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The Biochemical Genetics of Man

edited by D. J. H. Brock and O. Mayo

Department of Human Genetics
University of Edinburgh
Scotland

October 1972, approx. 700 pp., £9.80

This book deals with both the more conventional subjects of biochemical genetics, such as inborn errors of metabolism and protein polymorphism, and other aspects of the molecular variation of man, such as blood groups, leucocyte antigens, haemoglobin diseases, immunoglobinopathies and disorders of coagulation. The role of polymorphism in evolution, and future directions in as yet unsolved Mendelian diseases, are also treated.

This is the first book to attempt a comprehensive cover of both the principles and facts of the biochemical genetics of man and will be an important textbook for research workers in human genetics, haematology, immunology and biochemistry.

Contents Genetic basis of variation. Normal variation. Pathological variation. Author index. Subject index.

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Consulting editors: J. F. Sutcliffe and P. Mahlberg
Volume 5

Oenothera: Cytogenetics and Evolution

Ralph E. Cleland

November 1972, approx. 390 pp., £7.00

Research on *Oenothera* has contributed much to our understanding of heredity: this volume summarizes in chronological order the processes by which present knowledge has been attained and is the first to bring together work on the genetics and evolution of the plant. It will be the definitive treatment of the subject, of value to all biologists, especially those concerned with cytology, evolution, systematics and genetics.

Contents Genetical Behaviour of *Oenothera*. Physical Basis of the Genetical Peculiarities of *Oenothera*. Special Aspects of *Oenothera* Cytogenetics. Evolutionary Considerations. General summary. Appendices. Bibliography. Index.

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Federation of European Biochemical Societies
Proceedings of the Seventh Meeting, Varna (Bulgaria) 1971

Volume 23

Functional Units in Protein Biosynthesis

edited by R. A. Cox
National Institute for Medical Research
Mill Hill, London, England

and A. A. Hadjiolov
Biochemical Research Laboratory
Bulgarian Academy of Sciences
Sofia, Bulgaria

July 1972, xii + 432 pp., £7.00

This volume contains the papers presented at the Symposium 'Functional Units in Protein Biosynthesis' held in Varna, Bulgaria, in September 1971. These papers give an up to date account of the main concepts and experimental results generated in the last few years in the important field of protein biosynthesis. They cover the principal approaches used recently in elucidating the mechanisms of this process in prokaryotes and eukaryotes: structural integration of the ribosomes, recognition mechanisms in the activation of amino acids, interactions of the active constituents of the protein-synthesizing apparatus during initiation, elongation, and termination of the polypeptide chain, genetics and formation of ribosomes, and their interaction with messenger RNA.
Summarizing the results in many important fields of research on protein biosynthesis, it is essential reading for all those concerned with protein biosynthesis in the fields of biochemistry, biology, microbiology and genetics.

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