

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) Juliana Josinsky, Suraj Sharma, and Samantha Tran

Title of Project Maltose-binding Protein (MBP) Fusion Tag Enhances Expression and Solubility of CCDC11 Constructs

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? ☒ 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 the research project
The students developed the research goals based off prior work done with other expression constructs.
 - b. designed the methodology for his/her research project
The students implemented standard methodologies for protein expression and purification with minor changes to established protocols.
 - c. analyzed and interpreted data
The students independently interpreted data without my input or feedback.

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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.

Students prepared solutions, made media, inoculated cultures, logged optical densities, operated centrifuges and sonicator, prepared and ran gravity chromatography columns, prepared and ran SDS-PAGE

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

The three high school students under my supervision.

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.

Michael Lake

Supervising Adult's Printed Name


Signature

Research Faculty

Title

1/27/2020

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

michael.lake@stonybrook.edu/631-632-8550

Email/Phone

Stony Brook University

Institution

450 Life Sciences Building, Stony Brook, NY

Address