



CLARK ATLANTA UNIVERSITY

Job Description

Position Title:	Research Technician
Department:	Cancer for Cancer Research and Therapeutic Development
Reports To:	Geou-Yarh Liou, assistant professor

The following statements are intended to describe the general nature and level of work to be performed and are not intended to be construed as an exhaustive list of all responsibilities, duties and skills required of personnel so classified. All duties listed are essential functions for the position. It is understood that other related duties may be assigned.

General Function (Description):

Research Technician is responsible for performing research projects using mouse models and tissue samples in the field of prostate and pancreatic cancer. The selected candidate will also be expected to execute the given tasks including mouse colony management independently.

Examples of Duties and Responsibilities:

- Execute the mouse experiments and exactly follow the given protocols for the experiments. In addition, manage mouse colonies and check mice daily. Isolate tissues from mice at the endpoint of the experiments. Isolate genomic DNA for genotyping and perform PCR to identify mouse genotype. Perform immunohistochemistry and other assigned experiments related to your project(s).
- Keep meticulous records of all experiments performed and interpretate the obtained data.
- Assist in training undergraduate and graduate students when necessary.

Knowledge, Skills and Abilities:

- Ability to make arithmetical calculations as a part of scientific experiments and exactly follow the given protocols
- Ability to keep clear records, to perform duties efficiently and work with other members in the lab.
 - Knowledge in mouse colony management, mouse breeding, mouse handling and genotyping techniques.
 - Skills in mouse colony maintenance, tissue harvest, mouse handling, gDNA isolation, PCR related techniques.
 - Ability to understand oral and written instructions of scientific nature.
 - Ability to prepare data for scientific publications.
 - Ability to operate laboratory equipment and instruments.

Minimum Hiring Standards:

Education	B.S. degree in the field of biology, biochemistry, physiology or similar majors
Years of Experience	One to two years of mouse handling experience are preferred.
Years of Management/Supervisor Experience	not required