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

Student's Name(s) Matthew Daleo and Evan Lockwood

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.

Matthew and Evan collected the fossil samples. After training - and with supervision by beamline scientists- Evan and Matthew mounted the samples on the collection apparatus, loaded the beamline and drove the beamline for data collection. With supervision and guidance by teachers and beamline scientists, Matthew and Evan performed all steps of sample preparation, experimentation, data collection and data analysis.

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)?

Matthew and Evan are the principal student investigators of this project, working directly with the beamline scientist in charge where experimentation was conducted. This project was part of a Brookhaven National Lab Block Allocation Group including students and teachers from the following school districts: Bay Shore, Carle Place, Huntington, Newfield, Northport, Shelter Island, Shoreham Wading River, Westhampton Beach, West Islip, and William Floyd.

☑ Yes ☐ No

I attest that the student has conducted the work as indicated above and that any requi institutional regulatory board (IRB/IACUC/IBC) has been obtained. Copies are attached I further acknowledge that the student will be presenting this work publicly in competitudent research regarding any requirements for my review and/or restrictions of what	ition and I have communicated with the
PAUL Northrup, PD Supervising Adult's Printed Name Signature	Dr. Title
Stony Brook University	Ol 010 2020 Date Signed (must be after experi-
100 Nicolls Road Stony Brook, NY 11794	mentation) (mm/dd/yy) Paul. north woll shaybrook. edu
Address	Émail/Phone

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.

δtι	ıder	nt's Name(s)	Matthew Daleo and Evan Lockwood			
Γit	le of	Project	Elemental Composition of Fossilized Ceratopsidae and Dromaeosauridae Teeth from the Land	ce Formation, W	/yoming	g, USA
			the Supervising Adult in the Setting (NOT the Student(s)) after expering the form as it is required to be displayed at student's project booth; please do not		sided.)	
Th€ L.	Did	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 nce to the student researcher? e your and/or your institution's role with the student researcher and at (e.g. supervised use of equipment on site without ongoing mentorship w.	☑ Yes	_	No
٠						
	b.	If yes, comple	te questions 2 –5.			
2.	Use	e questions 3, 4	search project a subset of your ongoing research or work? I and 5 to detail how the student's project was similar and/or going research or work at your site.	□ Yes	Ø	No
3.	De:		pendence and creativity with which the student: e hypotheses or engineering goals for the research project			
		related to ongoi literature review Synchrotron Lig	new devised their hypothesis entirely independently, and it is not ing research at Brookhaven National Lab. They conducted and wrote a proposal to conduct experimentation at the National int Source -II. All student work was reviewed and critiqued by cientist mentors, but this research question is not part of on-going k.			
	b.	designed the	methodology for his/her research project			
		use. With the gu samples (either l Evan and Matt lo (based on eleme	ew determined which fossil samples to analyze and which controls to idance of beamline scienctists and teachers, the students prepared the by mounting with tape, or crushing then placing in a capillary tube). Daded the samples onto the beam line, decided which energies to use ents of interest), and ran the beamline (all with the guidance of sts.) This methodolgy is standard for each beamline.			
	c.	analyzed and i	interpreted data			
		software fo all data and	ng by beamline scientists on the appropriate reach experiment, Evan and Matt conducted alysis and interpretation independently. This part of an ongoing project.			

(Continued on next page)