Risk Assessment Form (3)

Must be completed before experimentation.

Student's Name(TongYe s)
Title of Project	Investigations into the Significance of Epidermal Fatty Acid Binding Protein (FABP5) in Breast Cancer Survival and Design of Novel FABP5 Inhibitors
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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).

RPMI Medium 1640 – Phenol Red RPMI Medium 1640 – No Phenol Red PBS Buffer, pH 7.4/Trypsin-EDTA (0.25%) MTT (3-(4,5-Dimethylthiazol-2-yl)-2,5-Diphenyltetrazolium Bromide)

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

RPMI Medium 1640 – Phenol Red/No Phenol Red: May cause irritation to skin, eyes, or mucous membrane. Proper PPE will be worn at all times.

PBS Buffer, pH 7.4/Trypsin-EDTA (0.25%): May cause eye, skin, and respiratory tract irritation. Protective eyewear and gloves will be worn at all times

MTT: Causes serious eye and skin irritation. Proper protective gear will be worn when handling

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

Standard personal protective equipment will be worn at all times when handling hazardous chemicals, including protective gloves, eyewear, and lab coat

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

All chemical and biological waste will be disposed of in designated waste bins and will be routinely collected by the Stony Brook University Environmental Health and Safety Department.

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

www.msds.com and https://ehs.stonybrook.edu/

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.					
Hehe Wang	M	MeW.	06/01/2019		
Designated Supervisor's Printed Name	Signature	i V	Date of Review (mm/dd/yy)		
Ph.D. Candidate of Chemistry		hehe. wang@stonybrook.edu			
Position & Institution		Phone or email contact information			
1 year of biochemical research in the same area of research					
Experience/Training as relates to the student's area of research					