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*Publisher for the Biochemical Society*

## Oxidative Stress, Lipoproteins and Cardiovascular Dysfunction
Edited by C A Rice-Evans, *UMDS, University of London, UK* and K R Bruckdorfer, *RFHSM, University of London, UK*

This book brings together some of the foremost researchers in the field of free radical biology as applied to cardiovascular disease, who present up-to-date but concise information concerning new developments in this exciting area of research. The book examines and evaluates our understanding of the role of lipoprotein oxidation in atherosclerosis, mainly from an experimental viewpoint, but referring appropriately to clinical observations. These concepts have given an important stimulus and validity to free radical research and have unleashed much controversy. The book therefore presents different perspectives on the outstanding problems concerning the mechanisms of initiation of atherosclerosis and reperfusion injury and it will also highlight areas for future development. The book will be of value to scientists and clinicians interested and involved in the development of this fertile area of research.

**ISBN 1 85578 045 3**  
**Hardback**  
**175 pages**  
**April 1995**  
£50.00/$80.00 (provisional)

## Pulmonary Vascular Remodelling
**J E Bishop** and **G L Laurent**,  
**and J Reeves**,

Pulmonary Vascular Remodelling describes the structure of the pulmonary vasculature, giving detailed information on the role of each function of this circulating system. It also provides a detailed description of the molecular and cellular changes and biochemical processes involved in pulmonary vascular remodelling. Topics covered range from the diversity of the pulmonary circulation and its adaptation to changes in the environment, to the dynamic nature of extracellular matrix metabolism in the pulmonary vasculature, and the mechanisms that regulate the remodelling processes.

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Edited by **S Moncada**, **M Fehlisch**, **R Busse** & **E A Higgs**

**Part 3 Physiological and Clinical Aspects**

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## Mitochondria: DNA, Proteins and Disease
Edited by **V M Darley-Usmar** and **A H V Schapira**

Whilst the function of mitochondria in cell metabolism is well understood, the role which dysfunctional mitochondria play in human disease is just emerging, with many mutations and more diseases associated with mitochondrial abnormalities, eg mitochondrial myopathies, encephalopathies and Leber's hereditary optic neuropathy being described regularly. This book aims to bridge the gap between basic research and clinical practice by bringing together the genetic and bioenergetics aspects of mitochondrial metabolism.

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Edited by **R K Reed**, **G A Laine**, **J L Bert**, **P Winlove** and **N McHale**

Interstitium, Connective Tissue and Lymphatics offers new perspectives on the inter-relationship of the structure and function of the interstitium, and the formation and propulsion of the lymph.

During the last decade, new insights based on work from the field of molecular biology and cellular biology have greatly influenced our understanding of regulatory mechanisms on the genomic and cellular levels, and physiological and biomedical engineering research has continued to supply information and new ideas as to function and mechanisms associated with the interstitium, connective tissues and lymphatics.

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Edited by A J Turner

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Molecular Botany: Signals and the Environment
Edited by D J Bowles, P M Gilmartin, J P Knox

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Membrane Titles from Portland Press

Membrane Protein Expression Systems
A User's Guide
Edited by Gwyn Gould

This book is a simple-to-read laboratory manual describing the principles behind the commonly used expression systems, e.g. Escherichia coli, Xenopus oocytes, baculovirus, vaccinia and yeast. Detailed experimental protocols for each system are provided in an easy-to-use, step-by-step format. The benefits of each system, as well as the likely pitfalls that newcomers might encounter, are discussed in each case. This user-friendly guide is a must for all researchers, from PhD students to senior scientists studying membrane proteins.

Temperature Adaptation of Biological Membranes
Edited by A R Cossins

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Cardiovascular Regulation

Edited by D Jordan, and J M Marshall

Cardiovascular Regulation provides an up-to-date account of our current understanding of the control of the cardiovascular system which is not covered by existing textbooks. Each chapter has numerous summaryboxes and also 'Essential Reading' suggestions for additional reading for undergraduates and 'Further Reading' suggestions for postgraduates.

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