

How to Submit a New Biosafety RG2 Application

Your 'Inbox' is a folder for receiving items that require your attention. Once each item is addressed, it will leave your 'Inbox' and be filed under one of the other applicable tabs. Click on the name of the study to see details of the application or Post Approval Activity (PAA).

New Applications

Human Ethics

Animal Care

Send Feedback

& Animal Care Committee
 BC Cancer Agency
 Research Ethics Board
 Biosafety Committee
 Children's and Women's
 Research Ethics Board
 Clinical Research Ethics

Committees

A Name

Board

Conflict of Interest
Committee
Providence Health Care
Research Ethics Board
UBC Behavioural Research
Ethics Board
UBC Okanagan

Behavioural Research Ethics Board

Biosafety

F	ilter by 🎱 🛚 ID	▼	Go Clear Ad	vanced		
	ID	Name	Туре	Owner	State	🖸 Last State Change
盘	B14-0007	RISe Tutorial	Biosafety	Epple, Prince	Pre Submission	5/15/2014 8:52 AM
3	H14-00036	PFM Kenya	Human Ethics	Epple, Prince	Pre Submission	4/15/2014 9:28 AM
3	H14-00031	Abdo pain NYD	Human Ethics	Epple, Prince	Pre Submission	4/9/2014 8:30 AM
3	H14-00028	construction waste	Human Ethics	Apple, Prinz	Pre Submission	4/7/2014 1:39 PM
3	H13-00106	Discrimination and activism	Human Ethics	Apple, Prinz	Pre Submission	12/6/2013 10:05 AM
	H13-00105	Activism Study	Human Ethics	Epple, Prince	Pre Submission	12/6/2013 7:00 AM
3	H13-00092	Fibrosis	Human Ethics	Apple, Prinz	Pre Submission	9/3/2013 11:16 AM
	H13-00054	BCCDC	Human Ethics	Epple, Prince	Pre Submission	4/17/2013 9:16 AM
3	H13-00050	test	Human Ethics	Epple, Prince	Pre Submission	4/12/2013 1:13 PM
	H13-00049	Comment 111	Human Ethics	Epple, Prince	Pre Submission	4/10/2013 1:48 PM
				of 31 ▷ Ⅺ		10 / page

Post Approval Activities (In Progress)

Filt	er by 🍪 🛚 ID		Go Clear	Advanced			
	ID	Name	Туре	Owner	State		PAA Type
®PAA	H13-00044- A002	request for acknowl	Human-Post Approval Activities	Apple, Prinz	Pre Submission	3/28/2014 2:07 PM	Request for Acknowledgement
®PAA	H13-00044- A001	asdasd	Human-Post Approval Activities	Apple, Prinz	Pre Submission	1/9/2014 8:57 AM	Completion of Behavioural Study
®PAA	H12-00045- A001	Brain Study - Amendment 1	Human-Post Approval Activities	Epple, Prince	Pre Submission	12/5/2012 11:00 AM	Amendments to Study
			N d 1 t	to 3 of 3 D			10 / page

Committees Studies Help

My Home for Prince Epple

A PI and Staff

My Roles

PI & Staff

Committee Member REB Guest Reviewer

Create:



Send Feedback

Committees

Name

24 Animal Care Committee

& BC Cancer Agency Research Ethics Board

& Biosafety Committee

& Children's and Women's Research Ethics Board

Clinical Research Ethics Board

& Conflict of Interest Committee

Providence Health Care Research Ethics Board

UBC Behavioural Research Ethics Board

UBC Okanagan
Behavioural Research
Ethics Board

My Home for Prince Epple

♠ Open notifications

Welcome to your personal RISe Home Page.

To view your ethics studies or declarations select the applicable grey tab below (Animal Care, Human Ethics, Conflict of Interest). Click here for FAQs.

My Inbox Conflict of Interest Human Ethics Animal Care Biosafety Inactive Reports/Tutorials

Your 'Inbox' is a folder for receiving items that require your attention. Once each item is addressed, it will leave your 'Inbox' and be filed under one of the other applicable tabs. Click on the name of the study to see details of the application or Post Approval Activity (PAA).

New Applications

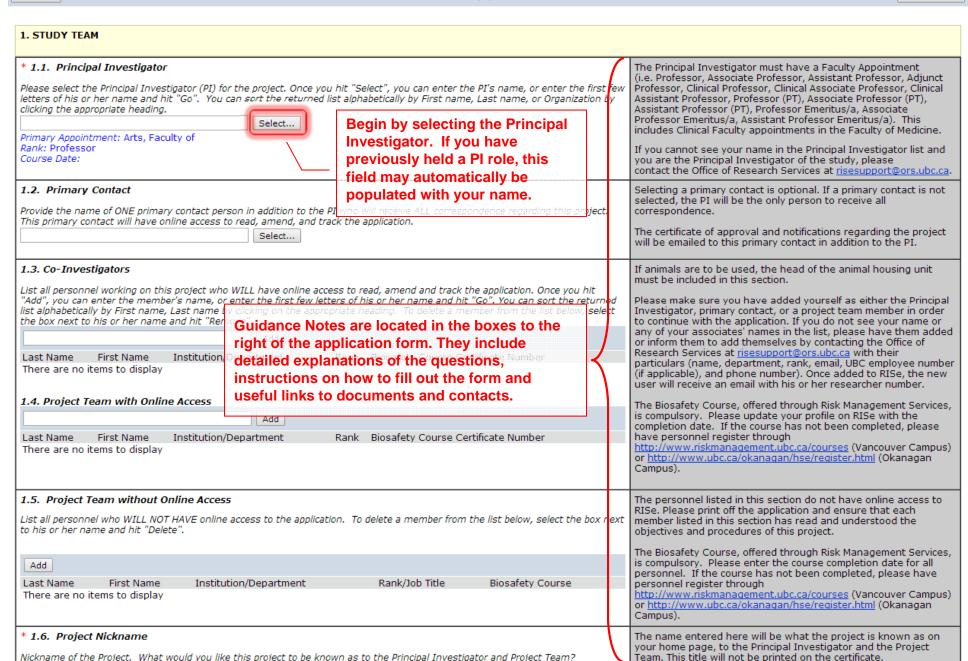
Click to create a new Biosafety application for a brand new study.

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	ID	Name	Туре	Owner	State	■ Last State Change
發	B14-0007	RISe Tutorial	Biosafety	Epple, Prince	Pre Submission	5/15/2014 8:52 AM
3	H14-00036	PFM Kenya	Human Ethics	Epple, Prince	Pre Submission	4/15/2014 9:28 AM
3	H14-00031	Abdo pain NYD	Human Ethics	Epple, Prince	Pre Submission	4/9/2014 8:30 AM
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3	H13-00049	Comment 111	Human Ethics	Epple, Prince	Pre Submission	4/10/2013 1:48 PM
				of 31 ▷ Ⅺ		10 / page

Post Approval Activities (In Progress)

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ID	Name	Туре	Owner	State		РАА Туре
PAA H13-00044- A002	request for acknowl	Human-Post Approval Activities	Apple, Prinz	Pre Submission	3/28/2014 2:07 PM	Request for Acknowledgement
PAA H13-00044- A001	asdasd	Human-Post Approval Activities	Apple, Prinz	Pre Submission	1/9/2014 8:57 AM	Completion of Behavioural Study
PAA H12-00045- A001	Brain Study - Amendment 1	Human-Post Approval Activities	Epple, Prince	Pre Submission	12/5/2012 11:00 AM	Amendments to Study
		W 4 1 1	to 3 of 3 D			10 / page

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Continue >> Save | | Print... << Back Filter by last name and Select Person - Google Chrome include a "%" in front to 1. STUDY TEAM mistramaximize results. sandbox.rise.ubc.ca/sandbox/CommonAdr * 1.1. Principal Investigator ent Select Person Adjunct Please select the Principal Investigator (PI) for the project, Once you hit "Select", you can enter the Clinical letters of his or her name and hit "Go". You can sort the returned list alphabetically by First name, (PT), ▼ %epple Clear Advanced Filter by Last Name clicking the appropriate heading. his Select... Total Selected: 1 edicine. Primary Appointment: Arts, Faculty of ■ Last Name First Name Organization Rank: Professor list and Course Date: Administrator System Webridae irs.ubc.ca. Prinz UBC Apple 1.2. Primary Contact act is not Prince Arts, Faculty of Epple Provide the name of ONE primary contact person in addition to the PI who will receive ALL correspond Nead epartment of Select the name of the This primary contact will have online access to read, amend, and track the application. Kirk epartment of e project Select... Principal Investigator. Smith epartment of Smith Jane K. Medicine, Department of 1.3. Co-Investigators a unit ☑ 4 1-7 of 7 ▷ ☑ Total Selected: 1 List all personnel working on this project who WILL have online access to read, amend and track th "Add", you can enter the member's name, or enter the first few letters of his or her name and hit Principal OK Cancel list alphabetically by First name, Last name by clicking on the appropriate heading. To delete a men in order the box next to his or her name and hit "Remove". name or em added e of Click "OK" to add your Last Name First Name Institution/Department Rank Biosafety Course Cerl ee number selection. There are no items to display the new ber. 1.4. Project Team with Online Access Services, Add please Last Name First Name Institution/Department Rank Biosafety Course Cerl Campus) There are no items to display lagan 1.5. Project Team without Online Access ccess to List all personnel who WILL NOT HAVE online access to the application. To delete a member from the list below, select the box next member listed in this section has read and understood the to his or her name and hit "Delete". objectives and procedures of this project. The Biosafety Course, offered through Risk Management Services, is compulsory. Please enter the course completion date for all Add personnel. If the course has not been completed, please have Last Name First Name Institution/Department Rank/Job Title Biosafety Course personnel register through http://www.riskmanagement.ubc.ca/courses (Vancouver Campus) There are no items to display or http://www.ubc.ca/okanagan/hse/register.html (Okanagan Campus). * 1.6. Project Nickname The name entered here will be what the project is known as on your home page, to the Principal Investigator and the Project Nickname of the Project. What would you like this project to be known as to the Principal Investigator and Project Team? Team. This title will not be printed on the certificate.

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Make it a habit to hit "Save" before you "Continue" to the next page

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1.	511	JDY	11	ΑМ

1. STUDY TEAM		
that the question is a require Provide the name of ONE prounding will not be		The Principal Investigator must have a Faculty Appointment (i.e. Professor, Associate Professor, Assistant Professor, Adjunct Professor, Clinical Professor, Clinical Associate Professor, Clinical Assistant Professor, Professor (PT), Associate Professor (PT), Assistant Professor (PT), Professor Emeritus/a, Associate Professor Emeritus/a, Associate Professor Emeritus/a, Assistant Professor Emeritus/a). This includes Clinical Faculty appointments in the Faculty of Medicine. If you cannot see your name in the Principal Investigator list and you are the Principal Investigator of the study, please contact the Office of Research Services at risesupport@ors.ubc.ca . Selecting a primary contact is optional. If a primary contact is not selected, the PI will be the only person to receive all correspondence.
		will be emailed to this primary contact in addition to the PI.
1.4. Project Team with Online Access Add	f his or her name and hit "Go". You can sort the returned	If animals are to be used, the head of the animal housing unit must be included in this section. Please make sure you have added yourself as either the Principal Investigator, primary contact, or a project team member in order to continue with the application. If you do not see your name or any of your associates' names in the list, please have them added or inform them to add themselves by contacting the Office of Research Services at risesupport@ors.ubc.ca with their particulars (name, department, rank, email, UBC employee number (if applicable), and phone number). Once added to RISe, the new user will receive an email with his or her researcher number. The Biosafety Course, offered through Risk Management Services, is compulsory. Please update your profile on RISe with the completion date. If the course has not been completed, please have personnel register through http://www.riskmanagement.ubc.ca/courses (Vancouver Campus) or http://www.ubc.ca/okanagan/hse/register.html (Okanagan Campus).
1.5. Project Team without Online Access List all personnel who WILL NOT HAVE online access to the application. to his or her name and hit "Delete". Add Last Name First Name Institution/Department There are no items to display	To delete a member from the list below, select the box next Rank/Job Title Biosafety Course	The personnel listed in this section do not have online access to RISe. Please print off the application and ensure that each member listed in this section has read and understood the objectives and procedures of this project. The Biosafety Course, offered through Risk Management Services, is compulsory. Please enter the course completion date for all personnel. If the course has not been completed, please have personnel register through http://www.riskmanagement.ubc.ca/courses (Vancouver Campus) or http://www.ubc.ca/okanagan/hse/register.html (Okanagan Campus).
* 1.6. Project Nickname Nickname of the Project. What would you like this project to be known a	s to the Principal Investigator and Project Team?	The name entered here will be what the project is known as on your home page, to the Principal Investigator and the Project Team. This title will not be printed on the certificate.

Save | Exit | Hide/Show Errors | Print... | Jump To: View 2 Study Dates and Funding •

Continue >>

2. STUDY DATE AND FUNDING		
2.1. Start Date		
What is the Start date of this Project? Use the calendar b the format yyyy-mm-dd	ox to select the date (Internet Explorer) or enter the date manually usir	g
Start Date:	Whenever you encounter questions that	
	require you to input a date, please use	
2.2. Title of Project	the calendar icon to select your dates as	
If there is no research funding application associated with	it will ensure the proper formatting of	
associated research application with this project, please p	Syoursentryse enter the title of the project below. If there is an object to question 2.3.	
Source of Funds Clearly identify the application for research funding associated funds can be made available to you once this project received: 2.3. Research Funding Application/Award Associated	Question 2.3 lists the research funding applications/awards that have been submitted to the UBC Office of Research Services and entered into our database. Identifying the associated research funding application/award will ensure that awarded research funds will be made available to you once this biosafety application receives approval.	
Please click "Add" to identify the research funding application of all research funding applications that have been submit the PI). If the research funding application/award association 2.4.	Please ensure you select the correct application. Note that the first	
Add		A fee of \$300 will be charged for applications requiring review by
UBC Number Title	Funding PI Sponsor	the UBC Biosafety Committee that are funded by a for-profit agency. The fee is a one-time-only fee for each specific application
There are no items to display		and covers initial review, annual renewals, and minor amendments for the next four years.
2.4. Research Funding Application/Award Associate	d with the Project not listed in question 2.3.	
Click "Add" to enter the details for the research funding a 2.3.	pplication/award associated with this project that is not listed in questio	7
Add		
Project Title	Sponsor	
There are no items to display		
L	v if you are working on the view for a long period of time, select the "Save" b	utton located at the top OR bottom of the view in the blue bar. Your work on each

To save information on each view as you are working, especially if you are working on the view for a long period of time, select the "Save" button located at the top OR bottom of the view in the blue bar. Your work on each view will automatically be saved once you hit the "Continue" button.

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<< Back | Save | Exit | Hide/Show Errors | Print... | Jump To: View 2 Study Dates and Funding •

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2. STUDY DATE AND FUNDING 2.1. Start Date What is the Start date of this Project? Use the calendar box to select the date (Internet Explorer) or enter the date manually using the format yyyy-mm-dd Start Date: 05/15/2014 May, 2014 Today 2.2. Title of Project Sun Mon Tue Wed Thu Fri Sat If there is no research funding ap please enter the title of the project below. If there is an associated research application will 8 9 10 estion 2.3. 5 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 Source of Funds Question 2.3 lists the research funding applications/awards that Select date have been submitted to the UBC Office of Research Services and Clearly identify the application for research funding associated with this biosafety project. This will ensure that awarded research entered into our database. Identifying the associated research funds can be made available to you once this project receives approval. funding application/award will ensure that awarded research funds will be made available to you once this biosafety application 2.3. Research Funding Application/Award Associated with the Project Submitted to the UBC Office of Research Services receives approval. Please ensure you select the correct application. Note that the first Please click "Add" to identify the research funding application/award associated with this project. Selecting "Add" will list the sources two digits of the application number indicate the year the of all research funding applications that have been submitted by the PI (and the person completing this application if different from application was submitted (eg. Application #06-0001 was the PI). If the research funding application/award associated with this project is not listed below, please enter those details in submitted in 2006). question 2.4. Add A fee of \$300 will be charged for applications requiring review by the UBC Biosafety Committee that are funded by a for-profit Title **UBC Number** Funding PI Sponsor agency. The fee is a one-time-only fee for each specific application There are no items to display and covers initial review, annual renewals, and minor amendments for the next four years. 2.4. Research Funding Application/Award Associated with the Project not listed in question 2.3. Click "Add" to enter the details for the research funding application/award associated with this project that is not listed in question 2.3. Add Project Title Sponsor There are no items to display

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<< Back | Save | Exit | Hide/Show Errors | Print... | Jump To: View 2 Study Dates and Funding + Continue >>

Save | Exit | Hide/Show Errors | Print... | Jump To: View 3* Study Overarching Category •

Continue >>

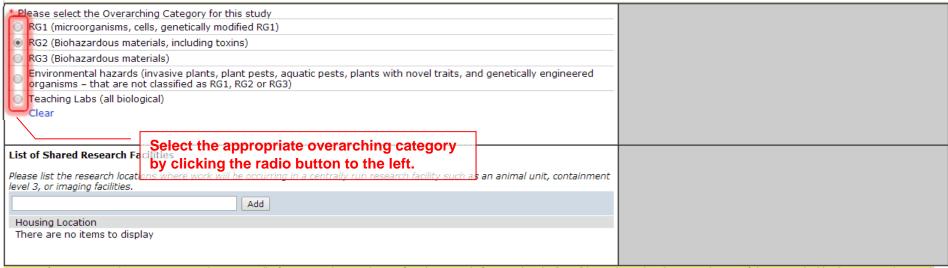
3. STUDY OVERARCHING CATEGORY

Note for applicants:

- If you are using both RG1 and RG2, only a RG2 application needs to be filled out.
- If you are using plant pathogens then please fill out an RG1 application.
- Use the provided Environmental Hazard Tool, to determine if your organism is considered an invasive plant, plant pest, or aquatic pest.

Genetically engineered organisms are defined as:

- the plant, animal or microorganism exhibits characteristics that were not previously observed in that plant, animal or microorganism,
- the plant, animal or microorganism no longer exhibits characteristics that were previously observed in that plant, animal or microorganism, or
- one or more characteristics no longer fall within the anticipated range for that plant, animal or microorganism.



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<< Back

Save | Exit | Hide/Show Errors | Print... | Jump To: View 3* Study Overarching Category •

Save | Exit | Hide/Show Errors | Print... | Jump To: View 3 Procedures and Methodology •

Continue >>

View 3 collects material and 3. MATERIAL INFORMATION, PROCEDURES procedures information. * 3.1. Objectives of Research Describe how you would explain to a non-scientist, the aim, specific objective(s) and general experimental approach, Please do not submit the abstract from your funding application. The summary should provide the requested information in lay terms, so that someone who is unfamiliar with your work will be able to appreciate what you do. * 3.2. Summary of Methodology and Procedures 3.2 - Cut and pasting methodologies from grant applications is not sufficient. The Reviewers will be looking for the following information. Propagation of Influenza Note: this includes animal experiments involving biological materials or toxins as well. Virus will be propagated in pathogen-free, embryonated chicken eggs. Eggs will be inoculated, incubated at 37'C for Short procedure or methodology name 48h, and the allantoic fluid collected Brief description · Risks of the procedure or methodology Influenza poses an inhalation risk; needles used to inoculate the egg pose a sharps risk PPF needed • Long pants, full covering shoes, dedicated lab coat, double How risk is mitigated (administrative and engineering controls) gloves, and N95 respirator if work occurs outside the BSC Decontamination of materials and surfaces All work will occur in a biosafety cabinet Class II A2. Safety Please attach your exposure control plan for pathogens infecting humans, below. needles will be used to prevent accidental inoculation. All workers will enroll in the Medical Surveillance Program. · 10% bleach or 70% ethanol will be used to decontaminate. Minimum contact time of 15 minutes. Sharps will be collected in approved sharps container. Please attach additional documents if required below by selecting the "Add" button. Add Title There are no items to display * 3.3. Biosecurity 3.3 - Biosecurity is defined as security measures designed to prevent loss, theft, misuse, diversion or intentional release of Describe the three parts of your biosecurity plan for RG2 organisms and toxins: pathogens and toxins. Security controls

* 3.3. Biosecurity Describe the three parts of your biosecurity plan for RG2 organisms and toxins: • Security controls • Inventory system • Emergency procedure for stolen/misused materials			3.3 - Biosecurity is defined as security measures designed to prevent loss, theft, misuse, diversion or intentional release of pathogens and toxins.
* 3.4. Recombinant Viral Vectors (incl			3.4 - Further Details are to be provided in section 4.
Oces your work involve recombinant viral Yes No Clear	If you select "Yes" you will be taken to View enter Recombinant Viral Vectors information		
* 3.5. Genetically modified organisms	Otherwise, you will not pass through the Vie	w 4.	
3.5.1. This project uses non-pathogenic l	coli with non-hazardous gene alterations		
○ Yes ○ No Clear			
* 3.5.2. This project uses genetically alte	red animal cell.		
Yes No Clear			
* 3.5.3. This project uses genetically alte	red human cell lines.		
○ Yes ○ No Clear			
List genetic alterations and the method or	genetic modification.		
* 3.5.4. This project uses other risk gro	up 2 genetically modified organisms?		
Yes No Clear			
TES O NO CIRCI	If the study uses genetically modified		
* 3.6. Biohazardous Waste	organisms, you will be taken to View 5.		3.6 - Describe procedures for liquid waste, solid waste and tissue samples/animal carcasses. Human or animal blood fluid or tissue
3.6.1.	Otherwise, you will not pass through View 5.		should be included in 3.6.1.
What procedures are used for the decontamination and disposal of biohazardous waste. For autoclaved waste indicate the RMS approved autoclave room being used.			Example All waste contaminated with influenza virus will be treated with 10% bleach for 30min, the liquid removed and the solid waste is held for 48hours and then autoclaved (121deg, 15psi, 60min). The waste will then be picked up with ESF.
If applicable, attach Standard Operating Procedures (SOPs) below by clicking the "Add" button.			Liquid waste is treated with 10% bleach for 30minutes. The solution is neutralized and then poured down the sink.

What procedures are used for the decontamination and disposal of biohazardous waste. For autoclaved waste indicate the RMS approved autoclave room being used. Example All waste contaminated with influenza virus will be treated with	
waste will then be picked up with ESF.	
If applicable, attach Standard Operating Procedures (SOPs) below by clicking the "Add" button. Liquid waste is treated with 10% bleach for 30minutes. The solution is neutralized and then poured down the sink.	
All sharps waste is autoclaved on their sides (121deg, 15psi	
Title 60min) then be picked up by ESF.	
There are no items to display Any radioisotope waste needs to be included in 3.6.2.	
* 3.6.2. Note: Decontamination and disposal methods must be described fully; statements such as "waste will be decontaminated and disposed of as per UBC regulations" are not sufficient.	
O Yes O No Clear	
If "Yes", what procedures will be used for the decontamination and disposal of the combined radioactive-biohazardous waste? If applicable, attach Standard Operating Procedures (SOPs) below by clicking the "Add" button. Add Title There are no items to display	
* 3.7. Recombinant DNA	
If this is a US funded Recombinant DNA study (both answers are "Yes"), you will * 3.7.2. Do you receive funding from the Ur Yes No clear Otherwise, you will not pass through View A.	
* 3.8. Inventory 3.8 - The Committee and HPTA requires an inventory of what where materials are stored be kept on file. This inventory materials are stored by the committee and HPTA requires an inventory materials are stored by the committee and HPTA requires an inventory materials are stored by the committee and HPTA requires an inventory materials are stored by the committee and HPTA requires an inventory of what where materials are stored by the committee and HPTA requires an inventory of what where materials are stored by the committee and HPTA requires an inventory materials are stored by the committee and HPTA requires an inventory of what where materials are stored by the committee and HPTA requires an inventory of what where materials are stored by the committee and HPTA requires and	
requested by the Committee for inspection during facility and	
Type of Biological Host Biological Species/Source/Common Other Material Range Material Name Information There are no items to display Species/Source/Common Other Building Room Room Containment Used Level If the facility or organisms you are using is not listed, please contact the Biosafety Committee at biosafety@ors.ubc.ca.	
Appropriate containment levels can be found at the Public He Agency of Canada website by clicking here.	ealth
Please note, the containment level is dependent on both the procedures to be used and the organism. To save information on each view as you are working, especially if you are working on the view for a long period of time, select the "Save" button located at the top OR bottom of the view in the blue bar. Your work	

To save information on each view as you are working, especially if you are working on the view for a long period of time, select the "Save" button located at the top OR bottom of the view in the blue bar. Your work on each view will automatically be saved once you hit the "Continue" button.

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Save | Exit | Hide/Show Errors | Print... | Jump To: View 4 Recombinant Viral Vectors (Including Lentiviral) 🕶

4. RECOMBINANT VIRAL VECTORS (INCLUDING-LENTIV	IRAL)				
* 4.1.					
The recombinant virus will be propagated at a UBC laboratory (institution)	View 4 collects information about Recombinational Vectors including lentiviral.	ant			
Yes No Clear					
If "No" to 4.1 please indicate the source of the virus. Indicate the any applicable documentation. Please attach additional documents if required below by selections and the selection of the control o	whether any replication competent testing has occurred and attach				
* 4.2. A. What is the Genus/Species and assessed risk of the backbone vector? B. What is the Genus/Species and assessed risk of the envelop vector or gene? C. What is the intended target or host (in vitro and/or in vivo) and the assessed risk or risk group? D. Is the recombinant virus permissive in the intended target or host? E. Any other applicable information (e.g. the generation of lentivirus and the number of plasmids needed for recombination)		4.2 -This section applies to all recombinant viral vectors.			
Attach any in-lab replication competency testing results.					
Add					
Title There are no items to display					
* 4.3. Describe the genetic or molecular "cargo" the vectors are designated by the sectors are designated by the sector are designated by t	ned to carry (e.g. reporter genes, cDNAs, siRNAs, etc.)				

Save | Exit | Hide/Show Errors | Print... | Jump To: View 5 Other methods for generating GMOs •

5. Other methods for generating GMOs		
* 5.1. The modified organism will be generated at a UBC laboratory (not purinstitution)	View 5 collects Genetically Modified Organisms information.	
○ Yes ○ No Clear		
If "No" to 5.1, please indicate the source of the modified organism. In	dicate whether any Importation permits were required.	
* 5.2. A. What is the Genus/Species and assessed risk of the base orga B. Is there an expected increase in the risk to humans or animals C. What is the expected environmental impact if there was a release	s? If so, what?	5.2 - This section applies to all genetically modified organisms not posing a risk to human or animal health.
Attach any applicable information.		
Add		
Title There are no items to display		
* 5.3. Describe the transgene, molecular "cargo", or modifications of the org	nanism, and the associated risks.	

Save | Exit | Hide/Show Errors | Print... | Jump To: View A US funded Recombinant DNA 🕶

US funded Recombinant DNA				
* 1. Give specific reference for your experiment from the NIH Guil Section III-D-4-a).	View A collects information for US funded Recombinant DNA studies.	The NIH Guidelines can be accessed at http://oba.od.nih.gov/rdna/nih_guidelines_oba.html		
* 2. Indicate and describe which of the following applies to this property a. Construction and/or use of synthetic DNA/RNA (e.g. probes b. Creation of c-DNA/genomic libraries c. DNA/RNA sequencing d. Use of recombinant or synthetic DNA/RNA in microorganism e. Use of recombinant or synthetic DNA/RNA in non-exempt of the synthetic DNA/RNA in animals included g. Use of recombinant or synthetic DNA/RNA in cell culture h. Potential for toxic products to be produced/released from rean LD50 of less than 100 nanograms per kilogram (ng/kg) i. Potential for infectious agents to be produced/released from the synthetic DNA/RNA in cell culture and LD50 of less than 100 nanograms per kilogram (ng/kg) i. Potential for infectious agents to be produced/released from the synthetic DNA/RNA in cell culture and LD50 of less than 100 nanograms per kilogram (ng/kg) i. Potential for infectious agents to be produced/released from the synthetic DNA/RNA in animals included the synthetic DNA/RNA in cell culture h. Potential for toxic produces to be produced/released from the synthetic DNA/RNA in cell culture h. Potential for toxic produces to be produced/released from the synthetic DNA/RNA in cell culture h. Potential for infectious agents to be produced/released from the synthetic DNA/RNA in cell culture h. Potential for infectious agents to be produced/released from the synthetic DNA/RNA in cell culture h. Potential for infectious agents to be produced/released from the synthetic DNA/RNA in cell culture h. Potential for infectious agents to be produced/released from the synthetic DNA/RNA in cell culture h. Potential for infectious agents to be produced/released from the synthetic DNA/RNA in animals include the synt	rs, DNA or RNA oligonucleotides) Ins that are exmpt under NIH Guidelines, Section III-F Inicroorganisms If you weight and mammals If you weight If you weight			
a. Release of biological toxins (NIH Guidelines, Section III-B-1 b. Antibiotic/herbicide resistance (NIH Guidelines, Section III-, c. Increase of tropism (NIH Guidelines, Appendix B-V) d. Increase of virulence (NIH Guidelines, Section II-A-3)	and Appendix F)			

Save | Exit | Hide/Show Errors | Print... | Jump To: View 6 Ethics -

6. ETHICS				
* 6.1. Human Ethics 6.1.1. Is any human tissue, blood (or other potential infectious material) or be Yes No Clear If "Yes", complete the following questions in 6.1. 6.1.2.	View 6 collects ethics information. ody fluid used for this project?	Please specify the source of human tissue (e.g. primary source, purchased from approved vendor, etc.)		
Provide the Ethics Certificate Number(s) below. 6.1.3. What is the source of human tissue, blood or fluid?				
* 6.2. Animal Ethics 6.2.1. Are animals used for this project? Yes No Clear If "Yes" please complete the following questions in 6.2. 6.2.2. Provide the Animal Care Application Number(s) below 6.2.3.	I to protect themselves when dealing with animals and			
Have all animal care staff been made aware of any precautions required handling bedding? Yes No Clear 6.2.4. If animals are exposed to the biohazard agents listed in this project, clicexposure. Add Agent Routes of Exposure Procedures to There are no items to display				

You have reached the end of the Biosafety Application.

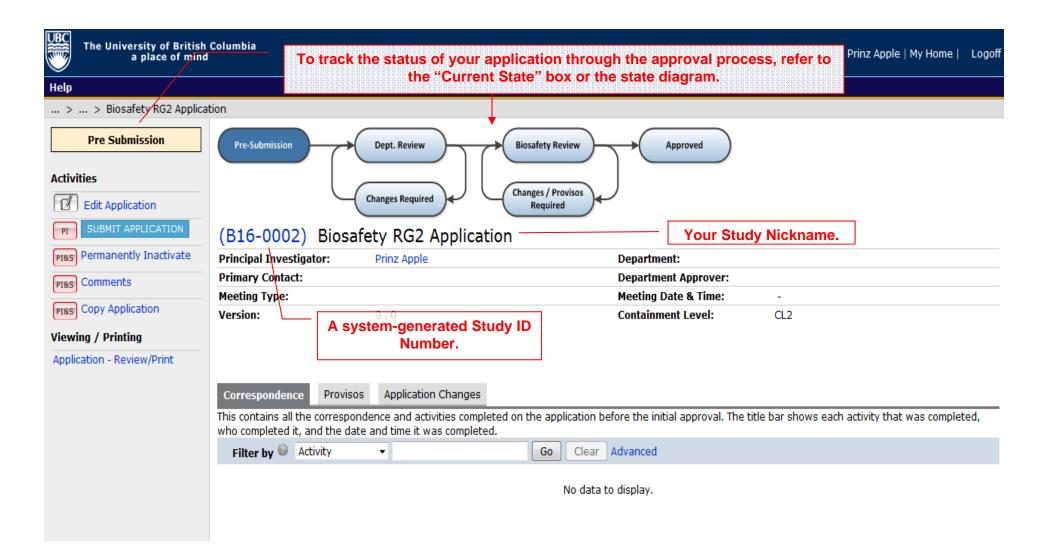
OPTIONS

- 1) submit application (PI only) click the "Continue" button and "Submit application" on the next page. NOTE: the "Submit application" button is only visible to the PI.
- 2) work on this application later click the "Continue" button. Your application will be in "Pre Submission" and saved in your inbox.

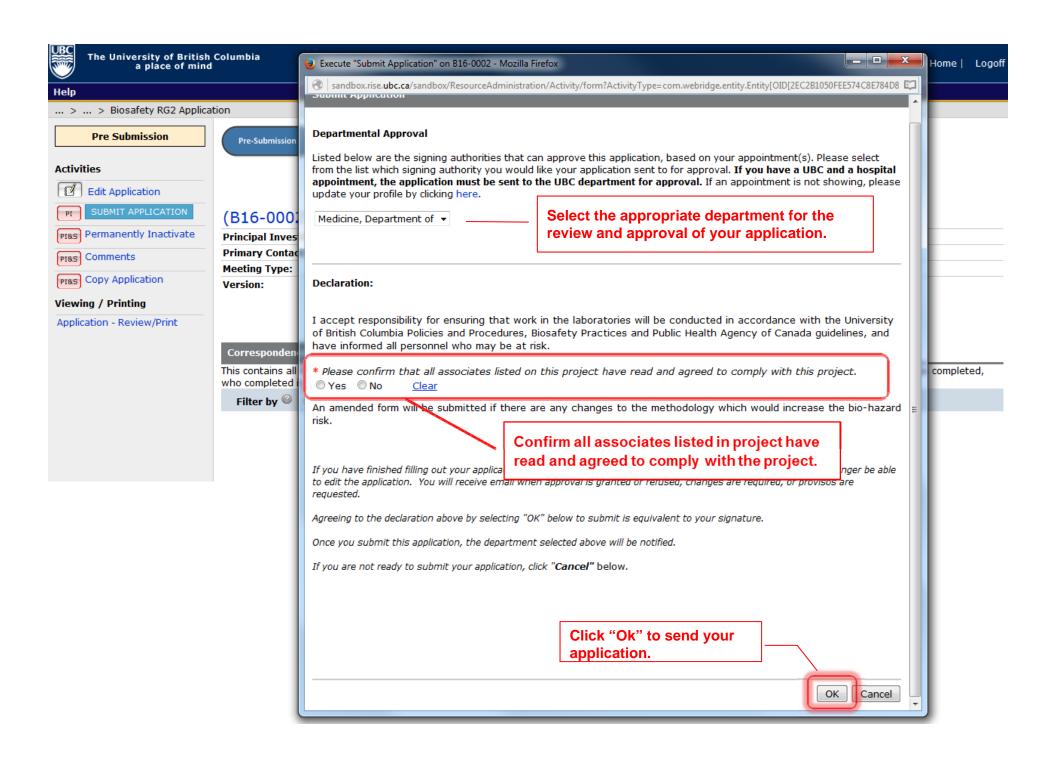
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Hit "Continue" to save and close the application – You will automatically be taken to the Study Homepage.



As the state of your application is "Pre Submission", your application is still open for any edits you may want to make – click on the "Edit Application" button to go back into the application.





Help

Activities

... > ... > Biosafety RG2 Application

Department Review

PI Permanently Inactivate

Notice the state of your application is now "Department Review" and your application is awaiting approval from the head of your department. If you notice a delay, please contact your Department Head. The Committee will not receive the application until it is approved by your Department Head.

Pre-Submission Dept. Review Biosafety Review Approved Changes / Provisos Required Required

(B16-0002) Biosafety RG2 Application

Provisos

Submit Application

Activity

Application Changes

Principal Investigator:	Prinz Apple	Department:	Medicine, Department of
Primary Contact:		Department Approver:	
Meeting Type:		Meeting Date & Time:	-
Version:	0.1	Containment Level:	CL2

This contains all the correspondence and activities completed on the application before the initial approval. The title bar shows each activity that was completed, who completed it, and the date and time it was completed.

Filter by Activity

Go Clear Advanced

Activity Date

13/01/2016 13:19

Author

Apple, Prinz

All your activities and comments can be viewed under the Correspondence tab.

Viewing / Printing

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PI&S Copy Application

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Application - Review/Print

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Help

