PROJECT SCIENTIST
Cancer Biology

NATURE AND PURPOSE

The Project Scientist makes significant and creative contributions to a research or creative project in his/her academic discipline. The appointee possesses the subject matter expertise and the creative energy necessary to function at a high level of competence. The appointee will participate in activities to increase, improve, or upgrade competency. Appointees with Project (e.g., Scientist) titles may engage in University and public service. They do not have teaching responsibilities. Although the Project Scientist is expected to work independently under the general guidance of an academic member with an independent research program (i.e., Professor, Professional Researcher, Specialist in Cooperative Extension, etc), he/she is not required to develop an independent research program or reputation. He/she will carry out research or creative programs with supervision by an individual in an academic title that carries with it automatic Principal Investigator status. The Project Scientist does not usually serve as a Principal Investigator but may do so by exception.

MAJOR RESPONSIBILITIES

1) RESEARCH (98%)

   Research activity (80%)
   This position requires creative contributions to and collaborative development of an active research program investigating topics relevant to the research area of Cancer Biology. The candidate will help to determine research goals in consultation with the Principal Investigator. He/she will design specific projects, including the selection of appropriate methods and techniques. In some cases the candidate may supervise students or technicians regarding the technical aspects of the research, including methods development, trouble-shooting problems, interpreting results and planning follow-up experiments. More specifically, the candidate will work on the p53 family proteins and their downstream targets. The candidate will determine how the p53 family network plays a role in both development and in tumor suppression by using in vitro cell model and in vivo mouse models. The candidate will determine how the p53 family network is regulated by transcriptional and posttranscriptional mechanisms. Furthermore, the candidate will determine whether the p53 family proteins or the p53 family pathway can be explored as a therapeutic target for cancer treatment and prevention.

   Publication (8%)
   The candidate will publish research results in peer-reviewed journals either independently or in collaboration with the PI or other members of the research team.

   Grant Acquisition (10%)
   The candidate will prepare and assist the PI to prepare proposals for funding from federal and state agencies and other funding organizations. The candidate will prepare and assist the PI to prepare reports as required by granting agencies. The candidate will interact with funding agencies and prepare modifications of budgets and other grant components as needed.
2) **PROFESSIONAL COMPETENCE AND ACTIVITY (2%)**
The candidate will participate in professional societies and conferences appropriate to his/her specific field of Cancer Biology and will serve as a reviewer of research proposals and scientific publications as appropriate. The candidate will attend seminars to present research results and may give oral presentations to public and professional interest groups.

When appropriate, the candidate may coordinate and/or give presentations at seminars, laboratory meetings or educational functions.

3) **UNIVERSITY AND PUBLIC SERVICE (0%)**
The candidate will be encouraged to participate in University and Public Service when appropriate but is not required.