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		nt's Name(s)	Shourav Saha The Role of YY1 in the Modulation of the Podocyte Molecular Phenotype in High Glucose Milie					
		f Project						
			the Supervising Adult in the Setting (NOT the Student(s)) after experiment the form as it is required to be displayed at student's project booth; please do not provide the form as it is required to be displayed at student's project booth; please do not provide the form as it is required to be displayed at student's project booth; please do not provide the form as it is required to be displayed at student's project booth; please do not provide the form as it is required to be displayed at student's project booth; please do not provide the form as it is required to be displayed at student's project booth; please do not provide the form as it is required to be displayed at student's project booth; please do not provide the form as it is required to be displayed at student's project booth; please do not provide the form as it is required to be displayed at student's project booth; please do not provide the form as it is required to be displayed at student's project booth; please do not provide the form as it is required to be displayed at student's project booth; please do not provide the form as it is required to be displayed at student's project booth; please do not provide the form as it is required to be displayed at the form as it is the form as it is required to be displayed at the form as it is is the form as it is is the form as it is the form as it is is it is is the for			e-sided	l.)	
 Did you or your pr substantial guidan a. If no, describe his/her project 		l you or your pr estantial guidar If no, describe	ted research at my work site: roxy (e.g. graduate student, postdoc, employee) mentor or provide nee 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.	☑	Yes	0	No	
	b.	If yes, complet	te questions 2 – 5.					
2.	Use	e 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	
3.	Des a.	The student he researching the formed the bar molecular phe cellular prolife designed the readapt his exprocedures if	cendence and creativity with which the student: hypotheses or engineering goals for the research project elped to develop the hypothesis of the experiment by he relevant literature and helping to draw a conclusion that his for his hypothesis (that YY1 could play some role in the hotype of podocytes due to its presence as a marker of ration and its expression in other kidney cell types). The thodology for his/her research project vious papers that were published from the lab to her perimental methodology. He learned the basic for molecular dynamics (his computational hy) from his mentor, and designed the rest of the					
	C.	analyzed and in the conducted using establish simulations. The by comparing the compar	interpreted data quantitative and qualitative analysis of computational data ed methods of analyzing trajectories from molecular dynamics se student conducted qualitative analysis of experimental data, the expression patterns of proteins in Western blotting oth procedures were conducted in full by the student.					

(Continued on next page)

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

Student's Name(s) Sho	ourav Sa	iha
-----------------------	----------	-----

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.

The student performed all of the computational studies relating to his project, including sequence retrieval, protein structure modeling, and molecular dynamics simulations and analysis. He performed the experimental studies, specifically podocyte cell culture and Western blotting, on his own. He initially observed how to perform the experimental procedures before the start date of the experiment, and initially had some help when performing said procedures; however, he quickly transitioned into handling the procedures independently.

The student collected and analyzed the data independently of his mentor, through analyzing his Western blots and his molecular dynamics trajectories. He independently calculated the RMSD, RMSF, and radius of gyration, among other analytic calculations, of his molecular dynamics simulations.

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)?

The student worked alongside and learned from a post-doctoral researcher, Dr. Alok Jha, who advised them on a path to follow for computational studies and mentored them in experimental procedures.

☑ Yes □ No

I attest that the student has conducted the work as indicated above and that ar institutional regulatory board (IRB/IACUC/IBC) has been obtained. Copies are I further acknowledge that the student will be presenting this work publicly in student research regarding any requirements for my review and/or restrictions.	attached if applicable.		
DR P.C. Singkel Words	Dr.		
Supervising Adult's Printed Name Signature	Title		
Feinstein Institute for Medical Research	1/10/2019		
Institution	Date Signed (must be after experi-		
350 Community Drive, Manhasset, NY 11030	mentation) (mm/dd/yy) psinghal@northwell.edu, (516) 465-3010		
Address	Email/Phone		