

Risk Assessment Form (3)

Must be completed before experimentation.

Student's Name(s) Rishitha Kudaravalli
Title of Project GFP Tagged Mitochondrial IMG1 and BSC1 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 chemical salts 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 as 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 PBHA will be washed with ethanol and contained in a jar with bleach. Then, it will be disposed of in red biohazardous waste bags and go off-site to be autoclaved and properly treated.

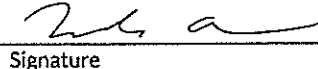
5. List the source(s) of safety information.

www.mshs.com

York College Environmental Health and Safety Procedures (<https://www.york.cuny.edu/administrative/office-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



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 IGs and has been researching cellular processes in neurons for five years

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