

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) BURAK BUNUKBAYRAKTAR

Title of Project Targeting Dihydroceramide Desaturase (DES4) as a method to overcome ^{basal breast cancer} anti's resistance in

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 broader goals and hypothesis of the project were somewhat set. The student had some agency in selecting this project over others.

b. designed the methodology for his/her research project

The project methods were standard techniques in place within the lab and that the student was well versed in.

c. analyzed and interpreted data

The student collected all data from experiments performed. They were given minimal guidance on analysis and were allowed to make their own interpretations. These were refined after minor discussion.

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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.

The student was given instruction as to when to perform experiments and where required reagents were. The student performed all experiments, monitoring throughout, and collecting data. Owing to having lab experience the prior year, the student required minimal supervision once they had refamiliarized themselves in the lab. In one or two cases, the student observed a new technique - but this was in the context of a separate project - that they then used for their own work.

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)?

Although there were other undergraduates in the group at the time, the student worked on this project themselves.

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.

Chris Clarke

Supervising Adult's Printed Name

Chris Clarke

Signature

ASST. PROF. OF RESEARCH

Title

STONY BROOK UNIVERSITY

Institution

9/7/19

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

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