

Risk Assessment Form (3)

Must be completed before experimentation.

Student's Name(s) Mir Zayid Alam and Taylor Fox

Title of Project Relating Major Depressive Disorder (MDD) to circadian signaling in Drosophila melanogaster

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).

10% Bleach (500 mL in distilled water)
Dissection micro scissors

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

Bleach (10% sodium hypochlorite solution in water). Bleach can cause skin corrosion, serious eye damage, and damage to aquatic animals.
Dissection micro scissors can cause skin injuries and bleeding if handled improperly.

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

If sodium hypochlorite is ingested, mouth will be rinsed and vomiting will not be induced. If on skin/hair, skin will be rinsed thoroughly. If inhaled, a Poison Control Center will be contacted and the afflicted person will be moved to fresh air. If in eyes, a Poison Control Center will be called, and eyes will be rinsed gently after removing contact lenses, if applicable. Caution will be exercised during use of the micro scissors. Lab aprons, goggles, and nitrile or rubber gloves will be worn when handling this substance. All lab work and handling of chemicals will be supervised by instructors.

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

A licensed disposal company will be contacted to dispose of 10% bleach solution.

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

" Sodium Hypochlorite Solution. " Sigma Aldrich, Merck Group, 2019, www.sigmaaldrich.com/MSDS/MSDS/DisplayMSDSPage.do?country=US&language=en&productNumber=425044&brand=SIGALD&PageToGoToURL=https%3A%2F%2Fwww.sigmaaldrich.com%2Fcatalog%2Fsearch%3Fterm%3DSodium%2Bhypochlorite%26interface%3DAI%26N%3D0%26mode%3Dmatch%2520partialmax%26lang%3Den%26region%3DUS%26focus%3Dproduct.

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.

Alison Huenger
Designated Supervisor's Printed Name

Alison Huenger
Signature

10/01/19
Date of Review (mm/dd/yy)

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degrees in chemistry and biology - worked at Stony Brook University Biotechnology camp and
Experience/Training as relates to the student's area of research past experience as a chemical engineer