

Research Microbiologist - 403

A. Microbiologist Research Program

- Specialized scientific support as a research microbiologist is provided which involves participation in the design, planning, conduct and evaluation of research experiments, as well as at least two of the following duties:
- Conduct animal experiments, monitor animals, harvest and process tissues from animals, primary cell culture from various tissues, generate antibodies; fluorescence microscopy; mammalian cell and tissue fractionation; lipid analysis;
- Select appropriate methodology and procedures to meet experimental objectives, making minor modifications or adaptations to established methods, procedures and/or techniques;
- Maintain familiarity with relevant literature and current developments in the area of study and related disciplines.
- Assist in analyzing and interpreting data and prepare summaries of laboratory findings;
- Provide technical assistance to other scientists in the lab as necessary to facilitate their experiments;
- Maintain records of experimental results ;
- Significantly contribute to the submission of one to three scientific manuscripts which pertain to the research department for publication in peer-reviewed journals;
- Ensure quality control and upkeep of the laboratory, to include ordering and maintaining equipment and supplies such as chemicals, biological materials.

B. Training

- Scientists from other organizations or institutions involved in similar or related research projects are interacted and collaborated with;
- Training is provided to others, including technical personnel, fellows, medical students and special volunteers in the use of sophisticated laboratory equipment and in the performance of specialized procedures, techniques, etc.;

C. Technology Transfer

- Active support is provided to the facilitation of one employee invention report, patent application or receipt, establishment or implementation of a CRADA, or other notable material transfers in the current CY.