

1. Record Nr.	UNINA9910455941103321
Titolo	Opportunities in biology [[electronic resource] /] / Committee on Research Opportunities in Biology, Board in Biology, Commission on Life Sciences, National Research Council
Pubbl/distr/stampa	Washington, : National Academy Press, 1989
ISBN	1-280-21480-5 9786610214808 0-309-55775-5 0-585-14439-7
Descrizione fisica	1 online resource (470 p.)
Disciplina	574/.072
Soggetti	Biology - Research Life sciences - Research Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di bibliografia	Includes bibliographical references (p. 422-423).
Nota di contenuto	Opportunities in Biology; Copyright; Acknowledgments; Preface; Contents; Executive Summary; THE NEW BIOLOGY; STRUCTURAL BIOLOGY; GENES AND CELLS; DEVELOPMENT; THE NERVOUS SYSTEM AND BEHAVIOR; THE IMMUNE SYSTEM AND INFECTIOUS DISEASES; EVOLUTION, SYSTEMATICS, AND ECOLOGY; PLANT BIOLOGY AND AGRICULTURE; INFRASTRUCTURE OF BIOLOGY RESEARCH AND RECOMMENDATIONS; Training; Equipment and Facilities; Funding; Information Science and Collections; International Cooperation; 1 The New Biology; DIVISIONS BETWEEN TRADITIONAL DISCIPLINES ARE BEING REMOVED; 2 New Technologies and Instrumentation RECOMBINANT DNA TECHNIQUES Recombinant DNA Techniques Permit us to Isolate a Single Gene From the Tens of Thousands Encoded in a Complex Genome; Transformation of Higher Organisms; Biologists Can Specifically Insert a Functioning Gene Into the Genome of Complex Organisms; Making a Transgenic Animal; A Transgenic Animal is Produced Initially by a Combination of Microsurgery And Embryological Techniques; Transgenic Mice Have Been Used For a Variety of

Experiments; Creating Transgenic Plants; The Creation of Transformed Plants Has Been one of The Most Exciting Developments in Modern Biology

Future Prospects The Potential for Using Transgenic Organisms to Make Discoveries Over the Next 5 or 10 Years Is Vast; MONOCLONAL ANTIBODIES; Monoclonal Antibodies Can be Used as Biological Probes For Specific Molecules; MICROCHEMICAL TECHNIQUES; Microchemical Instrumentation Has Had a Powerful Impact on Modern Biology That is Just Beginning to be Felt; FLOW CYTOMETRY; Flow Cytometry is Used to Sort Cells; MICROSCOPY; A Revolution in the Application of Light Microscopy Has Occurred; Video-Enhanced Contrast Microscopy Video-Enhanced Contrast Microscopy Combines the Technologies of Modern Light Microscopy, Video Imaging, and Digital Image...Low-Light-Dose Microscopy; Coupling Biological Chemistry with Advanced Image Processing Has Permitted Low-Light-Dose Microscopy to Evolve as an...; Scanning Acoustic Microscope; The Scanning Acoustic Microscope Measures the Elastic Properties of the Cell; Scanning Tunneling and Atomic Force Microscope; The Scanning Tunneling Microscope Allows One to Image Surfaces with the Resolution of a Few Angstroms

The Atomic Force Microscope Holds Great Promise for Analyzing Biological Specimens MAGNETIC RESONANCE; Magnetic Resonance Spectroscopy is Becoming an Invaluable Tool for Determining the Structures of Complex Molecules; COMPUTERS AND DATA ANALYSIS; Computers are Coming to Play an Central Role in Modern Biology; BIOLOGY AND THE FUTURE; Synergistic Interactions of the New Biology Have Shortened the Time Between Fundamental Observations and Applications; 3 Molecular Structure and Function; Biological Macromolecules are Machines

The Main Theme of Structural Biology Is the Relation of Molecular Structure to Function

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2. Record Nr.	UNISA996392071603316
Autore	Grascome Samuel <1641-1708?>
Titolo	Two letters written to the author of a pamphlet entitled Solomon and Abiathar, or, The case of the deprived bishops and clergy discussed [[electronic resource]]
Pubbl/distr/stampa	London printed, : [s.n.], MDCXCII [1692]
Descrizione fisica	43 p
Soggetti	Nonjurors Church and state - Church of England
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Errata: p. 43. Reproduction of original in the Union Theological Seminary Library, New York.
Sommario/riassunto	eebo-0160