

# Metabolic Regulation: A Molecular Approach

MARTIN

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# Metabolic Regulation A Molecular Approach

**David Freifelder**



## **Metabolic Regulation A Molecular Approach:**

*Metabolic Regulation* B. Richard Martin, 1986-12-31      **Metabolic Regulation in Mammals** David Gibson, Robert A. Harris, 2001-11-22 *Metabolic Regulation in Mammals* presents the basic principles of metabolic control based on investigations conducted during the past 20 years It explains the impact of recent advances in cell biology molecular biology and genetics on the field This text covers all angles of metabolic regulation including blood caloric homeostasis cardiac and skeletal muscle adipose tissue and liver metabolism Review questions summary sections and worked examples help break down the complexity of the subject and details of metabolic pathways are provided for each body system along with accompanying charts This text is ideal for undergraduates in biological and health science disciplines      *Current Catalog* National Library of Medicine (U.S.), First multi year cumulation covers six years 1965 70      **Molecular Biology of the Cell** Bruce Alberts, Dennis Bray, John Howard Wilson (biochemist), Hunt, Julian Lewis, Martin Raff, Keith Roberts, James D. Watson, 1989-01-01 New edition of a text in which six researchers from leading institutions discuss what is known and what is yet to be understood in the field of cell biology The material on molecular genetics has been revised and expanded so that it can be used as a stand alone text A new chapter covers pathogens infection and innate immunity Topics include introduction to the cell basic genetic mechanisms methods internal organization of the cell and cells in their social context The book contains color illustrations and charts and the included CD ROM contains dozens of video clips animations molecular structures and high resolution micrographs Annotation copyrighted by Book News Inc Portland OR      **Metabolic Regulation in Mammals** David Gibson, Robert A. Harris, 2001-11-22 *Metabolic Regulation in Mammals* presents the basic principles of metabolic control based on investigations conducted during the past twenty years It explains the impact of recent advances in cell biology molecular biology and genetics on the field Beginning with the basic concepts this text covers all angles of metabolic regulation including blood caloric homeostasis cardiac and skeletal muscle adipose tissue and liver metabolism Review questions summary sections and worked examples help break down the complexity of the subject and allow the reader to review the principles and concepts presented Details of metabolic pathways are provided for each body system with accompanying charts to provide the reader with an overall perspective This text is ideal for undergraduates across a range of biological and health science disciplines particularly those taking one or two semester courses in metabolic regulation      **National Library of Medicine Current Catalog** National Library of Medicine (U.S.), 1990      **Cell and Molecular Biology** Gerald Karp, 2009-10-19 Karp continues to help biologists make important connections between key concepts and experimentation The sixth edition explores core concepts in considerable depth and presents experimental detail when it helps to explain and reinforce the concepts The majority of discussions have been modified to reflect the latest changes in the field The book also builds on its strong illustration program by opening each chapter with VIP art that serves as a visual summary for the chapter Over 60 new micrographs and computer derived images have been added to enhance the

material Biologists benefit from these changes as they build their skills in making the connection      **Abstracts, 21st Annual Meetings , March 27-April 4, 1992 ,1992      Cell And Molecular Biology** S. C. Rastogi,2006 Cell And Molecular Biology Second Edition Gives An Extensive Coverage Of The Fundamentals Of Molecular Biology The Problems It Addresses And The Methods It Uses Molecular Biology Is Presented As An Information Science Describing Molecular Steps That Nature Uses To Replicate And Repair Dna Regulate Expression Of Genes Process And Translate The Coded Information In Mrna Modify And Target Proteins In The Cell Integrate And Regulate Metabolism Written In A Lucid Style The Book Will Serve As An Ideal Text For Undergraduate Students As Well As Scientific Workers Of Other Disciplines Who Need A Comprehensive Overview Of The Subject Features Of The Second Edition Incorporates Many New Topics And Updates Gives Independent Chapters On Dna Replication Dna Repair Transcription And Translation To Accommodate Recent Advances A New Chapter On Post Translational Modification And Protein Targeting A Chapter On Tools And Techniques Employed In Molecular Biology An Introductory Chapter On Bioinformatics Included To Emphasise That Molecular Processes Can Be Addressed Computationally Extensive Glossary      *Abstracts, 21st Annual Meetings , January 25-February 8, 1992 ,1992*

**Functional Metabolism** Kenneth B. Storey,2004-08-16 Functional Metabolism of Cells is the first comprehensive survey of metabolism offering an in depth examination of metabolism and regulation of carbohydrates lipids and amino acids It provides a basic background on metabolic regulation and adaptation as well as the chemical logic of metabolism and covers the interrelationship of metabolism to life processes of the whole organism The book lays out a structured approach to the metabolic basis of disease including discussion of the normal pathways of metabolism altered pathways leading to disease and use of molecular genetics in diagnosis and treatment of disease It also takes a unique comparative approach in which human metabolism is a reference for metabolism in microorganisms and plant design and presents novel coverage of development and aging and human health and animal adaptation The final chapter reviews the past and future promise of new genetic approaches to treatment and bioinformatics This the most exhaustive treatment of metabolism currently available is a useful text for advanced undergraduates and graduates in biochemistry cell molecular biology and biomedicine as well as biochemistry instructors and investigators in related fields      Biomedical Index to PHS-supported Research: pt. A. Subject access A-H ,1992      Biomedical Index to PHS-supported Research ,1993      Abstracts, 21st Annual Meetings , April 3-16, 1992 ,1992      Federation Proceedings Federation of American Societies for Experimental Biology,1962      Abstracts, 21st Annual Meetings , January 13-26, 1992 ,1992      Abstracts, 21st Annual Meetings , March 5-27, 1992 ,1992

*Science* John Michels (Journalist),1913 Vols for 1911 13 contain the Proceedings of the Helminthological Society of Washington ISSN 0018 0120 1st 15th meeting      Plant Physiology, Biochemistry and Molecular Biology David T. Dennis,David H. Turpin,1990 The purpose of this text is to examine the assimilation and metabolism of carbon and nitrogen in plants These processes are dealt with in an integrative fashion assessing the physiology biochemistry and molecular

biology of each topic being discussed

**Molecular Biology** David Freifelder, 1983

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