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		t's Name(s)	Jack Racer					
		Project	Towards an Animal Model to Study Sporadic ALS					
			the Supervising Adult in the Setting (NOT the Student(s)) after experimentation: the form as it is required to be displayed at student's project booth; please do not print double-sided.)					
The 1.	Did subs a.	you or your pr stantial guidan If no, describe	ted research at my work site: oxy (e.g. graduate student, postdoc, employee) mentor or provide ace to the student researcher? your and/or your institution's role with the student researcher and t (e.g. supervised use of equipment on site without ongoing mentorship v.	回	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 going research or work at your site.	Ø	Yes		No	
3.			pendence and creativity with which the student: hypotheses or engineering goals for the research project					
		program show	estion: Our preliminary results from the College Now wed that LED exposure caused motor impairment. Jack ow if the exposure also affected the neuromuscular					
	b.	designed the	methodology for his/her research project					
		We decide a group.	d the procedure in a lab meeting discussion as					
	c.	analyzed and	interpreted data					
		supervision. Data Analysi	ion: Jack was entirely responsible, under my is: Jack was responsible, under my supervision inclusions: Jack is currently working on his conclusions.					

(Continued on next page)

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

Student's Name(s) Jack Racer

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.

As his research supervisor, I taught Jack to build his own LED pulse stimulator which he used to manipulate motor behavior in transgenic drosophila. He also learned to analyze neuromuscular junction (NMJ) morphology using fluorescence microscopy. Jack embodies all the features of a potential scientist. He is inquisitive, data-driven, meticulous in his planning, record keeping, data collection, and analysis. He learned to assemble the LED devices and outperformed my undergraduate seniors in preparing larval abdominal walls for fluorescence microscopy. He was excited to read scientific literature and seems passionate about writing his research paper and to interact with other scientists in the department.

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)?

During the College now program all students got to build LED devices for photoactivation experiments in flies. Jack was the only one who stayed an extra month to do the fluorescence microscopy imaging and analysis, which was his idea.

☐ Yes No

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. member: 1A7E3DCF-BFC9-4A1B Pablo M Peixoto Assistant Professor Supervising Adult's Printed Name Signature Title Baruch College 01/05/2020 Institution

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Date Signed (must be after experi-