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) Title of Project		s Name(s)	Kallista Zhuang Xenoestrogen Bisphenol-A's Neurotoxicity via Estrogenic Activity and Resulting Alzheimer's Disease Pathogenesis					
		Project						
To h		mploted by	the Supervising Adult in the Setting (NOT the Student(s)) after experent the form as it is required to be displayed at student's project booth; please do n	imentat ot print d	: ion: louble-:	sided.))	
1.	Did y subs a. I	ou or your p tantial guida f no. describ	cted research at my work site: roxy (e.g. graduate student, postdoc, employee) mentor or provide nce to the student researcher? e your and/or your institution's role with the student researcher and ct (e.g. supervised use of equipment on site without ongoing mentorship ow.	Ø	Yes	п	No	
	b.	If yes, comp	ete questions 2 -5.					
2.	Use	questions 3	research project a subset of your ongoing research or work? , 4 and 5 to detail how the student's project was similar and/or ngoing research or work at your site.	0	Yes	፟	No	
3.	Des	scribe the inc	dependence and creativity with which the student: he hypotheses or engineering goals for the research project					
		The student linking its to more nuand	t had the idea of using an environmental pollutants and oxicity to Alzheimer's Disease. I guided the student for ced aspects of the student's research. The student still decisions of whether to study certain mechanisms based er reading of primary and secondary papers.					
	b.	designed th	e methodology for his/her research project					
		methodologi logistical red determine	he papers the student read, the student would propose gy and chemicals for the project. Due to safety and easons, I would work together with the student to feasible and safe methology (of those proposed by the and materials for the project.					
	C.	analyzed ar	nd interpreted data					
		interpreted would then displaying	y of the trials, the student independently analyzed and the data generated by the plate reader. The student report the results. Occasionally, when the data were unusual patterns or were unexpected, I would go over the student to ensure there were no technical errors.				100	

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

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Student's Name(s)	i tuillota Eriaarig	

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.

After brief orientation in the lab at the beginning of the student's research, the student learned the methodology and safety precautions needed for each assay. The student would carry out the MTT cell viability and LDH assays independently and under my supervision. For the ELISA assay, the student received some assistance in executing the assay due to the complex nature of the protocol. The student also managed the storage of the chemicals and cell plates.

For most of the time in the lab, the student determined independently how many trials, number of wells per treatment, and combinations of treatment were needed.

In regard to data collection, the student would obtain data from the cell plate reader and subsequently would use excel and prior knowledge of statistical formulas to organize the data and generate numerous figures.

In sum, the student generally made final decisions for the project and conducted a substantial portion of the research independently, as well as received decent guidance/advice for the direction of the project.

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)?

No, the student did not work as part of a group for this project.

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.

Wei Zhu

Supervising Adult's Printed Name

SUNY Old Westbury

Institution

223 Store Hill Rd, Old Westbury, NY 11568

Address

Professor

Title

01/28/20

Date Signed (must be after experimentation) (mm/dd/yy)
zhuw@oldwestbury.edu

Email/Phone

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