Risk Assessment Form (3)

Must be completed before experimentation.

Student's Name(s) Giselle Rasquinha

Title of Project Lipid Conjugation Yields Novel HIV-1 Fusion Inhibitor that Demonstrates Improved Efficacy and Prolonged Serum Half-life

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).
   -Chemicals used in this project are primarily buffers and ELISA reagents. Material Safety Data sheets are used to assess hazards
   -Pseudo-virus of HIV-1 will be used to make culture supernatants, made in the mentors lab, it is a 1-cycle virus, handled by mentor: BSL-2
   -T-Cell lines- H9 and MT-2 will be used- BSL-2 (from ATCC)
   -3,3',5,5'-Tetramethylbenzidine is an irritant and flammable
   -Calcein AM is an irritant

2. Identify and assess the risks involved in this project.
   Student will not handle any live virus and hence no risk is involved
   Other cell lines are provided by ATCC and carry no health hazards
   Chemicals known to be irritants and flammable are handled in chemical hoods and pose no danger

3. Describe the safety precautions and procedures that will be used to reduce the risks.
   -Student has been trained extensively in good lab practices through orientation courses and practical lab training
   -Personal Protective Equipment will always be worn, including gloves, lab coats, eye goggles
   -All work with cell lines will be conducted in Biosafety Laminar Air Flow Cabinets.
   -All work with flammable and irritant chemicals will be handled in chemical hoods under supervision
   -First aid stations and eye rinse fountains are available in the laboratory

4. Describe the disposal procedures that will be used (when applicable).
   All material will be bleached and autoclaved

5. List the source(s) of safety information.
   Material and Safety Data Sheets that accompany each chemical
   ATCC.org
   https://www.atcc.org/en/Documents/Learning_Center/Material_Safety_Data_Sheets.aspx

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.

Dr. Lanying DU		July 01, 2019
Designated Supervisor's Printed Name	Signature	Date of Review (mm/dd/yy)
Head, Lab of Viral Immunology	LDu@nybc,org	
Position & Institution	Phone or email contact information	

More than 20 years of laboratory experience with viruses-biology, immunology and drug development

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