

THE GRADUATE SCHOOL OFFICE OF RESEARCH

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October 2, 2006

Mr. Edward H. Hammond, Director The Sunshine Project PO Box 41987 Austin, TX 78704

Dear Mr. Hammond:

Enclosed please find the IBC meeting minutes requested in your letter of 15 March, 2006.

"The University of Notre Dame IBC HAS / HAS NOT implemented written policies for the identification, review, and oversight of research involving any of the seven categories of experiments of concern identified by the National Academies of Science in its report Biotechnology Research in an Age of Terrorism (the "Fink Committee" report)."

While specific written policies have not been implemented, the IBC annually monitors activities in Notre Dame laboratories and would not approve these areas of research.

I trust the materials are in good order. If you have further questions please contact Dr. Richard A. Hilliard, IRB Administrator directly at 574-631-5386 or Hilliard.1@nd.edu.

Sincerely

Michael T. Edwards

Director, Office of Research

UNIVERSITY OF NOTRE DAME Meeting of the Institutional Biosafety Committee October 13, 2004

MINUTES

Attended by: Nora Besansky, John Adams, Joseph O'Tousa, Lisa Bognar, Robert Zerr, and Richard Hilliard. Heather Kuehnle from the St. Joseph County Health Department was a visitor at the meeting.

The meeting was convened at 1:00 p.m.. January 22, 2003 minutes were approved.

1. Protocols reviewed: See attached

- 2. Other Business
 - a. Lisa updated the committee on Chem Hazards procedures and procurement process.
 - b. Heather agreed to serve as one of the outside members of the committee.
- 3. Meeting adjourned at ~ 2:00 p.m.

INSTITUTIONAL BIOSAFETY COMMITTEE UNIVERSITY OF NOTRE DAME MINUTES OF MEETING 10/13/2004

(TiMPs) 2. Penicilli	purification of human m n-Binding Proteins, Me n and Antibiotic Design	atrix metallopro	teinases (nibition 3.	(MMPs) and tissue inhibitor of metalloproteinases Resistance to B-Lactam Antibiotics 4.
F	Recombinant DNA	Registration Docume	ent		
Approval Date	10/13/2004	Biosafety Level	BL-2	or	Deferred for Additional Information
Personnel	with potential ex	posure to vaccinia ve	ector need to b	e vaccin	ated.
05-002 F	Protein Binding Dor	mains on Eukaryotic 5s	rRNA and rDNA	4	
F	Recombinant DNA	Registration Docume	ent		
Approval Date		Biosafety Level	exempt	or	Deferred for Additional Information
		rary Initiative and Evolu Registration Docume		ics of Red	Oaks
Approval Date		Biosafety Level	BL-1	or	Deferred for Additional Information
Names of	lab personnel co	vered by this protoco	I needs to be f	forwarde	d to IBC.
05-004 1	. Structure-Function	on Studies on Plasmino	gen and Plasmi	in 2. Bloc	od Coagulation Protein-Metal Ion-Lipid Binding
F	Recombinant DNA	Registration Docume	ent		
Approval Date	10/13/2004	Biosafety Level	BL-2	or	Deferred for Additional Information
			-		

INSTITUTIONAL BIOSAFETY COMMITTEE UNIVERSITY OF NOTRE DAME MINUTES OF MEETING 10/13/2004

	In Vitro Protein Evo CAREER: Conform Evolution	olution to Improve Beta-S mations of Beta-Sheet Fo	Sheet Folding an olding Intermedia	d Stability ates: The	/ Discrimination Between Productive Foldi	ing and
	Recombinant DN/	A Registration Docume	ent			
Approval Date	e 10/13/2004	Biosafety Level	BL-1	or	Deferred for Additional Information	
	_					
05-006	Dietary and Therap	peutic Intervention for Pr	ostate and Breas	st Cancer		
	Recombinant DN/	A Registration Docume	ent			
Approval Date	e 10/13/2004	Biosafety Level	BL-2	or	Deferred for Additional Information	
	Recombinant DN	plasmic Dyein Targeting A Registration Docume	ent			
Approval Date	e 10/13/2004 	Biosafety Level	BL-1 	or ———	Deferred for Additional Information	
	·					
05-008	Various <i>Anopheles</i>	projects				
	Recombinant DN/	A Registration Docume	ent			
Approval Date		Biosafety Level	BL-1/BL-2	or	Deferred for Additional Information	
Transform	ned mosquitoes k	kept in BL-2 insectary.				
	•	······································				

INSTITUTIONAL BIOSAFETY COMMITTEE UNIVERSITY OF NOTRE DAME MINUTES OF MEETING 10/13/2004

05-009 Genetically Engineered Mosquitoes

	Hazardous/Infecti	ous Materials protoco	ol		
proval Dat	10/13/2004	Biosafety Level	BL-2/BL-3	or	Deferred for Additional Information
Infected i 304?	mosquitoes kept i	n BL-3 facility. Are p	rovisions in plac	ce to ho	ouse mosquitoes during the renovation of roor
05-010	Molecular Evolution	nary Genetics of Mosqu	uitoes - multiple p	rojects	
	Recombinant DN	Registration Docum	ent		
proval Date	10/13/2004	Biosafety Level	BL-1	or	Deferred for Additional Information
05-011	Vitamin D, Calcium	Homeostasis and Can	cer	·.	
		Registration Docum	ent		
proval Date	10/13/2004	Biosafety Level	BL-2	or	Deferred for Additional Information
Containm	ent under BL-2 re	equires PI to restrict	access to labora	itory. D	Poor to hallway must be kept closed.
05-012	Molecular Biology o	of Mosquitoes			
	Boombins at DNA	Registration Docum	ent		
	Recombinant DNA	•			

INSTITUTIONAL BIOSAFETY COMMITTEE UNIVERSITY OF NOTRE DAME MINUTES OF MEETING 10/13/2004

05-013 Molecular Biology of Mosquitoes

Dat	40140 10004	mi f-4- 1		~-	
Approval Date		Biosafety Level	BL-2	or	Deferred for Additional Information
Are provis	sions in place to h	nouse mosquitoes duri	ing renovation o	f 304 t	io BL-3 facility?
					
05-014	Genetic Analysis of	f Retinal Degeneration			
				£ _{a,} ±	· [集] [1] [1] [1] [2] [2] [2] [3] [4] [4] [4] [4] [4] [4] [4] [4] [4] [4
	Recombinant DN/	A Registration Docume	nt		
Approval Date	e 10/13/2004	Biosafety Level	BL-1	or	Deferred for Additional Information
05-015	QTL Mapping of Di	iapause and Host Recog	inition Traits in <i>Ri</i>	agoleti	iš
	Recombinant DN/	A Registration Docume	·nt		
	1/600	A 116gionameri =	III.		
Approval Date	e 10/13/2004	Biosafety Level	exempt	or	Deferred for Additional Information
Approval Dat	e 10/13/2004	Biosafety Level	exempt	or	Deferred for Additional Information
Approval Dat	e 10/13/2004	Biosafety Level	exempt	or	Deferred for Additional Information
Approval Dat	e 10/13/2004	Biosafety Level	exempt	or	Deferred for Additional Information
Approval Dat	e 10/13/2004	Biosafety Level	exempt	or	Deferred for Additional Information
				or	Deferred for Additional Information
	Studies of Antifree	ze Proteins in Arctic and	Nearctic Insects	or	Deferred for Additional Information
	Studies of Antifree	ze Proteins in Arctic and	Nearctic Insects	or state of the st	Deferred for Additional Information
05-016	Studies of Antifree:	ze Proteins in Arctic and A Registration Docume	Nearctic Insects		
	Studies of Antifree:	ze Proteins in Arctic and	Nearctic Insects	or or	Deferred for Additional Information Deferred for Additional Information
05-016 Approval Date	Studies of Antifree:	ze Proteins in Arctic and A Registration Docume Biosafety Level	Nearctic Insects		
05-016 Approval Date	Studies of Antifree: Recombinant DN/ e 10/13/2004	ze Proteins in Arctic and A Registration Docume Biosafety Level	Nearctic Insects		

INSTITUTIONAL BIOSAFETY COMMITTEE UNIVERSITY OF NOTRE DAME MINUTES OF MEETING 10/13/2004

05-017 Genetics of Drug Cross Resistances and Virulence in Malaria Parasites

	Reco	mbinant DNA	A Registration Docume	ent		
Approval Da	te 1	0/13/2004	Biosafety Level	BL-2	or	Deferred for Additional Information
<u> </u>				<u> </u>		
05-018	Minim	al Inhibitory (Coincentrations of Antibi	otics		
	Hazar	dous/Infecti	ous Materials Protoco	I		
Approval Da	te 1	0/13/2004	Biosafety Level	BL-2	or	Deferred for Additional Information
If VRSA addition	colonia	zation from i	nasal swabs is identif	ied, Risk Mana	igement	and the Health Center needs to be notified in
addition	io ine	OD O.				
05-019	Molec	ular Analysis	of Apical Organelles of	Plasmodium		
	Recor	nbinant DNA	Registration Docume	ent		
Approval Dat		0/13/2004	Biosafety Level	BL-2	or	Deferred for Additional Information
Are prov	isions	in place to h	ouse mosquitoes dur	ing of renovati	on of roo	om 304 to BL-3 facility?
05-020	Molec	ular Analysis	of Apical Organelles of	Plasmodium		
	Hazar	dous/Infection	ous Materials Protocol			
Approval Dat	te 11	0/13/2004	Biosafety Level	BL-2/BL-3	or	Deferred for Additional Information
Infected	mosqu	iitoes kept u	nder BL-3 containme	nt.		
1						

INSTITUTIONAL BIOSAFETY COMMITTEE UNIVERSITY OF NOTRE DAME MINUTES OF MEETING 10/13/2004

05-021 Toxoplasma gondii - Molecular and Cell Biology Study of Apicomplexan Protein Secretion

Re	combinant DNA				
pproval Date	10/13/2004	Biosafety Level	BL-2	or	Deferred for Additional Information
05-022 To.	xoplasma gondii	- Molecular and Cell Bi	ology Study of A	oicomple	xan Protein Secretion
Ha	zardous/Infectio	ous Materials Protoco	ı		
Approval Date		Biosafety Level		or	Deferred for Additional Information X
		ler Pls Radiation Safe	ety protocol. La	aborato	y personnel must take the refresher course o
Radiation Sa	-	·· T. sondii boing use	Description	of proce	advises accorded to these on SOD for
inadvertent			a. Description	or broce	edures needed. Is there an SOP for
	exposure to pa	rasite?			
	exposure to pa	rasite? 			-
05-023 Re	egulation of Endot			leling in	Cell Migration, Role in Vesicle Transport in
05-023 Re Hu	egulation of Endot untington's Diseas	thelial Barrier Permeabi	ligration	leling in	Cell Migration, Role in Vesicle Transport in
05-023 Re Hu	egulation of Endot untington's Diseas	thelial Barrier Permeabi se, Regulation of Cell M	ligration	deling in	Cell Migration, Role in Vesicle Transport in Deferred for Additional Information
05-023 Re Hu Re Approval Date	egulation of Endot untington's Diseas ecombinant DNA 10/13/2004	thelial Barrier Permeabi se, Regulation of Cell M Registration Docume Biosafety Level n under BL-2 contain	ligration ent BL-1/BL-2		
05-023 Re Hu Re Approval Date Mammalian Personnel n	egulation of Endot untington's Diseas ecombinant DNA 10/13/2004 cell transfection needs to be liste	thelial Barrier Permeabi se, Regulation of Cell M Registration Docume Biosafety Level n under BL-2 contained on protocol.	digration ent BL-1/BL-2 ment.	or	
05-023 Re Hu Re Approval Date Mammalian Personnel n	egulation of Endot untington's Diseas ecombinant DNA 10/13/2004 cell transfection needs to be liste	thelial Barrier Permeabi se, Regulation of Cell M Registration Docume Biosafety Level n under BL-2 contain	digration ent BL-1/BL-2 ment.	or	
05-023 Re Hu Re Approval Date Mammalian Personnel n	egulation of Endot untington's Diseas ecombinant DNA 10/13/2004 cell transfection needs to be liste	thelial Barrier Permeabi se, Regulation of Cell M Registration Docume Biosafety Level n under BL-2 contained on protocol.	digration BL-1/BL-2 ment. I Lowering Drugs	or	
05-023 Re Hu Re Approval Date Mammalian Personnel n	egulation of Endot untington's Diseas ecombinant DNA 10/13/2004 cell transfection needs to be liste	thelial Barrier Permeabi se, Regulation of Cell M Registration Docume Biosafety Level n under BL-2 contained on protocol.	digration BL-1/BL-2 ment. I Lowering Drugs	or	
05-023 Re Hu Re Approval Date Mammalian Personnel n 05-024 So	egulation of Endot untington's Disease ecombinant DNA 10/13/2004 cell transfection needs to be lister by Supplements In	thelial Barrier Permeabi se, Regulation of Cell M Registration Docume Biosafety Level In under BL-2 contain ed on protocol.	ent BL-1/BL-2 ment. I Lowering Drugs	or	Deferred for Additional Information
05-023 Re Hu Re Approval Date Mammalian Personnel n 05-024 So	egulation of Endot untington's Disease ecombinant DNA 10/13/2004 cell transfection needs to be lister by Supplements In	thelial Barrier Permeabi se, Regulation of Cell M Registration Docume Biosafety Level In under BL-2 contain ed on protocol.	ent BL-1/BL-2 ment. I Lowering Drugs	or	Deferred for Additional Information

INSTITUTIONAL BIOSAFETY COMMITTEE UNIVERSITY OF NOTRE DAME MINUTES OF MEETING 10/13/2004

05-025 Tissue Culture Cells and Human Hepatocytes

Approval Dat	e 10/13/2004	Biosafety Level	BL-2	or	Deferred for Additional Information	
Human h	epatocyte work do	ne under BL-2 conta	inment.			
05-026	Flexibility-Activity Re	elationships in Human F	Pin1			e e
	Recombinant DNA	Registration Docume	ent			
Approval Date	and the second	Biosafety Level	BL-1	or	Deferred for Additional Information	

UNIVERSITY OF NOTRE DAME Meeting of the Institutional Biosafety Committee April 5, 2005

MINUTES

Attended by: Nora Besansky, John Adams, Joseph O'Tousa, Lisa Bognar, Robert Zerr, Roland Chamblee and Richard Hilliard. Phil Iapalucci from Audit and Advisory Services was a visitor at the meeting.

The meeting was convened at 2:00 p.m.. October 13, 2004 minutes were approved as submitted.

I. Protocols reviewed: See attached

2. Other Business

- a. Phil Iapalucci presented an update on the current inventory of Select Agents. Of 162 surveys sent out, 160 have been returned. Will send follow-up to these two PIs. It was agreed that surveying labs every two years would be sufficient. New faculty will be identified and surveyed in the interim period.
- b. Lisa presented the ND Biosafety Manual. Discussion centered around training. Training can be accomplished via personal presentations either by RM&S or possibly by trained lab personnel. On-line training will be developed.
- 3. Meeting adjourned at ~ 3:00 p.m.

INSTITUTIONAL BIOSAFETY COMMITTEE UNIVERSITY OF NOTRE DAME MINUTES OF MEETING 4-5-2005

05-027 Molecular Recognition by Molecules of the Cellular Immune System

Approval Date		A Registration Docume Biosafety Level	BL1	or	Deferred for Additional Information
While BL1	containment is	apparent, PI needs to	include justifi	cation of	requested level in question 5.
					
		ukin-12 in Leishmania in eishmania Infected Huma			
1	Recombinant DN	A Registration Docume	nt		
Approvai Date	4-5-2005	Biosafety Level	BL2	or	Deferred for Additional Information
Protocol a	approved at BL2	as submitted.			
I	nterleukin-12 in Le	ukin-12 in Leishmania In aishmania Infected Huma	n Dendritic Ce	ages Is	
י Approval Date		lous Materials Protocol Biosafety Level	BL2	or	Deferred for Additional Information
Protocol a	pproved at BL2	containment as submit	· ·		
05-030 F	Pyrethroid Spray S	heet Collection			
ł	lazardous/Infecti	ous Materials Protocol			
Approval Date	12-20-2004	Biosafety Level		or	Deferred for Additional Information
Questions	regarding perso	nal protective equipme	ent were addr	essed by	y PI.
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INSTITUTIONAL BIOSAFETY COMMITTEE UNIVERSITY OF NOTRE DAME MINUTES OF MEETING

4-5-2005

05-031 Enhanced Ethanol Production by Genetically Engineering Yeast to Reduce Volatile By-Production Formation

	Recombinant DN/	A Registration Docume	nt		
Approval Date	te 4-5-2005	Biosafety Level	BL1	or	Deferred for Additional Information
Protocol	approved at BL1 o	containment as submit	Ited.		
05-032	Transgenic Engine	eering of Aedine Mosquito	es Using the pig	gyBac 1	Transposon
	Recombinant DN/	A Registration Docume	nt		
Approval Date	te 4-5-2005	Biosafety Level	BL1	or	Deferred for Additional Information
tever viru	s in mosquito ceii	s and tissues. Will an	y live mosquito	es be ii 	is that interefere with the replication of Dengue infected? Please clarify.
	Hazardous/Infection	ctiveness of Antisense an lous Materials Protocol Blosafety Level		aibition o	of Dengue Virus Replication Deferred for Additional Information
Approval portion of	is just for BL2 exp f the protocol.	periments. When the	BL3 facility is co	omplete	ed and certified, the IBC will review the BL3
05-034	The Pathological C Expression of Muni	Consequences of the Plas ne Wild Type and Mutant	minogen System t PA-1 Protein	1	
	Recombinant DN/	A Registration Documer	nt		
Approval Date		Biosafety Level	BL1	or	Deferred for Additional Information
Protocol a	approved at BL1 c	containment as submit	ted.		

INSTITUTIONAL BIOSAFETY COMMITTEE UNIVERSITY OF NOTRE DAME MINUTES OF MEETING 4-5-2005

05-035 Identification of Lens Development Genes

Re	combinant DN	A Registration Docume	nt		
proval Date	4-5-2005	Biosafety Level	BL1	or	Deferred for Additional Information

UNIVERSITY OF NOTRE DAME Meeting of the Institutional Biosafety Committee October 20, 2005

MINUTES

Attended by: Nora Besansky, John Adams, Joseph O'Tousa, Mark Suckow, Lisa Phillips, Robert Zerr, and Richard Hilliard.

The meeting was convened at 1:30 p.m.. April 5, 2005 minutes were approved as submitted.

- 1. Protocols reviewed:

 See Attached Sheet
- 3. Meeting adjourned at \sim 3:00 p.m.

INSTITUTIONAL BIOSAFETY COMMITTEE UNIVERSITY OF NOTRE DAME MINUTES OF MEETING 10-20-2005

06-001 Tumor Induction in Lobund-Wistar Rats

na Approval Date	10-20-2005	ous Materials Protocol Biosafety Level	2	or	Deferred for Additional Information
		carried out under level			
036 01 101110)	dilled out under lever	2 Containing	eur hei er	.SC guidelines.
06-002 An	nopheles gambia	e project			ing a second of the second of
Re	combinant DN/	A Registration Docume	nt		
Approval Date	10-20-2005	Biosafety Level	1/2	or	Deferred for Additional Information
BSL1: routir	ne lab work.				
		itoes in BSL2 insectary			
lwore specin	icity needed reg	garding transposons b	eing used.		
<u> </u>	 .		_		
06-003 Ge	enetically Engine	ered Mosquitoes			
Ha	zardous/Infecti	ous Materials Protocol			
Approval Date	10-20-2005	Biosafety Level		or	Deferred for Additional Information
	icity needed reg	garding transposons b	oing used		
Infected mo	squitoes held ir	n BSL3 facility when ce	enig dace. ertified. <i>Plas</i>	modium l	BSL3 SOP on file. Need to be appended to
protocols wh	hen submitted.				• •
L					
06-004 Mo	ecular Evolution	nary Genetics of Mosquite	nes		
•• ••					
P.o			•		
ne Approval Date	10-20-2005	Registration Documer Biosafety Level		or.	
		Biosalety Level	1 	or 	Deferred for Additional Information
Approved as	s submitted.				

INSTITUTIONAL BIOSAFETY COMMITTEE UNIVERSITY OF NOTRE DAME MINUTES OF MEETING

10-20-2005

1. Expression and purification of human matrix metalloproteinases (MMPs) and tissue inhibitor of metalloproteinases 06-005 (TIMPs) 2. Penicillin-binding proteins, mechanism and inhibition 3. Resistance to B-lactam antibiotics 4. Ribosomal function and antibiotic design **Recombinant DNA Registration Document Approval Date** 10-20-2005 **Biosafety Level** 2 OF Deferred for Additional Information Approved as submitted. Investigations of Antibiotic Resistance and Development 06-006 Hazardous/Infectious Materials Protocol **Approval Date** 10-20-2005 **Biosafety Level** 2 **Deferred for Additional Information** Procedures for transporation across campus developed in conjunction with RM&S. SOP for animal use developed with FLSC and appended to protocol. The Insect BAC Library Initiative, Evolutionary Genomics of Red Oaks, The Nasonia Genome Project 06-007 **Recombinant DNA Registration Document** Approval Date 10-20-2005 **Biosafety Level** 1 or **Deferred for Additional Information** Approved as submitted 06-008 Molecular Biology of Mycobacteria **Recombinant DNA Registration Document Approval Date** 10-20-2005 **Biosafety Level** 1/2/3* **Deferred for Additional Information** BSL1: E. coli laboratory strains BSL2: Mycobacterium avium, M. bovis

BSL2: M. tuberculosis. Pending completion and certification of BSL3 facility in Galvin Life Sciences.

M. tuberculosis BSL3 SOP has been developed and on file. Needs to be appended to protocol at submission.

INSTITUTIONAL BIOSAFETY COMMITTEE UNIVERSITY OF NOTRE DAME MINUTES OF MEETING

10-20-2005

06-009	Understanding Myc	bacterial Pathogenesis			sias i Sias i	
Approval Da		us Materials Protocol Biosafety Level	2	or	Deferred for Additional	Information
		aratuberculosis, M. b	· ·			
06-010		and Genomics of Patho Registration Docume		sion by Mc	osquitoes	
Approval Da		Biosafety Level		or	Deferred for Additional	Information
06-011	``* ``````````````````````````````````	and Genomics of Patho		ion by Mc	esquitoes	
Approval Da	te 10-20-2005	Biosafety Level	2/3*	or	Deferred for Additional	Information
Sindbis SOP for	and dengue virus-ir this work has been	nfected cell cultures w developed and on file	rill be held in l e. Needs to b	BSL3 fac pe appen	cility upon completion an ided to protocol upon su	d certification. BSL3 bmission.
06-012	Growth of Trabecula	r Bone Damage During	Off-axis Loadi	ng		
	Hazardous/Infection	us Materials Protocol				
Approval Da		Biosafety Level	2	or	Deferred for Additional	Information
Use of h	uman tissues requi ens, these procedur	res BSL2. Because on the seconduction of the s	of the potentia ted under ho	al for aero	osolization during drilling er isolation apparatus.	and sawing of bone

INSTITUTIONAL BIOSAFETY COMMITTEE UNIVERSITY OF NOTRE DAME MINUTES OF MEETING 10-20-2005

06-013 Transcription and mRNA Localization During Xenopus Development

1					
Approval Date	10-20-2005	Biosafety Level	exempt	or	Deferred for Additional Information
Approved	as submitted as e	exempt			
	· -				
06-014	Transcription and m	RNA Localization Durin	ng <i>Xenopus</i> Dev	/elopment	
1	Hazardous/Infectio	ous Materials Protocol	I		
Approval Date	10-20-2005	Biosafety Level		or	Deferred for Additional Information
Approved	as submitted				
				- 	
06-015 I	Identification of Len	s Development Genes			
00-010 ·	domnionien ei ==) Development Solios			
,	Recombinant DNA	Registration Docume	ant		
Approval Date		Biosafety Level	1	or	Deferred for Additional Information
Approved	as submitted BSL				
06-016	dentification of Lens	s Development Genes			
		ous Materials Protocol	l		
Approval Date		Biosafety Level		or	Deferred for Additional Information
Approved	as submitted				

INSTITUTIONAL BIOSAFETY COMMITTEE UNIVERSITY OF NOTRE DAME MINUTES OF MEETING 10-20-2005

06-017 Protein Folding Studies of P69 Pertactin and P93 Pertactin

	Recombinant DN/	A Registration Docume	nt		
Approval Dat	te 10-20-2005	Blosafety Level	1	or	Deferred for Additional Information
Approved	d as submitted at	BSL1			
06-018	Protein Folding Stu	udies of Green Fluorescer	nt Protein		
	Recombinant DN/	A Registration Documer	nt		
Approval Dat	te 10-20-2005	Biosafety Level	1,	or	Deferred for Additional Information
Approved	d as submitted at	BSL1		_	
06-019	Protein Folding stu	dies of Tailspike			
	Recombinant DN/	A Registration Documer	nt		
Approval Date	e 10-20-2005	Biosafety Level	1	or	Deferred for Additional Information
Approved	d as submitted at I	BSL1			
06-020	Protein Folding Stu	udies of Tailspike, Pertact	lin and Green I	- -luorescei	nt Protein
	Hazardous/Infecti	ous Materials Protocol			
Approval Date		Biosafety Level		or	Deferred for Additional Information
Approved	d as submitted				

INSTITUTIONAL BIOSAFETY COMMITTEE UNIVERSITY OF NOTRE DAME MINUTES OF MEETING

10-20-2005

06-021	Interleukin-12 in Le	ukin-12 in <i>Leishmania</i> Int eishmania Infected Huma Project and Anti-Saliva V			
	Recombinant DN/	A Registration Docume	nt		
Approval Dat	te 10-20-2005	Biosafety Level	2	or	Deferred for Additional Information
Approved	d as submitted at	BSL2. BSL3 SOP on	file for when	BSL3 fac	cility is completed and certified
06-022	Interleukin-12 in Le Sand Fly Genome	ukin-12 in <i>Leishmania</i> Int <i>eishmania</i> Infected Huma Project and Anti-Saliva V	n Dendritic C	ells	
		ous Materials Protocol			
Approval Dat	te 10-20-2005	Biosafety Level	2	or	Deferred for Additional Information
06-023		of Sympatric Speciation			
	8.2 2 2 2	A Registration Docume			
Approval Date		Biosafety Level	1	or	Deferred for Additional Information
Approved	d as submitted at I	BSL1 			
06-024	The Pathological C	onsequences of the Plas	minogen Sys	tem	
	Recombinant DNA	Registration Documer	nt		
Approval Date	e 10-20-2005	Biosafety Level	1	or	Deferred for Additional Information
Approved	d as submitted at I	BSL1			

INSTITUTIONAL BIOSAFETY COMMITTEE UNIVERSITY OF NOTRE DAME MINUTES OF MEETING

10-20-2005

06-025	ARF6 in Cell Migration, Vesicle Transport in Huntington Disease Regulation of Epithelial Cell Migration Mechanism of Tumor Cell Invasion							
	Recombinant DNA	Registration Docume	nt					
Approval Dat	te 10-20-2005	Biosafety Level	1/2	or	Deferred for Additional Information			
	boratory strains at ian cell transfectio			-				
06-026	ARF6 in Cell Migra Regulation of Epith Mechanism of Tum		n Huntington D	sease				
	Hazardous/Infecti	ous Materials Protocol						
Approval Dat	te 10-20-2005	Biosafety Level		ог	Deferred for Additional Information			
06-027	d as submitted Biodegradation of leading	onic Liquids	n en	- ,				
	Recombinant DNA	Registration Docume	nt					
Approval Dat	e 10-20-2005	Biosafety Level	exempt	or	Deferred for Additional Information			
Approve	d as submitted as	exempt						
06-028		Studies of Plasminogen Metal Ion-Lipid Binding	and Plasmin					
	Recombinant DNA	Registration Docume	nt					
Approval Dat		Biosafety Level	2	or	Deferred for Additional Information			
Approved	d as submitted at E		<u>.</u>					
				_				

INSTITUTIONAL BIOSAFETY COMMITTEE UNIVERSITY OF NOTRE DAME MINUTES OF MEETING 10-20-2005

06-029 Contrast Agents for Micro-Computed Tomography of Microdamage in Bone

Hazardous/Infectious Materials Protocol							
Approval Date	e 10-20-2005	Biosafety Level	2	or	Deferred for Additional Information		
Use of hu specimen	man tissues requires, these procedure	res BSL2. Because of es need to be conduct	f the potential ed under ho	al for aero	osolization during drilling and sawing of bone er isolation apparatus.		
06-030	Studies of Antifreezo Structure/Function \$	e Proteins and Related A Studies of Antifreeze Prot	daptations of teins and thei	f Arctic and ir Enhance	d Subarctic Insects ers from the Beetle <i>Dendroides canadensis</i>		
	Recombinant DNA	Registration Documen	iŧ				
Approval Date	e 10-20-2005	Biosafety Level	1	or	Deferred for Additional Information		
		not required for system			ionalino		
Approval Date	Recombinant DNA e 10-20-2005	Registration Document		or	Deferred for Additional Information		
Approved	at BSL1						
06-032	Genetics of Drug Cr	ross Resistances and Viru	ulence in Mal	laria Paras	ites		
ļ	Recombinant DNA	Registration Document	it				
Approval Date	e 10-20-2005	Biosafety Level	2	or	Deferred for Additional Information		
Approved	as submitted at B	SL2					

INSTITUTIONAL BIOSAFETY COMMITTEE UNIVERSITY OF NOTRE DAME MINUTES OF MEETING

06-033	Population and Evolutionary Developmental Dynamics of Abdominal Pigmentation in Neotropical Drosophila and the impact of genetic Structuring on Disease Transmission in Balinese macaques						
	Recombinant DNA	Registration Document					
Approval Dat	e	Biosafety Level	or	Deferred for Additional Information	X		
Who is prior to tr	erforming the bloo ansporting to PI la	d sampling on the macabb? Is there an IACUC p	aques? How will the protocol for work wi	e blood be transported or will DNA be th the macaques?	extracted		
	impact of genetic S	tructuring on Disease Tran	lynamics of Abdomina smission in Ballnese	al Pigmentation in Neotropical Drosophila macaques	and the		
		ous Materials Protocol					
Approval Date	10-20-2005	Biosafety Level	or	Deferred for Additional Information			
	141129 4 11283 -	ng Events in the Regulatio	n of Organelle Biogen	esis and Stability in Apicomplexan Parasi	tes		
Approval Date		Biosafety Level	2 or	Deferred for Additional Information			
Approved	as submitted at E		· · ·				
		ng Events in the Regulation	n of Organelle Biogen	esis and Stability in Apicomplexan Parasi	tes		
pproval Date		Biosafety Level	ог	Deferred for Additional Information			
Approved	as submitted						