

Biosafety Application

Unique ID:	150283					
Project Number		15 - 7483		Date S	Submitted	10/20/2015
Principal Investigator		Rasmussen, Robert A.,Ph.D.;			3 / 🕦	
Additional Investigators					& / 💷	
Project Title		Blank application		,		
Anticipated Start	ing Date	10/20/2015				
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begin/continue	e the approv	val process.				
outside laypeopl	e and commi	unity members on c		ol Committee. The	refore, this d	regulations, we have lescription should be eral public.
This is the box you	u complete des	scribing your work in	layman's terms			
Biosafety Regis Recomb	oinant or synt	•	nodified virus or vec	tor derived solely b	by synthetic to	echniques) nucleic
		ın primate (NHP) bl	lood or unfixed tissu	ie		
			nogens (do not chec netic nucleic acid m		gents used i	າ your work only
I. Recombina	nt or Synthe	etic Nucleic Acid	l Molecules - Exp	eriment 1		
	ng of plasmid		can range from the s vector generation +			NA to an experimental of animals with the
For each type of	planned exp	erimental system c	complete both A) Co	mponent Descripti	on and B) Na	arrative Description
A) Component	description o	of Recombinant or	Synthetic Nucleic	Acid Molecule wo	rk	
1) Source of DN breast tumor cel		e original source o	of the genetic seque	nce(s) or transgene	e(s), e.g. cDN	IA from a human
2) Specific funct known):	ion of genetic	c sequence(s) or tra	ansgene(s), e.g. ond	cogene, tumor supp	oressor, siRN	IA (with gene target, if
0)) ()	(-) ((((()			dant ata	

3) Vector name(s) and type(s), e.g. plasmid, adenovirus, retrovirus, lentivirus. If a retroviral vector will be used, indicate if it is ecotropic or amphotropic. For lentiviral vectors, include the names of the transfer plasmid, the envelope plasmid (including the *env* gene origin, e.g. VSV-G protein), and all packaging plasmids used for construction:

should include: 1 - E. coli for plasmid prepa rector, 3 – human primary carcinoma cells renotransplantation of transduced cells.		n, 4 – mouse fat pad for
5) Is volume of preparation large scale i.e.	>10 liters? Yes No	
s) Proposed containment level:		
BL1 BL2 BL2len	ti 🗌 BL2+	
B) Narrative Description of Recombinant Check any Recombinant or Synthetic Nucle	-	
Cell Sorting Centrifugation	☐ Tissue Homogenization ☐ S	Sonication
Check if Recombinant or Synthetic Nuc	cleic Acid Molecule work will involve anim	als.
(link for ARF Policy on using viral vectors in	n rodents)	
Please include in description:		
 Nature and purpose of research using re For any viral vectors, indicate if it is replicated to the performed (link) Outline of procedures and techniques to 	cation-competent; if replication incompeter for BCC policy on RCV testing).	nt viral vectors are involved, descr
Mill you require the removal of lentivirus tra	aneduced cells from a PL 2lenti facility hefe	are the regults of PCC required
		ore the results of BCC-required
Will you require the removal of lentivirus-tra replication competent virus tests are availal Yes No Not Applicab	ble?	ore the results of BCC-required
eplication competent virus tests are availal Yes No Not Applicab	ble?	ore the results of BCC-required
eplication competent virus tests are availal Yes No Not Applicab	ble?	ore the results of BCC-required Room
eplication competent virus tests are availal Yes No Not Applicab Location of Recombinant or Synthetic Nu	ble? ole ocleic Acid Molecule Work:	
eplication competent virus tests are availal Yes No Not Applicab Cocation of Recombinant or Synthetic Nu	ble? ole ocleic Acid Molecule Work: Building	
eplication competent virus tests are availal Yes No Not Applicab Location of Recombinant or Synthetic Nu Rooms where BL1 work will be done Rooms where BL2 work will be done	ble? ole ocleic Acid Molecule Work: Building	
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replication competent virus tests are availal	ble? cleic Acid Molecule Work: Building	
Personnel Yes No Not Applicable Not	ble? cleic Acid Molecule Work: Building	Room
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eplication competent virus tests are available Yes No Not Applicable Cocation of Recombinant or Synthetic Nucleon Rooms where BL1 work will be done Rooms where BL2 work will be done Rooms where BL2+ work will be done Rooms where BL2lenti work will be done	ed with this work? ental components may be potentially haza	Room Position No

			engaged in
Add Experiment			
I. Human or Non-Human Primate Blood	or Unfixed Tissues		
Will animal work be done using primaryhuman ink to Use of Human Materials in Rodents	blood or tissues?	′es No	
Check anyHuman or non-human primate (NHF	P) blood or unfixed tissue work proced	ures that might cre	ate aerosols:
Cell Sorting Centrifugation	☐ Tissue Homogenization ☐ S	Sonication	
Description of Human or Non-Human Primate lesearch, the type of sample and source of hur pe provided in (e.g. apheresis collar link to Colvacutainer Cap Removal SOP, other container link to OSHA DFCI Bloodborne Pathogen Exp	nan or non-human primate blood or tis lecting Lymphocytes from Apheresis C r), how the material will be handled an	sue, what containe Collar SOP, Vacuta d manipulated.	er the material
ocation of Human or Non-Human Primate B	Blood or Unfixed Tissues: Building	Ro	om
Rooms where BL2 work will be done	▼		
Rooms where BL2+ work will be done			
coms where BL2lenti work will be done lon-D.F.C.I. Locations, e.g. Harvard Robotics	V		
Personnel Full Name		Position	
Incortitom			
I IIISCICICIII			
Risk Assessment for Researchers) Are staff informed of appropriate prompt exp	osure reporting procedures?		Yes
Risk Assessment for Researchers) Are staff informed of appropriate prompt expink to DFCI Exposure Card		exposure	
Risk Assessment for Researchers) Are staff informed of appropriate prompt expink to DFCI Exposure Card 2) Are staff using human blood or tissues inform	med that Hepatitis B vaccine and post-		Yes Yes
Risk Assessment for Researchers 1) Are staff informed of appropriate prompt exp. 2) Are staff using human blood or tissues inform prophylaxis treatment for Hepatitis B and C are staff using non-human primate blood or for Macacine Herpesvirus1 (Herpes B) is available.	med that Hepatitis B vaccine and post- e available through Occupational Heal tissues aware that post-exposure prop	th?	
Risk Assessment for Researchers 1) Are staff informed of appropriate prompt exp. 2) Are staff using human blood or tissues informorphylaxis treatment for Hepatitis B and C are staff using non-human primate blood or for Macacine Herpesvirus1 (Herpes B) is available attp://www.cdc.gov/herpesbvirus/ 2) Do you recommend any other particular hea	med that Hepatitis B vaccine and post- e available through Occupational Healt tissues aware that post-exposure prop able through Occupational Health?	th? ohylaxis	Yes Yes
Risk Assessment for Researchers) Are staff informed of appropriate prompt exp. ink to DFCI Exposure Card 2) Are staff using human blood or tissues inform prophylaxis treatment for Hepatitis B and C are staff using non-human primate blood or or Macacine Herpesvirus1 (Herpes B) is available attp://www.cdc.gov/herpesbvirus/ 2) Do you recommend any other particular hea	med that Hepatitis B vaccine and post- e available through Occupational Healt tissues aware that post-exposure prop able through Occupational Health?	th? ohylaxis	Yes Yes
Risk Assessment for Researchers) Are staff informed of appropriate prompt expink to DFCI Exposure Card 2) Are staff using human blood or tissues informorphylaxis treatment for Hepatitis B and C are 3) Are staff using non-human primate blood or or Macacine Herpesvirus1 (Herpes B) is available ttp://www.cdc.gov/herpesbvirus/ 3) Do you recommend any other particular head is work? Add Experiment	med that Hepatitis B vaccine and post- e available through Occupational Healt tissues aware that post-exposure prop able through Occupational Health?	th? ohylaxis	Yes Yes
Risk Assessment for Researchers 1) Are staff informed of appropriate prompt exp. Link to DFCI Exposure Card 2) Are staff using human blood or tissues inform prophylaxis treatment for Hepatitis B and C are staff using non-human primate blood or for Macacine Herpesvirus1 (Herpes B) is available to the common of the common	med that Hepatitis B vaccine and post- e available through Occupational Healt tissues aware that post-exposure prop able through Occupational Health?	th? ohylaxis	Yes Yes
Risk Assessment for Researchers 1) Are staff informed of appropriate prompt exp. Link to DFCI Exposure Card 2) Are staff using human blood or tissues informorophylaxis treatment for Hepatitis B and C are staff using non-human primate blood or or Macacine Herpesvirus1 (Herpes B) is availanttp://www.cdc.gov/herpesbvirus/ 1) Do you recommend any other particular heathis work? 1 Add Experiment 1 Add Experiment 1 III. Infectious Agent(s)/Non-Recombinant infectious agent Infectious agent source	med that Hepatitis B vaccine and post- e available through Occupational Healt tissues aware that post-exposure prop able through Occupational Health?	th? ohylaxis	Yes Yes

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Public Health	
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Principal Investigator Protocol Safety Assurance Statement

I attest that the information in this registration is accurate and complete. All research personnel are familiar with and understand the potential biohazards, as well as the required safety practices and emergency procedures.

I agree to:

- 1. accept responsibility for training and supervision of all laboratory workers involved in the project
- 2. require reporting of exposures to biological materials to Occupational Health Services (2-3016; 4-STIK beeper off-hours)
- 3. conduct research in compliance with applicable federal, state, and local regulations and Institute policies listed in the biosafety manual
- 4. consult the Biosafety office (617-632-3005 or DFCIBSaf@partners.org) on questions related to regulatory compliance
- 5. report spills, losses, or theft of biological materials to the Biosafety Office.

Attestation	Rasmussen, Robert A., Ph.D.; 4 10/20/2015
	I attest that the information contained in this form is accurate to the best of my knowledge
Is this protocol now ina	ctive? Yes No
Approvals	
BCC Reviewed and Acce	pted
BCC-Sanctioned Special Conditions	
	Submit Close