Regulated Research Institutional/Industrial Setting Form (1C)

This form must be completed AFTER experimentation by the adult supervising the student research conducted in a regulated research institution, industrial setting or any work site other than home, school or field.

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 Supervising Adult in the Setting (NOT the Student(s)) after experimentation:
(Responses must be on the form as it is required to be displayed at student's project booth; please do not print double-sided.)

The student(s) conducted research at my work site:

1. Did you or your proxy (e.g. graduate student, postdoc, employee) mentor or provide substantial guidance to the student researcher? ☑ Yes ☐ No
   a. If no, describe your and/or your institution's role with the student researcher and his/her project (e.g. supervised use of equipment on site without ongoing mentorship and sign below.

   b. If yes, complete questions 2–5.

2. Is the student's research project a subset of your ongoing research or work? Use questions 3, 4 and 5 to detail how the student's project was similar and/or different from ongoing research or work at your site. ☐ Yes ☑ No

3. Describe the independence and creativity with which the student:
   a. developed the hypotheses or engineering goals for the research project

      The student read about lipidation of other drugs like diabetes drugs and how it increased stability and wanted to modify the existing HIV drug by lipidation and assess efficacy and stability of the modified drug.

   b. designed the methodology for his/her research project

      Some of the methodology is developed by the lab but the student modified 2 of the assays to answer her hypothesis.

   c. analyzed and interpreted data

      Student independently analyzed all data along with statistics and checked with me regarding interpretation

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Student's Name(s) Giselle Rasquinha

4. Detail the student's role in conducting the research (e.g. data collection, specific procedures performed). Differentiate what the student observed and what the student actually did.

The student performed all assays in this project independently, except for work with live virions which was handled by me. The main assays the student did for the project were CD spectroscopy; cell-cell fusion which is microscopy based; 6 helical bundle formation which is ELISA based. For infection assays, student was given culture supernatants to perform P24 ELISA assays. Overall, all assays were independently run by student. After acquiring the data, the student graphed and analyzed the results, independently. For interpretation, she confirmed with me the meaning of her results.

5. Did the student(s) work on the project as part of a group? ☐ Yes ☑ No
If yes, how many individuals were in the group and who were they (e.g. high school students, graduate students, faculty, professional researchers)?

I attest that the student has conducted the work as indicated above and that any required review and approval by institutional regulatory board (IRB/IACUC/IBC) has been obtained. Copies are attached if applicable.
I further acknowledge that the student will be presenting this work publicly in competition and I have communicated with the student research regarding any requirements for my review and/or restrictions of what is publicized.

Dr. Lanying Du		Head, Viral Immunology Lab
Supervising Adult's Printed Name	Signature	Title
Lindsley Kimball Research Institute,		December 31, 2019
Institution		Date Signed (must be after experimentation) (mm/dd/yy)
310 E. 67th St. New York, NY 100065		ldu@nybc.org
Address		Email/Phone