Research Technologist 2 - Cellular Cardiovascular Laboratory

The Cellular Cardiovascular Laboratory, within the Department of Kinesiology, seeks a qualified individual for the position of Research Technologist 2.

The primary duties of this position are as follows:

1. Perform molecular and cellular biological and physiological experiments to include flow cytometry, western blotting, real time PCR, cell culture, isolated heart experiments, coronary artery ligation surgery, mitochondrial isolation, and microscopy in rodents (a minimum of three skills required). Being able to trouble shoot assays is expected. Ability to interact with Huck Core Facility personnel as needed. Animal husbandry including weighing animals and following IACUC protocols is expected.

2. Prepare and troubleshoot buffers, solutions, and samples; Immune cell isolations from blood, heart, bone marrow and spleen will form the basis of the cell culture experiments. Mitochondrial isolation studies are usually performed after coronary artery ligation surgeries. Tissue obtained from physiological experiments may also be subjected to immunostaining and/or electron microscopy analysis. Ability to develop new procedures and trouble shoot for quality control and ordering of supplies. Standard buffer preparation is required for isolated heart experiments, mitochondrial isolation, and any microscopy or staining experiments.

3. Assist faculty member with supervision of both undergraduate and graduate students with laboratory tasks and research experiments. Ensure good laboratory technique and lab book maintenance for all lab personnel.

4. Maintain environmental health and safety records and compliance for laboratory area(s). EHS reporting and CHIMS (chemical) inventory. Maintaining laboratory inventories and protocols.

5. Manage laboratory supplies and budgets. Initiating and reconciling orders, and maintenance of records includes completion of necessary paperwork and interaction with departmental administrative staff to resolve all purchases and orders. Follow up with individual companies may be necessary.

6. Enter, manage, and analyze data. Ability to utilize Excel data management software and ability to generate graphs using sigma plot or equivalent.

This position typically requires a Bachelor's degree or higher plus 4 years related experience or an equivalent combination of education and experience.

The following background checks must be successfully completed for this position:

This position will require successful completion of standard background checks.
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