Potentially Hazardous Biological Agents Risk Assessment Form (6A)

Required for research involving microorganisms, rDNA, fresh/frozen tissue (including primary cell lines, human and other primate established cell lines and tissue cultures), blood, blood products and body fluids.
SRC/IACUC/IBC approval required before experimentation.

Student's Name(s) Jason Linzer

Title of Project Examining P53 Mutant Triple Negative Breast Cancer Cell Viability and Sphingosine Kinase 1 in Response to CHK1 Inhibitor and Doxorubicin

To be completed by the QUALIFIED SCIENTIST/DESIGNATED SUPERVISOR in collaboration with the student researcher(s). All questions are applicable and must be answered; additional page(s) may be attached.

SECTION 1: PROJECT ASSESSMENT

1. Identify potentially hazardous biological agents to be used in this experiment. Include the source, quantity and the biosafety level risk group of each microorganism.

   Mammalian Cells (MDA-231), BSL-1, from ATCC (Catalogue # HT-26)

2. Describe the site of experimentation including the level of biological containment.

   At a regulated research institution with a Biosafety cabinet (Tissue culture room), BSL-2

3. Describe the procedures that will be used to minimize risk (personal protective equipment, hood type, etc.).

   (See Attached)

4. What final biosafety level do you recommend for this project given the risk assessment you conducted?

   BSL-2

5. Describe the method of disposal of all cultured materials and other potentially hazardous biological agents.
   (See Attached)

SECTION 2: TRAINING

1. What training will the student receive for this project?
   (See Attached)
2. Experience/training of Designated Supervisor as it relates to the student's area of research (if applicable).
   (See Attached)

SECTION 3: For ALL CELL LINES, MICROORGANISMS AND TISSUES – To be completed by the QUALIFIED SCIENTIST or DESIGNATED SUPERVISOR - Check the appropriate box(es) below:

☐ Experimentation on the microorganisms/cell lines/tissues to be used in this study will NOT be conducted at a Regulated Research Institution, but will be conducted at a (check one) ☐ BSL-1 or ☐ BSL-2 laboratory. This study has been reviewed by the local SRC and the procedures have been approved prior to experimentation.

☑ Experimentation on the microorganisms/cell lines/tissues to be used in this study will be conducted at a Regulated Research Institution and was approved by the appropriate institutional board prior to experimentation; institutional approval forms are attached.

Origin of cell lines: ATCC (Catalogue # HTB-26) Date of IACUC/IBC approval 2/21/2017

☐ Experimentation on the microorganisms/cell lines/tissues to be used in this study will be conducted at a Regulated Research Institution, which does not require pre-approval for this type of study. The SRC has reviewed that the student received appropriate training and the project complies with ISEF rules.

CERTIFICATION – To be SIGNED by the QUALIFIED SCIENTIST or DESIGNATED SUPERVISOR

The QS/DS has seen this project's research plan and supporting documentation and acknowledges the accuracy of the information provided above. This study has been approved as a (check one) ☐ BSL-1/ ☐ BSL-2 study, and will be conducted in an appropriate laboratory.

Joseph Bonica — Joseph Bonica
QS/DS Printed Name — Signature

7/13/19
Date of review (mm/dd/yy)

SECTION 4: CERTIFICATION – To be completed by the LOCAL or AFFILIATED FAIR SRC

The SRC has seen this project's research plan and supporting documentation and acknowledges the accuracy of the information provided above.

SRC Printed Name — Signature

Date of review (mm/dd/yy)

Section 1. Part 3.
Biosafety cabinet (Tissue culture room), PPE (laboratory coat, gloves, goggles), Bacteriological hood (sterile culture hood), Routine Decontamination of surfaces and equipment.

Section 1. Part 5.
Solid waste will be disposed in red biohazard bags. Syringes, needles, and broken glass disposed in sharps container. The waste will be collected by the Stony Brook University Health & Safety Department.

Section 2. Part 1.
Student will receive training in Chemical Safety and Handling of Biological Materials through Stony Brook University.

Section 2. Part 2.
Joseph Bonica is a sixth year PhD student with eight years of experience in cell culture, biochemistry, biochemical techniques, and safety training.