

Office Memorandum • UNITED STATES GOVERNMENT  
MEDDH-SP

TO : Chief, Radiological Service  
Walter Reed Army Medical Center

DATE: 20 October 1958

FROM : Asst Chief, Biophysics and Astronautics Research Branch, U. S. Army  
Medical Research and Development Command

SUBJECT: Application for Research Contract

1. The inclosed copy of research proposal entitled, "Metabolic Changes in Humans Following Total Body Radiation," has been submitted for our consideration by Dr. Eugeno L. Saenger of the University of Cincinnati, College of Medicine, Cincinnati, Ohio.

2. Request review of the attached proposal and please give your recommendation as to whether or not this study should be supported by the Army Medical Service.

1 Incl  
OTSG Form 108

  
ARTHUR D. SULLIVAN  
Lt Colonel, MSC

MEDDR

TO: Asst Ch, Biophysics & Astronautics  
Research Branch, US Army Medical  
Research & Development Command

FROM: Chief, Radiological  
Svc, WRAH

DATE: 22 Oct 1958  
Colisherwood/rk/6:

1. Recommend approval.

2. Much work has been done on the effects of total body irradiation in animals. There has been no real effort to date for similar studies on humans. The validity of the assumption that animal reaction is identical with that in humans is purely assumption. There is definite need for basic work in this field. Any correlation of tumor response to total dose of irradiation by such means as proposed in this project would be of great value in the field of cancer. In addition if by some means such as those proposed accurate knowledge of the total dose of radiation received could be determined it would be of inestimable value in case of atomic disaster or nuclear warfare. The applicant, Dr. Saenger, is well qualified to conduct such research. He is not only an enthusiastic and tireless worker but has the ability to stimulate his co-workers and assistants. He has an unusual analytical mind and is an excellent organizer and administrator. I believe the facilities which he has available are well adapted to the project. It is believed that any funds spent on such a project are well worthwhile.

1 Incl  
n/c

  
JOHN A. ISHERWOOD  
Colonel, MC  
Chief, Radiological Service