

OAK RIDGE NATIONAL LABORATORY
OPERATED BY
CARBIDE AND CARBON CHEMICALS COMPANY
A DIVISION OF UNION CARBIDE AND CARBON CORPORATION



POST OFFICE BOX 47
OAK RIDGE, TENN.

November 15, 1954

Dr. J. Lederberg
Department of Genetics
University of Wisconsin
Madison 6, Wisconsin

Dear Dr. Lederberg:

A limited number of temporary appointments, essentially of a research associate status, are open in the Biology Division of the Oak Ridge National Laboratory.

These appointments are available to outstanding candidates who: 1) are citizens of the United States; 2) have just obtained their Ph.D. degree, or are recent postdoctorates; and 3) are interested in the basic sciences of Biology, Biochemistry, or Biophysics. They are intended for postgraduates who have demonstrated a definite interest and ability in fundamental research.

We would appreciate your calling this research associateship program to the attention of your students who are graduating in the Spring of 1955, and who in your opinion, or in the opinion of the faculty, should be considered for these positions.

Sincerely yours,

A handwritten signature in cursive script that reads 'Alexander Hollaender'.

Alexander Hollaender
Biology Division

AH:m

Encls.: Announcement
Application form
Organization Chart
Instructions

9. Publications (attach as separate list).
- a) Theses, and research professors' names.
 - b) Published articles: authors (senior author first), title, journal, volume, page and year.
 - c) Authors (senior author first), and titles of articles ready for submission to journals; if in review by journal, please state name of journal.

10. Remarks (mention any problems in which you are particularly interested, and on which you would like to work):

11. Describe your program for professional training, its objectives and your own long range professional goals. (Please attach separate sheet).

12. In what languages are you able to read understandingly the scientific literature of your profession?

13. Specific data for personnel office: Permanent residence address (parents' or other):

_____ Tel. No. _____

Date and place of birth: _____ Citizenship: _____

If naturalized, date and place of naturalization: _____

Have you ever worked or lived in a foreign country? (If so, give dates and places).

Marital Status: _____ Number of dependent children: _____

Draft Status: _____ Social Security Number: _____

To be Notified in Case of Emergency Name: _____ Relationship: _____

Nearest

Address: _____ Telephone: _____

14. Have you any constitutional disorder or physical defect which might have an effect on your activities as a Research Associate? (If so, give details).

15. Have you ever been investigated for government (Army, Navy, AEC) clearance?

16. References (Please list names and addresses of persons whom you will ask to send references):

Signature _____

Please send completed application to: Director's Office
Biology Division
Oak Ridge National Laboratory
P. O. Box Y
Oak Ridge, Tennessee

INSTRUCTIONS FOR SUBMITTING APPLICATIONS

1. Application forms must arrive at the Director's office, Biology Division, Oak Ridge National Laboratory, P. O. Box Y, Oak Ridge, Tennessee, by January 17, 1955.
2. The name of the applicant should be typed in the upper right hand corner of all supplementary materials.
3. Two letters of reference should be sent by major professors in addition to any other professional references designated by the applicant. Be certain to list all these names in the application form under "References".
4. Please request persons sending letters of reference to mail these directly to the address listed in #1 above.
5. One copy of official transcripts of the complete undergraduate and graduate records should be forwarded with the application. If it is impossible to meet this requirement, a letter explaining the circumstances and indicating when the transcripts will be sent, should accompany the application.
6. Information requested in the application concerning thesis and publications, and program for professional training, should be attached to the application.

RESEARCH ASSOCIATESHIPS

at the

BIOLOGY DIVISION, OAK RIDGE NATIONAL LABORATORY

Several appointments as Research Associates will be made for the year 1955-56 for work in the Biology Division of the Oak Ridge National Laboratory. These appointments are designed to encourage the development of investigators in the basic fields of biology, biophysics, and biochemistry of interest to this Laboratory. Within the general program of the Division, the appointees will be given a large measure of independence to carry out investigations along the lines of their own choice. In general, the work will not be classified and publication will be in the open literature.

Eligibility and Tenure

Appointments will be limited to citizens of the United States who have recently obtained the Ph.D. degree in fundamental biology, biochemistry, or biophysics. The appointment will be for one year, but renewal may be recommended.

Stipend

The annual basic stipend is \$4400. An additional allowance of \$300 is made for a married fellow, plus an increment of \$300 per child, to a maximum of \$5300 annually. In exceptional circumstances special arrangements may be made (e.g. somewhat more mature and experienced applicant).

Clearance

More than 95 % of the work in the Division is unclassified but security clearance is required. The necessary clearance forms and additional instructions will be sent to those who are selected.

Applications

Additional applications and information may be obtained by writing to the Biology Division, Oak Ridge National Laboratory, P. O. Box Y, Oak Ridge, Tennessee. Completed applications should reach the Division by January 17, 1955. Applicants will be notified on or before March 1, 1955.

Information about the Biology Division

The Biology Division of the Oak Ridge National Laboratory is set up under the Division of Biology and Medicine of the Atomic Energy Commission, and operated by the Carbide and Carbon Chemicals Company.

The program of the Biology Division includes the following major studies:

- (1) Cytogenetic effects of radiation administered to viruses, microorganisms, plants, and invertebrate animals
- (2) Genetic effects on irradiated mice
- (3) Fundamental genetics and cytology in the fields of chromosome mechanics and gene action
- (4) Radiation effects on cell division, growth, and metabolism
- (5) Developmental injuries occurring in mice irradiated during pregnancy
- (6) Physiological and pathological effects of ionizing radiation in mammals
- (7) Protective effect of modifying agents on radiation injury
- (8) Biochemical studies on nucleic acids, enzymes, and energy-transfer systems
- (9) Plant physiology and biochemistry and special problems in photosynthesis
- (10) Enzyme and isotope tracer studies on microbial intermediary metabolism
- (11) Enzymatic studies on bioluminescence and on radiation effects
- (12) Physical radiobiology including studies of the physical interactions of radiations with biological materials as well as with simple chemical systems
- (13) Studies on basic cell physiology by advanced physical and radiobiological technique
- (14) Investigations of radiation-induced electrolyte disturbances
- (15) Studies on the theory of isotope experiments