1. **Principal Investigator Name and Title:**

2. **Alternate contact:**

3. **Proposal Title:**

4. **List UR participant names AND their corresponding roles:**
   Complete the following table with the names of UR staff involved in this proposal correlated with their roles. Lab Safety Training records for those employees who work in a lab or supervise lab employees will be checked for completion of this annual requirement. Please expand table as necessary.

   Link to Environmental Health and Safety Lab Safety Training page: http://www.safety.rochester.edu/ih/ihlabhome.html

UR Employee Name	Role in Study

5. **Insert Technical Abstract or Summary or Statement of work:**

6. **Hazard Analysis: Please choose one option and complete corresponding sections.**

☐ **Option A.** There are no chemical, biological, or radiological hazards involved in this project. This project will be conducted in: Building: Room:

The standard emergency procedures as outlined in the Emergency 13 Flip Chart and in the Emergency Preparedness Manual will be adhered to.

_____
Signature of Principal Investigator Date

If you have checked the box above, you are finished. Please sign, date, and submit with your signed PI Assurance form to Sonia Rosenberger or Bob Passalugo at Environmental Health and Safety.
E-mail: srosen22@safety.rochester.edu or bpassalugo@safety.rochester.edu
FAX: 274-0001 EH&S RC Box 278878

	Option B. There are hazardous agents associated with this research proposal. List the hazardous agents that you reasonably expect to use in this research in the sections below 6.B.1 through 6.B.3.

6.B.1. Biologicals: Check applicable box and list agents in the table below. Expand table as needed.

	No Biologicals will be used.

	Biologicals will be used. List BELOW the pathogens (human animal, plant), mammalian cells or tissues and their SPECIES of ORIGIN, and briefly describe recombinant DNA constructs (including mammalian virus vectors)

6.B.2. Radiologicals: Check applicable box and list agents in the table below. Expand table as needed.

	No radioactive materials will be used.

	Radioactive materials will be used. List BELOW.

6.B.3. Chemicals: Check applicable box and list agents in the table below. Expand table as needed.

	No **HAZARDOUS** Chemicals will be used.

	HAZARDOUS chemicals will be used. List the Hazardous chemicals BELOW. Examples include: Antineoplastic / Antitumorigenic agents; Anesthetic gases; Disinfectants; Formaldehyde / Paraformaldehyde; Solvents; Toxic agents (i.e., neurological, hepatic, nephrotoxic, etc.); Toxins of biological origin; new agents with unknown hazards

If you have declared any hazardous material in 6.B.1. through 6.B.3., please complete the rest of the form.

7. List laboratory areas where this research will take place AND corresponding responsible PI:

Room Number	Principal Investigator

8. Safety Plan

All individuals working on this project will adhere to the University standards for research laboratories, including the Chemical Hygiene Program, the Radiation Safety Manual, and the Exposure Control Plan for Bloodborne Pathogens.

If this grant were to be funded, the use of unfixed human specimens, pathogens, infectious agents, and recombinant DNA will be registered with the University's Institutional Biosafety Committee per University requirements.

8.a. Biologicals

1. Personnel protective equipment such as gloves, lab coats, and eye protection will be worn to prevent contact of skin and mucous membranes with potentially infectious materials. A class II biosafety cabinet certified within the last year will be used to provide general aerosol and splash protection.
2. The use of sharps including needles, scalpel, and glass in concert with human tissues will be severely limited. All sharps are disposed of in a sharps container.
3. Any liquid waste contaminated with biologicals will be decontaminated prior to disposal. Solid biohazardous waste will be managed according to University standards and will be disposed of in red bags. Human tissue will be discarded through the University's Crematory. Animal tissue is disposed of separately through the Vivarium.
4. All work areas potentially contaminated with biologicals including the biosafety cabinet work surface will be decontaminated following work.
5. Hands are washed immediately following glove removal.
6. All biohazardous materials transported through the corridors are sealed in secondary containment.
7. All locations used for work with human tissues will be labeled with the biohazard symbol, emergency contacts, the name of agent, and biosafety level. All equipment used for such experiments will be labeled as well with the biohazard symbol.

8.b. Chemicals

1. Personnel protective equipment such as gloves, lab coats, and eye protection will be worn to prevent contact of skin and mucous membranes with potentially hazardous materials. A fume hood will be used to provide general aerosol and splash protection.
2. All sharps including but not limited to needles, scalpels, and pasteur pipettes are disposed of in a sharps container.
3. All hazardous chemical waste will be disposed of per University standards and through the Hazardous Waste Management Unit.
4. If animals are perfused with a fixative, preparation of reagents is done in a fume hood and the perfusion is done using a ducted exhaust system.
5. Chemical disinfection of surgical equipment is done in an exhausted system to prevent inhalation exposures.
6. All potentially contaminated work areas will be decontaminated following work.
7. Hands are washed immediately following glove removal.
8. All hazardous chemicals transported through the corridors are sealed in secondary containment.

8.c. Radioactive Materials

All radiological materials are used in accordance with the University's Radiation Manual. Our radiation permit currently covers all radiological materials proposed for this study.

8.d. Emergency spill and exposure procedures
Emergency procedures are provided through the Emergency 13 flipcharts, through the Chemical Hygiene Program, through the Radiation Safety Manual, and through the Exposure Control Plan for Bloodborne Pathogens. All exposures to hazardous materials (human specimens, chemicals, and radioactive materials) are reported to University Health Services Occupational Health Unit (X5-1164). All major spills are reported to Security at x13.

8.e. Hazardous chemical waste disposal
Specific areas (Hazardous Waste Satellite Accumulation Area) are maintained in fume hoods or other well-ventilated cupboards for the collection, segregation, and short-term storage of hazardous chemical wastes. Waste bottles or containers are held within secondary containment. Waste bottles or containers are labeled with the words "Hazardous Waste". Labels must identify the contents of the bottle or container. The Hazardous Waste Management Unit (x5-2056) is contacted for pick-up when the containers are 3/4 full.

8.f. Specific Safety Measures that will be used: Check all that apply.

	Fume hood		**Glove box**		**Slot hoods**
	Biosafety cabinet		**Canopy hood**		**Articulating exhaust lines**

	Safety glasses		**Safety goggles**		**Latex gloves**		**Shoe covers**
	Face shield		**Lab coats**		**Nitrile gloves**		**Head covers**
	Mask		**Gowns**		**Butyl gloves**		**Respirator**

I have read and understand the environmental health and safety requirements related to my research project. I have answered the above questions accurately to the best of my knowledge. As principal investigator, I am aware of those areas where I am required to provide lab-specific or project-specific training. Everyone who will be working on my research project will receive all of the required training prior to commencing work.

_____ _____
Principal Investigator Date

Please sign, date, and submit with your signed Principal Investigator Assurance form to Sonia Rosenberger or Bob Passalugo at Environmental Health and Safety.
E-mail: srosen22@safety.rochester.edu or bpassalugo@safety.rochester.edu
FAX: 274-0001 EH&S RC Box 278878