

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) Udithi Kothapalli

Title of Project The effect of hypoxia on the expression of hypoxia-inducible factor 1 alpha (HIF-1alpha) and carbonic anhydrase 9 (CA9) in various breast cancer cell lines

To be completed by the Supervising Adult in the Setting (NOT the Student(s)) after experimentation:

(Responses must remain on the form as it is required to be displayed at student's project booth.)

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? ☒ Yes ☐ No
- 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.

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

The project was conceived by me but specific goals of the project were developed by the student.

b. designed the methodology for his/her research project

The student performed all experiments independently under my supervision.

c. analyzed and interpreted data

The student independently analyzed and interpreted the obtained data under my guidance.

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 worked independently on the assigned by me project. All experiments, procedures, data collection, data analyses and data interpretation were conducted by the student under my supervision and guidance.

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)?

3 high school students, 1 medical student

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.

Dimiter Avtanski, PhD

Supervising Adult's Printed Name


Signature

Director, Endocrine Research Laboratory

Title

01/24/20

Date Signed (must be after experimentation)

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