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.

Stu	Ident's Name(s) Cheryl Chang				
То	le of Project Suggetty position furthes of GABABS and establing a wind be completed by the Supervising Adult in the Setting (NOT the Student(s)) after esponses must be on the form as it is required to be displayed at student's project booth; please	r experimer	CANS ab ntation: nt double-sided		
The	e student(s) conducted research at my work site: Did you or your proxy (e.g. graduate student, postdoc, employee) mentor or provide substantial guidance to the student researcher? 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.	⊡ Ye	s 🗖 No		
	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.	☑ Ye	es 🗆 No		
3.	Describe the independence and creativity with which the student: a. developed the hypotheses or engineering goals for the research project				
	While Cheryl's project is a subset of my project, she examines a part of the brain that I have never looked at before. Specifically, my research is centered around the barrel cortex of the primary somatosensory cortex. Cheryl, on the other hand, focuses on the axonal projections across the corpus callosum and between the primary and secondary somatosensory cortex.				
	b. designed the methodology for his/her research project				
	The methodology was designed by a collaboration between Cheryl and I in that I simply provided some she might research/confirm her hypothesis. Cheryl was the one who decided to build off of existing rese utilize staining and confocal imaging of slides I had used in a previous experiment to research her hypostep use of equipment and methods carried out by Cheryl was in accordance with established lab proto	earch, and meth thesis. Howeve	iodal, and		
	c. analyzed and interpreted data				
	In regarding to the data analysis, I showed Cheryl how to carry out the analysis once (specifically, I showed her how to measure the width of axonal projections across the corpus callosum and find the percentage of active pyramidal cells within the S1-S2 border) and allowed her to independently analyze the remainder of the data she collected. For interpretation of the data, we discussed together what statistical analyses would be best for the data set and I offered some suggestions as to how she could graphically portray her data. Additionally, we went over what her data depicts and some the significance of her findings.				

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

Student's Name(s) Cheryl Chang				
4.	performed). Differentiate what the student observed and what the student actually did.			
	Cheryl began her internship by reviewing past literature and publications, established methodological and shadowing either my peers or I in order to first establish a foundation and general knowledge on. From there, I introduced her to my ongoing study, which focuses on the how environmental predispositions to give rise to neurodevelopment diseases, specially the impact of early GABAer output. After she was exposed to my research, I allowed her freedom to develop her own hypoth research her hypothesis, so long as it did not violate lab restrictions and was a reasonable expe	e on what our lab specifically focuses factors may interact with genetic rgic signaling on long-range cortical nesis and experimental design to		
	While Cheryl had no contact with the animals sacrificed for this experiment, I did allow her to sha preparing the slides (although these were neither the tissue nor slides that she used for her experiment wide array of lab methodology, not specific to her experiment, that included western blocking, go Cheryl, with my supervision, carried on immunohistochemistry with pre-prepared solutions at speciment of the confocal microscope worked and could be applicable to her experiment, many slices to image, per slide, of frozen tissue I had previously used for a portion of my ongoin the pictures and collected data on them largely individually, while I did provide guidance and enganglysis correctly.	eriment). Additionally, she observed a enotyping, and gel electrophoresis. ecified concentrations and, after independently decided which and how g study. Furthermore, Cheryl analyzed		
_	Did the student/Alexander on the quairabas want of a group?	□ Yes ☑ No		
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)?	LI TES LE INO		
	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.			
	Supervising Adult's Printed Name Signature Signature	MD/PhD Candidase		
	Weill corner medicas corlege Institution 413 East 69th St. New York, NY 10001	Date Signed (must be after experimentation) (mm/dd/yy)		
	Address	Email/Phone edy		