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) Mansi Kothari

Title of Project The Effects of Global Knockdown of Cytochrome C Oxidase Assembly Protein (SCO2) in Diabetic Kidney Disease

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.

   Mouse kidney samples that have been embedded for slides prior to Mansi starting in the lab.

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

   Experiments occur in our lab. Stainings occur in the chemical hood.

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

   Personal protective equipment including gloves and lab coat. Chemical hood to be used whenever using xylene or ethanol for histological stainings.

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

   Low

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

   Student will not be disposing of any tissues. Xylene and ethanol will go into liquid waste containers

SECTION 2: TRAINING

1. What training will the student receive for this project?

   Student will take Black Board Courses through Stony Brook University to receive proper Laboratory Safety Courses.

2. Experience/training of Designated Supervisor as it relates to the student's area of research (if applicable).

   Bachelor's in Biology, research in molecular medicine, general medicine degree, and three years of nephrology research.

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: Jackson Laboratories Date of IACUC/IBC approval 1/22/2019

☐ 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.

Jessica Vasquez, MD
QS/DS Printed Name

Signature

6/26/19
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)