Risk Assessment Form (3)

Must be completed before experimentation.

Student's Name(s	Justin Lu and Noelle Chung	
•		eomic and Genomic Changes in C. elegans: Preliminary Findings
	by the Student Researcher(s) in col t be answered; additional page(s) may b	llaboration with Designated Supervisor/Qualified Scientist: be attached.)
	us chemicals, activities, or devices that wil ardous Biological Agent rules).	I be used; identify microorganisms exempt from pre-approval (see
2. Identify and ass	ess the risks involved in this project.	
3. Describe the sa	fety precautions and procedures that will	be used to reduce the risks.
4. Describe the di		applicable).
5. List the source		
I agree with the ris	ed and signed by the Designated Susk assessment and safety precautions and party and will provide direct supervision.	pervisor (or Qualified Scientist, when applicable): cocedures described above. I certify that I have reviewed the Research 01/17/20
Designated Supe	ervisor's Printed Name Signature	
Science Teac	her at Trinity School	646-827-6691
Position & Instit	ution	Phone or email contact information

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

PHD research in cellular and molecular biology

Risk Assessment Form (3)

Noelle Chung and Justin Lu

1. List all hazardous chemicals, activities, or devices that will be used; identify microorganisms exempt from pre-approval:

This team will utilize Bisphenol S at a concentration of 10mM. All stock and working dilutions will be prepared for student use by the mentor/teacher (Ileana Rios).

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

Due to stringent safety protocols, safety training, and direct supervision, the risks to the students are minimal and may involve accidental spills.

- 3. Describe the safety precautions and procedures that will be used to reduce the risks. Skin contact and eye exposure are entirely minimal due to personal protective equipment; In addition, there is a shower and eye wash station in the biology lab. First, the BSL-1 prep room which houses the CO₂ incubator, cell media reagents, autoclave, and biohazardous waste is secure with a combination door lock; a few instructors in the science department and maintenance are familiar with the key code; the prep room is always closed and locked unless Dr. Rios is present in the room. Students will wear personal protective equipment consisting of lab coats, nitrile disposable gloves, goggles, and facemasks from VWR. All activities and protocols with BSL-1 entities are carried out in the safety hood in a BSL-1 prep room and under direct supervision by Dr. Rios. All stock and working dilutions of Bisphenol S will be prepared by Dr. Rios for student use.
- 4. Describe the disposal procedures that will be used (when applicable)
 All worm media waste is disinfected with 10% bleach and autoclaved for 20 minutes at 212°F prior to disposable in a red biohazard bag which is picked up for incineration by Sharps Compliance, Inc. All Bisphenol S treated liquid waste is collected in amber chemical waste bottles and collected by PEGEX Hazardous Waste Removal (Account NumberA-96207).

List the source(s) of safety information:

- a. Sigma Aldrich Safety Data Sheet
- b. Product Name: Bisphenol S
- c. Product Number: 43034
- d. Brand: Sigma Aldrich
- e. CAS Number: 80-09-1