Risk Assessment Form (3)

Must be completed before experimentation.

Student's Name(s) Jingyue Zhang

Title of Project Treating Post-HIV Infection Through Molecular Target of HIV TAT and PKC Regulation with Berberine and Curcumin

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).

   -MTT, HIV-TAT, Curcumin, Berberine, TPA, Trypsin, and DMSO.
   -All of the above mentioned chemicals will be used for cell treatment.

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

   -Exposure to chemicals mentioned in question 1.
   -Should avoid direct skin or other bodily contact with any of the chemicals mentioned.
   -Should avoid inhalation or mis-consumption of these chemicals.
   -Chemicals are able to cause skin, eye, respiratory irritations.

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

   - Goggles, gloves, and aprons will be used at anytime when handling the chemicals mentioned.
   - Cell treatment using these chemicals will be conducted in a hood to avoid potential spillage.

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

   - All chemical wastes will be thrown away in the designated chemical disposal bin.

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

   -Sigma-aldrich MSDS.
   -Cayman Chemicals MSDS.

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.

Wei Zhu		01/27/20
Designated Supervisor's Printed Name	Signature	Date of Review (mm/dd/yy)
SUNY Old Westbury, Professor		zhuw@oldwestbury.edu
Position & Institution		Phone or email contact information

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