

OFFICE MEMORANDUM

712628

TO : L. S. Gomez  
M. M. Kligerman  
L. M. Holland  
M. R. Raju

FROM : Robert G. Thomas

SUBJECT : MAMMALIAN RADIOBIOLOGY PROJECTS ASSOCIATED WITH THE LANPF

SYMBOL : H-4

DATE: March 20, 1974

It appears that the meson beam will be available for certain biological experiments in the very near future. Initially the energy will be quite limited but it is anticipated that it will be increased in a stepwise fashion with time. It is imperative that we make available the requirements for mammalian research, so that our plans can be integrated with those of other experimenters. Although many projects have not been initiated, we should submit a "best guess" as to what beam characteristics will meet minimal requirements. In assessing your beam needs, do not be concerned as to how they will be met. We have to assume that another portion of the staff will be concentrating on problems dealing with delivering the proper dose to the proper target site.

Would you please, as soon as possible, submit a brief summary on each of the projects for which you are listed (see attached) as having primary responsibility? These summaries should include the following:

1. Present status of the project (not yet begun; technology worked out and ready to go; needs an estimated X number of weeks or months for completion; if primarily being done by an outside collaborator, what is your input; anything else that seems pertinent).
2. Beam requirements (dosage, volume, geometry, etc.).
3. What other LASL staff members or technicians are, or will be, assisting you.
4. What requirements with regard to space, personnel and equipment would make life easier.

It is recognized that some projects have not been started and that your best guesses may be considerably in error. However, we are in a bind to submit something and I am certain that reasonable amounts of rescheduling will have to be done as the entire program progresses.

RGT:hb

Encl: 1 attachment

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ASSIGNMENT OF MAJOR RESPONSIBILITIES FOR MAMMALIAN  
RADIOBIOLOGY PROJECTS ASSOCIATED WITH THE T-005 PROGRAM

<u>SYSTEM</u>	<u>PRIMARY RESPONSIBILITY</u>	<u>COLLABORATORS</u>
Pig Skin	L. M. Holland	H. Atkins
Spleen Colony	L. S. Gomez	
Intestinal Crypt	L. S. Gomez	R. Withers
Mouse Foot	M. R. Raju	
Bean Roots	M. R. Raju	
Spontaneous Dog Tumors	L. M. Holland	E. Gillette
Oxygen Tension Studies	L. M. Holland	

TRANSPLANTABLE TUMOR SYSTEMS

Mammary Carcinoma	L. M. Holland	E. Gillette
KHT Sarcoma	M. R. Raju	
EMT 6 ( <i>in vivo, in vitro</i> )	M. R. Raju	

LATE EFFECTS

Spinal Cord	M. M. Kligerman
Brain	M. M. Kligerman
Lung	L. S. Gomez
Kidney	L. S. Gomez
Heart	L. S. Gomez
Colon	L. S. Gomez

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