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) Rachel Bocian

Title of Project A Novel Cationically Enframed High Density Aromatic Peptide, A2, Mitigates Mitochondrial Dysfunction and Promotes Cell Survival Via Reduction of ROS and Maintenance of Mitochondrial Inner Membrane Potential

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

      Rachel worked hard to understand how comletely water - soluble compounds can get into cells. In the process of her work she realised that those compounds could go into mitochondria, thus, changing her hypothesis towards a possibility of cell protective compounds

   b. designed the methodology for his/her research project

      Rachel works with MDBK cell culture, with everything from passing the cells to doing starvation assays and doing mitochondrial staining. We had methodology worked out in the lab, so she had to adopt it to her experiments.

   c. analyzed and interpreted data

      Rachel was doing data analysis all by herself, and then she would always discuss her data on our lab meetings

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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

Cell cultuyre, starvation assays, mitochondrial staining was done by Rachel

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)?

Rachel was working independently , but as a memeber of my lab, which would help her to work out methodology much faster and answer her questions in the most direct way.

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.

AlexanderBirk		AssistantProfessor
Supervising Adult's Printed Name	Signature	Title
CUNYYorkCollege		11/24/2020
Institution		Date Signed (must be after exp. presentation) (mm/dd/yy)
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Address		Email/Phone