



A Biography of Paul Berg: The Recombinant DNA Controversy Revisited

Errol C Friedberg

[Download now](#)

[Click here](#) if your download doesn't start automatically

A Biography of Paul Berg: The Recombinant DNA Controversy Revisited

Errol C Friedberg

A Biography of Paul Berg: The Recombinant DNA Controversy Revisited Errol C Friedberg

With a Foreword by **Sydney Brenner** (*Nobel laureate in Physiology or Medicine, 2002*)

This biography details the life of Paul Berg (Emeritus Professor at Stanford University), tracing Berg's life from birth, in 1926, to the present, with special emphasis on his enormous scientific contributions, including being the first to develop technology that led to gene cloning science. In 1980, Berg received a Nobel Prize in chemistry for this work.

In addition to his contributions in the research laboratory, Berg orchestrated and oversaw a historic meeting at Asilomar, California that centered on a threatening controversy surrounding the perception by some of the harmful potential of recombinant DNA technology. This meeting did much to forestall this controversy and to put in place the regulation of recombinant DNA work, thus putting fears to rest.

The recombinant DNA controversy was a historic outcome of the discovery of gene cloning. Notably, it represented a paramount example of scientific foresight and due diligence by the scientific community, rather than by regulatory entities in the United States and many other countries. The ultimate acceptance of gene/DNA cloning led to a new era of modern biology that thrives to the present.

This book is aimed primarily at scientists and those in training. The book strives to simply provide information for the general reader, but is not specifically tailored for a general reading audience.

While many books cover the recombinant DNA controversy, none have satisfactorily addressed this historic period and are often contradictory about the many who's, where's, and why's involved. Additionally, the great majority of these were written by non-scientists. This biography of Paul Berg provides access to numerous archived letters and documents at Stanford University not previously addressed, and to the chronology of events as recalled and documented by him, as well as other key personalities, many of whom were interviewed.

Contents:

• **Part I:**

- Growing Up in Brooklyn
- The Essential Paul Berg
- College — and World War II
- Western Reserve University
- Copenhagen

• **Part II:**

- Washington University, St. Louis
- Discovering Transfer RNA
- Stanford University — and Its Refurbished Department of Biochemistry
- Transcription and Translation: New Directions

• **Part III:**

- Making Recombinant DNA — The First Faltering Steps

- Making Recombinant DNA — A Major Breakthrough
- *Eco*RI Restriction Endonuclease — A Major Breakthrough
- “Coincidence is the Word We Use When We Can't See the Levers and Pulleys”
- Yet Another Stanford Contribution
- **Part IV:**
 - An Historic Meeting in Hawaii
 - The Recombinant DNA Controversy
 - A Momentous Gordon Research Conference
 - Making Recombinant Molecules with Frog DNA
 - The Controversy Heats Up
 - Asilomar II
 - The Dissenters: A Different Point of View
 - The Aftermath
 - Legislative and Revisionist Challenges to Recombinant DNA
 - Asilomar II — Lessons Learned
- **Part V:**
 - The Nobel Prize in Chemistry
 - Commercializing the Technology
 - Life Goes on
 - The “Retirement” Years
 - Public Policy Issues — and Other Interests
 - Personal Challenges

Readership: Researchers, graduate students, undergraduates in life sciences, medicine and chemistry and interested lay public.

 [Download A Biography of Paul Berg: The Recombinant DNA Contr ...pdf](#)

 [Read Online A Biography of Paul Berg: The Recombinant DNA Con ...pdf](#)

Download and Read Free Online A Biography of Paul Berg:The Recombinant DNA Controversy Revisited Errol C Friedberg

From reader reviews:

Federico Crouch:

Hey guys, do you really want to find a new book you just read? Maybe the book with the headline A Biography of Paul Berg:The Recombinant DNA Controversy Revisited suitable to you? The particular book was written by renowned writer in this era. The book entitled A Biography of Paul Berg:The Recombinant DNA Controversy Revisited is the one of several books that everyone reads now. This book was inspired a number of people in the world. When you read this publication you will enter the new dimension that you ever knew just before. The author explained their plan in the simple way, consequently all of people can easily know the core of this publication. This book will give you a large amount of information about this world now. To help you see the representation of the world in this book.

Jennifer Barton:

Are you kind of active person, only have 10 or maybe 15 minutes in your moment to upgrading your mind ability or thinking skill actually analytical thinking? Then you have a problem with the book in comparison with can satisfy your short space of time to read it because all this time you only find books that need more time to be studied. A Biography of Paul Berg:The Recombinant DNA Controversy Revisited can be your answer since it can be read by anyone who has those short time problems.

Justin Campbell:

Is it you who has spare time subsequently spend it whole day by simply watching television programs or just lying down on the bed? Do you need something new? This A Biography of Paul Berg:The Recombinant DNA Controversy Revisited can be the reply, oh how comes? The new book you know. You are thus out of date, spending your time by reading in this completely new era is common not a geek activity. So what these guides have than the others?

Warren Cruz:

Reading a publication makes you to get more knowledge from that. You can take knowledge and information from a book. Book is composed or printed or descriptive from each source in which filled with update of news. With this modern era like right now, many ways to get information are available for you actually. From media social like newspaper, magazines, science publication, encyclopedia, reference book, story and comic. You can add your knowledge by that book. Are you hip to spend your spare time to spread out your book? Or just looking for the A Biography of Paul Berg:The Recombinant DNA Controversy Revisited when you essential it?

**Download and Read Online A Biography of Paul Berg: The
Recombinant DNA Controversy Revisited Errol C Friedberg
#S168KTI7NX3**

Read A Biography of Paul Berg:The Recombinant DNA Controversy Revisited by Errol C Friedberg for online ebook

A Biography of Paul Berg:The Recombinant DNA Controversy Revisited by Errol C Friedberg Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read A Biography of Paul Berg:The Recombinant DNA Controversy Revisited by Errol C Friedberg books to read online.

Online A Biography of Paul Berg:The Recombinant DNA Controversy Revisited by Errol C Friedberg ebook PDF download

A Biography of Paul Berg:The Recombinant DNA Controversy Revisited by Errol C Friedberg Doc

A Biography of Paul Berg:The Recombinant DNA Controversy Revisited by Errol C Friedberg Mobipocket

A Biography of Paul Berg:The Recombinant DNA Controversy Revisited by Errol C Friedberg EPub