

## RESEARCH SCIENTIST (RENAL)

GENERAL STATEMENT OF DUTIES: Supervises and performs specialized technical analysis in the Renal Laboratory of the Westchester County Medical Center; does related work as required.

DISTINGUISHING FEATURES OF THE CLASS: Under the general supervision of the Director of the Renal Laboratory, the incumbent of this class is responsible for performing specialized analysis in molecular biology, cardiovascular physiology and pharmacology in the Renal Laboratory. Work involves the statistical analysis of lab data in a coordinated research function with other medical professionals. The incumbent must be proficient in all of the specialized technical and scientific procedures involved in molecular biology to both perform the analyses and provide technical consultation and guidance to others. Responsibility also involves insuring the receipt, recording, grouping and labeling of specimens and the implementation of quality control standards in the Lab. Supervision is exercised over lower level technicians.

### EXAMPLES OF WORK: (Illustrative Only)

Supervises, develops and performs specialized technical procedures in the Renal Lab including (but not limited to) cell culture, RNA determinations, hybridization with DNA probes and genetic cloning;

Interprets test results, and issues written reports;

Operates automated or specialized equipment, and provides instruction, as needed;

Compiles, interprets and evaluates statistical data generated from lab tests;

Conduct experimental studies and participates with other medical professionals in the writing of manuscripts and compilation of supportive scientific documentation;

Provides technical consultation in the development of new procedures;

Performs feasibility studies in setting up new procedures;

Implements lab standards to insure quality control measures;

Supervises, trains and evaluates the work of lower level technicians;

Insures the ordering of adequate supplies for the Lab and the regular maintenance and repair of equipment;

Keeps abreast of developments of new techniques, current events and advancements in the field;

Attends meetings and conferences.

REQUIRED KNOWLEDGE, SKILLS, ABILITIES AND ATTRIBUTES: Thorough knowledge of the principles, practices and techniques used in scientific research, analysis, and experimentation in the fields of physiology, pharmacology and molecular biology; good knowledge of the practices and techniques used for the compilation and statistical analysis of lab data; demonstrated skill in the modern techniques of molecular biology; ability to develop scientific reports describing the results of laboratory studies; ability to work as a member of a medical professional team; ability to supervise the work of technicians; ability to understand, follow and interpret technical instructions; sound professional judgment; initiative; integrity; accuracy; physical condition commensurate with the requirements of the position.

MINIMUM ACCEPTABLE TRAINING AND EXPERIENCE: Graduation from a recognized college or university with a Bachelor's Degree\* in a physical or biological science and either (a) satisfactory completion of 30 post graduate credits\* toward a Master's or Ph.D Degree\* in a physical or biological science and two years of laboratory or research experience in molecular pharmacology biology, genetics, or neurophysiology; or (b) a Ph.D in Physiology, Biophysics or Biology and one year experience as stated in (a).

\*SPECIAL NOTE: Education beyond the secondary level must be from an institution recognized or accredited by the Board of Regents of the New York State Education Department as a post-secondary, degree-granting institution.