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)	Nina Su  Identification of Novel Modulators of mTORC2 Activity		
Title of Project			
To be completed by (Responses must be o	the Supervising Adult in the Setting (NOT the Student(s)) after experimentation:  n the form as it is required to be displayed at student's project booth; please do not print double-sided.)		
<ol> <li>Did you or your pi substantial guidar</li> <li>a. If no, describe</li> </ol>	ted research at my work site:  oxy (e.g. graduate student, postdoc, employee) mentor or provide note to the student researcher?  your and/or your institution's role with the student researcher and the student researcher and the student researcher.		
	en de la companya de La companya de la co		
	Commence of the second of		
b. If yes, comple	te questions 2 – 5.		
<ol><li>Is the student's re-</li></ol>	search project a subset of your ongoing research or work?  and 5 to detail how the student's project was similar and/or joing research or work at your site.		
a. developed the	pendence and creativity with which the student: hypotheses or engineering goals for the research project  is each project was part of a larger project aimed at identifying herizing navel activaters of the mTORC2 protein complex. While the overal		
b. designed then	sistence by asking anitical questions about experiment design.  nethodology for his/her research project  Africal to a mide very of techniques in mammalian (ell culture)		
lines con una Amazin Sasa, c. analyzed and i	pater, Those included pressing and rain taining multiple human fell- mently, aptimizing insulin tractact unditions, making cell lysates, pabe, performing western blats and performing immuno precipitation expensions interpreted data		
Nina quentiti	ed western blat data using using Excel, Image J, and Graphped were. This allowed us to normalize signals and better understand		
the level of	mtorca activity under different treatment conditions. We		
interacted. Nine	I with the mass-spectrometry core at MSKEC to identify now aided in persons the large dataset of interesters to identify		

(Continued on next page)

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

Student's Name(s)	Nina	Su
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4. Detail the student's role in conducting the research (e.g. data collection, specific properformed). Differentiate what the student observed and what the student actually of the arrival gial of Nine's summer research provided activators of the arrange protein complex. Apriliate insulin traduct conditions to account the arrange robust those cells with insulin in timepaint experiments. For preparing lysates from those cells mantifying from the assay, running lysates on SDS-PAGE and against specific markers of arranged activation.  Nine's second aims was called a collection, specific property of the activation.	did.  enaget was to identity  Norm's first aim was to  et mtorca activation in  ing, maintaining and treating  Nine was also responsible  g protein concentrations via  not performing western blats
facility. Ninn perfamed multiple replicates of immers from treated introduced call lystes. Ninn then submers of introduced call lystes. Ninn then submers facility for identification of nTORCI interesting were then portained to identify and identify ana	noprecipitation (IP) experimnes  if the IP: d meterial to the proteins, statistical analyses  proteins.  MYes  No
that point winn was wastly independent in the making lysides mining SAS-PAGE, and pontament	wostern blate was
the state of the state of the state of	and was doing there
independently within a tem week complete	Calle Grant Find the Salte Lake
ISKEL muss-spectrometry facility to identify intak	Ca associated pratoins
I attest that the student has conducted the work as indicated above and that any requinstitutional regulatory board (IRB/IACUC/IBC) has been obtained. Copies are attached further acknowledge that the student will be presenting this work publicly in competing student research regarding any requirements for my review, and/or restrictions of what	ed if applicable.
Christopher Warren Supervising Adult's Printed Name Signature	Postdoctoral Researcher
Memorial Sloan Kettering Cancer Center	Title 1/28/20
Institution	Date Signed (must be after experi-
RRL 221, 430 E67th Street, Ny	mentation) (mm/dd/yy)
Address	warrenc@mskcc.org/212-639-8547 Email/Phone
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