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## Renin–Angiotensin A Centenary Symposium of the discovery of the renin–angiotensin system

*Edited by* M Aurell, Njurmedicin, Göteborg, Sweden, and  
H Ulfendahl, University of Uppsala, Sweden

This book is based on a symposium held at the Wenner-Gren Research Centre to commemorate the centennial jubilee of the discovery of the renin–angiotensin system by Robert Tigerstedt. The symposium provided a forum for leading scientists from an international background to discuss the most recent advances in this important field of research. The resulting volume illustrates the far-reaching implications of the renin–angiotensin system in both physiology and medicine.

**Series:** *Wenner-Gren International Series*

### Contents:

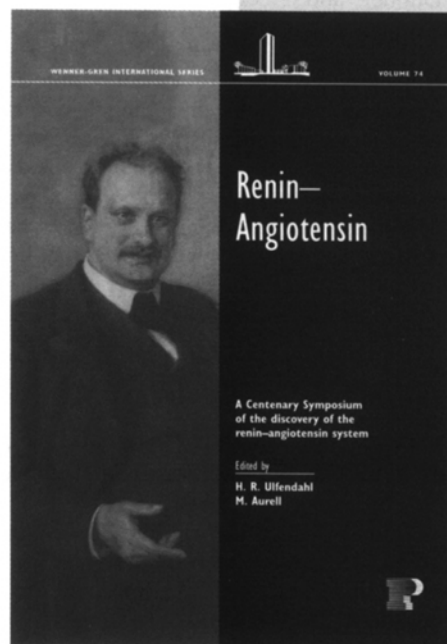
Specific topics covered include:

- Molecular bases
- Integrative aspects
- Renal physiology
- Juxtaglomerular apparatus and interstitium
- Cardiovascular system

### Readership:

This book should be essential reading for all clinical and research scientists working with and interested in the renin–angiotensin system, and specifically its role in hypertension and cardiovascular diseases.

ISBN: 1 85578 128 X Hardback 324 pages November 1998 Price: £75.00



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## Mitochondria and Cell Death

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

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 aging, is reviewed. Each chapter is by a different set of authors describing one aspect of the field.

**Series:** *Biochemical Society Annual Symposium*

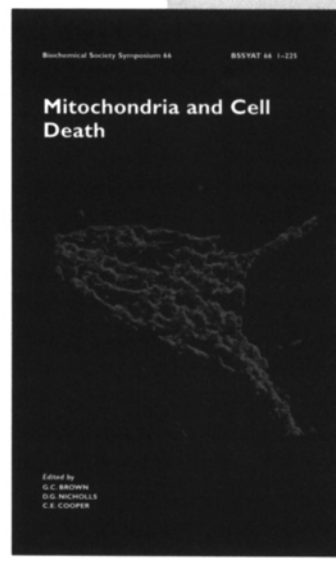
### Contents:

- Mitochondrial control of apoptosis: an overview, G Kroemer
- Nitric oxide, cytochrome *c* and mitochondria, GC Brown and V Borutaite
- Ceramide induces cytochrome *c* release from isolated mitochondria, C Richter and P Ghafourifar
- Bcl-2 and Ca<sup>2+</sup>-mediated mitochondrial dysfunction in neural cell death, AN Murphy and G Fiskum
- Mitochondria, NO and neurodegeneration, MF Beal
- Excitotoxicity and mitochondria, DG Nicholls *et al*
- Apoptosis and necrosis: different execution of the same death, P Nicotera *et al*
- The mitochondrial permeability transition: the brain's point of view, JM Dubinsky *et al*
- Mitochondrial dysfunction in Parkinson's disease, JT Greenamyre *et al*
- Secondary abnormalities of mitochondrial DNA associated with neurodegeneration, SJ Tabrizi and AHV Schapira
- Mutations of the mitochondrial genome: clinical overview and possible pathophysiology of cell damage, SM Rothman
- *In vivo* measurements of mitochondrial function and cell death following hypoxic/ischaemic damage to the new-born brain, CE Cooper
- Mitochondria in heart ischaemia and aging, RG Hansford *et al*
- Mitochondrial dysfunction in sepsis, M Singer and D Brealey
- The mitochondrial permeability transition pore, M Crompton *et al*
- The mitochondrial permeability transition: its molecular mechanism and role in reperfusion injury, AP Halestrap
- Confocal microscopy of the mitochondrial permeability transition in necrotic and apoptotic cell death, JJ Lemasters *et al*

### Readership:

Researchers and postgraduates throughout biology and medical science will want to read this book.

Hardback ISBN: 1 85578 125 5 240 pages August 1999 Price: £65.00



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