

### NEED FOR TIME OF RESEARCH BIOLOGIST FOR BIOASSAYS

During years 4-6 of the Tobacco Program Project we have the following requirements for research biologists for the approved projects of the Grant PO1-CA-29580:

Tables 1-3 list the approved animal population for projects I, III-V, and VII. Accordingly, treatment, observation weighing and recording as well as necropsies and tissue preparations will be completed by one (1) research biologist for:

Year 1 - 260 mice and 520 rats

Year 2 - 160 mice and 690 rats

Year 3 - 260 mice and 520 rats.

For the approved inhalation bioassays for cigarette mainstream and sidestream smoke we have the following time requirements for research biologists:

Simultaneous exposure of 10 hamsters with sidestream smoke and 10 hamsters with mainstream smoke requires 30 minutes. For this procedure the hamsters are transported from the animal holding rooms to the smoking laboratory, are placed in the "holding tubes", are smoke-exposed, returned to their cages and transported back to the animal holding rooms. Since we expose groups of 50+50 hamsters twice daily, the partial requirement for a research biologist for the smoke exposure of the assay is 5 hours. In addition, the research biologist requires 2 hours for "sham smoking" (placing the hamsters in the smoking device and exposing them to air streams in the manner done with smoke). At the end