

## 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) Eric Kim and Kevin Gu

Title of Project Highly Mesoporous Carbon Aerogel as Catalyst Support in Proton Exchange Membrane Fuel Cells

### 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  
Very independent-concieved project on their own from lit. Obtained peer reviewed paper + modified & followed protocol
  - b. designed the methodology for his/her research project  
Built and designed all processes: Synthesis & activation  
Modified set-up was needed
  - c. analyzed and interpreted data  
Analyzed data from TEM, XRF and PEMFC test station.  
Evaluated aerogel vs carbon as GDL scaffold

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### Continued

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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.

They did everything! Assembled set up and performed all procedures.

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)?

They worked alone, under the supervision of a professional researcher.

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.

Miriam Rafailovich  
Supervising Adult's Printed Name  
Stony Brook University

M. Rafailovich  
Signature

Dist Prof

Title  
10/18/2019

Institution  
100 Nichols Rd

Date Signed (must be after experimentation) (mm/dd/yy)  
516 458 9011

Address

Email/Phone