

This article was downloaded by:

On: 24 January 2011

Access details: *Access Details: Free Access*

Publisher *Taylor & Francis*

Informa Ltd Registered in England and Wales Registered Number: 1072954 Registered office: Mortimer House, 37-41 Mortimer Street, London W1T 3JH, UK



Journal of Liquid Chromatography & Related Technologies

Publication details, including instructions for authors and subscription information:

<http://www.informaworld.com/smpp/title~content=t713597273>

A review of: ““Recombination at the DNA Level, Volume XLIX. Cold Spring Harbor Symposia on Quantitative Biology,” Cold Spring Harbor Laboratory, New York, March, 1985, 854 pp., illus., indexes, \$130.00.”

Elliot Evan Cazes

To cite this Article Cazes, Elliot Evan(1985) 'A review of: ““Recombination at the DNA Level, Volume XLIX. Cold Spring Harbor Symposia on Quantitative Biology,” Cold Spring Harbor Laboratory, New York, March, 1985, 854 pp., illus., indexes, \$130.00.”', *Journal of Liquid Chromatography & Related Technologies*, 8: 13, 2535

To link to this Article: DOI: 10.1080/01483918508076586

URL: <http://dx.doi.org/10.1080/01483918508076586>

PLEASE SCROLL DOWN FOR ARTICLE

Full terms and conditions of use: <http://www.informaworld.com/terms-and-conditions-of-access.pdf>

This article may be used for research, teaching and private study purposes. Any substantial or systematic reproduction, re-distribution, re-selling, loan or sub-licensing, systematic supply or distribution in any form to anyone is expressly forbidden.

The publisher does not give any warranty express or implied or make any representation that the contents will be complete or accurate or up to date. The accuracy of any instructions, formulae and drug doses should be independently verified with primary sources. The publisher shall not be liable for any loss, actions, claims, proceedings, demand or costs or damages whatsoever or howsoever caused arising directly or indirectly in connection with or arising out of the use of this material.

BOOK REVIEW

"Recombination at the DNA Level, Volume XLIX. Cold Spring Harbor Symposia on Quantitative Biology," Cold Spring Harbor Laboratory, New York, March, 1985, 854 pp., illus., indexes, \$130.00.

The principles of genetic linkage were first established by Thomas Hunt Morgan in Cold Spring Harbor, New York, in 1911. It has since been proven, many times over, that genetic recombination occurs by chromosomal crossing-over events. This discovery has had such profound effects that, even today, basic genetics is still learned by studying chromosomal recombination.

The advent of recombinant DNA technology has made it quite possible to study genetic recombination in micromolecular detail. At the 49th Annual Cold Spring Harbor Symposia, the 94 papers presented elaborated upon the many biochemical aspects of recombination. These papers covered such topics as chromosomal mechanics, restriction enzymes, DNA self-repair, and DNA site-specific recombination. Included in the subject matter are research strategies for a wide array of biological systems ranging from bacteriophages to mammalian cells and organelles.

This book is divided into 14 sections, each covering a general topic of interest to those in the field of recombinant DNA, and containing several articles presenting research on the particular topic. Although there is some repetition of subject matter within the topics presented, there are many innovative and extremely informative articles. Particularly noteworthy are two articles elaborating upon the mapping and function of the gam and got genes of Phage Mu. There is an article on the meiotic roles of crossing-over, which presents the reader with a good general overview of the subject. There are also several fine articles on the roles of various enzymes in the processes of recombination. There are many other informative articles, but those I've mentioned are particularly well written and useful.

A major weakness of this book is that the 14 sections present topics which are somewhat broad. Some articles do not seem to fit well in the sections into which they have been placed. But, what this book lacks in organization and structure, it more than makes up for in the presentation of informative, up-to-date data. It is an extremely useful desk reference for the basic geneticist, as well as an up-to-date sourcebook of new laboratory techniques in molecular genetics. The reviewer heartily recommends it!

Elliot Evan Cazes
Silver Spring, Maryland