Risk Assessment Form (3)

Must be completed before experimentation.

Student's Name(s) Rachel Bocian

Title of Project A Novel Cationically Enframed High Density Aromatic Peptide, A2, Mitigates Mitochondrial Dysfunction and Promotes Cell Survival Via Reduction of ROS and Maintenance of Mitochondrial Inner Membrane Potential

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)

   Dublecco' s Modified Eagle' s Medium (DMEM), 4% paraformaldehyde (PFA), Fetal Bovine Serum (FBS), Phosphate-buffered saline (PBS), Streptavidin, Alexa Fluor™ 488, MitoTracker, CM-H2DCFDA, Methylene Blue Loeffler, A2

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

   DMEM, FBS, PBS, Streptavidin, Alexa Fluor™ 488, MitoTracker, CM-H2DCFDA, and A2 do not contain hazardous substance but may cause eye irritation, skin irritation, and may be harmful by inhalation or ingesting. PFA is a flammable solid which is harmful if

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

   Appropriate PPE will be worn at all times when handling hazardous chemicals including protective eye wear, nitrile gloves, lab coat, long pants, and closed-toe shoes.

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

   Hazardous chemicals will be stored in appropriately designated containers. Used tips and serological pipettes will be discarded in designated biohazard bins.These materials will be routinely collected and properly disposed of by the York College EHS Department.

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

   www.msds.com
   https://www.york.cuny.edu/administrative/office-of-facilities-and-planning/environmental (York College Environmental Health and Safety (EHS))

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.

Alexander Birk	[signature]	7/1/19
Designated Supervisor's Printed Name	Signature	Date of Review (mm/dd/yy)

Assistant Professor and CUNY York College	abirk@york.cuny.edu / (917) 670-5469
Position & Institution	Phone or email contact information

Biochemist with 10+ years experience in solid state synthesis and chemical pharmacology.

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