Risk Assessment Form (3)

Must be completed before experimentation.

Student's Name(s) Rishitha Kudaravalli

Title of Project GFP Tagged Mitochondrial IMG1 and BSCI Proteins Disrupt Normal Huntingtin Inclusion Body Formation in Saccharomyces cerevisiae

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).
   The hazardous chemicals that will be used in this project include Polyethylene Glycol, Lithium Acetate, and Yeast Extract Peptone Dextrose.

2. Identify and assess the risks involved in this project.
   The major risks in this project are skin and eye irritation and possible skin and eye damage due to contact with Lithium Acetate and Polyethylene Glycol. If these chemicals have contact with skin or eyes, wash thoroughly with water and if irritation persists, seek medical attention. Additionally, YPD is not as dangerous as other chemicals but can be very hazardous when ingested or inhaled. If ingested or inhaled, contact a medical professional and seek their opinion based on the severity of the contact.

3. Describe the safety precautions and procedures that will be used to reduce the risks.
   To minimize the risks present in a BSL 1 lab, we will use personal protective equipment such a safety glasses, gloves, lab coat and long pants with closed toe shoes. Moreover, all procedures involving chemicals will be performed under a ventilated chemical hood.

4. Describe the disposal procedures that will be used (when applicable).
   The disposal procedures will be in accordance with York College regulations and all hazardous materials will be disposed of in designated waste bins. Recombinant yeast which has been identified as a PBI-A will be washed with ethanol and contained in a jar with bleach. Then, it will be disposed of in red biohazardous waste bags and sent off-site to be autoclaved and properly treated.

5. List the source(s) of safety information.
   www.msds.com
   York College Environmental Health and Safety Procedures (https://www.york.cuny.edu/administrative/offices-of-facilities-and-planning/environmental)

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.

Lesley Emtage	[signature]	06/20/19
Designated Supervisor's Printed Name	Signature	Date of Review (mm/dd/yy)

Assistant Professor at York College	lemtage@york.cuny.edu
Position & Institution	Phone or email contact information

Currently studying and research Huntingtin IBs and has been researching cellular processes in neurons for five years

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