

1. Record Nr.	UNINA9910450808503321
Titolo	Max Delbruck and Cologne [[electronic resource]] : an early chapter of German molecular biology // Simone Wenkel, Ute Deichmann [editors]
Pubbl/distr/stampa	Hackensack, N.J., : World Scientific, c2007
ISBN	1-281-92839-9 9786611928391 981-277-581-1
Descrizione fisica	1 online resource (332 p.)
Altri autori (Persone)	DeichmannUte <1951-> WenkelSimone
Disciplina	572.8092
Soggetti	Molecular biologists - United States Molecular biology - History Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	pt. I. Introduction. 1. A brief review of the early history of genetics / Ute Deichmann -- pt. II. First initiatives, concept, founding and crisis . 2. Founding and crisis / Simone Wenkel. 3. Die erste Zeit / Carsten Bresch. 4. The new start / Peter Starlinger. 5. Building molecular biology in post-war Europe: between the atomic age and the American challenge / Bruno J. Strasser. 6. Beitrag zur Gedenfeier Fur Max Delbruck / Joseph Straub. 7. Niels Bohr's last lecture : an introduction / Gunther S. Stent. 8. Light and life revisited / Niels Bohr -- pt. III. The beginnings. 9. Working with Max Delbruck / Charles N. David. 10. Recollections / Hans G. Zachau. 11. How chemistry met genetics / Horst Feldmann. 12. Eindrcke eines doktoranden / Fritz Melchers. 13. The Institute's impact on neighbouring disciplines / George Michaelis. 14. Life with bacteriophages / Thomas A. Trautner -- pt. IV. Views from outside. 15. View from (Cologne) physics / Bernhard Muhlschlegel. 16. In the smog of genetics : biochemistry in Cologne, my version of history / Lothar Jaenicke. 17. History and fate of a similar concept: the Biology Division of the Southwest Center for Advanced Studies in Dallas / Hans Bremer. 18. TMV in Tubingen and its

escapade with genetics / Karl-Wolfgang Mundry -- pt. V. Research and scientific collaboration. 19. Molecular virology and medical genetics at the Institute of Genetics in Cologne, 1972-2002 / Walter Doerfler. 20. T4 hets and five floors to hang around / Rainer Hertel. 21. The long way from glucose effects in bacteria to (systems-) biology / Joseph W. Lengeler. 22. Attempts to transfer to lab structure and scientific habits from Harvard to Cologne / Benno Muller-Hill. 23. Joining the Institute of Genetics early on as an immunologist / Klaus Rajewsky. 24. Early years of transposon research in Cologne / Heinx Saedler -- pt. VI. Molecular biology and the German University structure. 25. Panel discussion / Hermann Bujard, Walter Doerfler, Klaus Rajewsky -- pt. VII. Establishment and teaching of molecular biology in Germany. 26. Panel Discussion / Charles N. David ... [et al.] -- pt. VIII. Final remarks. 27. Science and society / Peter Starlinger.

Sommario/riassunto

The history of molecular biology in Germany is closely linked to the Institute of Genetics in Cologne, the first molecular biological Institute at a German university. Founded in 1959 by the emigre physicist and future Nobel laureate Max Delbruck, the Institute was the first in Germany to implement less hierarchical American organizational structures and research habits. The Institute had already gained an excellent international scientific reputation by the beginning of the 1960s. This volume comprises the recollections of scientists pertaining to the Institute's research, organization and oth
