

Risk Assessment Form (3)

Must be completed before experimentation.

Student's Name(s) Udithi Kothapalli

Title of Project The effects of hypoxia on the expression of hypoxia-inducible factor 1 alpha (HIF-1 alpha) and carbonic anhydrase 9 (CA9) in various breast cancer cell lines

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).

TRIzol reagent, chloroform, methanol, ethanol, DMSO, cobalt(II) chloride (CoCl₂)

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

Minimal risks. The laboratory is following strictly all safety rules. All of the experiments were performed under my direct supervision.

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

Safety training, cell culture and chemical fume hoods, lab coats, chemically resistant gloves.

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

All chemicals and biological waste was disposed following OSHA requirements.

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

All students working in the lab are initially instructed about safety precautions for each laboratory procedure. Safety sheets for all chemical and biological agents used in the lab are filed in a binder placed in the lab.

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.

Dimiter Avtanski, PhD

Designated Supervisor's Printed Name

Signature

06/26/19

Date of Review (mm/dd/yy)

Director, Endocrine Research Laboratory, Friedman Diabetes Institute at Lenox Hill Hospital, Northwell Health

Position & Institution

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Phone or email contact information

15 years laboratory experience
Experience/Training as relates to the student's area of research