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) | | nt's Name(s) | Elizabeth Chun | | | | | | | |
|-------------------|-----|---|--|---|-----|------|----|--|--|--|
| Title of Project | | | Assessing the Effect of Resveratrol on Presenilin Drosophila melanogaster | | | | | | | |
| | | | the Supervising Adult in the Setting (NOT the Student(s)) after experiment the form as it is required to be displayed at student's project booth; please do not pr | | | ided | .) | | | |
| | Dic | l you or your pr estantial guidan If no, describe | ted research at my work site: loxy (e.g. graduate student, postdoc, employee) mentor or provide loce to the student researcher? I your and/or your institution's role with the student researcher and It (e.g. supervised use of equipment on site without ongoing mentorship I your and your institution is not succeeded. | ☑ | Yes | _ | No | | | |
| | b. | If yes, complet | te questions 2 – 5. | | | | | | | |
| 2. | Use | questions 3, 4 | search project a subset of your ongoing research or work? and 5 to detail how the student's project was similar and/or soing research or work at your site. | | Yes | Ø | No | | | |
| 3. | | | pendence and creativity with which the student: hypotheses or engineering goals for the research project | | | | | | | |
| | | Elizabeth took it upon herself to read relevant journal articles and develop her research proposal on her own. Having thoroughly educated herself on her topic, Elizabeth developed her hypotheses and engineering goals based on past research and precedents. | | | | | | | | |
| | b. | designed the methodology for his/her research project | | | | | | | | |
| | | methodology climbing assa | ofter reaching out to me to ask about available resources and technology in my lab, Elizabeth described on the flies nethodology on her own. She creatively decided to both perform a behavioral test on the flies limbing assay and dissect fly brains. To this end, she persevered while learning how to maste y brain dissections and was successful after looking up tutorial videos online and diligently prace ay. | | | | | | | |
| | c. | analyzed and i | nterpreted data | | | | | | | |
| | | for help when but continued to Elizabeth first | s with the other parts of her experiment, Elizabeth was as independent as she could be but was unafraid to come to me or help when it would make her experiment stronger. Elizabeth collected, analyzed and interpreted her data on her own out continued to communicate her progress to me and ask questions along the way. Regarding her brain dissections, lizabeth first looked at her images on her own and came up with possible reasonings for what she saw, but then came of me with the pictures as well at this point we were able to engage in a discussion about the results together. | | | | | | | |

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Regulated Research Institutional/Industrial Setting Form (1C) Continued

| Stu | udent's Name(s) Elizabeth Chun | | | | | | | |
|-----|--|---|--|--|--|--|--|--|
| 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. Elizabeth conducted the entirety of her experiment as well as observed her own results; she took this study into her own hands and her engagement with her work was always apparent. After designing her experiment and taking a few days to get comfortable with working with flies (ex. transferring them between vials), Elizabeth researched climbing assays and performed the procedure on her flies (and collected data) on her own. I then helped Elizabeth learn to perform fly brain dissections after mastering the delicate procedure, Elizabeth was fully independent with her | | | | | | | |
| | dissections. Each of the dissections that she performed for her study we Elizabeth also learned from me how to stain the brains with primary and solutions and mount them onto slides. Elizabeth quickly caught on and a process on her own. Finally, I assisted Elizabeth in using the Keyence F observe her brains, and after one session together, Elizabeth took it upon microscope on her own. The images in her results are pictures of the braown. | re done on her own. secondary antibody at that point performed the luorescence Microscope to herself to use the | | | | | | |
| 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 | | | | | | |
| | Super vising / tuttes / tittes | applicable. a and I have communicated with the | | | | | | |

Date Signed (must be after experi-

mentation) (mm/dd/yy)

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Institution

Address