

# Signalling Titles

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### Essays in Biochemistry: Cell Signalling

Edited by DJ Bowles, University of York, UK

1 85578 071 2 Paperback 1997 192 pages £18.00

The subject of this volume of Essays is cell signalling – the molecular events of information transfer, occurring within or between cells, that link external changes to internal responses. A broad range of topics have been chosen, to provide insights on a variety of processes in a range of cells and organisms.

Illustrated through-out with clear diagrams which convey complex information in a more accessible way.

The extensive bibliographies and further reading lists will provide undergraduates and postgraduates with a valuable bridge between textbooks and research papers. Serves as a useful teaching aid for lecturers in biochemistry and molecular biology.

### Landmarks in Intracellular Signalling

Edited by RD Burgoyne and OH Petersen, University of Liverpool, UK

1 85578 101 8 Paperback 1997 278 pages £20.00

The idea behind Landmarks in Intracellular Signalling is to provide full reproductions of a set of key papers which have been chosen as landmark papers in the various aspects of intracellular signalling. The selected papers have all resulted in significant advances in one or other aspect of intracellular signalling.

Readers of *Landmarks in Intracellular Signalling* will now have easy, ready available access to the original literature from one source. The papers are accompanied by commentaries that describe why the papers were significant, how the work came about and summarize the advances that have been made up to the present time as a consequence of the original paper.

### The Biology of Nitric Oxide Part 6

Edited by S Moncada, Cruciform Project, London, UK, N Toda, Shiga University of Medical Science, Japan, H Maeda, Kumamoto University, Japan and EA Higgs, Cruciform Project, London, UK

1 85578 127 1 Hardback 1998 380 pages £110.00

Proceedings of the 5th International Meeting on the Biology of Nitric Oxide, Kyoto, Japan, 1997

This book will provide an up-to-date overview of the current status of the field with contributions from over 400 specialists covering the following areas: enzymology; molecular cloning and knockouts; histochemistry; biochemical actions of NO; detection methods; macrophages; infection, inflammation and cytotoxicity; cancer and rejection; central nervous system; peripheral nervous system; heart and lung; vascular physiology and pharmacology; cardiovascular pathophysiology; clinical aspects; nitric oxide donors.

### Nitric Oxide and the Cell: Proliferation Differentiation and Death

Edited by S Moncada, Cruciform Project, London, UK, G Nisticò, University of Rome, Italy, G Bagetta, University of Rome, Italy and EA Higgs, Cruciform Project, London, UK

1 85578 120 4 Hardback 1998 200 pages £80.00

Proceedings of the II International Paraelios Symposium: Nitric Oxide and the Cell: Proliferation Differentiation and Death, Baia Paraelios, Calabria, Italy, 1996

Nitric Oxide has proven to be a molecule with a wide biological significance. It is involved in myriad actions which range from physiology to pathophysiology. One of the fundamental questions in relation to its biological relevance concerns the paradoxical nature of some of its actions. For example, there is a whole range of effects related to cytoprotection, cell proliferation, differentiation and cell death. The way in which nitric oxide becomes involved in pathophysiology is slowly being elucidated.

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# Neurobiology Titles

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### **Metabotropic Glutamate Receptors and Brain Function**

*Edited by F Moroni, University of Florence, Italy, F Nicoletti, University of Catania, Italy and DE Pellegrini-Giampietro, University of Florence, Italy*

1 85578 117 4 Hardback 1997 342 pages £75.00

The aim of this book is to provide a broad and complete overview of current research on metabotropic glutamate receptors (mGluRs). *Metabotropic Glutamate Receptors and Brain Function* provides scientists with a tool for a deeper understanding of mGluRs and a broader perspective in the search for new approaches in the treatment of neurological and psychiatric disorders. The information collected in this book should contribute to the development of research in the mGluR area.

The thirty chapters in this volume, by many of the key authors in this field, cover almost every area of mGluR research. This book is divided into five sections:

- Molecular Biology and Structure
- Functional Anatomy and Role in the CNS
- Electrophysiology
- Neurochemistry (Releaser and Signal Transduction)
- Pharmacology and Drug Design

The book will prove useful not only to scientists and students who are currently discovering "the mGluR world," but also to more experienced mGluR researchers who wish to have an updated reference text in their library.

### **Amino Acid Neurotransmission**

*Edited by FA Stephenson, University of London UK and AJ Turner, University of Leeds, UK*

1 8578 080 1 Hardback 1998 262 pages £75.00

Frontiers in Neurobiology No. 3

This book concerns all aspects of amino acid neurotransmission in the brain. It covers an integrated approach to the inhibitory and excitatory neurotransmission including release of transmitter, receptor subtypes - molecular pharmacology and molecular biology, inactivation via uptake systems and their involvement in disease processes. The book is written by international authorities in each field giving up-to-date information in a fast moving area. Amino Acid Neurotransmission includes both pre- and post-synaptic mechanisms

### **Neuropeptide Gene Expression**

*Edited by AJ Turner, University of Leeds, UK*

1 85578 044 5 Hardback 1994 262 pages £65.00

Frontiers in Neurobiology No. 1

*"the volume will be important reading for final-year undergraduates and graduate students."*

Neuropeptides are a rapidly growing class of signal molecules. Study of their molecular biology is providing insights into important mechanisms of gene expression. In this book, leading scientists survey the recent progress made in identification of neuropeptides and the factors regulating their expression including transcription factors, enzymes involved in post-translational processing as well as agents modulating peptide hormone release at synaptic terminals. It will be of interest to both neuroscientists and those studying gene expression in general.

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