Biological Agent Registration Application

This application must be completed by the Principal Investigator (PI) and must be approved by the Biological Safety Officer (BSO) and/or the Institutional Biosafety Committee (IBC) prior to acquiring biological materials.

For information, registration process or assistance with this form, please contact BSO, Melina Kinsey at Melina.Kinsey@ucf.edu or 407-823-1526

Protocol Title:				
Grant Title(s) if A	Applicable (may be sam	e as the Protocol t	itle as abov	<u>e)</u> .
Type of Protocol:	New	Amendment	Resubn	nission
For resubmissions	, enter IBC #:			
Resubmissions are	required every three (3)	years.		
For amendments, o	onton IDC #1			
•	<u>-</u>	 s reauire amendmes	nts to existin	g IBC protocols: addition
v	or, use of primary human			~ 1
•	Froup 2 or Risk Group 3)	-		·
	work, addition of in vivo		O	<i>,,</i>
Summary of Cha	nge(s):			
Indicated in	Section III B1 #	Section	III B2	Section III B3
	Section III B4	Section	n III B5	Section III B6
	Section III B7			

1

Phone:	Citle:			S
		Office room # _	Lab roo	m #
[aho		Email:		
Labo	ratory Description			
Biosa	fety Level Proposed:	Exempt	BSL-1	ABSL-
			BSL-2	ABSL-
			BSL-3	ABSL-
Indica	ate building and room where the	e work will be perfor	med:	
Buildi	ing: Room(s):		
Biosa	fety Cabinet Required:		Yes	No
	If yes, BSC is currently certification	ied:	Yes	No
	arch Description (select all tha			
A.	Briefly describe (1-2 paragrapherms. Include (a) summary, (work. Please avoid use of actions)	(b) research goal(s)) a	nd (c) importance	

B.

1.

Research desc	cription and goals, cont'd.		
In Production			
_	gory of material(s) used in the project tor synthetic DNA/RNA	Yes	No
Kecomoman	t of Synthetic DNA/KNA	1 65	NO
	IH Guidelines for Research Involvin Molecules (NIH Guidelines	g Recombinant or Sy	ynthetic
	nih.gov/sites/default/files/NIH_Guide effer to the specific section of the Guide an be found.	 	
a.	Deliberate transfer of a drug resist are not known to acquire the trait of compromise the use of the drug to veterinary medicine or agriculture	naturally; such acqui control disease in h	sition could
	Example: Transfer of Erythromycin		a burgdorferi. No
b.	Experiments involving cloning of to than 100 ng/kg body weight. (III-	B)	
	Example: Cloning toxin genes (or usin encode toxins with low LD ₅₀) for the b as botulinum toxin, tetanus toxin, diphrneurotoxin).	iosynthesis of microbi	al toxins such
c.	Human gene transfer experiments (III-C)	

d.

Experiments involving the introduction of rDNA or synthetic nucleic acid molecules into human and animals Risk Group 2 (RG2) or Risk

e.

f.

i.

j.

k.

Group 3 (RG3) agents. (III-D-1) (An abbreviated list found in **Appendix B** of the *NIH Guidelines* (http://osp.od.nih.gov/sites/default/files/NIH_Guidelines.html#_Toc351276 **291))** Yes No Experiments in which DNA from human and animal RG2 and RG3 agents is cloned into nonpathogenic prokaryotes or lower eukaryotic host-vector systems. (III-D-2) Yes No Experiments involving the use of infectious DNA/RNA Viruses **OR** Defective DNA/RNA viruses in the presence of helper virus in tissue culture systems. (III-D-3) **Example:** viral vectors including lentivirus, adenovirus, baculovirus in tissue culture. No Yes Experiments involving whole animals. (III-D-4) **Example:** Use of any rDNA modified organisms, use of any RG2 and RG3 agents, creation of transgenic animals, etc.) No Yes rDNA or synthetic nucleic acid molecule-modified experiments involving whole plants (III-D-5) Yes No 1. Experiments involving arthropods with recombinant or synthetic nucleic acid molecule modified microorganism associated with them Yes No Experiments involving cultures of more than 10 liters. (III-D-6) Yes No Experiments involving influenza viruses. (III-D-7) **Example**: Generation of influenza viruses by reverse genetics of chimeric viruses with reasserted segments and introduction of specific mutations Yes No Experiments involving the formation of rDNA or synthetic nucleic acid molecules containing no more than two-thirds of the genome of any eukaryotic virus. (III-E) Yes No

37' 137	1 1 11 1 1	
Viral Vectors used- Adenovirus	check all that apply:	N/A
	pointed views (AAV).	halmar virus usad
	ociated virus (AAV); rr Virus (EBV)	helper virus used
Herpesvirus		
Retrovirus;	ecotopic	amphotrophic
rion o virus,	pseudotype virus	umphou opine
MMLV	Paramet, Province	
Lentivirus:	helper virus	genes separated on separate plasmic
	pseudotype (VSV-G)	
Poxvirus-Va	accinia Virus	
Cindhia (aln	ha) virus;	helper virus
Silidois (aip		
Baculovirus		
Baculovirus	41 ' 1 4 6	
Baculovirus How did you obtain		Duadwat nama.
Baculovirus How did you obtain Commercial	l kit List Source:	Product name:
Baculovirus How did you obtain Commercial All compon	l kit List Source:ents made in the lab	
Baculovirus How did you obtain Commercial All compon Assembled	l kit List Source:ents made in the lab in lab from components ma	
Baculovirus How did you obtain Commercial All compon Assembled in	l kit List Source:ents made in the lab in lab from components mackaged virus	
Baculovirus How did you obtain Commercial All compon Assembled in	l kit List Source:ents made in the lab in lab from components ma	
Baculovirus How did you obtain Commercial All compon Assembled Received pa Received tra	l kit List Source:ents made in the lab in lab from components mackaged virus ansduced cells	

Infectious Agent/Pathogen	Yes	No
(If yes, list below. Also, describe the use of agent a material (i.e. ATCC)	nd the sour	ce of the
Any work involving a biological agent classified as a Ri	sk Group 2	(RG2) or 3
(RG3) agent (abbreviated list found in Appendix B of th		
(http://osp.od.nih.gov/sites/default/files/NIH_Guidelines must be registered with the IBC. This includes commerce		
(RG2) to infect cells/animals.		
Infectious agent/pathogen will be used in animal	Yes	No
Biological Toxin (If yes, list below. For exempt quantities of Select T	Yes	No
Biological Toxin	Yes	No
Biological Toxin (If yes, list below. For exempt quantities of Select T	Yes oxin, fill ou	No it the next
Biological Toxin (If yes, list below. For exempt quantities of Select T section) All biological toxins which include biosafety containment must be registered with the IBC. These toxins include discontinuous disc	Yes oxin, fill ou nt level 2 (E phtheria tox	No t the next 3SL-2) or atkin, pertussion
(If yes, list below. For exempt quantities of Select T section) All biological toxins which include biosafety containme	Yes oxin, fill ou nt level 2 (E phtheria tox	No t the next 3SL-2) or atkin, pertussion
Biological Toxin (If yes, list below. For exempt quantities of Select T section) All biological toxins which include biosafety containme must be registered with the IBC. These toxins include ditoxin, tetanus toxin, ricin, botulinum toxin, shiga toxin,	Yes oxin, fill ou nt level 2 (E phtheria tox	No t the next SSL-2) or ab kin, pertussis
Biological Toxin (If yes, list below. For exempt quantities of Select T section) All biological toxins which include biosafety containme must be registered with the IBC. These toxins include ditoxin, tetanus toxin, ricin, botulinum toxin, shiga toxin,	Yes oxin, fill ou nt level 2 (E phtheria tox	No t the next 3SL-2) or atkin, pertussion
Biological Toxin (If yes, list below. For exempt quantities of Select T section) All biological toxins which include biosafety containme must be registered with the IBC. These toxins include ditoxin, tetanus toxin, ricin, botulinum toxin, shiga toxin,	Yes oxin, fill ou nt level 2 (E phtheria tox	No t the next 3SL-2) or atkin, pertussion
Biological Toxin (If yes, list below. For exempt quantities of Select T section) All biological toxins which include biosafety containme must be registered with the IBC. These toxins include ditoxin, tetanus toxin, ricin, botulinum toxin, shiga toxin,	Yes oxin, fill ou nt level 2 (E phtheria tox	No t the next 3SL-2) or atkin, pertussi
Biological Toxin (If yes, list below. For exempt quantities of Select T section) All biological toxins which include biosafety containme must be registered with the IBC. These toxins include ditoxin, tetanus toxin, ricin, botulinum toxin, shiga toxin,	Yes oxin, fill ou nt level 2 (E phtheria tox	No t the next 3SL-2) or atkin, pertussi
Biological Toxin (If yes, list below. For exempt quantities of Select T section) All biological toxins which include biosafety containme must be registered with the IBC. These toxins include ditoxin, tetanus toxin, ricin, botulinum toxin, shiga toxin,	Yes oxin, fill ou nt level 2 (E phtheria tox	No t the next 3SL-2) or atkin, pertussion
Biological Toxin (If yes, list below. For exempt quantities of Select T section) All biological toxins which include biosafety containme must be registered with the IBC. These toxins include ditoxin, tetanus toxin, ricin, botulinum toxin, shiga toxin,	Yes oxin, fill ou nt level 2 (E phtheria tox	No at the next as SSL-2) or all skin, pertussistabile
Biological Toxin (If yes, list below. For exempt quantities of Select T section) All biological toxins which include biosafety containme must be registered with the IBC. These toxins include ditoxin, tetanus toxin, ricin, botulinum toxin, shiga toxin, enterotoxin, etc.	Yes oxin, fill ou nt level 2 (E phtheria tox E. coli heat	No t the next 3SL-2) or atkin, pertussion

4.

Biological toxin will be used in animal	Yes	No
Select Agents	Yes	No
The use, possession or transfer of a biological mand/or Select Agent Toxin are strictly regulated and 42 CFR 73 and require registration through Program. Researchers considering work with a contact the BSO, Melina Kinsey at Melina. Kinsey at Meli	d under 7 CFR 33 th the Federal Sel my select agents/t sey@ucf.edu or 40 bund at	61, 9 CFR 121 ect Agent oxins MUST
Each PI may possess exempt quantities of Select A to register with CDC. It is important to ensure tha PI is maintained below these limits at all times in registration requirements with the CDC. Due to the non-compliance with the Select Agent regulations laboratory in possession of exempt quantities of Sinventory for these materials. Contact BSO at Med 407-823-1526 to request an inventory sheet.	t the total amount of order to remain ex- se severe penalties , it is UCF policy to elect Toxins maint	of each toxin per kempt from associated with that each tain current
Exempt quantities of Select Toxins	Yes	No
A table listing the exempt quantities of select http://www.selectagents.gov/PermissibleToxing		nd at
Name of Select Toxin Indicate the source from where the toxin will	be acquired and t	he amount
Indicate storage location for the Select Toxin	(Building and roo	om)
Animals will be exposed to Select Toxin	Yes	No
If yes, indicate the location where the animals Toxin and housed	will be exposed	to the Select

	Yes	No
Describe method of inactivation:		
Select Toxin will be transferred to other inc		
	Yes	No
Animal Use	Yes	No
If yes, IACUC approval #:		
Transgenic	Yes	No
11000000000	1 00	2.10
Note: Use of ANY recombinant materials (
Note: Use of ANY recombinant materials (e.g. human tumor c	
Note: Use of ANY recombinant materials (modified microorganisms, lentivirus, etc.) i approval.	e.g. human tumor c n animals require I	ВС
Note: Use of ANY recombinant materials (modified microorganisms, lentivirus, etc.) is approval. Briefly describe the use of animals in this recombinant materials (modified microorganisms, lentivirus, etc.)	e.g. human tumor c n animals require I esearch including d	BC escription
Note: Use of ANY recombinant materials (modified microorganisms, lentivirus, etc.) is	e.g. human tumor c n animals require I esearch including d	BC escription
Note: Use of ANY recombinant materials (modified microorganisms, lentivirus, etc.) is approval. Briefly describe the use of animals in this reof any transgene, protein product, source,	e.g. human tumor c n animals require I esearch including d	BC escription
Note: Use of ANY recombinant materials (modified microorganisms, lentivirus, etc.) is approval. Briefly describe the use of animals in this reof any transgene, protein product, source,	e.g. human tumor c n animals require I esearch including d	BC escription
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Note: Use of ANY recombinant materials (modified microorganisms, lentivirus, etc.) is approval. Briefly describe the use of animals in this reof any transgene, protein product, source,	e.g. human tumor c n animals require I esearch including d	BC escription
Note: Use of ANY recombinant materials (modified microorganisms, lentivirus, etc.) is approval. Briefly describe the use of animals in this reof any transgene, protein product, source,	e.g. human tumor c n animals require I esearch including d	BC escription
Note: Use of ANY recombinant materials (modified microorganisms, lentivirus, etc.) is approval. Briefly describe the use of animals in this reof any transgene, protein product, source,	e.g. human tumor c n animals require I esearch including d	BC escription
Note: Use of ANY recombinant materials (modified microorganisms, lentivirus, etc.) is approval. Briefly describe the use of animals in this reof any transgene, protein product, source,	e.g. human tumor c n animals require I esearch including d	BC escription

	human primate cell lines.		
	Human stem cells or induced pluripotent stem		c or adul
		Yes	No
	If yes, briefly describe source (i.e. commercial	, human subjects,	etc.) of th
	material and how it will be used.		
	material and now it will be used.		
	material and now it will be used.		
-			
7.	Human Participant Use:	Yes	Ne
7.	Human Participant Use: If yes, IRB Approval #:	Yes Yes	
7.	Human Participant Use:		No No No
7.	Human Participant Use: If yes, IRB Approval #: Samples will be collected from human: Studies will be performed on human:	Yes Yes	No No
7.	Human Participant Use: If yes, IRB Approval #: Samples will be collected from human:	Yes Yes	No No
7.	Human Participant Use: If yes, IRB Approval #: Samples will be collected from human: Studies will be performed on human:	Yes Yes	No No

1.

C. Risk Assessment and Containment Procedures

a.	Use of sharps (parenteral l	hazard)	Yes	No			
	If yes, check all used in ex	perimental pr	ocedures				
	needles & syringes	razors	scalpels	blades			
	glass	microtome	e other:				
	Sharps mitigation:						
	sharps container	broken gla	ass container				
	engineered sharps	other:					
b.	Aerosol generating proced	ures (inhalatio	onal hazard)				
			Yes	No			
	If yes, check all used durin	g experiment	al procedures				
	centrifugation	vortex	sonicating	pipetting			
	flow cytometry analy	sis/sorting	other:				
	Aerosol mitigation:						
	class II biosafety cab	inet	chemical fume h	ood			
	sealed rotor		HEPA-filtered ar	nimal caging			
	local exhaust-snorkel		other:				
c.	Personal Protective Equipr	ment (PPE):					
	safety glasses go	oggles	face shield g	loves			
	protective clothing (la	protective clothing (lab coat, Tyvek)					
	respirator (Respirator	(N-95) requi	res participation	in the			
	Medical Surveillance	Program. Ple	ase call 407-823	-0324 for			
	more information)						
	other:						
Desc	eribe decontamination/disinfection	on process					
1							

2.

3.	Desc	cribe biological waste disposal method
	a.	Solid waste
	b.	Liquid waste
		L
4.	Desc	cribe the management of personnel and/or environmental risks
4.		
	a.	Spill response procedures (including inside the biosafety cabinet and outside, if applicable)
		and subsect, if appreciate)
	b.	Exposure control measures (describe steps in the event of
	υ.	accidents or unintended exposures to biologicals i.e. animal bites,
		needle sticks, sharps injury, splash, etc. etc.)
		needle sticks, sharps injury, sprash, etc. etc.)
		needie sticks, sharps injury, spiash, etc. etc.)
		needie sticks, sharps injury, spiash, etc. etc.)
		needie sucks, sharps injury, spiash, etc. etc.)
		needie sucks, sharps injury, spiash, etc. etc.)
		needie sucks, sharps injury, spiash, etc. etc.)
		needie sucks, sharps injury, spiash, etc. etc.)

	~ •		
IV.		labor	otion
1 V .	CUL	เฉบบเ	auvu

Will this research involve collaboration	on within UCF?	Yes	No
If yes, please provide information for	r the Co-PI(s).		
Name:	Dept:		
Phone:	Email:		
Name:	Dept:		
Phone:			
Will this research involve collaboration	on with any organizatio	on <u>outside</u> of UCF? Yes	No
If yes, has approval for this project be	een granted by the outsi	de organization? Yes Pending	No
Please provide the contact informatio	on for the organization t	hat will be participa	ating wi
this research.			
	Title:		
Name:Phone:			
Name:	Email:		No
Name:Phone:	d to any organization of the to comply with formula arch and laboratory a rent NIH Guidelines plecules (http://osp.od.n.mply with these relevilso, I accept respons to all personnel involved.	rederal, state and activities. I am far for Research Investith.gov/sites/default/vant provisions are assibility for prov	local miliar olving the files and all iding,
Name:	d to any organization of the to comply with formula arch and laboratory a rent NIH Guidelines plecules (http://osp.od.n.mply with these relevilso, I accept respons to all personnel involved.	rederal, state and activities. I am far for Research Investith.gov/sites/default/vant provisions are assibility for prov	local miliar olving the files and all iding,

Project Personnel

The individuals listed below will be involved in the experimentation described above. They are familiar with and agree to abide by the current University of Central Florida guidelines as outlined in the Biological Safety Manual and the NIH Guidelines (for Research Involving Recombinant or Synthetic Nucleic Acid Molecules). **All participants must be up to date with EH+S trainings.**

Title

I understand that I will be responsible to comply with federal, state and local regulations that pertain to all my research and laboratory activities. I am familiar with the relevant provisions of the current NIH Guidelines for Research Involving Recombinant or Synthetic Nucleic Acid Molecules (http://osp.od.nih.gov/sites/default/files/NIH Guidelines.html) and agree to comply with these relevant provisions and all Institutional Policies and Procedures. Also, I accept responsibility for providing, through scheduling or teaching, training to all personnel involved in my laboratory. I understand and acknowledge my right to address in person the IBC meeting during which my BAR application will be reviewed for the purpose of discussing and addressing any questions the committee may have regarding my application.

The information in this application is accurate and complete.

Print Name	
PI Signature:	Date:

IBC Committee Use Only

		Registration	n #		
Review Date:		Approval Date:		Expiration Date:	
Application reviewed	by: \square	Full Comm	ittee 🗆 BSO		
\Box Approved		Modification	ons required for	approval	
□ Deferred		Denied			
Biosafety Level R	equired:		Exempt	BSL-1	ABSL-1
				BSL-2	ABSL-2
				BSL-3	ABSL-3
Biosafety Cabinet Required:				Yes	No
If yes, is the BSC c	-			Yes	No
Biosafety lab audit	nas beer	i completed by	у еназ:	Yes	No
Lab personnel are up to date on training EH&S:			will be added / Yes	No	
Appropriate waste containers and PPE present in lab:				Yes	No
PI has conducted i	isk asse	ssment and pro	oposed standard o	operating proce	edures (SOPs) including
decontamination/s	pill clea	n-up, and was	te disposal metho		
				Yes	No
Committee Notes:	!				
IBC Chair Signatu	re:			Da	te:
BSO Signature:				Da	te: