



FEDERAL SECURITY AGENCY • Public Health Service
NATIONAL INSTITUTES OF HEALTH

EXPERIMENTAL BIOLOGY AND MEDICINE INSTITUTE
MICROBIOLOGICAL INSTITUTE
NATIONAL CANCER INSTITUTE
NATIONAL HEART INSTITUTE
NATIONAL INSTITUTE OF DENTAL RESEARCH
NATIONAL INSTITUTE OF MENTAL HEALTH
THE CLINICAL CENTER
DIVISION OF RESEARCH GRANTS AND FELLOWSHIPS

April 20, 1950

Doctor Leo Szilard
Department of Radiobiology & Biophysics
University of Chicago
Chicago, Illinois

Dear Doctor Szilard:

We are pleased to inform you that Mr. Karl Gordon Lark has applied for a Predoctorate Level Research Fellowship from the Public Health Service for research studies in Biochemistry under the sponsorship of Doctor Mark H. Adams, at the New York University College of Medicine. He has given your name as a reference.

From its inception, the Research Fellowship program has had as its major aim the support of promising young investigators in the medical and allied sciences. It has been our belief that through this program a substantial increase in the number of highly qualified scientific research workers would arise who would later be leaders in their chosen fields. All Research Fellowship applications are selected in the face of severe competition of national proportions.

The Fellowship Boards will be greatly interested in your opinion of the candidate's qualifications in the following categories:

- (1) Research ability and promise of future research development;
- (2) Originality of ideas;
- (3) Adequacy of the applicant's professional background;
- (4) Personality as a factor significantly influencing research promise;
- (5) Any pertinent facts concerning the applicant that, in your opinion, will aid the Boards in forming their decisions.
- (6) On the basis of your knowledge of the character and loyalty of the individual to the Government of the United States, do

you recommend the applicant for a Research Fellowship
from the Public Health Service?

We appreciate your cooperation and kind indulgence in this matter.

Sincerely yours,

Frederick L. Stone

Frederick L. Stone, Ph.D.
Chief, Office of Research Fellowships
Division of Research Grants and Fellowships



FEDERAL SECURITY AGENCY
PUBLIC HEALTH SERVICE

IN REPLYING, ADDRESS THE

Tuberculosis Research Laboratory,
411 East 69th St., New York 21, N. Y.

December 19, 1950.

Dr. Leo Szilard,
c/o Quadrangle Club,
University of Chicago,
Chicago 37, Illinois.

Dear Dr. Szilard:

Dr. Hitchings will be in throughout the Xmas week and will be glad to see you at any time. I have made a tentative date for the late morning of Wednesday, December 27th. He would be glad to come in to New York but there might be some advantage in going to his lab since a complete list of available compounds will be there, etc. I may well want to go along, if it's all right with you, as I have some curiosity about seeing this lab. After all, you will note that it is in Westchester County!

Best regards,

Sincerely yours,

Bernie

Bernard D. Davis

BDD/hl

*Dr. George H. Hitchings
Murray's Welcome*

Task Force W.F.

*(Physicist added
Murray)*

PLEASE RETURN THIS CARD TO THE DIVISION OF RESEARCH GRANTS

I have received your recent letter regarding renewal.

I will not need additional forms.

I will need () set(s) of forms.

For years of support additional to that committed,
I intend to submit an application by _____
(Date)

Grant No. E-144 (C)

Signature

Address

FEDERAL SECURITY AGENCY

PUBLIC HEALTH SERVICE

NATIONAL INSTITUTES OF HEALTH

BETHESDA 14, MD.

OFFICIAL BUSINESS

RETURN AFTER FIVE DAYS

PENALTY FOR PRIVATE USE TO AVOID
PAYMENT OF POSTAGE, \$300
(GPO)

Francis L. Schmehl
Division of Research Grants
National Institutes of Health
Bethesda 14, Maryland

FEDERAL SECURITY AGENCY
PUBLIC HEALTH SERVICE
NATIONAL INSTITUTES OF HEALTH, BETHESDA 14, MD.

OFFICIAL BUSINESS
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PENALTY FOR PRIVATE USE TO AVOID
PAYMENT OF POSTAGE, \$300
(GPO)

HIRE THE HANDICAPPED
ITS GOOD BUSINESS

Dr. Leo Szilard
Institute of Radiobiology and Biophysics
The University of Chicago
Chicago 37, Illinois



FEDERAL SECURITY AGENCY • Public Health Service
NATIONAL INSTITUTES OF HEALTH • Bethesda 14, Md.

National Institute of Arthritis and Metabolic Diseases
National Cancer Institute
National Institute of Dental Research
National Heart Institute
National Institute of Mental Health
National Microbiological Institute
National Institute of Neurological Diseases and Blindness
The Clinical Center
Division of Research Grants

July 2, 1952

In reply refer
to: E-144(C2)

Dr. Leo Szilard
Professor of Biophysics
Institute of Radiobiology and Biophysics
The University of Chicago
Chicago 37, Ill.

Dear Dr. Szilard:

I should like to acknowledge receipt of your application for a Public Health Service grant, entitled "Study of the growth, adaptation, and mutation of bacteria and bacterial viruses, carried out with new biophysical methods."

This application, to which we have assigned the reference number shown above, will be presented at the November meeting of the National Advisory Council. Notification of the action taken by the Council will be forwarded to you as soon as possible after the meeting.

Five copies of the application are enclosed for your convenience.

Sincerely yours,

J. M. Ellis, Ph.D.
Project Review Officer

Enclosures - 5

cc: Dr. LeRoy
Dr. Karel
Mr. Schmehl

These dates to be the same as those given on page 1.

BUDGET PROPOSED FOR THE YEAR **December 1, 1952**

through **November 30, 1953**

NOTE: Under column entitled "OTHER" indicate funds presently available or anticipated from other sources including own institution.

BUDGET

REQUESTED FROM P.H.S.

OTHER

PERSONNEL (Itemize all positions by indicating type; names of professional personnel, if selected.)

| | | |
|--|----------------|-----------------|
| Professor of Biophysics (L. Szilard), full time | | \$10,500 |
| Assistant Professor (A. Novick), full time | \$2,000 | 4,500 |
| Research Assistant, full time | 2,200 | 1,100 |
| Research Assistant, full time | 2,100 | 1,200 |

PERMANENT EQUIPMENT (Itemize)

| | | |
|-----------------------------------|--|--------------|
| Apparatus and installation | | 3,000 |
|-----------------------------------|--|--------------|

CONSUMABLE SUPPLIES (Itemize)

| | | |
|-----------------------------------|------------|--------------|
| Glassware, chemicals, etc. | 500 | 2,000 |
|-----------------------------------|------------|--------------|

TRAVEL (State purpose)

| | | |
|---|------------|------------|
| For exchange of information with others working on related subjects and for presenting results at other universities or research institutions. | 300 | 300 |
|---|------------|------------|

OTHER EXPENSE (Itemize)

| | | |
|------------------------------|------------|------------|
| Annuities: L. Szilard | | 525 |
| A. Novick | 100 | 225 |

NOTE: The administrative official signing this application may add for overhead an amount not to exceed 8 percent of the operating costs, i.e. 8 percent of the subtotal.

| | |
|-----------------|----------------|
| SUBTOTAL | \$7,200 |
| OVERHEAD | 576 |

| | | |
|---------------------------|----------------|-----------------|
| TOTAL FOR THE YEAR | \$7,776 | \$23,350 |
|---------------------------|----------------|-----------------|

ESTIMATE OF FUTURE REQUIREMENTS

Estimate of future requirements applies to funds needed from the Public Health Service for the years subsequent to the period proposed at the top of this page. The blanks at the right provide space for requesting four additional years of support; any amounts entered should include "overhead" if such is to be requested. Do not leave any of these spaces blank—enter one of the following as applicable: The amount needed, "not applicable," "unknown" or "none". FOR FURTHER INFORMATION: See detailed instructions accompanying application forms.

1 _____

2 _____

3 _____

4 _____

FEDERAL SECURITY AGENCY
PUBLIC HEALTH SERVICE
NATIONAL INSTITUTES OF HEALTH
APPLICATION FOR RESEARCH GRANT

(LEAVE BLANK)

E-144(C2)

M&G (5)

PUBLIC HEALTH SERVICE
NATIONAL INSTITUTES OF HEALTH
DIVISION OF RESEARCH GRANTS
Bethesda 14, Maryland

Rec. 6-27-52

Date June 12, 1952
Nov. '52 Council

Application is hereby made for a grant in the amount of \$ 7,776.00 for the period

from December 1, 1952 through November 30, 1953
Month Day Year Month Day Year

inclusive (*not to exceed 1 year*) for the purpose of conducting a research project on the following subject:

(Give only brief descriptive title)

TITLE OF PROJECT Study of the growth, adaptation, and mutation of bacteria and bacterial viruses, carried out with new biophysical methods

NAME OF PRINCIPAL INVESTIGATOR

Leo Szilard

TITLE OF PRINCIPAL INVESTIGATOR

Professor of Biophysics

ADDRESS OF PRINCIPAL INVESTIGATOR

Institute of Radiobiology and Biophysics
The University of Chicago, Chicago 37, Illinois

NAME OF FINANCIAL OFFICER
TO WHOM CHECK SHOULD BE MAILED

W. B. Harrell

TITLE OF FINANCIAL OFFICER

Business Manager, Special Projects

ADDRESS OF FINANCIAL OFFICER

The University of Chicago
5801 Ellis Avenue, Chicago 37, Illinois

AGREEMENT

It is understood and agreed by the applicant: (1) That funds granted as a result of this request are to be expended for the purposes set forth herein; (2) that the grant may be revoked in whole or part at any time by the Surgeon General of the Public Health Service, provided that a revocation shall not include any amount obligated previous to the effective date of the revocation if such obligations were made solely for the purposes set forth in this application; (3) that all reports of original investigations supported by any grant made as a result of this request shall acknowledge such support; (4) that if any patentable discoveries or inventions are made in the course of the work aided by any grant received as a result of this application, the applicant will, in consideration of such grant, refer to the Surgeon General of the Public Health Service, for determination, the question of whether such patentable discoveries or inventions shall be patented and the manner of obtaining and disposing of the proposed patents in order to protect the public interest.

NAME OF INSTITUTION

The University of Chicago

NAME AND TITLE OF
OFFICIAL AUTHORIZED
TO SIGN FOR INSTITUTION
(Please Type)

George V. Le Roy, M. D., Associate
~~XXXXX~~
Dean, Division of Biological Sciences

PERSONAL SIGNATURE

(This agreement must carry the actual signature of the official whose name appears on the line above.)

George V. Le Roy

see

Davis, Bernard D.

Stone, Frederick L.