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) Kyle

Title of Project Multifaceted approach to eradicate the fungal plant pathogen, Botrytis cinerea, by examining the role of proteins ADF4, ILR3, XanDH, and FIS2

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

   Kyle was able to form hypothesis of his own based on a given set of facts, and provided a different method for measuring the fungal levels in infection

   b. designed the methodology for his/her research project

   Kyle found a novel approach in literature that was previously unknown in this lab.

   c. analyzed and interpreted data

   The new method and data collection of fungal infection levels were done almost completely by kyle

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

Student's Name(s) Kyle Cheung

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.

Kyle was trained in how to do many of the assays required for analyzing fungal levels in the lab, and was autonomous for many of the following replicates. Other than supervision, Kyle did most of the work and background research for the presentation and experimentation

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.

Bruce Proctor		Lab Tech
Supervising Adult's Printed Name	Signature	Title
Michigan State University		08/12/2019
Institution		Date Signed (must be after experimentation) (mm/dd/yy)
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