	RM00007176-RN00_AR002
Investigator :	Cassian Yee
Document No. :	RM00002832-RN01_AR003
Investigator :	Daoyan Wei
Document No. :	RM00002985-RN01_AR003
Investigator :	David G Menter
Document No. :	RM00003191-RN01_AR002
Investigator :	Shih-Han Lee
Document No. :	RM00005622-RN00_AR004
Investigator :	Susan Bullman
Document No. :	RM00007970-RN00_AR001
Investigator :	Michael Green
Document No. :	RM00004755-RN00_AR004
Investigator :	Sarina Anne Piha-Paul
Document No. :	RM00007022-RN00_AR002
Investigator :	Keila Enitt Torres
Document No. :	RM00000098-RN02_AR003
Investigator :	Sarina Anne Piha-Paul
Document No. :	RM00007040-RN00_AR002
Investigator :	Pappanaicken R Kumar
Document No. :	RM00003485-RN01_AR002
Investigator :	Joseph McCarty
Document No. :	TA00006277-RN00_AR003
Investigator :	Manisha Singh
Document No. :	RM00003257-RN01_AR002
Investigator :	Gregory Friedman
Document No. :	RM00007265-RN00_AR002
Investigator :	Samer Srour
Document No. :	RM00007147-RN00_AR002
Investigator :	Qing Ma
Document No. :	RM00002971-RN01_AR003
Investigator :	Joya Chandra
Document No. :	RM00000400-RN02_AR004
Investigator :	Jianjun Zhang
Document No. :	RM00008008-RN00_AR001
Investigator :	Samuel Mok
Document No. :	RM00000117-RN02_AR002
Investigator :	Niki M. Zacharias Millward
Document No. :	RM00005694-RN00_AR004
Investigator :	Yang Chen
Document No. :	RM00006160-RN00_AR003
Investigator :	Tina Cascone
Document No. :	RM00003599-RN01_AR002
Investigator :	Humam N Kadara
Document No. :	TA00005539-RN00_AR004

Investigator : Michael Curran
Document No. : RM00000634-RN02_AR003

Investigator : Pawel Mazur
Document No. : TA00002050-RN01_AR004

Investigator : Michael Curran
Document No. : TA00005581-RN00_AR004

Investigator : Kelly K Hunt
Document No. : RM00000379-RN02_AR002

Investigator : Rick Avery Finch
Document No. : RM00004481-RN01_AR001

Investigator : Rodabe N Amaria
Document No. : RM00008026-RN00_AR001

Investigator : Richard R Behringer
Document No. : RM00000079-RN02_AR001

Investigator : Jae-II Park
Document No. : RM00008001-RN00_AR001

Investigator : Edwin Justin Ostrin
Document No. : RM00002063-RN01_AR004

Investigator : Simon Eschweiler
Document No. : RM00007117-RN00_AR002

Investigator : Steven Millward
Document No. : RM00005697-RN00_AR004

Investigator : Boyi Gan
Document No. : RM00000185-RN02_AR004

10. TERMINATIONS

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

Investigator : Margarida Albuquerque Almeida Santos
Document No. : RM00000893-RN02

Investigator : Rodabe N Amaria
Document No. : RM00005742-RN00

Investigator : Sharon R Dent
Document No. : TA00000743-RN02

Investigator : Giulio Draetta
Document No. : TA00000754-RN02

Investigator : Giulio Draetta
Document No. : RM00000419-RN02

Investigator : Rick Avery Finch
Document No. : RM00004481-RN01

Investigator : Christopher Flowers
Document No. : RM00005875-RN00

Investigator : Christopher Flowers
Document No. : RM00005873-RN00

Investigator : Naveen Pemmaraju
Document No. : RM00006411-RN00

Investigator : Andrew Shepherd
Document No. : RM00005735-RN00

11. OLD BUSINESS ITEMS

Item	Description	Presenter	Attachments
Region 4 (SBA region) Listening Session for Modernizing and Strengthening Oversight of Biosafety	On January 29, 2026, from 12:00 – 1:15 PM ET (11:00 – 12:15 PM CT), NIH and the Southern Biosafety Association (SBA) will be co-hosting a virtual listening session to continue to advance efforts to modernize and strengthen biosafety oversight.	Chavaun H. LeBlanc, M.S.; Mgr, Environ Health & Safety, Fac Mgt EHS EPP Lab & OHS	Region 4 Listening Session Flyer

12. NEW BUSINESS ITEMS

There are no such business items for this meeting.

13. DISCUSSION ITEMS

There are no such business items for this meeting.

14. INFORMATIONAL ITEMS

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

15. ADJOURNMENT