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) Ayra Khan

Title of Project SPECIFIC DINUCLEOTIDE REPEAT siRNAS DECREASE PROLIFERATION AND VIABILITY OF HUMAN OVARIAN CARCINOMAS VIA A DNA-DAMAGE MECHANISM

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.
   HeyA8 human ovarian cancer cells will be obtained from Dr. E. Lengyel from the University of Chicago.
2. Describe the site of experimentation including the level of biological containment.
   Experimentation will take place at Northwestern University in a regulated research environment. Proper BSL-2 biological safety cabinets will be utilized, and proper containment. Hazardous biological agents will be disposed of properly.
3. Describe the procedures that will be used to minimize risk (personal protective equipment, hood type, etc.).
   Personal protective equipment including gloves, lab coats, and goggles will be worn. Proper supervision will be present at all times.
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.
   All biological items will be contained in biohazard waste bins, and disposed of by Northwestern Health and Safety Department.

SECTION 2: TRAINING

1. What training will the student receive for this project?
   Online training courses will be taken to inform about safety hazards. Lab training will occur before the student performs tasks.
2. Experience/training of Designated Supervisor as it relates to the student's area of research (if applicable).

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.
Original cell lines: _____ Date of IACUC/IBC approval: _____

☒ 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.

Andrew M. Lynch

QS/DS Printed Name

Signature

6/28/19

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.

P. Schmitt

SRC Printed Name

Signature

1/27/2020

Date of review (mm/dd/yy)