

Textbooks from Portland Press



Life Chemistry & Molecular Biology

By EJ Wood, University of Leeds, UK, CA Smith, Manchester Metropolitan University, UK and WR Pickering, Canterbury, UK

1 85578 064 X Paperback 1996 230 pages £16.00

Life Chemistry and Molecular Biology explains biological principles and their applications in commercial, medical, ecological and physiological contexts. This book uses a unique and innovative format, consisting of a series of annotated diagrams with linking text, making it an ideal study-guide for both college and university students of biochemistry and other life-sciences, medical and allied health sciences as well as a valuable tool for lecturers.

"It is a very pleasant book, which allies rigorous biochemical and molecular facts with an amazing typographical presentation and illustration... I recommend greatly this book for all readers and also because of its very cheap price." Cellular and Molecular Biology

Fundamentals of Enzyme Kinetics

By A Cornish-Bowden, CNRS, Marseilles, France

1 85578 072 0 Paperback 1995 352 pages £18.00

This book describes the fundamentals of enzyme kinetics, with an emphasis on principles rather than an encyclopaedic accumulation of facts, to allow readers to fill gaps for themselves and proceed in the subject as far as they need to go. It provides the basis for understanding enzyme kinetics, whether at the level of the undergraduate, the research student or the researcher.

"Cornish-Bowden's recently revised Fundamentals of Enzyme Kinetics allows me to offer praise while retaining my self respect, for this is a truly excellent book..."

Ronald Duggleby, Protein Science

Metabolic Regulation: A Human Perspective

By K N Frayn, Radcliffe Infirmary, Oxford, UK

1 85578 048 8 Paperback 1996 286 pages £18.95

Metabolic Regulation: A Human Perspective conveys a modern picture of metabolism which shows there is more to understanding metabolism than being able to reproduce pathway sequences. It aims to make the study of metabolic regulation more interesting to students by placing it firmly in the context of normal daily life.

Metabolic Regulation: A Human Perspective will be invaluable to students across a broad range of allied health sciences, including nutrition, dietetics, sports science, and nursing. This volume will also be extremely useful to both college and university students of biochemistry, physiology, medicine and the life sciences.

"I congratulate the author for an excellent book which puts his thoughts together in a concise yet informative way." Trends in Endocrinology and Metabolism

Understanding the Control of Metabolism

By D Fell, Oxford Brookes University, UK

1 85578 047 X Paperback 1996 300 pages £18.95

This book explains how a new view on the regulation of metabolism has been opened by the theory of Metabolic Control Analysis. It is the first text-book to bring together a full explanation of the new theory and its experimental implementation since its origins in the 1970s. As well as noting the differences between Metabolic Control Analysis and traditional metabolic biochemistry, the book sets the background in enzyme kinetics and metabolic investigations on which the new theory draws.

Understanding the Control of Metabolism is written primarily as a course book for undergraduates who have already taken a basic course in biochemistry and are now studying enzymology and metabolism in more detail.

"Buy, beg or borrow this excellent book, but READ it if you ever use the words "control" or "regulate" in your thinking, research, or teaching. It may change your whole way of looking at one of the main strands of biochemistry." Protein Science

Orders:

Please quote reference
ZPPA1068 when ordering

www.portlandpress.com/books/

*Portland Press, Commerce Way,
Colchester, CO2 8HP
t: 01206 796351
f: 01206 799331
e: sales@portlandpress.com

[†]Please add £2.50 per book to a
maximum of £7.50

Biochemical Society Symposia



Neuronal Signal Transduction and Alzheimer's Disease

Edited by C'O Neill, University College, Cork, Ireland and B Anderton, Institute of Psychiatry, London, UK

1 85578 133 6 Hardback February 2001 250 pages £65.00

The latest in the Biochemical Society Symposium series brings together key researchers from diverse biochemical areas to focus upon signal transduction dysfunction in Alzheimer's disease.

Although specifically focused upon Alzheimer's this book has many parallels in other neurodegenerative disorders and will be of interest to those studying neuronal cell development and function in health and disease.

Cell Behaviour: Control and Mechanism of Motility

Edited by J M Lackie, Yamanouchi Research Institute, Oxford, UK, G A Dunn, and G E Jones, The Randall Institute, King's College, London, UK

1 85578 124 7 Hardback December 1998 360 pages £65.00

This book describes the latest molecular and genetic advances in the study of one of the most fundamental and yet least understood processes of life: the movement of cells.

The recent advances in identifying the molecular components of cell motility can be found in many publications but this text uniquely provides a synthesis of the molecular and sphenomenological aspects that will be required for an understanding of the controlling processes that underlie cell behaviour.

"The organizers of the conference [and editors of the volume], Lackie, Graham Dunn and Gareth Jones, have deftly balanced multiple viewpoints ranging from single-molecule characterization to tissue-level phenomenology. ...uniformly high quality" Cell

Cellular Responses to Stress

Edited by C P Downes, CR Wolf and D P Lane, University of Dundee, UK

1 85578 123 9 Hardback December 1998 184 pages £65.00

This book provides state-of the art information on the wide spectrum of mechanisms which cells, from simple prokaryotes to man, use to respond to different forms of stress induced by chemicals, oxidants and DNA damaging agents.

These mechanisms are fundamental to human health because they are crucial to the sensitivity of micro-organisms to chemotherapeutic agents, and they determine the sensitivity of normal and tumour cells to environmental agents and anti-cancer drugs. Research on these pathways is providing a wealth of new targets from which novel therapeutic agents are likely to emerge.

This book brings together some of the world's top scientists who work in different, but inter-related aspects of cellular responses.

Mitochondria and Cell Death

Edited by GC Brown, University of Cambridge, UK, D Nicholls, University of Dundee, UK, and C Cooper, University of Essex, UK

1 85578 125 5 Hardback October 1999 240 pages £65.00

This book reviews the involvement of mitochondria in cell death and disease. This is a rapidly expanding field of major importance to both basic biology and medical science. Clear and comprehensive chapters from some of the key researchers in the field cover most aspects of the subject from the molecular to the *in vivo* level. The role of mitochondria in neurodegenerative, inflammatory and ischaemic diseases, as well as necrosis, apoptosis and ageing is reviewed. Each chapter is by a different set of authors describing one aspect of the field. Researchers and postgraduates throughout biology and medical science will want to read this book.

Orders: Please quote reference ZPPA1067 when ordering

*Portland Customer Services, Commerce Way, Colchester, CO2 8HP

t: 01206 796351 f: 01206 799331 e: sales@portlandpress.com †Please add £2.50 per book to a maximum of £7.50

Published by Portland Press on behalf of the Biochemical Society

www.portlandpress.com/books