Risk Assessment Form (3)

Must be completed before experimentation.

Student's Name(s) David Xiang

Title of Project Heparin-Conjugated Bioactive Glue For Regeneration of Lubricin-infiltrated Meniscus Tears by Recruitment of Stem/Progenitor Cells

To be completed by the Student Researcher(s) in collaboration with Designated Supervisor/Qualified Scientist:
(All questions must be answered; additional page(s) may be attached.)

1. List all hazardous chemicals, activities, or devices that will be used; identify microorganisms exempt from pre-approval (see Potentially Hazardous Biological Agent rules).

   70% ethyl alcohol

2. Identify and assess the risks involved in this project.

   70% ethyl alcohol (EtOH) is a common disinfectant used for maintaining aseptic condition. Although 100% EtOH is highly inflammable and might cause respiratory irritation, the student will use 70% dilution only to wipe specimens with personal protection such as gloves and lab gown so there will be a minimal potential risk.

3. Describe the safety precautions and procedures that will be used to reduce the risks.

   The student will not be allowed to use any chemical by himself. Direct supervision by a professional researcher will be applied to ensure the safety.

4. Describe the disposal procedures that will be used (when applicable).

   Disposal will be followed by the guideline and protocol of EH&S.

5. List the source(s) of safety information.

   Safety data sheet of Thermofisher R40135.

To be completed and signed by the Designated Supervisor (or Qualified Scientist, when applicable):
I agree with the risk assessment and safety precautions and procedures described above. I certify that I have reviewed the Research Plan/Project Summary and will provide direct supervision.

Chang Lee — Designated Supervisor's Printed Name

Signature

06/28/19 — Date of Review (mm/dd/yy)

Associate Professor — Position & Institution

chl2109@cumc.columbia.edu — Phone or email contact information

Over 20 years — Experience/Training as relates to the student's area of research