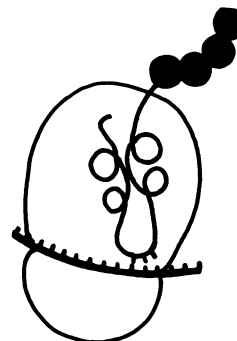


GENE EXPRESSION

— Regulation at the RNA and Protein Levels

Edited by J. Kay, F.J. Ballard and R.J. Mayer



204 pp. ISBN 0 904498 24 7 Price £35 (US \$65) BIOCHEMICAL SOCIETY SYMPOSIUM NO. 55

List of contents and authors: *Gene Expression and Differentiation in F9 Mouse Embryonal Carcinoma* by **Marilyn J. Sleight**; *Regulation of Genes Associated with Drug Metabolism* by **William H. Elliott, Brian K. May, Michael J. Bawden & Antony J. Hansen**; *Cloning and Expression of the Genes for Calpains and Calpastatins* by **Takashi Murachi, Emiko Takano, Masatoshi Maki, Yoshifumi Adachi & Masakazu Hatanaka**; *Peptide Signals for Protein Degradation within Lysosomes* by **J. Fred Dice & Hui-Ling Chiang**; *Haemopoietic Growth Factor Control of Normal and Neoplastic Cellular Proliferation* by **Antony W. Burgess, Jonathan Cebon & Sandra Smith**; *Nuclear Pre-mRNA Splicing in *Saccharomyces cerevisiae** by **Jean Beggs, Marie Lossky & Gordon J. Anderson**; *Control of mRNA Stability During Development of *Dictyostelium discoideum** by **Giorgio Mangiarotti**; *Effects of Insulin-Like Growth Factors on Protein Metabolism: Why are some Molecular Variants more Potent?* by **F. John Ballard, Geoffrey L. Francis, Christopher J. Bagley, Laszlo Szabo & J. C. Wallace**; *Hormonal Regulation of Gene Expression* by **John W. Funder**; *Mechanisms by which Prolactin and Glucocorticoids Regulate Casein Gene Expression* by **Jeffrey M. Rosen, Patrick Poyet, Heather Goodman & Kuo-Fen Lee**; *Processing of the Polymeric Immunoglobulin Receptor* by **Roberto Solari, Esther Schaerer, Corinne Tallichet, Liliane Racine & Jean-Pierre Kraehenbuhl**; *Experimental Characterization of the Autophagic - Lysosomal Pathway in Isolated Rat Hepatocytes* by **Paul B. Gordon, Gunn Ø. Kisen, Attila L. Kovacs & Per O. Seglen**; *The Molecular Chaperone Concept* by **R. John Ellis, Saskia M. Van Der Vies & Sean M. Hemmingsen**; *Protein Folding and Intracellular Transport: Studies on Influenza Virus Haemagglutinin* by **Mary-Jane Gething & Joe Sambrook**; *Role of Protein Disulphide-Isomerase in the Expression of Native Proteins* by **Robert B. Freedman, Neil J. Bulleid, Hillary C. Hawkins & Jan. L. Paver**; *Intermediate Filament-Ubiquitin Diseases: Implications for Cell Sanitization* by **R. John Mayer, James Lowe, Graham Lennox, Michael Landon, Ken MacLennan & Fergus J. Doherty**; Subject index.



Portland Press Ltd.

P.O. Box 32, Commerce Way, Colchester CO2 8HP, U.K.
Telephone 0206 46351 Facsimile 0206 549331

Plant lipid biochemistry, structure and utilization

edited by Peter Quinn and John Harwood

The Ninth International Symposium on Plant Lipid Biochemistry was held at Wye College, Kent, in July 1990. Not only has the scale and scope of the topic expanded since the first biannual meeting in 1974, but there have been giant strides, particularly in the last few years, in our knowledge of the detailed structure and function of plant lipids. Industry has never been slow to recognize the commercial importance of plant lipids and has invested heavily in the new technologies described in this book. Virtually all the laboratories that have contributed to these developments were represented at the meeting, and this volume is a compendium of their individual contributions.

Contents: the articles, both plenary lectures and poster contributions, are arranged under the following topics: lipid structure and analysis, physical properties of membrane lipids, role of lipids in membranes, fatty acid synthesis, acylthioesterases and acyltransferases, triacylglycerol formation, polar lipid synthesis and translocation, catabolism of lipids, sterols and terpenoids, modulation of membrane lipid turnover, effect of light and temperature, herbicides and pathological changes in plant lipids, molecular biology and biotechnology.

ISBN 1 85578 003 8

Casebound, 480 pages

Price £47.50 /US\$95



**Portland Press Ltd, P.O. Box 32, Commerce Way,
Colchester CO2 8HP, U.K.**

Order with credit card by telephone (0206-46351) or fax (0206 549331)

26 Essays in 26 BIOCHEMISTRY

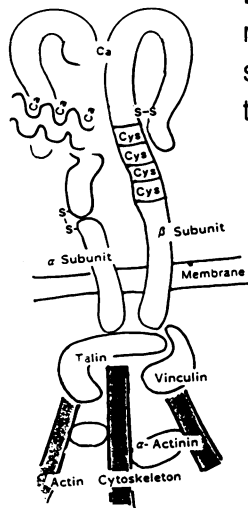
Volume 26

Edited by **K. F. Tipton**

ISBN 1 85578 007 0 PRICE : £12.50/US\$25.00

Essays in Biochemistry is one of the most popular series of books created by the Biochemical Society. First started in 1965, and until recently published by Academic Press, the Society has now entrusted its publication to Portland Press. The series has undergone extensive revision to restore its relevance for its primary audience - advanced undergraduates, graduate students and their teachers.

Essays in Biochemistry will be published annually at the start of each academic year. Each volume will cover exciting and rapidly developing areas of biochemistry and molecular and cellular biology of particular interest to students and their teachers. Carefully selected bibliographies provide a lead in to the primary literature, helping readers pursue topics in greater depth.



Contents

- The biochemistry of memory **Steven P. R. Rose**
Tubulin and microtubules **Edward H. Byard and Bodo M.H. Lange**
Plant signal perception and transduction: the role of the phosphoinositide system **Bjørn K. Drøbak**
Artificial cell adhesive proteins **Kiyotoshi Sekiguchi, Toshinaga Maeda and Koiti Titani**
The urea cycle: a two compartment system **Malcolm Watford**
Antibody engineering: an overview **Richard O'Kennedy and Paul Roben**
Ecstasy: towards an understanding of the biochemical basis of the actions of MDMA **Marcus Rattray**
Structure and function of ribonuclease A binding subsites **Xavier Parés, M. Victòria Nogués, Rafael de Llorens and Claudi M. Cuchillo**
Metabolic studies using ¹³C nuclear magnetic resonance spectroscopy
Ronnitte Badar-Goffer and Herman Bachelard



Order form

Please send me ___ copies of **Essays in Biochemistry**
(£12.50/US\$25.00)

Name: _____

Address: _____

_____ Postcode _____

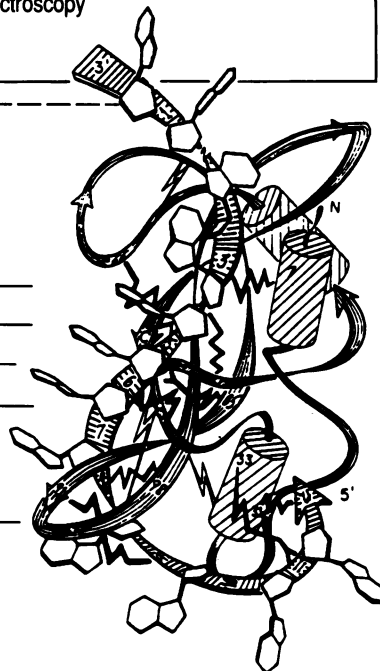
Credit card number:

Expiry date: _____ Signature: _____

Payment can be made by cheque or credit card.

Send this order form to: **Portland Press Ltd, Commerce Way,
Colchester CO2 8HP England**

Or order by fax: 0206 549331 (+44 206 549331)



Four firsts from **BIOS** SCIENTIFIC PUBLISHERS

Oncogenes and Tumor Suppressor Genes *F. Macdonald and C.H.J. Ford*

This book is the first in a new series called "Medical Perspectives", devised specifically for non-specialists working in medicine and the medical sciences. Medical students in particular will find these concise texts useful. Primarily intended to inform and explain, each book in the series examines the fascinating developments now occurring in the life sciences which are having, or which are likely to have, a major impact on human medicine and medical practice.

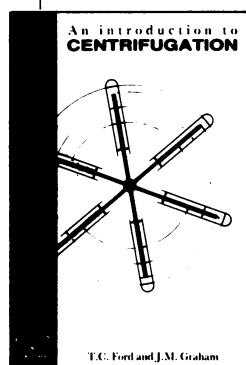
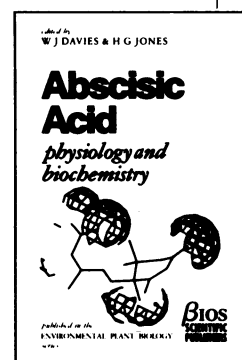
In this book, the authors use the most up-to-date laboratory and clinical data to summarize our present understanding of the roles of oncogenes and tumor suppressor genes in cancer. They also describe techniques for studying these genes, their clinical relevance for diagnosis and prognosis, and ideas for turning this knowledge into useful clinical treatments.

ISBN 1 872 748 55 4 paperback published May 1991, price £11.95/US\$24.00

Abscisic Acid: Physiology and Biochemistry *Edited by W. J. Davies and H. G. Jones*

The first volume in this new series of high-quality, carefully edited, and topic-oriented reviews comprises an up-to-date survey of the state of our knowledge concerning the plant growth regulator, abscisic acid. Leading experts from the USA, Europe and Australia emphasise recent advances and the application of molecular techniques.

ISBN 1 872748 65 1 hardback to be published in October 1991, price provisionally £39.95/US\$80.00



An Introduction to Centrifugation *T.C. Ford and J.M. Graham*

"Introduction to Biotechniques" is a new series which gives the novice an introduction to basic techniques. Each book covers both the theory and the practical applications of a key technique. This first book explains what centrifugation is, what it does, how it does it, and the types of centrifuges, rotors, techniques, and density gradient media currently available. It is also useful for the more experienced worker who needs a better grasp of the theory to modify or design new separation methods.

ISBN 1 872748 40 6 paperback published February 1991, price £12.95/US\$25.00

Molecular Biology LABFAX *T.A. Brown*

Tracking down useful data is time-consuming and frustrating. Now, a new series of books provides the data you need ... quickly and accurately. Labfax is the most comprehensive, easy-to-use, best value for money laboratory companion yet conceived.

ISBN 1 872748 00 7, spiral bound in hard case published January 1991, price £21.95

The LABFAX series is co-published in North America with Academic Press, Inc., and in the rest of the world with Blackwell Scientific Publications Ltd. Orders from North America to Academic Press Inc.

Orders to:

Portland Press Ltd, Commerce Way, Whitehall Industrial Estate, Colchester CO2 8HP, UK

Tel: (0206) 46351. Fax: (0206) 549331.

Portland Press is an accredited agent for Bios Scientific Publishers Ltd.

LABFAX