

# **Guide to the Paul Berg Papers**

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1998

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Overview

Call Number: SC0358
Creator: Berg, Paul, 1926Title: Paul Berg papers
Dates: 1953-1998

**Physical Description:** 87.5 Linear feet **Language(s):** The materials are in English.

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**Custodial History** 

Gift of Paul Berg, 1989, 1991, 2000, 2007, 2013.

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#### Cite As

[Identification of item], Paul Berg Papers (SC0358). Dept. of Special Collections and University Archives, Stanford University Libraries, Stanford, Calif.

#### **Biography**

Biochemistry Professor at Stanford University since 1960, Berg received the Nobel Prize for chemistry in 1980 for "fundamental studies of the biochemistry of nucleic acids with particular regard to recombinant DNA." He was appointed Director of Stanford's Center for Molecular and Genetic Medicine in 1984. In 1967, Berg, working at the Salk Institute, redirected his study of protein synthesis from bacterial cells to tumor viruses. By 1970, this research had led Berg and his associates to conclude their experiments could form the basis of "man-made living matter." Spurred by growing ethical questions, Berg chaired the National Academy of Sciences 1975 conference which focused on the potential hazards of recombinant DNA research and resulted in the policy and quidelines which form the framework for genetic research.

- 1952-1954: American Cancer Society fellow, Institute in Copenhagen and Washington University School of medicine. His work was concerned with clarifying how the master substances of heredity, DNA, transfers its genetic information to analogous molecules, known as RNA, which serve as templates for making proteins.
- 1954: Scholar in cancer research at University of Washington. His work on the genetic apparatus that directs the synthesis of protein earned Berg the Eli Lilly award in biochemistry in 1959.
- 1960: Stanford School of Medicine, associate professor of biochemistry and until 1967 continued work on protein synthesis. All this work was based on bacterial cells, but in 1967, he decided to do research on animal cells, taking a year's leave. He worked at the Salk Institute on tumor viruses.
- 1970: By about 1970, Berg and his associates began to think how they might use tumor viruses to bring new genes to animal cells "man-made living matter" or "engineered a new genetic molecule." This raised the question of ethics, so, in 1973, they stopped experimentation.
- 1975: National Academy of Sciences sponsors meeting, chaired by Berg, whose purpose is to conduct a survey of potential hazards involved (Asilomar). This resulted in a set of recommendations to establish guidelines to put certain constraints on experiments; these were organized by the NIH and are used as guidelines today.
- 1980: Berg was awarded the Nobel Prize in chemistry for "fundamental studies of the biochemistry of nucleic acids with particular regard to recombinant DNA." Berg was also responsible for shaping "policy" for dealing with possible risks of recombinant DNA research.
- 1984: Appointed director of Stanford University's Center for Molecular and Genetic Medicine.

#### **Scope and Content**

Collection focuses on Berg's work with recombinant DNA and includes professional correspondence, 1959-1985; research lab notebooks for the years 1953-1986 which document his work with protein synthesis in bacterial cells and tumor viruses; records concerning the National Academy of Sciences conference on recombinant DNA research guidelines; records from his Stanford positions including administrative files, grant files, departmental records, student files, lectures, and symposia; reprints and illustrations; and videotapes and audiotapes.

### **Access Terms**

National Academy of Sciences (U.S.).

Stanford University. Beckman Center for Molecular and Genetic Medicine.

Stanford University. Department of Biochemistry. -- General subdivision--Faculty.;

Molecular genetics.

Nobel Prizes.

Recombinant DNA--Research.

Science--Moral and ethical aspects.

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                            "Genetic Scientists: Facing the Mutant Microbe," Rolling Stone, June 19, 1975
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                            "Genetisk Manipulation," INGENIOREN, Sept. 22, 1977
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	Accession ARCH-2007-051 Additional Material
	Access Information
	Student records are restricted for 75 years from date of graduation.
	Grad students
Box 7	Arndt- John, Donna
Box 7	Addresses of former group members
Box 7	Bretsdev, Mark
Box 7	Bnaerjee, Ronadip
Box 7	Mantevil-Brutlag, Simone
Box 7	Buchman, Andy
Box 7	Barsoum, James
Box 7	Baldwin, Anne Norris
Box 7	Clanedar, Rich
Box 7	Clark, Steve
Box 7	Carbon, John
Box 7	Canaani, Dan
Box 7	Chamberlin, Michael
Box 7	Chambers, Ian Paul
Box 7	Chu, Gilbert
Box 7	Cuzin, François
Box 7	Cruz, Myra
Box 7	Cole, Charles
Box 7	Dieckmann, Marianne
Box 7	Diaz, Elva
Box 7	DePamphilis, Mel
Box 7	Doerfler, Walter
Box 7	Donoho, Greg
Box 7	Dulbecco, Renato
Box 7	Arnanz, Montserrat
Box 7	Firmenich, Antoine
Box 7	Folk,
Box 7	Fromm, Mike
Box 7	Gassmann, Max
Box 7	Garren, Ron
Box 7	Geller, Al
Box 8	Goff, Steve
Box 8	Hacohen, Nir
Box 8	Hayakawa, Dr. Hiroshi
Box 8	Hays, Sharon, 2 folders
Box 8	Higgins, Mark
Box 8	Hofstetler, Hans
Box 8	Hill, Charles
Box 8	Holland, Eric
Box 8	Hsu, Ming-ta
Box 8	Howard, Bruce

Box 8	Igarashi, Koiche
Box 8	laccarino, M.
Box 8	Jessberger, Rolf
Box 8	Kadesh, Tom
Box 8	Unlabeled folder with photos
Box 8	Jasin, Maria (no label on folder)
Box 8	Konner, Jason
Box 8	Kirk-Felton, Libby
Box 8	Kawakami, Christine
Box 8	Kornberg, Roger
Box 8	Kroeger, Chris
Box 8	Krushelnycky, Bohdan
Box 8	Lagerkvist
Box 8	Lewis, Susanna (2 folders)
Box 8	Littauer, Uriel (2 folders)
Box 1	Muenck, Karl
Box 1	Luria, Sylvie
Box 1	Magnusson, Govan
Box 1	Margolskee, Bob
Box 1	Mark, David
Box 1	McPhail, Mike
Box 1	Mertz, Janet
Box 1	Morrow, John
Box 1	Morrison, Sherie
Box 1	Mulligan, Richard
Box 1	Mukherjee, Siddhartha
Box 1	Nichols, J. F.
Box 1	Nordloh
Box 1	Ogunmola, Prof G. B.
Box 1	Ofengand Reshadu Dave
Box 1	Peabody, Dave Ozawa, Clare
Box 1 Box 1	Ostrem, Dennis
Box 1	Okayama, Hiroto
Box 1	Primakoff, Paul
Box 1	Pontius, Brian
Box 1	Reichardt, Jurgen
Box 1	Rathmell, Kim
Box 1	Remtulla, Ally
Box 1	Reichard, Peter
Box 1	Schreiber, Edgar
Box 1	Rigby, Peter
Box 1	Scott, Christopher (no folder)
Box 1	Shenk, Tom
Box 1	Sklar, Jeff
Box 2	Shishido, Kazuo (2 folders)
Box 2	Smith, Andrew - 2 folders
Box 2	Southern, Peter
Box 2	Soll, Larry
Box 2	Smith, Brad
Box 2	Strehlow, David
Box 2	Stuhlmann, Heidi
Box 2	Symans, R. H.
Box 2	Suresh, Subramani
Box 2	Theland, Lars
Box 2	Yarus, M
Box 2	Tomasson, Mike
Box 2	Wilson, John

Box 2	Walberg, Mark
Box 2	Villareal, L.
Box 2	Trager, Jacqueline
Box 2	Yamiu
Box 2	White, Ty
Box 2	Wood, B.W.
Box 2	Wong, Brian
Box 2	You, Ji Chang
Box 2	Zierler, Helge (2 folders)
Box 2	Zemelman, Boris
Box 3	Strain notebooks - 4 volumes with sections labeled with individual (student?) names
Box 4	Berg Reprints circa 1979-1996
Box 5	Berg Reprints
Box 5	External Science Advisory Committee 1992
Box 5	Univ Colorado Health Science Center 1992
Box 5	Joklik Symposium 1992
Box 5	Beckman Grants Advisory Committee 1992
Box 5	Annenberg Symposium 1992
Box 5	Rockefeller Board 1992
Box 5	Stanford Alumni (2 folders) 1992
Box 5	Juan March Foundation 1992
Box 5	Mel Cohn Symposium 1992
Box 5	Weizmann Dinner 1992
Box 5	Yanofsky Award 1992
Box 5	Cornell keynote, NYC n.d.
Box 5	Personal correspondence
Box 5	Biochem 202 extra handouts
	CMGM Executive Committee
Box 5	minutes 1982-1988
Box 5	minutes 1982-87
Box 5	Directorate, minutes 1982-84
Box 6	PMGM Seminars 1995/96
Box 6	Spectrum nametags - no folder
Box 6	Biological Sciences
Box 6	Developmental Biology
Box 6	Cancer Biology
Box 6	Spectrum Photos- envelope no folder
Box 6	Spectrum 1994
Box 6	Spectrum Expenses
Box 6	Spectrum Expenses - unfoldered material
Box 6	Spectrum program
Box 6	Binder - PMGM New Faculty Recruitment
Box 9	Biochem Department files—may not have listed every file
Box 9	Biochemisry Affiliate Program
Box 9	Biochem Faculty reports
Box 9	Bichem Founders Fund
Box 9	Biochem general
Box 9	Lab spaces
Box 9	Grad admission interviews
Box 9	Heller lecture
Box 9	Stanford Art Committee
Box 9	Stanford Center for Biomedical Ethics
Box 9	Biotechnology-Law Course
Box 9	Cahill Chair
Box 9	Stanford Clinical Cancer Center
Box 9	Consulting/Conflict of Interest matters
Box 9	Dean Funding
Box 9	Dean's Task Force on PhD training

Box 9	Faculty Campaign Planning Committee
Box 9	Stanford Gene therapy Task Force
Box 9	Indirect Cost Debate
Box 9	LCME Accrediation
Box 9	Lohrlein, Christine
Box 9	Millenial Forum
Box 9	Stanford -NIH
Box 10	Videos and books
Box 11-12	Affiliation files
Box 12	Service with non-Stanford organizations, foundations, etc.
Box 12	Genome testimony files
	Accession ARCH-2009-127 Profiles in Science site on Paul Berg [computer files]

## Lecture notes and Nobel Prize files 1978-1998

Box 2, Folder 1-2	Nobel Prize trip 1980
Box 2, Folder 3	Telegrams 1980 Oct
Box 2, Folder 4	News clippings 1980 Oct
Box 2, Folder 5	Congratulatory letters
Box 2, Folder 6	Letters 1980 Oct