

OAK RIDGE NATIONAL LABORATORY
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POST OFFICE BOX Y
OAK RIDGE, TENNESSEE

September 14, 1959

Prof. Joshua Lederberg
Department of Genetics
Stanford University
Stanford, California

Dear Professor Lederberg:

At the meeting on Basic Research at The Rockefeller Institute, Jim Watson from Harvard and I got together and discussed what could be done to get some more basic information on low level effects of radiation in relation to leukemia, toxicity of Strontium 90, genetical induction, and especially to determine if there is a threshold of very low levels of radiation.

We know these are very tough and complicated problems, but they are so urgent that we feel they should be discussed for the purpose of determining at least if some reasonable experiments can be set up as a beginning to the study of them. Most of us have been worrying about these problems for a long time, and I think the time has come that something should be done.

With the approval of Dr. Bronk and under the auspices of the National Academy of Sciences, we are now calling a small group together to discuss the possibility of formulating a plan for acquiring definite information on these problems.

We would like to invite you most cordially to join this meeting which has been scheduled for October 30 and 31 in Washington, D.C. Your travel expenses in connection with this meeting will be taken care of by funds which have been set aside by the National Research Council, according to their policies. We will give you more details as to location, time and reimbursement as soon as we know if you will be with us.

Please let me know as soon as possible whether we can count on you. Attached is a list of invitees to this meeting.

Best personal regards,

Sincerely yours,

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

Alexander Hollaender
Biology Division

AH:mjl

Enclosure

See just;

Hope you will let you can make it. We need your help. Alex

Invitees to October 30-31 Meeting

Beadle, G. W.	- California Institute of Technology -
Brues, A. M.	- Argonne National Laboratory
Dulbecco, R.	- California Institute of Technology -
Dunham, Charles	- U.S. Atomic Energy Commission
Hicks, Samuel	- New England Deaconess Hospital
Hollaender, Alexander	- Oak Ridge National Laboratory
Kaplan, Henry S.	- Stanford University School of Medicine -
Law, Lloyd W.	- National Cancer Institute
Lederberg, Joshua	- Stanford University -
Lewis, Edward B.	- California Institute of Technology -
Luria, S. E.	- University of Illinois
Rogers, Stanfield	- University of Tennessee Memorial Research Center
Russell, W. L.	- Oak Ridge National Laboratory
Upton, A. C.	- Oak Ridge National Laboratory
Watson, J. D.	- Harvard University
Zelle, Max R.	- U.S. Atomic Energy Commission

BIOLOGY DIVISION
OAK RIDGE NATIONAL LABORATORY
ORGANIZATION OF RESEARCH

1959

CYTOLOGY AND GENETICS
Paramecium Tradescantia Vicia Hordeum Neurospora Maize Phage R. F. Kimball O. Carolyn Wells ¹ S. Wolff D. Davidson ² D. Schwartz Barbara A. Swomley ¹ D. R. Krieg D. M. Green ¹ F. J. de Serres H. G. Kølmark ² B. B. Webber ¹
Grasshopper and Habrobracon Mary E. Gauden D. M. Prescott R. C. von Borstel ³ J. G. Carlson ⁴ Anna R. Whiting ⁴
Drosophila D. L. Lindsley E. H. Grell B. Nicoletti ² Rhoda F. Grell ⁴

MAMMALIAN GENETICS AND DEVELOPMENT
Section Chief W. L. Russell
Genetic Effects of Radiation in Mice Elizabeth M. Kelly L. Wickham Josephine S. Gower ⁴
Effects of Radiation on Mammalian Gametogenesis E. F. Oakberg
Developmental Effects of Radiation in Mice Liane B. Russell V. C. Monesi ²
Mammalian Cytogenetics W. J. Welshons E. H. Y. Chu

MAMMALIAN RECOVERY
Hematopoietic Recovery C. C. Congdon R. R. Bigelow ⁴ G. Doria ² M. B. Lion ² S. Rogers ⁴ O. Vas ²
Bone Marrow Physiology L. H. Smith Joan W. Goodman
Tissue Culture M. A. Bender T. T. Phan ²

RADIATION IMMUNOLOGY
T. Makinodan N. Gengozian E. H. Perkins E. E. Capalbo ² F. Celada ² R. D. Owen ⁴ Isabel C. Shekarchi ⁴

RADIATION PROTECTION - LIVING CELLS
Alexander Hollaender* G. E. Stapleton H. I. Adler M. S. Engel A. Marie McCarthy

PATHOLOGY AND PHYSIOLOGY
Section Chief A. C. Upton
Pathological Effects of Radiation G. E. Cosgrove W. H. Benedict ⁴ K. W. Christenberry ⁴ G. Cudkovicz ² U. H. Ehling ²

Physiological and Chemical Effects
T. T. Odell, Jr. W. Friedberg R. A. Popp O. V. Muderrisoglu ²
Electron Microscopy E. B. Darden, Jr. D. F. Parsons ²

Histology and Autoradiography
W. D. Gude

Animal Breeding and Maintenance
T. W. McKinley, Jr. J. C. Kile, Jr. ⁴

CELL PHYSIOLOGY
N. G. Anderson P. Mazur H. E. Bond ¹ B. T. Cole ⁵ E. C. Horn ⁴

NUCLEIC ACID CHEMISTRY
W. E. Cohn F. J. Bollum J. X. Khym

NUCLEIC ACID ENZYMOLOGY
E. Volkin L. Astrachan

CHEMICAL PROTECTION AND PROTEOLYTIC ENZYME STUDIES
D. G. Doherty F. C. Grimm ¹

ENZYMOLOGY
G. D. Novelli K. B. Jacobson F. T. Kenney R. J. Mans H. D. Peck, Jr. M. P. Stulberg C. J. Wust R. W. Bernlohr ⁶ T. Kameyama ² Charlotte R. Lea ¹ Mary-Lowell B. Taylor ¹ W. H. Taylor, Jr. ¹ K. Tonomura ²

MICROBIOLOGY
S. F. Carson** R. K. Clayton M. I. Dolin ⁷ E. F. Phares

PLANT PHYSIOLOGY AND PHOTOSYNTHESIS
Plant Physiology A. H. Haber
Photosynthesis W. A. Arnold

BIOPHYSICS
J. S. Kirby-Smith J. Jagger M. L. Randolph

BIOMETRICS (Mathematics Panel)
A. W. Kimball M. A. Kastenbaum

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Minnie B. Duncan

*Division Director
 **Assistant Division Director
¹Research Associate
²Visiting Investigator from Abroad
³Leave of Absence, NSF Senior Postdoctoral Fellowship, Pavia, Italy
⁴Consultant
⁵Research Participant
⁶USPHS Fellow
⁷Leave of Absence, Guggenheim Fellowship, Paris, France