# Risk Assessment Form (3)

**Must be completed 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 Student Researcher(s) in collaboration with Designated Supervisor/Qualified Scientist:**
(All questions must be answered; additional page(s) may be attached.)

1. List all hazardous chemicals, activities, or devices that will be used; identify microorganisms exempt from pre-approval (see Potentially Hazardous Biological Agent rules).

   Xylene and ethanol for histological stainings, ethidium bromide for genotyping.

2. Identify and assess the risks involved in this project.

   The main effect of inhaling xylene vapor is depression of the central nervous system, with symptoms such as headache, dizziness, nausea and vomiting.Ethidium bromide can be a potential mutagen.

3. Describe the safety precautions and procedures that will be used to reduce the risks.

   All reagents must be used in a chemical hood with laminar flow (to prevent inhalation). PPE such as gloves are to worn when working with any reagents.

4. Describe the disposal procedures that will be used (when applicable).

   Ethanol and xylene are to be disposed in the liquid waste containers specific for xylene and ethanol. Any biological waste was disposed of in biohazard waste containers.

5. List the source(s) of safety information.

   OSHA

**To be completed and signed by the Designated Supervisor (or Qualified Scientist, when applicable):**
I agree with the risk assessment and safety precautions and procedures described above. I certify that I have reviewed the Research Plan/Project Summary and will provide direct supervision.

Jessica Vasquez, MD
Designated Supervisor's Printed Name

Signature

6/26/19
Date of Review (mm/dd/yy)

Post Doctorate Associate, Stony Brook University
Position & Institution

Jessica.Vasquez1@stonybrookmedicine.edu/ 631-638-2168
Phone or email contact information

Experience/Training as relates to the student's area of research