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escapade with genetics / Karl-Wolfgang Mundry -- pt. V. Research and scientific collaboration. 19. Molecular virology and medical genetics at the Institute of Geneticsh 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

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Titolo	Geophysics / / edited by Anthony Okiwelu
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Descrizione fisica	1 online resource (160 pages) : illustrations
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Sommario/riassunto	This book is focused on different aspects of geophysical research, particularly on modern approach in subsurface imaging, tectonics, geohazard, seismicity, and Earth planetary system. Syntheses of results from regional and local studies combined with new techniques of geophysical data acquisition and interpretation from diverse geological provinces are presented. Some of the chapter explained clearly the geophysical technic that can image local sources in urban and rural settings in Israel. An example of studies on basement tectonics and fault reactivation in North America using integrated geophysical methods is also presented. Two modes of seismicity, one involving rotational seismology and another based on seismic response in Mexico using Hilbert-Huang transform (HHT) as an alternative technique for extracting data that will be useful for the assessment of potential earthquake, are discussed in other sets of chapters. The integration of geoelectric methods in another chapter demonstrated delimitation of the resistivity anomalies caused by different types of hydrocarbon contaminants and rocks in rural, industrial, and urban sites. The results of electrical resistivity method to define 1D and 2D electrical models from two datasets acquired in dry and rainy seasons in Panama (Central America) were used to show the relationship

between electrical resistivity and volumetric water content. Petrophysical analyses show good fits between resistivity and volumetric water content and known parameters for rocks and soils. The study on Earth planetary system noted that at all stages of the Earth?s formation, convective heat and mass transfer are the most important factors in the dynamics of the planet. The chapter on magnetics shows how remanent magnetization and self-demagnetization complicate the inversion and interpretation of magnetic anomaly with examples from iron deposit in South Australia.