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

INSTITUTIONAL BIOSAFETY COMMITTEE MINUTES
Recombinant DNA(RM)
Meeting #268
Tuesday, September 9, 2025
Hybrid - In Person Location FCT3 1 and 8 - 1:00 PM

Members Present
Bisrat Godefay Debeb, Associate Professor
Kwong K Wong, Professor
Izabela Fokt, Assistant Professor
Marcos Roberto Estecio, Professor
Tora D Ogunmakin, Assoc Dir, Ambulatory Nursing
Xiang-Yang Han, Professor
Shilpa S. Dhar, Assistant Professor
Dina H Ray, Research Nurse Manager
Zahid H Siddik, Professor
Erica J Moore, Assistant Professor
Chavaun H LeBlanc, Mgr, Environ Health & Safety
Niki M. Zacharias Millward, Associate Professor
Hai T Tran, Associate Professor
Guocan Wang, Associate Professor
Linette M Leadon, Dir, EHS Sustain & Emerg Mgmt
Shulin Li, Professor
Jody Swain, Associate Professor
Yang Lu, Supv, Laboratory & Research
Taiping Chen, Professor
Vidya Gopalakrishnan, Associate Professor

Members Absent
Hesham Amin, Professor
Guang Peng, Professor
Rajneesh Pathania, Assistant Professor
Krithika Srinivasan, Assistant Professor
Humam N Kadara, Professor

Community Members Present

Others Present
Allyson Wakefield, Program Manager
Madeline McAllister, Compliance Analyst
Cheryl Smith, 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

Others Absent

1. APPROVAL OF THE PAST MEETING MINUTES

Meeting	Votes-Yes	Votes-No	Votes-Abstain	Votes-Recuse
IBC Recombinant meeting on Tuesday, August 12, 2025	15	0	7	0

2. CONFLICT OF INTEREST RECUSAL

Attendee	Project	Comment
Guocan Wang	RM00002407-RN01_AM17	Dr. Wang is the PI of this Non-Administrative modification
Niki M. Zacharias Millward	RM00008403-RN00	Dr. Msaouel is a collaborator of Dr. Millward.
Niki M. Zacharias Millward	RM00008300-RN00	Dr. Msaouel is a collaborator of Dr. Millward.

3. REPORT OF THE ADVERSE EVENTS
Linette Leadon, M.S.; Dir, Fac Mgt EHS Administration presented in Krithika Srinivasan's absence - 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	22	0	0	0

Investigator : Gohar Manzar
Document No. : RM00008222-RN00
NIH Guidelines Category : III-C-1.
Agents :

Viral Systems

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

Cell Lines

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

BSL 2: NEW PROTOCOLS

Cell Lines

Myeloid Cell Line UAPC	No

Room Numbers

Room No.	Description
Z5.2023	Tissue Culture Facility
Z5.2035	Tissue Culture Facility
Z5.2038	Research/Non-Class Laboratory- Wet Lab
Z5.2042	Research/Non-Class Laboratory- Wet Lab
P14.3071	Diagnostic Service Laboratory
Z5.2036	Research/Non-Class Laboratory- Wet Lab
P14.3063	Diagnostic Service Laboratory
Z5.2034	Research/Non-Class Laboratory- Wet Lab

Biosafety Level : BSL2

Meeting Notes : The goal of this Phase 1 study protocol is to evaluate the safety, tolerability, and recommended Phase 2 dose of TROP2 CAR/IL-15 TGFBR2 KO NK cells, given alone or with radiation therapy, in patients with advanced head and neck cancer. These engineered NK cells will be manufactured in the GMP facility at MD Anderson and infused into study participants. IRB approval is pending.

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

Investigator : Luhua Wang

Document No. : RM00008223-RN00

NIH Guidelines Category : III-C-1.

Agents :

Viral Systems

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

Cell Lines

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

Room Numbers

Room No.	Description
P14.2910	Diagnostic Service Laboratory
G15.3411	Care Team Station

Biosafety Level : BSL2

Meeting Notes : This is a phase II study of [redacted] engineered against both CD19 and CD20 antigens [redacted] for subjects with relapsed or refractory DLBCL after receiving at least two lines of therapy. The primary goal is to determine the efficacy of the agent administrated following a conditioning lymphodepletion regimen. Additional B-cell cancer patient cohorts are also part of the study. IRB approval is pending.

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

Investigator : Jyotika Sharma

Document No. : RM00004753-RN01

NIH Guidelines Category : NA

Agents :

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
MCF-7 cells overexpressing CYP19 aromatase enzyme (TR1)	No
Human neutrophil	No
Breast Cancer cells-MCF-7 cells overexpressing Androgen Receptor (TR2)	No
MCF-7 parental cells (breast cancer)	No

Microbial Agents

Name	Administered to Animals in Vivo
Klebsiella pneumoniae	Yes
Granulibacter bethesdensis	Yes
Influenza A virus (A/Puerto Rico/8/1934 [H1N1]; PR8)	Yes
Staphylococcus aureus	Yes
Pseudomonas aeruginosa	Yes
Helminth secreted factor (HSF)	Yes
Streptococcus pneumoniae	Yes

Room Numbers

Room No.	Description
S1.8226	Animal Facilities
S1.8223	Animal Facilities
Z9.4021C	Tissue Culture Facility
Z9.4033	Chemical Fume Hood Room

Biosafety Level : BSL2

Meeting Notes : The goal of this protocol is to investigate the molecular mechanisms that drive sepsis and lung inflammation during respiratory infections. Mice will be infected with varied microbial agents either intranasally or intraperitoneally to induce sepsis or lung inflammation, after which tissues, blood, peritoneal exudate, and bronchoalveolar lavage fluid will be collected for analysis. Additionally, breast cancer cell lines will be used in vitro to study the molecular basis of tamoxifen resistance in breast cancer. Primary human neutrophils are also part of the study. IRB protocol is current, and PI should upload the correct exempt memo to the registration.

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

Investigator : Mingqi Han

Document No. : RM00008345-RN00

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

BSL 2: NEW PROTOCOLS

Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Adenovirus	Yes	pAd5CMVCreMT1pA
Lentivirus	Yes	LV-CMV-Cre

Cell Lines

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

Room Numbers

Room No.	Description
3SCR1.3112	Animal Facilities

Biosafety Level : BSL2

Meeting Notes : The investigators are studying a type of immune cell that, instead of fighting the cancer, may supply it with nutrients and energy. This protocol applies longitudinal PET Imaging to monitor tumor metabolic signatures. Two viral vectors will be used to generate lung cancer genetically engineered mouse models for the study, and lung cell lines from human and mice will also be utilized. The genes and protocols used in vivo and in vitro require clarification. ACUF is under IACUC review and cellular work is not currently described on the ACUF.

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

Investigator : Kapil Bhalla

Document No. : RM00000814-RN02

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

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

Microbial Agents

Name	Administered to Animals in Vivo
[redacted]	No
[redacted]	No

Room Numbers

Room No.	Description
T6.3932	Research/Non-Class Laboratory- Wet Lab
S1.8464	Animal Facilities
T6.3932A	Tissue Culture Facility
S1.8465	Animal Facilities

Biosafety Level : BSL2

Meeting Notes : This protocol studies the role of various genes in the effects of anti-leukemia therapies on AML. RNA interference/CRISPR-mediated depletion of various genes will be performed. Various [redacted] systems will be utilized, none of which will be administered to animals. [redacted] will be used which will be injected in animals. ACUFs and IRB protocols are current.

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

Investigator : Anisha Patel

Document No. : RM00008366-RN00

NIH Guidelines Category : III-C-1.

Agents :

Microbial Agents

Name	Administered to Animals in Vivo
ATR04-484 (genetically engineered Staphylococcus epidermidis)	No

Room Numbers

Room No.	Description
B1.4392A	Pharmacy

Biosafety Level : BSL2

BSL 2: NEW PROTOCOLS

Meeting Notes : This clinical protocol evaluates the safety and tolerability of ATR04-484, a genetically engineered strain of Staphylococcus epidermidis, when applied topically to patients with EGFR inhibitor–associated rash. The agent is available in cream form from Azitra, Inc. IRB approval is pending.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	21	0	0	1

Investigator : Pavlos Msaouel
Document No. : RM00008403-RN00
NIH Guidelines Category : III-C-1.
Agents :

Viral Systems

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

Cell Lines

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

Room Numbers

Room No.	Description
P14.2910	Diagnostic Service Laboratory
Z5.2039	Chemical Fume Hood Room
P14.3071	Diagnostic Service Laboratory
P14.3063	Diagnostic Service Laboratory
Z5.2025C	Research/Non-Class Laboratory- Wet Lab
Z5.2042	Research/Non-Class Laboratory- Wet Lab
Z5.2034	Research/Non-Class Laboratory- Wet Lab
G19.3248	Family/Visitor Room (Living) Lounge

Biosafety Level : BSL2
Meeting Notes : This clinical protocol aims to determine the safety, tolerability, maximum tolerated dose, and optimal cell dose of chimeric antigen receptor TGFBR-2 KO CD70 CAR NK cells in patients with advanced ccRCC. TGFBR2- KO CD70 CAR NK cells will be manufactured in GMP facility at MD Anderson. IRB protocol is current.

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

Investigator : Francois Villinger
Document No. : RM00008361-RN00
NIH Guidelines Category : NA
Agents :

Microbial Agents

Name	Administered to Animals in Vivo
JC Virus	Yes
JCV-Mad1 (JCV-NA that is JC virus-strain Mad-1)	Yes
BK Virus	Yes
JCV-Mad1-S269F (JCV-NA that is JCV-Mad1 with a mutation in the VP1 gene that expands its tissue tropism)	Yes

Room Numbers

Room No.	Description
VLC1.115	Animal Facilities
VLC1.114	Animal Facilities

Biosafety Level : BSL2
Meeting Notes : The PI plans to conduct a pilot study to determine the potential for further development of a polyomavirus disease model utilizing JCV and/or BKV viruses in virus free baboons. Viruses will be produced in Dr. Vanchiere's lab at LSUHS and administered to animal in vivo. Post-inoculation specimens of blood, urine, feces and cerebrospinal fluid will be tested for the presence of inoculated virus by quantitative PCR. ACUF protocol is ok however an amendment is under processing to change the PI.

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

Investigator : Yinghong Wang
Document No. : RM00004585-RN01
NIH Guidelines Category : NA
Agents :

Microbial Agents

Name	Administered to Animals in Vivo
Fecal microbiota transplantation (FMT).	No

Room Numbers

Room No.	Description
R5.2311	Research/Non-Class Laboratory
R5.2138	Healthcare Central Supplies

Biosafety Level : BSL2
Meeting Notes : The goal is to study the role of microbiome in the realm of immune checkpoint inhibitor induced GI complications in cancer population. Fecal microbiota transplantation will be performed in the cancer patients. Patient follow-up will be done to check for gastrointestinal side effects, response and safety to the treatment of fecal transplantation for diarrhea/colitis, and final outcomes. An extensive list of acceptance criteria is present based on the absence of selected viral and microbial agents. Corrective action required regarding IRB CR memo.

BSL 2: NEW PROTOCOLS

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	21	0	0	1

Investigator : Pavlos Msaouel
Document No. : RM00008300-RN00
NIH Guidelines Category : III-D-4-b.
Agents :

Non Viral Systems

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

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Adeno-associated virus	Yes	pAAV-Flex, PD43
Lentivirus	No	pLenti-PGK-Venus
Adenovirus	Yes	pEMS2158 (AAV9 SEROTYPE)
Adenovirus	Yes	Ad5CMVCre-eGFP
Lentivirus	No	pLVX-TetOne
Lentivirus	No	LentiCRISPRV2
Lentivirus	No	pLv-Puro EF1A
Lentivirus	No	pLenti 4, pLenti 6, pLenti 6.3; pLenti 7.3, pCMV, pBabe-Puro, pTripz, pGipz, pLKO, pLentiCMV, pLKO.1;pHAGE; pRS116, pFUGW based; pCDH, LentiCrispr-V2-GFP; pLSM5
Lentivirus	No	pLKO.1

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
RMC Cell lines	Yes
MSRT1	Yes
Vhl-Trp53-Pten-Cdkn2a-Cdkn2b Mouse Cell Line	Yes
293T helper Cells	No
FhKO9p21.3del Mouse Cell line	Yes

Microbial Agents

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

Room Numbers

Room No.	Description
SB.8225	Animal Facilities
SB.8233	Animal Quarters Service
T7.3958	Research/Non-Class Laboratory- Wet Lab
T7.3958A	Tissue Culture Facility

Biosafety Level : BSL2
Meeting Notes : This protocol studies the roles of putative therapeutic targets in renal cell carcinoma. The protocol will down-regulate or over-express various genes in kidney cancer cell lines. Transduced cells will be injected in mice. Plasmids will be used in vitro. Adenoassociated, adenovirus and lentivirus vector systems will be used, some of which will be administered to animals. The ACUF does not include direct administration of viral agents to animals. IRB protocol listed and current, however how human subjects data or materials will be utilized is not described in this registration.

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

Investigator : Vincent Bernard Pagan
Document No. : RM00008372-RN00
NIH Guidelines Category : III-D-4-b.
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
CAG_SRP9	No
CMV_CDK13-WT	No
pLSL-Cas9-Rosa26TV	No
CMV-Cre	No
pPB-UniSAM	No
CMV_CDK13-edited_GFP	No
CMV_CDK13-edited	No
pSPB - Super piggyBac Transposase	No
CMV_CDK13-GFP	No
TetOn_CDK13-edited	No
TetOn_CDK13-WT	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pLV[Exp]-Puro-CAG>EGFP
Lentivirus	No	lenti U6-sgR MS2 CMV-CreERT2-P2A-puro WPRE
Lentivirus	No	pLV[Exp]-Puro-rev(CMV>InhAPOBEC3A[NM_145699.3]*
Lentivirus	No	TetOn>{hCDK13[NM_003718.4]*(Q103R)}/FLAG GFP tag
lentivirus	No	pLV[Exp]-Puro-CMV>{Stuffer_300bp}:IRES:EGFP
Lentivirus	No	pLV[Exp]-Puro-CMV>{hCDK13[NM_003718.4]}/FLAG GFP tag
Lentivirus	No	pCW57.1

BSL 2: NEW PROTOCOLS

Viral Systems

Lentivirus	No	pLJM1-EGFP
Lentivirus	No	pLV[Exp]-Puro-CMV>{hCDK13[NM_003718.4]*(Q103R)}/FLAG GFP tag
Lentivirus	No	pLV[Exp]-Puro-rev(CMV>InhAPOBEC3A[NM_145699.3] /Myc:IRES:EGFP:BGH pA)
Lentivirus	Yes	lenti sgRNA(MS2) Cre
Lentivirus	No	pLV[Exp]-Puro-CAG> {Truncated_APOBEC3ANM_145699.4}/Myc:IRES:EGFP
Lentivirus	No	pLV[Exp]-Puro-CAG>hAPOBEC3A[NM_145699.3]/Myc:IRES:EGFP
Lentivirus	No	pLKO.1 GFP
lentivirus	No	psi-LVRInU6TGP
Retrovirus	No	PresentER-SIINFEKL(OVA) (LUC)
Lentivirus	No	TetOn>{hCDK13[NM_003718.4]}/FLAG GFP tag
Lentivirus	No	pLKO.1 puro
Lentivirus	No	pLV[Exp]-Puro-CMV>{hCDK13[NM_003718.4]*(Q103R)}/FLAG
Lentivirus	No	pLV[Exp]-Puro-CAG>mTmem173[NM_028261.1]/Myc:IRES:EGFP
Lentivirus	No	pLV[Exp]-Puro-CMV>{hCDK13[NM_003718.4]/FLAG
Lentivirus	No	pLV[Exp]-Puro-CAG>mCherry
lentivirus	No	pEZ-Lv196
Lentivirus	No	lenti sgRNA(MS2)_puro
Lentivirus	No	pLV[Exp]-Puro-CAG>hSRP9[NM_001130440.1]/FLAG
Lentivirus	No	Ubc.Luc.IRES.Puro
Adenovirus	No	pbr322
Retrovirus	No	PresentER-SIINFEKL(OVA) (GFP)

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
OT-SAM T-cells	Yes
Human Embryonic Kidney (Helper) LentiX HEK293T	No
pancreatic cancer	Yes
pancreatic cancer	Yes

Room Numbers

Room No.	Description
Z3.2023	Tissue Culture Facility

Biosafety Level : BSL2

Meeting Notes : The PI aims to create tools for better understanding how pancreatic cancer cells create tumors, evolve in the face of stress and therapy and ultimately kill patients. Established and new mouse and human pancreatic cancer cells will be manipulated to determine what the impact of certain genes and processes may be on cancer biology, using shRNA, siRNA, standard transduction techniques and cas9-CRISPR technology to attenuate, delete and overexpress specific genes of interest. In parallel, approaches to enhance Tcell anti-tumor response in pancreatic and lung cancer will be developed. Specifically, murine T-cells will be engineered to over-express certain factors that may enhance therapeutic potential. Viral vectors and cell lines will be used in vivo and in vitro. ACUFs are current.

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

Investigator : Vincent Bernard Pagan

Document No. : RM00008371-RN00

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

Agents :

Non Viral Systems

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

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pLKO
AAV	No	AAV8
Lentivirus	No	pVSVg (Addgene)
Lentivirus	No	LentiCRISPRv2 (Addgene)
Adenovirus	No	pAdEasy
Adenovirus	No	Adenox Vector (Clontech)

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Pancreatic Cancer cell lines	Yes
Pancreatic cancer - Pa09C	No
PDX (PANC198.PANC215 and PANC185	Yes
HEK293T	No
Pancreatic cancer - Pa16C	No
Pancreatic cancer - Pa04C	No
Pancreatic cancer - Pa01C	No
Pancreatic cancer - Pa20C	No
Pancreatic cancer - Pa02C	No
Pancreatic cancer - Pa07C	No
Pancreatic cancer - Pa03C	No
Pancreatic cancer - Pa08C	No

Microbial Agents

Name	Administered to Animals in Vivo
E.Coli DH5a	No

Room Numbers

Room No.	Description

BSL 2: NEW PROTOCOLS

Room Numbers

Z3.2033	Tissue Culture Facility
SB.8221	Animal Facilities
Biosafety Level :	BSL2
Meeting Notes :	This protocol aims to use viral vectors to enable CRISPR/Cas9-mediated editing of various driver genes that are pertinent to pancreatic cancer, and that will be injected directly to adult mouse pancreas to generate preclinical models of pancreatic cancer. Various pancreatic cancer cell lines will be used, some of primary passage. ACUF and IRB are current.

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

Investigator :	Roy F Chemaly
Document No. :	RM00004486-RN01
NIH Guidelines Category :	NA
Agents :	

Cell Lines

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

Microbial Agents

Name	Administered to Animals in Vivo
Influenza	No
Respiratory syncytial virus	No
Parainfluenza virus	No

Room Numbers

Room No.	Description
Z9.2033	Tissue Culture Facility
Biosafety Level :	BSL2
Meeting Notes :	The PI plans to study the interplay of the immune system, microbiome, and virome in determining outcome of respiratory viral infections in hematopoietic cell transplant recipients and in patients with leukemia by analyzing patient samples. These samples will be processed in the lab for diverse analyses including 16S rRNA and virus DNA sequencing. Among other contingencies, it was noted that the cell types listed in the “protocol information’ and ‘cell & tissue types’ sections are not the same. IRB protocol is current.

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

Investigator :	Claudio M Aldaz
Document No. :	RM00001210-RN02
NIH Guidelines Category :	III-D-3-a.
Agents :	

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pcDNA3	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
CMV-GFP-T2A-Luciferase Lentivector	No	pLVX
lentivirus	No	pLVX-pCMV-Tet3G
lentivirus	No	pLVX-TRE3G-ZsGreen

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
HEK293	No

Microbial Agents

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

Room Numbers

Room No.	Description
4SCR4.1171	Tissue Culture Facility
Biosafety Level :	BSL2
Meeting Notes :	The goal of this research project is to investigate the role of WWOX protein in cancer, in particular its interaction with DVL protein family members. Viral and non-viral plasmids will be used in vitro to express WWOX, tagged protein and reporter genes.

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

Investigator :	Neeraj Saini
Document No. :	RM00008346-RN00
NIH Guidelines Category :	III-D-1-a.
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

BSL 2: NEW PROTOCOLS

Cell Lines

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

Room Numbers

Room No.	Description
2SCR4.3155	Tissue Culture Facility
2SCR4.3156	Tissue Culture Facility
PPB1.645	Animal Facilities
PPB1.641	Animal Facilities
2SCR4.3152	Tissue Culture Facility

Biosafety Level : BSL2

Meeting Notes : This protocol is to develop novel anti-cancer cellular therapies. Lentiviral vector and non-viral Sleeping Beauty Transposon System will be used to engineer primary T cells to express CAR targeting CD276, BCMA, GPRC5D, FcRH5 and GD2 alone or as bispecific T-Cell targeting two antigens. Cell lines and primary human cells will be administered to animals. IRB protocol to collect primary T cells has been approved (2024-0039). ACUF# 00002618-RN00 is pending. IRB is current.

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	0	0

Investigator : Katy Rezvani

Document No. : RM00002650-RN01_AM8

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

Agents :

Non Viral Systems

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

Viral Systems

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

Cell Lines

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

Microbial Agents

Name	Administered to Animals in Vivo
[redacted]	No

Biosafety Level : BSL2

Meeting Notes : They added a [redacted] to agents.

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

Investigator : Jeffrey J Molldrem

Document No. : RM00008139-RN00_AM1

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

Agents :

Viral Systems

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

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
kidney cancer	Yes
293T	No
breast cancer	Yes

Cell Lines

human primary cells - Peripheral blood mononuclear cells	Yes
leukemia	Yes
293GP	No
pancreatic cancer	Yes

Biosafety Level : BSL2

Meeting Notes : This amendment added new retroviral backbone and new genes.

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

Investigator : Christopher Alvarez-Breckenridge

Document No. : RM00006080-RN00_AM7

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

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pCMV-VSV-G	No
pCMV-dR8.91	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
adenovirus	Yes	Delta-24 backbone (mutation of 24bp in E1A)
Lentivirus	No	pCDH-CMV-Firefly Luciferase-EF1-CopGFP

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Peripheral blood mononuclear cells	No
Chordoma cells	No
Osteosarcoma cells	Yes
GP100 specific T cell (irrelevant T cells)	Yes
M27 specific T cell (irrelevant T cells)	Yes
lung cancer cells	Yes
Lung cancer cells	Yes
Renal cancer	Yes
Breast cancer	Yes
melanoma cells	Yes
Prostate cancer	No
Breast cancer	Yes
Prostate cancer	Yes
Parental brachyury specific T cells	Yes
Chordoma cells	Yes
293T	No
Renal Cancer	Yes
Brachyury specific TCR engineered T cells	Yes
Brain metastases tissue	No
Spine primary and metastatic tumor tissue	No

Microbial Agents

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

Biosafety Level : BSL2

Meeting Notes : In the current amendment, IACUC number has been updated.

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

Investigator : Rugang Zhang

Document No. : RM00006480-RN00_AM5

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

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pPGK-transposase	Yes
pKT2-NRasV12-DsRed2-miR-30-shRNA-Luciferase	Yes

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pMD2.G
lentivirus	No	pLVX-CMV
Lentivirus	No	psPAX2
lentivirus	No	pLKO.1
lentivirus	No	pLenti6.3/V5-DEST
lentivirus	No	LentiCRISPR-v2

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
IMR90, BJ-fibroblast	Yes
Pheonix-epithelial cells	No
High Grade Serous Ovarian Cancer (OVCAR3, OVSAHO, PE01, PE04, OVCAR10)	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E. coli DH5a	No

Biosafety Level : BSL2

Meeting Notes : Two plasmids were added to this protocol for in vivo studies. Contingency noted for ACUF referring to in vivo use of agents.

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

Investigator : Fabien Delerue
Document No. : RM00007008-RN00_AM7
NIH Guidelines Category : III-D-4-b.
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
TALENs, ZFN or other endonucleases	Yes
s.p.Cas9 and any other endonuclease	Yes
various (supplied by contracting investigators)	Yes
ssODN - various (supplied by vendor through investigator)	Yes
CRISPR sgRNAs	Yes

Viral Systems

Virus System	Virus Administered to Animals	Backbones
adeno-associated virus (AAV)	Yes	AAV is helper virus free

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
mouse embryonic stem cells	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E. coli DH10b	No
E. coli SURE	No
E.coli DH5 alpha	No
E. coli XL1Blue	No

Biosafety Level : BSL2
Meeting Notes : Amendment includes ELP biopolymers encoded by plasmids as well as DTA for negative selection in mouse embryonic stem cell culture.

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

Investigator : Steven Hsesheng Lin
Document No. : RM00000638-RN02_AM2
NIH Guidelines Category : III-D-4-b.
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
p luc	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	CRISPR-Cas9
Lentivirus	No	pMDLg/pRRE
Adenovirus	Yes	human Adenovirus Type5 (dE1/E3)
Lentivirus	Yes	psuCMVlacZ-CRE
Lentivirus	No	pMD2.G
Lentivirus	No	pRSV-Rev

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Lung adenocarcinoma cell line derived from Kras-p53 mice (393P)	Yes
Lung cancer	Yes
Lung adenocarcinoma cell line derived from Kras(LA1) mice (LKR-13)	Yes
Lung adenocarcinoma cell line derived from Kras-p53 mice (344SQ)	Yes
fibroblasts	No
Embryonic kidney cell line (HEK293FT)	No

Microbial Agents

Name	Administered to Animals in Vivo
E. coli DH5 alpha	No
E. coli Stbl3	No

Biosafety Level : BSL2
Meeting Notes : This amendment updated the IACUC protocol number.

Disposition	Votes For	Votes Against	Votes Abstain	Votes-Recuse
Approved With Contingencies	21	0	0	1

Investigator : Guocan Wang
Document No. : RM00002407-RN01_AM17
NIH Guidelines Category : III-D-4-b.
Agents :

Non Viral Systems

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

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus/packaging virus	Yes	pRSV-Rev, pMD2.G, pMD-VSVG; pAX2
AAV-Cre-GFP	Yes	pAAV-MCS
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
Retrovirus	Yes	MIG (MIG-Flag-ER-Hoxb8)
Lentivirus/ shRNA	Yes	pLenti, CRISPR/ Cas9
Lentivirus/ shRNA	Yes	pLenti, pTomo, pCCL-cppt-PGK-WPRE
Lentivirus/OE	No	pLenti 6.3-V5/DEST and pLenti4-V5/DEST
Lentivirus/ shRNA	Yes	pLKO.1, pLenti6.3,pLenti4,pLKO.3G,pHAGE, pLVX
Retrovirus	Yes	MSCV (MSCV neo-HA-ER-Hoxb8)
Retrovirus	Yes	pBabe, pWZL, pMSCV
Retrovirus	Yes	pBabe, pQCXIN, pRKO, pEYK, pRRL
Lentivirus/shRNA	No	pLenti6/BLOCK-iT-DEST

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Chinese Hamster Ovary (CHO-SCF)	No
Embryonal kidney cell lines (293T)	No
Prostate cancer cell lines	Yes
Human NEPC (NCI-H660, LASCPC-1)	Yes
Mammary gland cell lines (e.g., 4T07, 4T1, HCC1428, HCC1429, HCC1469, HMLE, HS578T,MCF10A)	No
Urothelial carcinoma (MB49)	Yes
Prostate cell lines derived from metastatic sites (e.g., DU145, LNCAP, PC3, PC3M, VCAP)	Yes
Mouse Embryotic Stem Cells	No
HL 60 (Promyeloblast)	No
Human endothelial cell lines	Yes
Mouse Melanoma (B16-GM-CSF)	No
Lung derived from metastatic sites (e.g., H2052, H2B)	No
Prostate cancer cell lines	Yes
Mouse Kidney Cancer Cell Line RENCA	Yes
Mammary gland cells derived from metastatic sites (e.g., HCC1954, MCF7, MDA-MB231, SKBR3)	Yes
Human NEPC (144-13)	Yes
Fibroblast cell lines	No
Human KidneyCancer Cell Lines 769P, 786O & A498)	Yes
Urothelial carcinoma (NHU-Tert, HT1197, HT1376, T24, RT-112,)	Yes
Mouse Myeloid (ER-HoxB8 GMP)	No
Colon cancer cell line (HCT116)	Yes
Urothelial carcinoma (UCC-3, UCC-14, UCC-17, UCC-36)	Yes
Mouse Kidney Cancer Cell Line LVRCC67	Yes
Mouse Bone Marrow (Jedi Bone Marrow)	Yes
Urothelial carcinoma (UPPL1541, BBN963)	Yes
Mouse NEPC (PTR, KPTR)	Yes
Mammary gland ductal carcinoma (e.g., BT459, BT474)	No

Microbial Agents

Name	Administered to Animals in Vivo
DH5a E. coli	No
Biosafety Level :	BSL2
Meeting Notes :	Two lentiviral vectors were added to the registration and information on ACUF was updated.

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

Investigator : Xiaodong Cheng

Document No. : RM00002655-RN01_AM2

NIH Guidelines Category : III-D-3-a.

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pCS2	No
pMSCV	No
pCMV system (6, Sport6, XL6)	No
pGEX (4T-1, 6p1)	No
pcDNA3	No
pENTER	No
pHR	No
pRK5	No
pET system [15b TEV-c9R, 21a, 22b, 24a(+)-TEV, 28a, 28b, 30a(+)]	No
pFBOH-(LIC, MHL)	No
pLJMI-eGFP	No
Pcold I	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pLenti CMV/TO Neo DEST
shRNA	No	pGIPZ
Lentivirus	No	pLenti PGK Puro DEST

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Immortalized human bronchial epithelial cells (BEAS-2B)	No
Lung adeno carcinoma (A549)	No

Cell Lines

Gastric cancer (GA051816, GA080417, GA100218)	No
Prostate Cancer (PC3, DU145, LNCaP)	No
Chinese Hampster Ovary CHO	No
Lung cancer cells [A549-luc2 (NSCLC) , NCI-H1299]	No
Diffuse large b cell lymphoma (RIVA, K54, Ly1, Ly7, SU, U293L)	No
Breast epithelial cells (MCF10a)	No
Human Embryonic kidney cell line HEK293	No
Gastric normal cells (GES1)	No
Breast cancer (MCF7,MDA-MB-231, MDA-MB-453, MDA-MB-468, BT474,BT549, ZR-75-1)	No

Microbial Agents

Name	Administered to Animals in Vivo
E.coli (K-12, DH5a, DH10b)	No
E.coli (BL21, Rosetta, pLysS etc.)	No

Biosafety Level : BSL2

Meeting Notes : In this amendment, a new gene was added.

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

Investigator : Xiao Zhao

Document No. : RM00007174-RN00_AM2

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

Agents :

Non Viral Systems

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

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pHAGE-KNL1S24AS60A-dCas9-blast,
Lentivirus	No	pLENTI FE

Cell Lines

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

Biosafety Level : BSL2

Meeting Notes : This amendment added two plasmids 1 to knock in the expression of AurKB in cell lines in vitro.

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

Investigator : Yuan Pan

Document No. : RM00005849-RN00_AM54

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

Agents :

Non Viral Systems

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

Viral Systems

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

Viral Systems

Cell Lines

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

Cell Lines

[redacted]	Yes

Microbial Agents

Name	Administered to Animals in Vivo
[redacted]	No

Biosafety Level : BSL2

Meeting Notes : One [redacted] was removed from the list of genes/RDNA and the description of Work/Agents.

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

Investigator : Aria Vaishnavi

Document No. : RM00006133-RN00_AM20

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

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pX333	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
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 and Retrovirus	No	pCMV-VSVG
lentivirus	No	CAG-PCDH, CAG-Rbms3-PCDH, TOP-GFP, pCAG-CRE-GFP-PCDH,
Lentivirus	No	pCW57.1-TRE-CMV-minP-EGFP-PGK-BSD-T2A-Tet-Off; +/- shERBB, shHER2, shHER4
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	pLV[Exp]-CMV>tTS/rtTA/Hygro, pLV[Exp]-Bsd-TRE>HA/HA/HA/{hKRAS(S17N)}
Adenovirus	Yes	AdenoCAS9, ADENOEMl4-ALK, Ad5.CMV-CRE, Ad5.SPC-CRE
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	pFUGW-Pol2-ffLuc2-eGFP
Retrovirus	No	pMMLV-hHER2/3xFLAG-hPGK>Bsd., pMMLV-3xFLAG/hHER2(C805S)-hPGK>Bsd, pMMLV-3xFLAG/hHER2_hPGK>Bsd
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	pMCL-HA-MAPKK1-11A55B [S218E/S222D], pMCL-HA-MAPKK1-WT,
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
Lentivirus	No	pCW57.1-TRE-CMV-minP-EGFP-PGK-BSD-T2A-Tet-Off; +/- shARAF; shBRAF; shCRAF; TPL2; shREN
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	tet-shEGFR1-3, tet-shHER21-3, tet-shRenilla, tet-shEGFR1-2, tet-shHBEGF 1-3, tet-shCRAF 1-3
Lentivirus	No	pTR-UEms
Retrovirus	No	FLAG-BRAF
Lentivirus	No	pLenti-CRISPRv2
Lentivirus	No	PRK5RS-HERCD533
Lentivirus	No	CAG-PCDH
Retrovirus	No	FLAG-CRAF-S338A, FLAG-CRAF-R401H, FLAG-BRAF-V600E
Lentivirus	No	pSPAX
Lentivirus	Yes	UPEC_pegRNA: EV, BRAF-G466E, G466R, G466V, G469A, G49V, G469I, DNMT1, KRASG12D
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	ACTIN-SOX2-PGK-CRE, PCDNA3-Myc-IQGAP1, LRP6-pC62
Lentivirus	No	pCMV-Delta 8.9
Adenovirus	Yes	pAAV-mBraf-G469V
Lentivirus	Yes	sgNT-CRE, sgLKB1-CRE, sgBIM-CAS9, sgRbms31-5, sgP53-CRE, sgLKB1-CRE, sgEGFR1-5-CRE, Lentis-D2G-28pool/CRE
Lentivirus	No	pCF806_shABC2-puro or -blast
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

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo

Cell Lines

Subcutaneous connective tissue; Adipose; Areolar	No
Pancreatic Cancer	No
Fibroblast	No
Kidney Cells 293T	No
Lung Cells	Yes
Colorectal Cancer	No
Lung Cells	Yes
Kidney cells 293T Phoenix Ampho	No
Lung Cancer	Yes
Lung Cancer	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E.coli	No

Biosafety Level : BSL2

Meeting Notes : A new ACUF protocol was added to the registration.

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

Investigator : Di Zhao

Document No. : RM00003982-RN01_AM6

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

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pGL4.12 (luc2CP) Vector;	No
pCMV5	No
pGL3-Basic	No
pUC Ori vector (PX260)	No
CRISPR KO-GFP	No
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
pGIPZ	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pLenti, CRISPR/ Cas9
Lentivirus/ shRNA	No	pLKO.1, pLenti6.3,pLenti4,pLKO.3G,Tet-pLKO, pLVX, EZ-tet-pLKO(hygro)
Retrovirus	No	pBabe, pWZL, pMSCV; pBabe, pQCXIN, pRKO, pEYK, pRRL
Lentivirus	No	pHage-EF1a-V5-IRES-EGFP; pHage
Lentivirus	No	pCDH-C-miniTurbo
LentiArt™ Virus Packaging Kit (CART-027CL)	No	pHelp1, pHelp2, pHelp3
Lentivirus/packaging virus	No	pRSV-Rev, pMD2.G, pMD-VSVG; pAX2
Lentivirus	No	pCDCAR1 B7-H3h
Lentivirius	No	pCDCAR1 CD276 h
Lentivirus	No	pLentiCRISPR v2
Lentivirus	No	pCDH-N-miniTurbo
Lentivirus	No	pLOC
Lentivirus	No	CRISPRa, Edit-R CRISPRa Lentiviral dCas9-VPR

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 : The amendment updates ACUF protocol and funding information.

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

Investigator : Eric Jonasch

Document No. : RM00000505-RN02_AM4

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

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
mouse PRMT3	No

Non Viral Systems

pT7-Elongin C-pcDNA3	No
mouse IGF2BP1	No
pmTurquoise2-H2A	No
siRNA against human PRMT3	No
Atg7-Loxp	No
siRNA against human IGF2BP1	No
pH2B-Venus	No
human PRMT3	No
siRNA against murine PRMT3	No
human IGF2BP1	No
siRNA against murine IGF2BP1	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	shRNA control
Lentivirus	No	human PRMT3 sgRNA
Retrovirus	No	pFlag-HA-BAP1
Retrovirus	No	pHA-Elongin B-pcDNA3.1(+)-Zeo
Retrovirus	No	pLEGFP-C1
Retrovirus	No	pHA-VHL Y98N-pBabe-puro
Retrovirus	No	pBabe-HAZ
Retrovirus	No	pHA-VHL 1-115-pBabe-puro
Adeno-Associated Virus	No	pZC-TCP1-HA v2.3 (AAV CCT1)
Retrovirus	No	pHA-VHL Y112H-pBabe-puro
Lentivirus	No	pCDHCB1HIF2aGFPT2APuro; HIF2A
Retrovirus	No	pRetroQ-mCherry-C1
Retrovirus	No	pHA-VHL T157I-pBabe-puro
Lentivirus	No	human IGF2BP1 sgRNA
Retrovirus	No	pHA-VHL L188V-pBabe-puro
Retrovirus	No	pBabe WT Akt2
Adeno-Associated Virus	No	pZC2aR v2.3 venus (empty vector)
Lentivirus	No	murine PRMT3 shRNA
Lentivirus	No	pLKO.1-puro
Retrovirus	No	pHA-VHL W117R-pBabe-puro
Lentivirus	No	human PRMT3 shRNA
Lentivirus	No	murine IGF2BP1 shRNA
Retrovirus	No	pBabe-GFP
Adenovirus	No	Ad-Cre-GFP
Retrovirus	No	pBabe-HcRed
Retrovirus	No	pBabe-neo
Lentivirus	No	murine PRMT3 sgRNA
Lentivirus	No	murine Cgas shRNA
Adenovirus	No	Ad-GFP
Lentivirus	No	human SETD2 shRNA
Adeno-Associated Virus	No	pZC2aR v2.3 VHL-venus (AAV VHL)
Retrovirus	No	pBabe-zeo
Retrovirus	No	pHA-VHL Y112N-pBabe-puro
Lentivirus	No	murine Setd2 shRNA
Lentivirus	No	murine IGF2BP1 sgRNA
Retrovirus	No	pHA-VHL-wt-pBabe-puro
Lentivirus	No	human CGAS shRNA
Lentivirus	No	human IGF2BP1 shRNA
Lentivirus	No	pHIV-H2BmRFP
Retrovirus	No	pBabe puroL Akt
Retrovirus	No	pBabe-hygro

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Human RCC Cell Line SN12C	Yes
Human RCC Cell Line RCC4	Yes
Renal Cancer Cell Lines	Yes
Human RCC Cell Lines 786-O	Yes
Human RCC Cell Line Caki-1	Yes
Human RCC Cell Line ACHN	Yes
Human RCC Cell Line TK10	Yes
293T	No
Mouse Embryonic Fibroblasts (MEF)	Yes
LVRCC67 (Renal Cancer Cell Line)	Yes
A498 (Kidney)	No
Murine RCC Cell Line (RENCA)	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E. coli	No

Biosafety Level :	BSL2
Meeting Notes :	In this amendment, new genes, plasmids and lentiviral vectors have been added.

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

Investigator :	Samuel Mok
Document No. :	RM00000117-RN02_AM2
NIH Guidelines Category :	III-D-4-b.
Agents :	

Non Viral Systems

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

Viral Systems

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

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
[redacted]	Yes
[redacted]	Yes
[redacted]	Yes
[redacted]	Yes
[redacted]	Yes
[redacted]	Yes
[redacted]	Yes
[redacted]	Yes

Microbial Agents

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

Biosafety Level : BSL2

Meeting Notes : The amendment adds [redacted] for in vivo use and corresponding IACUC protocol.

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

Investigator : Dimitrios P Kontoyiannis

Document No. : RM00000336-RN02_AM4

NIH Guidelines Category : NA

Agents :

Microbial Agents

Name	Administered to Animals in Vivo
Aspergillus fumigatus Af293	Yes
Influenza A/PR/*/34	Yes
Aspergillus flavus	No
Aspergillus niger	No
A. alabamensis	No
Aspergillus fumigatus developmental mutant FL	No
Aspergillus terreus	No
RSV A2 VR-154	Yes

Biosafety Level : BSL2

Meeting Notes : This amendment removed a completed animal study and added another referring to new goals regarding pre-clinical studies involving microbial agents.

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

Investigator : Luigi Perelli

Document No. : RM00008252-RN00_AM1

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

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pCDNA	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pSICO, pHAGE
Adeno-associated virus	Yes	pEMS2158

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
293 T helper cells	No
Kidney cancer cells	No
Brain cancer cells	No
iPSC	Yes

Microbial Agents

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

Biosafety Level : BSL2

Meeting Notes : The amendment adds iPSCs for in vivo animal work.

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

Investigator : Jason Huse

Document No. : RM00001910-RN01_AM5

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
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

Biosafety Level : BSL2

Meeting Notes : Amendment includes use of hiPSC lines and updates ACUF protocol number.

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

Investigator : Simone Krebs

Document No. : RM00007946-RN00_AM2

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

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
PcDNA-KLG3	No
SFG-KLG3-BBZ-P2A-C825	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Retrovirus	No	SFG

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Galv9	No
human embryonic kidney cells	No
Murine lymphocytes (derived from peripheral blood and tissue mononuclear cells)	Yes
genetically engineered Human T cells expressing CAR and/or anti-DOTAscFv	Yes
Phoenix ECO	No
Human lymphocytes (derived from peripheral blood and tissue mononuclear cells)	Yes
genetically engineered murine T cells expressing CAR and/or anti-DOTAscFv	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E. coli DH5α	No

Biosafety Level : BSL2

Meeting Notes : The amendment adds plasmids, gene and a human cell line to the registration.

8. ADMINISTRATIVE MODIFICATIONS

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

Investigator : Rugang Zhang

Document No. : RM00006480-RN00_AM6

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pPGK-transposase	Yes
pKT2-NRasV12-DsRed2-miR-30-shRNA-Luciferase	Yes

Viral Systems

Virus System	Virus Administered to Animals	Backbones
lentivirus	No	pLKO.1
lentivirus	No	pLenti6.3/V5-DEST
lentivirus	No	pLVX-CMV
lentivirus	No	LentiCRISPR-v2
Lentivirus	No	psPAX2
Lentivirus	No	pMD2.G

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Pheonix-epithelial cells	No
IMR90, BJ-fibroblast	Yes
High Grade Serous Ovarian Cancer (OVCAR3, OVSAHO, PE01, PE04, OVCAR10)	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E. coli DH5a	No

Biosafety Level : BSL2
Meeting Notes : Personnel changes only.

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

Investigator : Ryan Park
Document No. : RM00007779-RN00_AM2
NIH Guidelines Category :
Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	U6
Lentivirus	No	NFAT
Lentivirus	No	EF1a
Lentivirus	No	SFFV
Lentivirus	No	PGK
Retrovirus	No	MIG-Luciferase-IRES-GFP
Lentivirus	No	CMV
Lentivirus	No	Ubc

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
293T human embryonic kidney cells	No
MC38	Yes
Jurkat - immortalized human T lymphocytes	No
B16-F0 mouse melanoma cells	Yes
Mouse T cells (mouse primary cells)	Yes
T cells (Human primary cells)	No

Biosafety Level : BSL2
Meeting Notes : Personnel changes only.

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

Investigator : Gabriel Pagnotti
Document No. : RM00008040-RN00_AM1
NIH Guidelines Category :
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pcDNA3.1	No
pEF4-Myc	No
pcDNA3-EGFp, PcDNA-RFP	No
PcEFL-HRAS	No
PSG5-HA-Hras_Wt	No
PcEFL	No
mFGFP-HRAS	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentiviral	No	PCDH-EF1-Luc2-PPA-td Tomato, pHiv-luc
lentiviral	No	pLenti-c-Myc-DDK-IRES-Puro
lentiviral	No	PLKO.1, CMV-delta, VSV-G, PCM DR8.2

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Medullary Thyroid Cancer (TT)	Yes
Medullary Thyroid Cancer (MZCRC1)	Yes
Human embryonic kidney- 293T	No

Microbial Agents

Name	Administered to Animals in Vivo
Ecoli DH5a	No

Biosafety Level : BSL2
Meeting Notes : Personnel changes only.

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

Investigator : Anirban Maitra
Document No. : RM00000687-RN02_AM4
NIH Guidelines Category :
Agents :

Non Viral Systems

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

Viral Systems

Virus System	Virus Administered to Animals	Backbones

Viral Systems

Lentivirus	No	pLKO
AAV	Yes	AAV8
Lentivirus	Yes	pVSVg (Addgene)
Lentivirus	Yes	LentiCRISPRv2 (Addgene)
Adenovirus	Yes	pAdEasy
Adenovirus	Yes	Adenox Vector (Clontech)

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Pancreatic Cancer cell lines	Yes
Pancreatic cancer - Pa09C	Yes
PDX (PANC198.PANC215 and PANC185	Yes
HEK293T	No
Pancreatic cancer - Pa16C	Yes
Pancreatic cancer - Pa04C	Yes
Pancreatic cancer - Pa01C	Yes
Pancreatic cancer - Pa20C	Yes
Pancreatic cancer - Pa02C	Yes
Pancreatic cancer - Pa07C	Yes
Pancreatic cancer - Pa03C	Yes
Pancreatic cancer - Pa08C	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E.Coli DH5a	No

Biosafety Level : BSL2

Meeting Notes : Personnel changes only.

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

Investigator : Luigi Perelli

Document No. : RM00008252-RN00_AM3

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pCDNA	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pSICO, pHAGE
Adeno-associated virus	Yes	pEMS2158

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
iPSC	Yes
293 T helper cells	No
Kidney cancer cells	No
Brain cancer cells	No

Microbial Agents

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

Biosafety Level : BSL2

Meeting Notes : Personnel changes only.

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

Investigator : Anirban Maitra

Document No. : RM00005515-RN00_AM3

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
CAG_SRP9	No
CMV_CDK13-WT	No
pLSL-Cas9-Rosa26TV	No
CMV-Cre	No
pPB-UniSAM	No
CMV_CDK13-edited_GFP	No
CMV_CDK13-edited	No
pSPB - Super piggyBac Transposase	No
CMV_CDK13-GFP	No
TetOn_CDK13-edited	No
TetOn_CDK13-WT	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pLV[Exp]-Puro-CAG>EGFP
Lentivirus	No	lenti U6-sgR MS2 CMV-CreERT2-P2A-puro WPRE
Lentivirus	No	pLV[Exp]-Puro-rev(CMV>InhAPOBEC3A[NM_145699.3]*
Lentivirus	No	TetOn>{hCDK13[NM_003718.4]*(Q103R)}/FLAG GFP tag
lentivirus	No	pLV[Exp]-Puro-CMV>{Stuffer_300bp}:IRES:EGFP
Lentivirus	No	pLV[Exp]-Puro-CMV>{hCDK13[NM_003718.4]}/FLAG GFP tag
Lentivirus	No	pCW57.1

Viral Systems

Lentivirus	Yes	pLJM1-EGFP
Lentivirus	No	pLV[Exp]-Puro-CMV>{hCDK13[NM_003718.4]*(Q103R)}/FLAG GFP tag
Lentivirus	No	pLV[Exp]-Puro-rev(CMV>InhAPOBEC3A[NM_145699.3] /Myc:IRES:EGFP:BGH pA)
Lentivirus	Yes	lenti sgRNA(MS2) Cre
Lentivirus	No	pLV[Exp]-Puro-CAG> {Truncated_APOBEC3ANM_145699.4}/Myc:IRES:EGFP
Lentivirus	No	pLV[Exp]-Puro-CAG>hAPOBEC3A[NM_145699.3]/Myc:IRES:EGFP
Lentivirus	No	pLKO.1 GFP
lentivirus	No	psi-LVRInU6TGP
Retrovirus	No	PresentER-SIINFEKL(OVA) (LUC)
Lentivirus	No	TetOn>{hCDK13[NM_003718.4]}/FLAG GFP tag
Lentivirus	No	pLKO.1 puro
Lentivirus	No	pLV[Exp]-Puro-CMV>{hCDK13[NM_003718.4]*(Q103R)}/FLAG
Lentivirus	No	pLV[Exp]-Puro-CAG>mTmem173[NM_028261.1]/Myc:IRES:EGFP
Lentivirus	No	pLV[Exp]-Puro-CMV>{hCDK13[NM_003718.4]/FLAG
Lentivirus	No	pLV[Exp]-Puro-CAG>mCherry
lentivirus	No	pEZ-Lv196
Lentivirus	Yes	lenti sgRNA(MS2)_puro
Lentivirus	No	pLV[Exp]-Puro-CAG>hSRP9[NM_001130440.1]/FLAG
Lentivirus	No	Ubc.Luc.IRES.Puro
Adenovirus	Yes	pbr322
Retrovirus	No	PresentER-SIINFEKL(OVA) (GFP)

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
OT-SAM T-cells	Yes
Human Embryonic Kidney (Helper) LentiX HEK293T	No
pancreatic cancer	Yes
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	22	0	0	0

Investigator : Chitra Hosing

Document No. : RM00005457-RN00_AM1

NIH Guidelines Category :

Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Retroviral	No	pSFG4 (MMLV Retroviral)

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Natural Killer (NK) Cell	No
Myeloid Cell Line (K562)	No
Myeloid Cell Line (UAPC)	No
Human Embryonic Kidney (HEK) Cell Line	No

Microbial Agents

Name	Administered to Animals in Vivo
E.coli	No

Biosafety Level : BSL2

Meeting Notes : Personnel changes only.

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

Investigator : Yuan Pan

Document No. : RM00005849-RN00_AM53

NIH Guidelines Category :

Agents :

Non Viral Systems

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

Viral Systems

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

Viral Systems

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

Cell Lines

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

Cell Lines

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

Microbial Agents

Name	Administered to Animals in Vivo
[redacted]	No

Biosafety Level : BSL2

Meeting Notes : Personnel changes only.

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

Investigator : Jian Hu

Document No. : TA00001019-RN02_AM1

NIH Guidelines Category :

Agents :

Species	ACUF#	Genes Inserted	Genes Deleted
Mouse	00001392-RN03	Idh1, H3.3 or H3F3A	

Biosafety Level :

Meeting Notes : Personnel changes only.

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

Investigator : Elizabeth Shpall

Document No. : RM00000328-RN02_AM14

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
gRNA-IL21R	No
gRNA-CD80	No
gRNA-ITGB3	No
gRNA-PDL-2	No
gRNA-FOXO1	No
gRNA-CD86	No
gRNA-TIGIT	No
gRNA-CD47	No
gRNA-IL10R	No
gRNA-CD5	No
gRNA-pS6	No
gRNA-CD7	No
gRNA-SIRPa	No
gRNA-ITGAV	No
gRNA-LAG3	No
gRNA-CD70	No
gRNA-CREM	No
gRNA-CD25	No
gRNA-ICAM1	No
gRNA-ADAM17	No
gRNA-CD96	No
gRNA-CD95	No
gRNA-TGFBR2	No
gRNA-4EBP1	No
gRNA-CD40	No
gRNA-PD1	No
gRNA-IL21R	No
gRNA-TIM3	No
gRNA-NR3C1(Glucocorticoid Receptor)	No
gRNA-PDL-1	No
gRNA-Adenosine Receptor 2A	No
gRNA-SHIP1	No
gRNA-CISH	No

Non Viral Systems

gRNA-NKG2A	No
gRNA-Siglec 7	No

Viral Systems

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

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
PG13 packging cell line	No
B cell	Yes
CAL127 [Head and neck squamous cell carcinoma cell line]	Yes
mesenchymal stem cell (MSC)	Yes
human acute lymphocytic leukemia REH WT	Yes
natural killer cell	Yes
T cell	Yes
human lung carcinoma A549	Yes
UPC-I-090 [Head and neck squamous cell carcinoma cell line]	No
SKOV3 ovarian adenocarcinoma.	Yes
OVCAR5 ovarian adenocarcinoma.	Yes
OVCAR8 ovarian adenocarcinoma.	Yes
SCC47 [Head and neck squamous cell carcinoma cell line]	No
TROP2+PDX-luc	Yes
hematopoietic stem cell (HSC)	Yes
human B cell lymphoma JM1	Yes
FaDu [Head and neck squamous cell carcinoma cell line]	Yes
RPMI 2650 [Head and neck squamous cell carcinoma cell line]	No
293 T	No
OQ01 [Head and neck squamous cell carcinoma cell line]	Yes
K562 (CML tumor cell)	Yes
D562 [Head and neck squamous cell carcinoma cell line]	No
SCC25 [Head and neck squamous cell carcinoma cell line]	No

Microbial Agents

Name	Administered to Animals in Vivo
E Coli strain DH5alpha	No

Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

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

Investigator :	Jian Hu
Document No. :	RM00000880-RN02_AM1
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]	No	[redacted]
[redacted]	No	[redacted]
[redacted]	No	[redacted]
[redacted]	Yes	[redacted]
[redacted]	No	[redacted]
[redacted]	No	[redacted]
[redacted]	Yes	[redacted]
[redacted]	Yes	[redacted]
[redacted]	Yes	[redacted]

Cell Lines

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

Microbial Agents

Name	Administered to Animals in Vivo
[redacted]	No

Biosafety Level : BSL2
Meeting Notes : Personnel changes only.

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

Investigator : Anthony Paul Conley
Document No. : RM00007233-RN00_AM1
NIH Guidelines Category :
Agents :

Viral Systems

Virus System	Virus Administered to Animals	Backbones
HSV type 2	No	HSV type 2

Biosafety Level : BSL2
Meeting Notes : Personnel changes only.

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

Investigator : Yinghong Wang
Document No. : RM00004585-RN00_AM2
NIH Guidelines Category :
Agents :

Microbial Agents

Name	Administered to Animals in Vivo
Fecal microbiota transplantation (FMT).	No

Biosafety Level : BSL2
Meeting Notes : Personnel changes only.

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

Investigator : Daniel Frigo
Document No. : RM00002476-RN01_AM4
NIH Guidelines Category :
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pMax-GFP	No
pcDNA3.1nv5	No
pGex-6p-1	No
pcDNA3.1	No
pENTR2B	No
c-Flag pcDNA3	No
pDONR223	No
pGex-2T	No
pENTR1A	No
pGL4.26	No
pENTR3C	No
pGL4.24	No
pDEST15	No
pVP16	No
pM	No
pCMV-Sport6	No
pGL4.14	No
pRK-5	No
pcDNA-DEST53	No
pcDNA4	No
pGFP-LC3	No
pSG5	No
pDONR221	No
pDEST17	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
adenovirus	Yes	AAV
baculovirus	No	pDW464
retrovirus	No	pSR-puro
Lentivirus	No	pLKO.1-puro U6 sgRNA BfuAI stuffer
lentivirus	No	pINDUCER11
retrovirus	No	MSCV-IRES-eGFP
Lentivirus	No	pHAGE TRE dCas9-KRAB
lentivirus	No	pGIPZ
retrovirus	No	pSR-GFP/neo
lentivirus	No	pINDUCER20
lentivirus	No	pINDUCER22
retrovirus	No	MSCV-neo
retrovirus	No	pBABE-neo
lentivirus	No	pLenti-Bi-cistronic; pLenti pgk-neo; pLentiCRISPRv2
lentivirus	No	pCW-Cas9
lentivirus	No	pLX-sgRNA
lentivirus	No	pINDUCER10
retrovirus	No	pBABE-puro
retrovirus	No	SFG

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
insect cells sf9	No
liver cancer HEPG2	No
B6CaP mouse prostate cancer cell line	Yes
immortalized prostate cells LNCAP	No
Xenograft cells MDA-PCa-144-13	Yes
embryonic kidney cells 293T	No
prostate cancer RM9	Yes
cervical cancer HeLa	No
prostate cancer cells NCI-H660	Yes
prostate cancer cells V16	Yes
prostate cancer Myc-CaP	Yes
immortalized prostate cells VCAP	No
breast cancer ZR-75-1 and MDAMB231	No
prostate cancer TRAMP C2	Yes
prostate cancer 22RV1 and PC3	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E. coli	No

Biosafety Level : BSL2
Meeting Notes : Personnel changes only.

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

Investigator : Xi Chen
Document No. : RM00007378-RN00_AM9
NIH Guidelines Category :
Agents :

Non Viral Systems

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

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Retrovirus	No	pBABE
Lentivirus	No	pCDH
Lentivirus	No	pLKO.1-shRNA-KRAS
Lentivirus	No	pLVX-ZBP1
Lentivirus	No	pLKO.1-shRNA-MYC
Lentivirus	No	pCRISPR-sgRNA-HRD1.1
Lentivirus	No	pLVX-ZBP1
Lentivirus	No	pCRISPR-sgRNA-IRE1
Lentivirus	No	pHAGE-MEK
Lentivirus	No	pCRISPR-sgRNA-XBP1
Lentivirus	No	pCRISPR-sgRNA-XBP1
Lentivirus	No	pCDH-SCP3
Lentivirus	No	pCDH-RFP
Lentivirus	No	PCRISPR-sgRNA-SEL1L
Lentivirus	No	pHAGE-AKT
Lentivirus	No	pCRISPR-sgRNA-MYC
Lentivirus	No	pLVX-MYC
Lentivirus	No	pLKO.1-shRNA-KRAS
Lentivirus	No	pCDH-IRE1
Lentivirus	No	pCRISPR-sgRNA-HRD1.1
Lentivirus	No	pHAGE-KRAS
Lentivirus	No	pHAGE-GFP
Lentivirus	No	pCDH-IRE1-V918F

Viral Systems

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

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Pancreatic cancer	Yes
Breast cancer	Yes
293T cells	No
Pancreatic Cancer	Yes
Lung Cancer	Yes
Colon cancer: LS411N	Yes
Colon cancer: CT26	Yes
Colon cancer: SNU-C2B	Yes
Breast Cancer	Yes
Lung cancer	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E.coli (DH5a)	No
E.coli (Stbl3)	No

Biosafety Level : BSL2
Meeting Notes : Personnel changes only.

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

Investigator : Peter Grace
Document No. : RM00003601-RN01_AM13
NIH Guidelines Category :
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pcDNA3.1	No
pGL4.32	No
pFlag-CMV	No
pcDNA3-YFP	No
pcDNA3	No
pRL-CMV	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	LV
Lentivirus	No	lentiCRISPR v2
adeno associated virus	Yes	AAV

Cell Lines

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

Microbial Agents

Name	Administered to Animals in Vivo
E.coli DH5α	No

Biosafety Level : BSL2
Meeting Notes : Personnel changes only.

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

Investigator : Honami Naora
Document No. : RM00000166-RN02_AM4
NIH Guidelines Category :
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pGCP-Gag/Pol	No
pCas-Guide-GFP-CRISPRa	No
pVSV-G	No
pIRES-RFP	No
pCMVTag	No
pIRES-EGFP	No
pcDNA4	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pReceiver, pGIPZ, psPAX2, pMD2.G
retrovirus	No	HuSH, pLNCX, pLPCX, pLHCX, pMXS-IRES-GFP, pRetroQ-AcGFP, pRetroQ-DsRed, MIGR1, MSCV-pBabeMCS-IRES-RFP, MSCV-IRES-GFP, pQCXIP

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
omental mesothelial cells	No
colorectal cancer	Yes
vascular endothelial cells	No
293T embryonic kidney	No
ovarian epithelium	Yes
kidney cancer	No
liver cancer	No
ovarian cancer	Yes
endometrial cancer	No
lung cancer	No
cervical cancer	No
peritoneal fibroblasts	No
peritoneal macrophages	No
colorectal cancer	No
prostate cancer	No
ovarian cancer	Yes
adipose mesenchymal stem cells	No
breast cancer	No
vascular endothelial cells	No
embryonic kidney	No
fallopian tube epithelial cells	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	22	0	0	0

Investigator : Luigi Perelli
Document No. : RM00008252-RN00_AM2
NIH Guidelines Category :
Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pCDNA	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pSICO, pHAGE
Adeno-associated virus	Yes	pEMS2158

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
iPSC	Yes
293 T helper cells	No
Kidney cancer cells	No
Brain cancer cells	No

Microbial Agents

Name	Administered to Animals in Vivo
E. Coli [BL21, BL21star, BL-21 (A-1), HMS 174, Rosetta, and similar commercial strains]	No
Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

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

Investigator : Andrea Viale
Document No. : RM00003630-RN01_AM4
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

Non Viral Systems

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

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	Yes	pLenti 4, pLenti 6, pLenti 6.3; pLKO.1;pHAGE; pFUGW based; pCDH; pLKO; pRSl17; pLentiCMV; pRS116; other vectors for shRNA library expression, pScribe5-EFS-Venus-2A-Puro-bc-3LTR
Retrovirus	No	pBABE; MSCV; pMKO.1; pCL; pHIT60, VSV.g; pSUPER; pCLAmpho
Adenovirus	No	Ad5CMVCre-eGFP
AAV (Adeno-associated virus)	Yes	pSFTPC-CRE-bGHpA, pMIST1-CRE-bGHpA, pLGR5-CRE-bGHpA, pALB-CRE-bGHpA, pPAX8-CRE-bGHpA, pKRT8-CRE-bGHpA

Cell Lines

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

Microbial Agents

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

Biosafety Level : BSL2

Meeting Notes : Personnel changes only.

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

Investigator : Shilpa S. Dhar

Document No. : RM00007809-RN00_AM2

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
5XUAS-luciferase plasmid	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	CRISPR/Cas9
lentiCRISPR v2	No	lentiCRISPR v2
pLVXT Sox4	No	pLVXT Sox4
Lentivirus	No	pCMV.Dr8.2
Lentivirus	No	pCMV-VSV.G

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
esophageal adenocarcinoma cell	No
Trim28 overexpression ascites cell line	Yes
KRAB peptide overexpression ascites cell line	Yes
AGS (ATCC human Gastric Adenocarcinoma cell line)	Yes
SK-GT-5 (human Gastric Adenocarcinoma cell line)	Yes
Mouse gastric organoid line KP (KrasG12D; Trp53Δ/Δ)	Yes
Mouse gastric organoid line EKP (Cdh1 KO; KrasG12D; Trp53Δ/Δ)	Yes
Mouse gastric organoid lines (WT)	Yes
Mouse gastric organoid line E (Cdh1 KO)	Yes
Mouse gastric organoid lines P (Trp53Δ/Δ)	Yes
Mouse gastric organoid lines EP (Cdh1 KO; Trp53Δ/Δ)	Yes
ascites cell line	Yes
esophageal adenocarcinoma cell line	Yes
293T (ATCC human embryonic kidney cell line)	No
Trim28 Knock ascites cell line	Yes

Microbial Agents

Name	Administered to Animals in Vivo
Stabl3 (E.coli)	No

Biosafety Level : BSL2

Meeting Notes : Personnel changes only.

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

Investigator : Junjie Chen

Document No. : RM00000599-RN02_AM6

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
pDonR_201-LHPP	No
Myc-RNF8	No
pBluescript	No
SAGE1new N-SFB	No
HA-53BP1	No
pDonR_201-Fadd KRK/AAA	No
pDonR_201-LKB1	No
pcDNA6B-nCoV-nsp4-FLAG	No
CtIP NKI Puro BioID2 3HA	No
pENTR221_TP53 V272M w stop	No
ESCO1 pDonor 201	No
BRCA2 CKI mAID EGFP	No
pDonR_201-RNaseIII	No
GST-TRF2	No
GST-TRF1	No
pcDNA6B-ACE2-FLAG	No
HDAC6-SBP	No
ATM NKI Puro SFB	No
pENTR221_PTEN	No
BRCA1 NKI BSD mAID EGFP	No
BRCA1 NKI BSD dTAG	No
pcDNA68-SARS-nsp2-FLAG	No
pDonR_221_INPPL1	No
DMC1#1 Donor	No
SFB-FANCI	No
PALB2 NKI g1 PITCH	No
HDAC6-SBP	No
SAGE1 1-650 N-SFB	No
SMCHD1 N-SFB	No
BLM 201 have stop	No
SMCHD1 ATPase 201	No
RAD50 NKI g3 PX330	No
mTOR NKI Puro SFB	No
pDonR_201-RNASEH1	No
pcDNA6B-SARS-nsp5-FLAG	No
TIN2 201 no stop	No
pcDNA6B-nCoV-nsp11-FLAG	No
MCS-Myc	No
pcDNA6B-SARS-S-FLAG	No
DNAPK NKI g2 PX330	No
pcDNA6B-SARS-orf7b-FLAG	No
pcDNA6B-SARS-N-FLAG	No
TPP1 E2 201	No
pcDNA6B-nCoV-nsp15-FLAG	No
GFP-RNF8	No
ESCO1-Myc	No
pcDNA6B-SARS-nsp15-FLAG	No
Myc-BRCA1	No
pcDNA6B-nCoV-nsp3C-FLAG	No
RAP1 201 have stop	No
pcDNA6B-SARS-nsp11-FLAG	No
pDonR_201-human-cGAS	No
HsCD00438007-WAPAL	No
pcDNA6B-SARS-orf6-FLAG	No
pDonR_201-CDC25C WT	No
TRF2 N-SFB	No
TPP1 N-SFB	No
pUC19-STING-NKI-G418-mCherry	No
TRF1 201 no stop	No
pENTR221_TP53 R175H w stop	No
SFB-MDC1	No
ESCO1 N-SFB	No
PUC19 24*flag	No
pcDNA6B-SARS-orf8a-FLAG	No
pDonR_201-tRFP657	No
SFB-BRCA2	No
pDonR_201-Fadd gRNA#2-res	No
pcDNA6B-SARS-nsp3C-FLAG	No
BRCA2 CKI g1 pITCH	No
pcDNA6B-SARS-nsp16-FLAG	No
pDonR_201-RNASEH2A	No
pcDNA6B-nCoV-orf14-FLAG	No

Non Viral Systems	
TIN2 N-SFB	No
pcDNA6B-SARS-orf3b-FLAG	No
SFB-BARD1	No
pcDNA6B-SARS-orf3a-FLAG	No
pcDNA6B-SARS-orf8b-FLAG	No
RIF1 NKI Puro SFB	No
ESCO2 ΔZF N-SFB	No
pcDNA6B-nCoV-nsp13-FLAG	No
TRF2 g2 Hygro	No
pX330-NKI-STING-sgRNA#1	No
pX330-STING-NKI-sgRNA#3	No
RIF1 NKI g3 PITCH	No
HsCD00938170-RHNO1	No
POT1 201	No
pDonR_201-CDC25C WT	No
pDonR_201-STING-S366A	No
RPA3 201	No
pDonR_201-MAVS-C	No
pcDNA6B-nCoV-nsp12-FLAG	No
pZATT isoform	No
53BP1 FL 201	No
pDonR_201-CDC25A	No
POT1 N-SFB	No
RPA2 201	No
STING-NKI-BSD-eGFP	No
TRF2 g1 BSD	No
ESCO2 201	No
pZATT delta	No
ESCO2 1-415 N-SFB	No
SFB-RPA3	No
pcDNA68-nCoV-orf7b-FLAG	No
USP37 WT N-SFB	No
pDonR221_PRKAR1A	No
pcDNA6B-nCoV-nsp9-FLAG	No
pcDNA6B-SARS-nsp 10-FLAG	No
pcDNA68-nCoV-N-FLAG	No
pcDNA6B-nCoV-orf6-FLAG	No
hSMCHD1 sis1re pENTER	No
pDonR_201-CDC25C S216A	No
pcDNA6B-SARS-nsp12-FLAG	No
pcDNA6B-nCoV-nsp5-FLAG	No
SMCΔATPase201	No
pcDNA6B-nCoV-orf9a-FLAG	No
pDonR_201-pVHL 160	No
N-SFB PCNA	No
RAD50 NKI Puro SFB	No
RNaseH1 FL 201	No
pCRIS-PITChv2-dTAG-BSD	No
pDonR_201-LaminB1	No
CtIP NKI g2 PITCH	No
pDONOr221 EXO1	No
pcDNA6B-nCoV-nsp7-FLAG	No
pDonR_201-pVHL 172	No
USP37 WT Myc	No
pENTR221_NFE2L2 w stop	No
SFB-USP3	No
SMC Hinge R1867G enter	No
pcDNA6B-SARS-nsp3n-FLAG	No
SFB-53BP1	No
GFP-RNF-168	No
NBS1 NKI g2 PX330	No
pDonR_201-RNASEH2C	No
ESCO2 416-601 N-SFB	No
NBS1 NKI Puro SFB	No
pCRIS-PITChv2-BSD-dTAG	No
PCNA-GST	No
RAD51D #1 Donor	No
pDonR_201-N-MAVS	No
SFB-RPA1	No
pcDNA6B-SARS-nsp8-FLAG	No
SFB BRCA1#80	No
pcDNA6B-SARS-nsp 7-FLAG	No
pENTR221_TP53 w stop	No
SFB-BRCA1	No
pcDNA6B-nCoV-nsp14-FLAG	No
XRCC2#1 Donor	No
pcDNA6B-SARS-nsp13-FLAG	No
SAMHD1-SFB	No
pDonR_201-MDA5-WT	No
DNAPK NKI Puro SFB	No
ESCO2 SFB	No

Non Viral Systems	
pcDNA3	No
pcDNA6B-SARS-nsp9-FLAG	No
CtIP NKI Puro SFB	No
SFB-53BP1	No
sh53BP1	No
shRNA168	No
BRCA2 201 from BRCA2 SFB	No
pDonR_201-Fadd	No
TRF1 N-SFB	No
pcDNA6B-nCoV-nsp6-FLAG	No
pDonR_201-STING-WT	No
SFB-RNF8	No
pcDNA68-SARS-E-FLAG	No
pcDNA6B-nCoV-S-FLAG	No
Trans SNIP B7H3 BBz (8/8) with 4B-5A site	No
pDonR_201-BAP1	No
Cas9	No
Mre11 NKI g2 PX330	No
SFB-KIAA0157	No
TRF2 201	No
RAP1 N-SFB	No
pcDNA6B-nCoV-E-FLAG	No
USP37 C350S N-SFB	No
pENTR221_KEAP1 w stop	No
pcDNA6B-nCoV-nsp2-FLAG	No
pDonR_201-mouse-cGAS	No
pDonR_201-MDA5-WT-gRNA#1-Res	No
SFB-RPA2	No
RPA1 201	No
pDonR_201-STING-S366A/N154S	No
pcDNA6B-SARS-nsp6-FLAG	No
53BP1 CKI BioID2 3HA	No
pcDNA68-SARS-nsp1-FLAG	No
shRNF8	No
shBRCA1	No
dTAGV-1	No
pDEST, pDEST15, pDEST20	No
53BP1 CKI SFB puro	No
pcDNA6B-nCoV-nsp3n-FLAG	No
BRCA1 NKI g1 PITCH	No
Myc-RNF168	No
pcDNA6B-SARS-M-FLAG	No
SFB-EXO1	No
12*flag PUC19	No
pEGFP-C1	No
pCDNA-miRFP670nano3_BsmBI_Mutated	No
pDonR_201-VHL	No
BRCA1 NKI g1 PX330A	No
ESCO2 ΔAcetyl N-SFB	No
HLTF myc	No
pcDNA68-nCoV-orf8-FLAG	No
SMCΔHinge201	No
dTAGV-1-NEG	No
pDonR_201-GFP	No
pDonR_201-CHEK1 WT	No
pDonR_201-Fadd S191A gRNA#2-res	No
SFB-CtIP	No
pcDNA68-nCoV-orf3-FLAG	No
pcDNA6B-nCoV-nsp8-FLAG	No
pcDNA6B-nCoV-M-FLAG	No
pCMV5-HA Capicua	No
SFB SNM1L FL	No
pcDNA6B-SARS-orf7a-FLAG	No
pDonR_223-TBK1	No
pcDNA6B-SARS-nsp14-FLAG	No
SFB-MERIT40	No
pcDNA6B-nCoV-nsp16-FLAG	No
pcDNA6B-nCoV-nsp1-FLAG	No
SMCHD1 FL R1867G 201	No
pDonR_223-SAMHD1	No
IFNb-luciferase	No
REV7 pDONOR	No
pcDNA6B-nCoV-nsp10-FLAG	No
USP37 C350S Myc	No
pDonR_201-miRFP670nano3	No
HLTF Enter 223	No
pDonR_201-Fadd S191D gRNA#2-res	No
pDonR_201-mCherry	No
pDonR_201-RNASEH2B	No
pcDNA6B-nCoV-orf7a-FLAG	No
SFB-DCLRE1A	No

Non Viral Systems	
Myc-BARD1	No
pDonR_201-STING-N154S	No
pcDNA6B-SARS-orf9a-FLAG	No
Puro-dTAG	No
PX330 A+	No
pDONER-RPA2-WT-N	No
Do-PCNAcki-dTAG#1	No
Do-PCNAcki-dTAG-w/o mCherry	No
pDONR201-SPRTN	No
PX330-MCM2-g6	No
pDONR-C21orf59	No
SFB(C)-C21orf59	No
Do-PCNAcki-dTAG-wlinker-mCherry	No
SFB(N)-C21orf59	No
PX330-RPA2-g6	No
SFB-PCNA	No
Do-PCNAcki-w/oLin-dTAG	No
503TK3	No
Do-RPA1cki-dTAG	No
SFB-SPRTN-E112A	No
Do-RPA2cki-dTAG+g5/6	No
Do-RPA2cki-dTAG-mCherry	No
504TK3	No
tFucci(CA)5	No
PX330-SPRcki-g6	No
506TK3	No
PX458 A+	No
Do#2-B1nki-dTAG(W/O Mu)	No
tFucci(SA)5	No
Do-RPA2cki-dTAGpuro	No
PX458-MCM2-g6	No
TKOV3-Dan	No
Do-SPRcki-dTAG	No
TV3-Min	No
507TK3	No
Do#2-GNB1Lcki-dTAG(+g7)	No
Do-SPRTN-NKI-SFB-w/o puro	No
Do#2-SPRcki-dTAG	No
Do#3(Mu)-B1nki-dTAG	No
701TK3	No
dTAG-BSD	No
Do#3-B1nki-dTAG(Mu)	No
dTAG-cki(template)	No
PX458-PCNAcki-g7	No
dTAG-nki(template)	No
PX458-RPA2cki-g6	No
702TK3	No
pDONR-Nki-BRCA1-dTAG	No
Do#3-BRCA1nki-dTAG	No
PX459	No
PX459-MCM10-g5	No
dTAG-Puro	No
Do#3-PCNAcki-dTAG	No
703TK3	No
PX459-B1nki-g1-1	No
H2B-GFP	No
704TK3	No
PX459-MCM10-g7	No
PX459-BRCA1nki-gRNA1-4	No
705TK3	No
PX459-BRCA1nki-gRNA1-1	No
Do-GINS4cki-dTAG	No
PX459-PCNAcki-g6	No
Do#4-BRCA1nki-dTAG	No
PX459-PCNAcki-g7	No
PX459-BRCA1nki-gRNA1-2	No
pDONR-C21orf59	No
Do#5-BRCA1nki-dTAG	No
Do-GNB1Lcki-2+g7	No
706TK3	No
PX459-BRCA1nki-gRNA1-3	No
PX459-RPA1cki-g6	No
Do-GNB1Lcki-3+g4	No
PX459-C21ORF59-g4	No
Do#6-BRCA1nki-dTAG	No
Do-M2cki-dTAG-mCherry	No
PMD2G	No
707TK3	No
PX459-CDC45-g9	No
H2B-mCherry	No
PX459-RPA1-g5	No

Non Viral Systems

Do#7-BRCA1nki-dTAG	No
708TK3	No
PX459-DONSONcki-g1	No
PX459-RPA2-g6	No
Do#9-SPRcki-dTAG	No
PPAX2	No
Do-MCM10cki-dTAG-BSD	No
501TK3	No
PX459-DONSONcki-g2	No
OuterFTK3	No
PX459-SPRcki-g5-1	No
Do-B1nki-dTAG#2-No mutation	No
Do-MCM2cki-dTAG	No
Amp-C-SFB	No
PX459-DONSONcki-g3	No
PX459-SPRcki-g6-1	No
OuterRTK3	No
PX459-DONSONcki-g4	No
PX459-SPRcki-gRNA9-1	No
Do-BRCA1-NKI-2HA-dTAG	No
Do-MCM2cki-dTAG-mCherry	No
BRCA1-SFB-GFP	No
PX459-DONSONcki-g5	No
PX459-SPRcki-gRNA9-2	No
502TK3	No
Do-C21ORF59cki-dTAG	No
BSD-dTAG	No
PX459-GINS4-g8	No
p2/2	No
Do-CDC45cki-dTAG	No
BWG	No
p201	No
PX459-SPRnki-gRNA3	No
PX459-GINS4-g8	No
pAdF6	No
pAAV-EF1a	No
PX459-SPRTN-Ex5-g2	No
PX459-GNB1Lcki-g7	No
pUC19	No
BWG pool	No
pCap6	No
RFP-luciferase	No
Donor-PCNAcki-dTAG-long	No
PX459-SPRTN-L17	No
DDR	No
pDEST-SFB-N 200ng	No
Donor-SPRcki-SFB-4	No
Do#1-PCNAcki-dTAG	No
PX459-SPRTN-L19	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pInducer20
Lentivirus	No	pLenti6.2
Lentivirus	No	pLenti
Lentivirus	No	mTKO
Lentivirus	No	McspKO
Lentivirus	No	loxIICD
Lentivirus	No	loxDDR
Lentivirus	No	mPIM
Lentivirus	No	mDDR
Lentivirus	No	iCas9
Lentivirus	No	In4mer
Lentivirus	No	pLentiCRISPR
Lentivirus	No	hDDR
Lentivirus	No	pLX301, pLX302, pLX303, pLX304
Lentivirus	No	TKOv3
Lentivirus	No	plex_307, pLEX_307-RAD54L2-WT-SFB, pLEX_307-RAD54L2-K310A-SFB, RAD54L2-SFB deletion variants
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	pLenti-CMV-Puro
Lentivirus	No	AAV
Lentivirus	No	3X FLAG-TOP2A, 3X FLAG-TOP2B

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Breast cells (EMT6)	No
Breast, Mammary Gland Cells (4T1)	No
Lymphoblast	No
Mouse Fibroblast (breast & other cancers)	No
Cervical Cancer	No
Lung Cancer	No
Colon Cancer Cells (MC38)	No
Liver Cancer Cell line Huh-7	No
Embryonic Kidney Cells (BOSC23)	No
Breast Cancer	No
Retina Epithelial Cells immortalized with hTERT	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)	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	22	0	0	0

Investigator : Yuan-Hung Lo

Document No. : RM00006435-RN00_AM7

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
Transposon plasmid	No
pCDNA3.1	No
Helper PBase plasmid	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pCMV-VSVG
Lentivirus	No	pLenti CMV rtTA3 Blast (w756-1)
Lentivirus	No	pMK1334
Lentivirus	No	pHR-SFFV-KRAB-dCas9-P2A-mCherry
Lentivirus	No	LentiCas9-Blast
Lentivirus	No	LentiGuide-Puro
Lentivirus	No	psPAX2

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Normal Intestinal Epithelium	No
L-WRN	No
293FT	No
Colorectal Cancer	No
HEK293T	No
Gastric Cancer	No
Normal Gastric Epithelium	No
Gastric Organoids	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E. coli. DH5-alpha	No
E. coli. STBL3	No

Biosafety Level : BSL2

Meeting Notes : Personnel changes only.

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

Investigator : John Paul Shen

Document No. : RM00006505-RN00_AM6

NIH Guidelines Category :

Agents :

Non Viral Systems

Technical Name	Is Whole Animal Used as Host
PX260	No

Non Viral Systems

PX330	No

Viral Systems

Virus System	Virus Administered to Animals	Backbones
Lentivirus	No	pCMVR8
Lentivirus VB191022-1024bat_R201C	No	pCMVR8
Lentivirus VB191022-1021hcf_WT	No	pCMVR8
Lentivirus VB191022-1023nbd_R201H	No	pCMVR8
Lentivirus VB161122-1052kwm	No	pCMVR8

Cell Lines

Cell Line	Cell Lines Administered to Animals in Vivo
Peritoneal mesotherioma	Yes
SW620 colorectal cancer cells	Yes
Patient-derived colorectal cancer cells	Yes
Lung cancer	No
Colorectal cancer cells CRCPDO	Yes
SW837 colorectal cancer cells	Yes
PMCA-3 appendiceal adenocarcinoma cells	Yes
HEK293 human epithelial cells	No
KM12 colorectal cancer cells	Yes
KPC-GNAS pancreatic cells	Yes
Patient-derived appendix cancer cells	Yes
LS174T colorectal cells	Yes
TM00351 appendiceal cancer cells	Yes
T84 colorectal cancer cells	Yes
Mouse GI cancer cells	Yes
SW1463 colorectal cancer cells	Yes
C479T mouse pancreas cells	Yes
SNU175 colorectal cancer cells	Yes
PMP-2 appendiceal adenocarcinoma cells	Yes
HCT116 colorectal cancer cells	Yes
SW480 colorectal cancer cells	Yes
SKCO1 colorectal cancer cells	Yes
G005T mouse pancreas cells	Yes
Appendix cancer cells AAPDO	Yes
cdx2-cre;KrasG12D;GnasR201C organoids	Yes

Microbial Agents

Name	Administered to Animals in Vivo
E. coli DH5α	No

Biosafety Level :	BSL2
Meeting Notes :	Personnel changes only.

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

Investigator :	Juan Fueyo-Margareto
Document No. :	RM00000224-RN02_AM7
NIH Guidelines Category :	
Agents :	

Viral Systems

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

Cell Lines

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

Microbial Agents

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

Biosafety Level :	BSL2

Meeting Notes :	Personnel changes only.

9. ANNUAL REVIEWS

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

Investigator :	Michael Green
Document No. :	RM00003273-RN01_AR002
Investigator :	Eleonora Dondossola
Document No. :	RM00005923-RN00_AR003
Investigator :	Sue-Hwa Lin
Document No. :	RM00000493-RN02_AR003
Investigator :	Aria Vaishnavi
Document No. :	RM00006133-RN00_AR003
Investigator :	Huamin Wang
Document No. :	RM00000570-RN02_AR004
Investigator :	Lauren Averett Byers
Document No. :	RM00000193-RN02_AR001
Investigator :	Edwin Justin Ostrin
Document No. :	RM00005955-RN00_AR003
Investigator :	Chitra Hosing
Document No. :	RM00005457-RN00_AR004
Investigator :	Sadhan Majumder
Document No. :	RM00005299-RN00_AR004
Investigator :	Vivian Jiang
Document No. :	RM00004099-RN01_AR001
Investigator :	Neeta Somaiah
Document No. :	RM00007730-RN00_AR001
Investigator :	Wen Jiang
Document No. :	RM00006090-RN00_AR003
Investigator :	Pavan Bachireddy
Document No. :	RM00005242-RN00_AR004
Investigator :	Richard Eric Davis
Document No. :	RM00003778-RN01_AR001
Investigator :	Richard Gorlick
Document No. :	TA00003947-RN01_AR001
Investigator :	Edwin Justin Ostrin
Document No. :	RM00006749-RN00_AR002
Investigator :	Rodabe N Amaria
Document No. :	RM00007719-RN00_AR001
Investigator :	Ellen R Richie
Document No. :	TA00001983-RN01_AR004
Investigator :	Jason Westin
Document No. :	RM00005979-RN00_AR003
Investigator :	Sarina Anne Piha-Paul
Document No. :	RM00005989-RN00_AR003
Investigator :	Michael James Overman
Document No. :	RM00003967-RN01_AR001
Investigator :	Michael Green
Document No. :	RM00005425-RN00_AR004
Investigator :	G. Traver Hart
Document No. :	RM00001583-RN01_AR004
Investigator :	Maura Gillison
Document No. :	RM00002684-RN01_AR003
Investigator :	Dihua Yu
Document No. :	RM00000653-RN02_AR003
Investigator :	Timothy Yap
Document No. :	RM00005474-RN00_AR004
Investigator :	Shiaw-Yih Lin
Document No. :	RM00000658-RN02_AR001
Investigator :	Patrick P Lin
Document No. :	RM00000642-RN02_AR001
Investigator :	Subrata Sen
Document No. :	RM00000133-RN02_AR004
Investigator :	Pramod N Nehete
Document No. :	RM00003371-RN01_AR002
Investigator :	Min Gyu Lee
Document No. :	TA00006153-RN00_AR003
Investigator :	Pawel Mazur
Document No. :	RM00002017-RN01_AR004

Investigator :	Luhua Wang
Document No. :	RM00005459-RN00_AR004

Investigator :	May Daher
Document No. :	RM00006243-RN00_AR002

Investigator :	Farhad R. Danesh
Document No. :	RM00001869-RN01_AR004

10. TERMINATIONS

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

Investigator :	Patrick M Dougherty
Document No. :	RM00004692-RN00

Investigator :	Ann M Killary
Document No. :	RM00000211-RN02

Investigator :	Joe Simmons
Document No. :	RM00002718-RN01

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	Description
Introduction of New IBC Members	
Community Member Attendance	Manu Banadakoppa was not in attendance, Arlisa Edwards-Benford was present and counted among the votes.

15. ADJOURNMENT