Risk Assessment Form (3)

Must be completed before experimentation.

Student's Name(s) Katherine Zhang	
Title of Project Dialdehyde Cellulose Nanocrystal Hydrogel Synthesis for Antibiotic Remediation	
y the Student Researcher(s) in collaboration be answered; additional page(s) may be attached.)	
chemicals, activities, or devices that will be used: ide dous Biological Agent rules).	ntify microorganisms exempt from pre-approval (see
crystals (CNC; Process Development at the U oxycycline hydrochloride (Doxy; Fisher Scienti); NaOH (Sigma Aldrich)	
ful if swallowed, may cause irritation of the digestive tract, r piratory tract irritation, may cause bone structure abnormali	
e gloves/protective clothing/eye protection, ke /mist/vapors, wash hands and any exposed sl cles, work under fume hood and disposable fa	kin thoroughly after handling. When working
osal procedures that will be used (when applicable).	
astes will be disposed in labeled containers to ous waste pickups will be requested by emaili	a designated location in the lab as hazardous ng HazWaste@stonybrook.edu
of safety information. p-content/uploads/sites/398/2017/09/SDS-CNC-rev0517.pdf nsds/?language=EN&subformat=AGHS&sku=13798 com/msds/91533.htm com/MSDS/MSDS/ intry=US&language=en&productNumber=PHR1471&brand=SIAL&Pa SFlang%3Den oclients/safariland/finished_goods/Pioneer%20Forensics%20-%20PF /MMG/MMG.asp?id=246&tid=45	https://www.stonybrook.edu/commcms/environmental-health-a ndsafety/programs/healthcaresafety/environmentalprotection/ waste-disposal ageToGoToURL=https%3A%2F%2Fwww.sigmaaldrich.com%2Fcatalog%2Fpro
	aldehyde Cellulose Nanocrystal Hydrogel y the Student Researcher(s) in collaboration be answered; additional page(s) may be attached.) chemicals, activities, or devices that will be used; ide dous Biological Agent rules). crystals (CNC; Process Development at the U oxycycline hydrochloride (Doxy; Fisher Scientia); NaOH (Sigma Aldrich) is the risks involved in this project. the effects expected, ingestion may cause gastro-intestinal u ful if swallowed, may cause irritation of the digestive tract, i priratory tract irritation, may cause bone structure abnormal is, adverse reproductive effects; Sodium alginate: Low orde aroH: strongly irritating and corrosive, can cause burns and ty precautions and procedures that will be used to re the gloves/protective clothing/eye protection, kee /mist/vapors, wash hands and any exposed s cles, work under fume hood and disposable factors astes will be disposed in labeled containers to bous waste pickups will be requested by emailing of safety information. procentent/uploads/sites/398/2017/09/SDS-CNC-rev0517.pdf asds/?language=EN&subformat=AGHS&sku=13798 con/msds/91533.htm com/MSDS/MSDS/ ntry=Us&language=en&productNumber=PHR1471&brand=SIAL&Pa- islangw3Den inclients/safariland/finished_goods/Pioneer%20Forensics%20-%20PF inclients/safariland/finished_goods/Pioneer%20Forensics%20-%20PF

Digitally signed by Xiangyu Huang Date: 2019,06.01 15.32:00 -07'00'

Xiangyu

Huang

Signature

Xiangyu Huang

Position & Institution

Designated Supervisor's Printed Name

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Date of Review (mm/dd/yy)