

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) Hugo Amador

Title of Project Laminin and Sildenafil Citrate stimulates Neurite Outgrowth in PC12

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?
- 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.

☒ Yes

☐ No

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 specifically tested Sildenafil Citrate (Viagra™) on PC12 Neurite outgrowth

The student developed and formed his own hypothesis for the project in relation to the expected outcome of Neurite Outgrowth on the cells

b. designed the methodology for his/her research project

Overall, adding the Laminin and Sildenafil Citrate on the PC12 cells primed with NGF is standard procedure. However, the student independently added specific concentrations of Laminin and Sildenafil Citrate on the PC12 cells.

c. analyzed and interpreted data

The student analyzed and interpreted the data with some guidance in order to understand what constitutes as neurite outgrowth.

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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.

After instruction and mentorship, the student independently grew and developed the cell culture, primed the cells with NGF and added the different treatments of Sildenafil Citrate on the primed cells with or without laminin.

5. Did the student(s) work on the project as part of a group?
If yes, how many individuals were in the group and who were they (e.g. high school students, graduate students, faculty, professional researchers)?

☐ Yes ☒ No

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.

Benjamin S. Weeks
Supervising Adult's Printed Name

[Signature]
Signature

Ph.D.
Title

Adelphi University
Institution

11/06/19
Date Signed (must be after experimentation) (mm/dd/yy)

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