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) Emma G. Yeung

Title of Project Synthesis and Temperature-dependent Phase Behavior of a Dendritic Dipeptide

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 student's project was assigned by me. It is a continuation of a series of experiments carried out each summer by high school researchers. The hypothesis for this project is based on results from previous students.

   b. designed the methodology for his/her research project

      The methodology was designed by a graduate student mentor following established protocols.

   c. analyzed and interpreted data

      The student interpreted results under the supervision of a graduate student mentor. The student has drawn conclusions from these data with input from myself and a graduate student mentor.

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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 responsible for performing all of the syntheses and purifications as well as characterization experiments such as thin layer chromatography and polarized optical microscopy. Characterization experiments involving NMR spectroscopy and differential scanning calorimetry equipment require operation by trained users (i.e., graduate students or research staff), so the student only observed these experiments. The student was directly involved in the analysis of the results regardless of who acquired the data.

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)?

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.

Jonathan G. Rudick		Associate Professor
Supervising Adult's Printed Name	Signature	Title
Stony Brook University		9/13/19
Institution		Date Signed (must be after experimentation) (mm/dd/yy)
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Address		Email/Phone