

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) Ethan Chetkof

Title of Project Mitochondrial Transfer From Mesenchymal Progenitor Cells to Macrophages

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 project developed from Ethan's participation in the ongoing projects in the lab. As he worked along with undergraduate students he made some very astute observations and pointed out that the mesenchymal progenitors were not only transferring mitochondria to macrophage but also to other mesenchymal progenitors.
 - b. designed the methodology for his/her research project

Ethan worked with myself and one undergraduate student to develop the mitochondria labeling and VCAM1 immunocytochemical protocols carried out for this project. The sophisticated fluorescent imaging protocols were carried out by Ethan.
 - c. analyzed and interpreted data

Ethan had a very quickly became adept and determining which images were representative of the phenomenon we were studying. He paid great attention to detail and worked diligently analyzing the fluorescent images.

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Student's Name(s) Ethan Chetkof

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.

Ethan participated in all aspects of the project. He performed cell culture, mitochondria labeling, immunocytochemistry, image capture and analysis. He was particularly adept at identifying appropriate areas to capture and processing the images. His skills were quickly commensurate with the undergraduate students who had been working on the project for the semester before.

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

Ethan worked alongside two undergraduate students.

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.

Jodi Evans
Supervising Adult's Printed Name
Molloy College

Institution
1000 Hempstead Ave., Rockville Centre, NY 11570
Address

Jodi Evans
Signature 

Digitally signed by Jodi Evans
Date: 2020.01.27 16:13:47 -05'00'

Professor
Title
01/27/20
Date Signed (must be after experi-
mentation) (mm/dd/yy)
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