

to  
NATIONAL CANCER INSTITUTE, Washington, D.C.

by

The University of New Mexico  
Health Sciences Center  
Cancer Research & Treatment Center  
Albuquerque, N.M. 87131

5/11/75

(TITLE OF PROPOSED PROJECT)

STUDY OF PION RADIOTHERAPY

Principal Investigator

Co-Principal Investigator(s)

Name: M. M. Kligerman, M.D.

None

Title: Director

Soc. Sec. No. [REDACTED]

Dept.: Cancer Research and Treatment Center

New or renewal proposal: renewal  
Amount requested: \$ 870,173  
Proposed starting date: 1 May 1975

If renewal, identification number of previous grant: CA-16127-01  
Proposed duration in months: 12

Submitted by:  
(Prin. Inves.)

M.M. Kligerman  
Name

M. Kligerman  
Signature

Director  
Rank/Title

505-277-3631  
Phone

27/11/75  
Date

Business  
Office

Warren Baur  
Name

W. Baur  
Signature

Asst. Comptroller

277-6264  
Phone

3/31/75  
Date

Approved by:

Morton Kligerman  
Name

M. Kligerman  
Signature

Director of Cancer Center

277-3631  
Phone

27/11/75  
Date

Robert B. Kugler  
Name

Robert Kugler  
Signature

VP/Health Sciences

277-6464  
Phone

3/11/75  
Date

REPOSITORY

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## SECTION I REVISED

Form Approved  
OMB No. 68-00249

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE PUBLIC HEALTH SERVICE  <b>APPLICATION FOR CONTINUATION GRANT</b>	REVIEW GROUP	TYPE	PROGRAM	GRANT NUMBER (Insert on all pp.)	
	CAP	5	P01	CA-16127-02	
	TOTAL PROJECT PERIOD				
	From: 05/01/74		Through: 04/30/77		
REQUESTED BUDGET PERIOD					
From: 05/01/75		Through: 04/30/76			
1. TITLE <b>Study of Pion Radiotherapy</b>					
2A. PRINCIPAL INVESTIGATOR OR PROGRAM DIRECTOR (Name and Address, Street, City, State, Zip Code)  Kligerman, Morton M. University of New Mexico Cancer Research and Treatment Center Albuquerque, New Mexico 87131			4. APPLICANT ORGANIZATION (Name and Address-Street, City, State, Zip Code)  University of New Mexico Cancer Research and Treatment Center Albuquerque, New Mexico 87131		
2B. DEGREE M.D.	2C. PHS ACCOUNT NUMBER 1856000642A1	5. TITLE AND ADDRESS OF OFFICIAL IN BUSINESS OFFICE OF APPLICANT ORGANIZATION  Assistant Comptroller, Health Sciences University of New Mexico Albuquerque, New Mexico 87131			
2D. DEPARTMENT, SERVICE, LABORATORY OR EQUIVALENT Cancer Research & Treatment Center			6. TITLE AND ADDRESS OF OFFICIAL IN BUSINESS OFFICE OF APPLICANT ORGANIZATION  Assistant Comptroller, Health Sciences University of New Mexico Albuquerque, New Mexico 87131		
2E. MAJOR SUBDIVISION Health Sciences Center					
3. ORGANIZATIONAL COMPONENT TO RECEIVE CREDIT FOR INSTITUTIONAL GRANT PURPOSES 20 Other					
7. RESEARCH INVOLVING HUMAN SUBJECTS (See instructions) <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes APPROVED: 17 April 1974 Date			8. INVENTIONS (See instructions) <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes-not previously reported <input type="checkbox"/> Yes-previously reported		
9. PERFORMANCE SITE(S) Cancer Research & Treatment Center University of New Mexico Albuquerque, New Mexico 87131 Congressional District # 1  Los Alamos Scientific Laboratory Los Alamos, New Mexico 87544 Congressional District #1			TELEPHONE INFORMATION		
10. DIRECT COSTS REQUESTED FOR BUDGET PERIOD \$370,173			11A. PRINCIPAL INVESTIGATOR  OR PROGRAM DIRECTOR (Item 2a) M.M. Kligerman, M.D.	Area CODE 505	Tels. No. & Ext. 277-3631
12A. CONGRESSIONAL DISTRICT OF APPLICANT ORGANIZATION SHOWN IN ITEM 4 Congressional District #1			11B. Name of business official (Item 6) Warren Baur Assistant Comptroller	505	277-6261
			11C. Name and title of administrative official (Item 15b) Warren Baur Assistant Comptroller	505	277-6261
			12B. COUNTY OF APPLICANT ORGANIZATION SHOWN IN ITEM 4 Bernalillo County		
13. DO NOT USE THIS SPACE					

14. CERTIFICATION AND ACCEPTANCE. We, the undersigned, certify that the statements herein are true and complete to the best of our knowledge and accept, as to any grant awarded, the obligation to comply with Public Health Service terms and conditions in effect at the time of the award.

15. SIGNATURES (Signatures required on original copy only. Use ink. "Per" signatures not acceptable.)	15A. PRINCIPAL INVESTIGATOR OR PROGRAM DIRECTOR  [Signature]	DATE  3/31/75
	15B. OFFICIAL SIGNING FOR APPLICANT ORGANIZATION  [Signature]	DATE  3/31/75

N1H 2005-1 (Formerly PHS 2590-1)  
Rev. 3-73

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DATE ISSUE JUN 09 1975

Public Health Service  
**NOTICE OF GRANT AWARDED**

Authority of Federal Statutes and Regulations, and Public Health Service Policy Statements applicable to:

Research Grant  Training Grant

202-195-2

Grant Number  
5 P01 CA16127-02 CAP

TOTAL PROJECT PERIOD:  
From 05/01/74 Through 04/30/77

GRANT PERIOD:  
From 05/01/75 Through 04/30/77

Title of Project or Area of Training  
**CANCER RESEARCH AND TREATMENT CTR PROGRAM**

Name-Institution  
**UNIVERSITY OF NEW MEXICO  
CANCER RES & TREATMENT CENTER  
ALBUQUERQUE, N MEX 87131**

Principal Investigator or Program Director  
**KLIGERMAN, MOSTON M MD  
UNIVERSITY OF NEW MEXICO  
CANCER RES AND TREATMENT CTR  
ALBUQUERQUE, N MEX 87131**

APPROVED BUDGET	
OR BUDGET PERIOD 05/01/75 Through 04/30/76	
Personnel	\$ 476,119
Consultant Services*	4,000
Equipment*	309,675
Supplies	32,470
Travel—Domestic*	12,000
Travel—Foreign*	
Hospitalization*	40,000
Patient Costs*	10,000
Buildings and Renovations*	75,000
Publication Costs*	
Other	16,274
<b>PURCHASE SERVICES</b>	<b>200,100</b>
Trainee Stipends*	
Trainee Tuition and Fees*	
Trainee Travel*	
<b>TOTAL DIRECT COSTS</b>	<b>\$ 1,175,638</b>

AWARD COMPUTATION	
1. DIRECT COSTS	\$ 1,175,638
2. INDIRECT COSTS **	\$ 0
(Calculated at _____ rate)	
TOTAL	\$ 1,175,638
4. Less Unobligated Balance from Prior Budget Period(s) — 01 yr., est.	\$ 305,465
<b>5. AMOUNT OF THIS AWARD</b>	<b>\$ 870,173</b>

SUPPORT RECOMMENDED FOR REMAINDER OF PROJECT PERIOD (Subject to the Availability of Funds)

Budget Period	Total Direct Costs
03	1,344,657
04	NOISE

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\*Asterisks indicate limited or restricted budget categories

Remark\*\*APPLICABLE INDIRECT COSTS WILL BE PROVIDED ON A SUMMARY NOTICE.  
SUBJECT TO INSTITUTIONAL COST SHARING AGREEMENT DATED 10/31/69.

See Reverse Side

Common Account Number 5-8422703 PY 75	PHS Account No. 856000642	PHS List Number C-1283-75	PHS Transaction Number P1CA16127A
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GRANTS MANAGEMENT OFFICIAL  
*Leo F. Boscher, Jr.*  
LEO F. BOSCHER, JR.  
GRANTS MANAGEMENT OFFICER  
DIVISION OF CANCER RESEARCH  
RESOURCES AND CENTERS, NCI

Recommending National Advisory Council or Committee  
CANCER  
Signature of PHS Official

*Francis J. Mahoney, Ph.D.*  
FRANCIS J. MAHONEY, PH.D.  
DIVISION OF CANCER RESEARCH  
RESOURCES AND CENTERS  
NATIONAL CANCER INSTITUTE

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Terms of Award

5 P01 CA16127-02 CAP

This award is made with the understanding that a signed, written agreement, approved by the National Cancer Institute, will be executed before August 1, 1975, between the University of New Mexico and the University of California System for research to be conducted at the Los Alamos Scientific Laboratory, Los Alamos, New Mexico. Unless such an acceptable agreement is made by that date, the current award and all future years will be subject to renegotiation. The funds awarded in the Purchase Services category are for the following expenses:

Personnel at the LASL .....	\$ 67,114
Supplies at the LASL .....	70,000
Administrative Services	
Costs (LASL) .....	32,836
Other Expenses at LASL .....	<u>30,100</u>
Total Budget for LASL .....	\$200,100

The University of New Mexico, in accordance with its institutional rebudgeting policies, may rebudget funds within the Los Alamos Scientific Laboratory or within the University of New Mexico budget, but prior National Cancer Institute approval is necessary for rebudgeting between these two accounts.

No indirect costs may be claimed by the University of New Mexico for research conducted at the Los Alamos Scientific Laboratory. The indirect costs at the Los Alamos Scientific Laboratory are included as a direct cost in this award and are based on the approved budget using the negotiated rate available at the time of award. Actual indirect costs claimed must be based on actual direct cost expenditures. Funds awarded for indirect costs (Administrative Services) may not be used for any other purpose without the prior approval of the National Cancer Institute and no additional funds will be awarded for this purpose. Funds may be rebudgeted into (but not out of) the Administrative Services cost category.

Grant funds may be used only for research using protocols that have been reviewed and approved in accordance with the grantee's Assurance accepted by the National Institutes of Health.

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Terms of Award - (cont'd)

5 P01 CA16127-02 CAP

Even if certain aspects of the research are carried out in other institutions, the grantee institution will be responsible for the initial and continuing review of those parts of the study. This review, however, may be carried out in cooperation with appropriate committees or groups within the other institutions.

In the absence of a Hospitalization Negotiation Agreement, charges consistent with those charged other patients at Los Alamos Medical Center and the Lovelace/Bataan Medical Center may be made to this grant for research patient care costs.

In the absence of a Hospitalization Negotiation Agreement, charges consistent with those charged other patients at Bernalillo County Medical Center may be made to the grant provisionally for research patient costs, with adjustment of charges to be made to conform to the rate agreement when established; but only to the extent that funds are available. No additional funds will be awarded for this purpose.

Funds approved for patient care costs may not be used for any other purpose without the prior approval of the National Cancer Institute.

Reimbursements to cooperating institutions shall be made on the basis of approved certified vouchers, signed by the Principal Investigator and approved by an administrative official of the grantee institution.

Included in this award is a carryover of \$75,000 in Alterations and Renovations and \$230,465 in Equipment funds from the -01 year. If the actual balance from the -01 year is less, authorization for this will be reduced accordingly.

Funds awarded may not be committed for alterations and renovations until specific authorization to proceed has been received from the National Cancer Institute, based on a satisfactory technical review of plans, architectural drawings, etc. This restriction does not however, apply to architectural and engineering fees necessary to develop such plans and drawings.

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Terms of Award - (cont'd)

5 P01 CA16127-02 CAP

This grant is subject to the conditions in the Equal Employment Opportunity Statement attached. This applies to any work that may be done for the grantee institution.

Funds provided for alterations and renovations may not be used for any other purpose.

This award reflects amounts negotiated between representatives of the National Cancer Institute and Dr. Morton M. Kligerman.

The Business Representative for this grant is Mr. Don Christoferson;  
Telephone: 301-496-7296.

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Department of Health, Education, and Welfare  
Public Health Service  
National Institutes of Health

NOTICE

NIH recognizes the importance of the partnership role played by the scientist or program officer and the grants management or business officer in interrelating their respective functions to attain optimal management of grant supported projects.

Beginning July 1, 1974, all grant award notices issued by the National Institutes of Health will be dually signed by two appropriate officials representing the programmatic and grants management interests of the awarding component in overall grants administration. The Notice of Grant Award(ed) shall be recognized as the formal notice to the grantee and others that an award has been made.

The scientific and grants management officers have broad responsibilities for scientific or programmatic and business or administrative matters, respectively. The use of dual signatures provides a specific indication of their interests and responsibilities. In addition, these officials and their staffs are available to provide assistance in the administration of the grant throughout the period of grant support.

However, if, in directing inquiries, specific staff members other than those signing the award notice have been assigned programmatic or grants management responsibility for the particular grant, the appropriate names are indicated in the "Remarks" section of the notice.

6/5/74

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