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)		t's Name(s)	Alice Z. Chen					
Title of Project		Project	Longitudinal MRI-based Radiomics: Estimating Rectal Cancer Response to Chemoradiation					
To be completed by the Supervising Adult in the Setting (NOT the Student(s)) after experime (Responses must be on the form as it is required to be displayed at student's project booth; please do not pro-						ided.)	
1.	Did sub	you or your pr stantial guidar If no, describe	ted research at my work site: roxy (e.g. graduate student, postdoc, employee) mentor or provide roxe to the student researcher? ryour and/or your institution's role with the student researcher and t (e.g. supervised use of equipment on site without ongoing mentorship v.	ъź	Yes		No	
	b.	If yes, comple	te questions 2 –5.					
Use questions 3, 4		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.	₫	Yes		No	
	a.	developed the Alice condu knowledge lab. She ca	pendence and creativity with which the student: hypotheses or engineering goals for the research project cted literature reviews and a background study with my instruction before joining the me up with a rough idea and created a an after some discussion with me.					
	b.	The goal of biomarkers radiomic to	methodology for his/her research project this project is to correlate MRI imaging with clinical endpoints. Alice decided to use ols based on the quality and size of our RI data to accomplish this task.					
,	C.	analyzed and	interpreted data					

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

Student's Name(s) Alice Z. Chen

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.

Alice conducted literature review and background knowledge studies with my instruction before joining the lab. She came up with an approximate idea and created a research plan after some research discussions with me and one of my senior lab members. She was in charge of the entire data processing work, including rigid image registration between MRI images acquired at different time points throughout the radiation therapy for each individual patient, and feature extraction and selection using Pyradiomics, a python toolbox and Matlab. She also performed feature validation using Matlab. Alice is an extremely hard working individual and she is highly independent for a junior high school student. It was my great pleasure working with her.

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)?

There are two students directly involved in this project including Alice under my supervision. The other students is a 5th year PHD candidate whose main responsibility was image acquisition and data preparation including anonymization.

☑ Yes ☐ No

I attest that the student has conducted the work as indicated above and t institutional regulatory board (IRB/IACUC/IBC) has been obtained. Copi I further acknowledge that the student will be presenting this work publi- student research regarding any requirements for my reyiew and/or restricted.	es are attached if applicable. cly in competition and I have communicated with the
Peng Hu Hulley	Associate Professor
Supervising Adult's Printed Name Signature	Title
University of California, Los Angeles	12/21/19
Institution 300 Medical Plaza Suite B119, Los Angeles, CA 90095	Date Signed (must be after experimentation) (mm/dd/yy) penghu@mednet.ucla.edu / (310) 267-6838
Address	Email/Phone