

BOOK REVIEWS

Advances in Growth Hormone and Growth Factor Research. Edited by E. E. MULLER, D. COCCHI and V. LOCATELLI. Published 1989 by Pythagora Press, Rome/Milan and Springer-Verlag, Berlin/Heidelberg. No. of pages: 480. ISBN: 3-540-19066-X (Springer-Verlag, Berlin); 0-387-19066-X (Springer-Verlag, Heidelberg). Price: \$84.40.

This book contains up-to-date information on important and new problems concerning the biological activity of different growth factors. The following main topics are covered:

- native and biosynthetic growth hormones;
- somatomedins;
- growth factors;
- neural regulation of growth hormone secretion;
- growth hormone deficiency states;
- round table—approach to therapy;
- growth hormone hypersecretory states.

This book would be of particular interest to neuroendocrinologists, basic, clinical, and pediatric endocrinologists, but would also be useful for people working in the fields of molecular biology, biophysics, biochemistry, physiology, as well as for advanced students.

Gene Regulation by Steroid Hormones—IV. Edited by A. K. ROY and J. H. CLARK. Published 1989 by Springer-Verlag, Berlin/Heidelberg/New York. No. of pages: 255. ISBN: 3-540-96999-3 (Berlin); 0-387-96999-3 (New York). Price (hardcover): DM 118.

This volume is one of a series containing the proceedings of the Meadowbrook Symposia and summarizes the Fourth Meadowbrook Symposium held in October 1988. New findings of steroid hormone action and related topics are included in the different chapters:

- towards a molecular understanding of steroid binding to glucocorticoid receptors;
- regulation of glucocorticoid receptor protein and gene expression by glucocorticoids;
- modulation of glucocorticoid-induced responses by cyclic AMP in lymphoid cell lines;
- differential regulation of tyrosine amino-transferase by glucocorticoids: transcriptional and post-transcriptional control;

- steroid response elements. Definition of a minimal promoter and interaction with other activating sequences;
- GHF-1, a tissue-specific transcription factor, is a homeobox protein;
- regulation of EGF receptors and nuclear protooncogenes by estrogen;
- regulation of the rat insulin II gene: *cis*- and *trans*-acting factors;
- thyroid hormone regulation of rat liver S14 gene expression;
- hormonal and developmental regulation of *Xenopus* egg protein genes;
- inhibition of the intracellular transformation of rat ventral prostate androgen receptor by 3'-deoxyadenosine;
- androgen action in rat liver: changes in androgen sensitivity during maturation and ageing;
- inhibition of cell proliferation by a nuclear type II ligand: methyl P-hydroxyphenylacetate;
- promoter specific activating domains on the chicken progesterone receptor.

This volume has been written by eminent world scientists and would be very useful for molecular biologists, biochemists, biologists, and advanced students.

Hormones and Sport. Serono Symposia, Vol. 55. Edited by Z. LARON and A. D. ROGOL. Published 1989 by Raven Press, New York. No. of pages: 336. ISBN: 0-88167-423-0. Retail price as of October 1989: \$87.50.

This book contains new aspects of the fascinating problem of hormone action and sport. The main topics covered are as follows:

- influence of intensive sport on physical growth;
- influence of intensive sport on puberty;
- metabolic and endocrine changes during exercise;
- glucose and insulin metabolism in intensive exercise;
- increasing body strength;
- possible long-term effects of sport.

This volume would be very useful for endocrinologists, general clinicians, physiologists and the vast population of those involved in sport.