

- Neuropeptide tyrosine (NPY) in human cardiovascular innervation;
- NPY in peripheral non-adrenergic neurons;
- NPY receptors and their interactions with other transmitter systems;
- Studies on the neurochemical mechanisms underlying the neuroendocrine actions of neuropeptide Y;
- Synthetic fragments and analogs of NPY are ligands at NPY receptors in the rat cerebral cortex;
- Y1 and Y2 receptors for NPY—the evolution of PP-fold peptides and their receptors;
- The inhibitory actions of NPY and galanin on [³H]norepinephrine release in the central nervous system: relation to a proposed hierarchy of neuronal coexistence;
- Neuropeptide Y in the modulation of autonomic nervous function;
- Roles of noradrenaline, adenosine 5'-triphosphate, and neuropeptide Y as possible sympathetic co-transmitters in some model tissues—new evidence and open questions;
- Tissue differences in the effects of neuropeptide Y, adenosine, and noradrenaline at the second messenger level;
- Neuropeptide tyrosine (NPY) and sympathetic cardiovascular control;
- On the role of NPY in central cardiovascular regulation;
- The role of neuropeptide Y (NPY) in control of anterior pituitary hormone release in the rat;
- Hypothalamic NPY: a local circuit in the control of reproduction and behavior;
- Neuropeptide Y in the hypothalamus;
- Neuropeptide Y modulates neurogenic mechanisms in the smooth musculature of the reproductive tract;
- Hypothalamic neuropeptide Y and galanin: functional studies of coexistence with neuroamines;
- NPY catecholamine interactions in the central nervous system;
- Neuropeptide Y and the circadian system;
- Effects of NPY on memory processing and ingestive behaviors;
- Alterations in neuropeptide Y in neurological disorders;
- Neuropeptide Y: biological and clinical studies;
- Neuropeptide Y—possible involvement in depression and anxiety.

This book is very useful for people working in molecular biology, endocrinology, biology of reproduction, physiology and for advanced students.

Andrology and Human Reproduction. Sero Symposia, Vol. 47. Edited by A. NEGRO-VILAR, A. ISIDORI, J. PAULSON, R. ABDELMASSIH and M. P. P. DE CASTRO. Published 1988 by Raven Press, New York. No. of pages: 357. ISBN: 0-88167-374-9. Price February 1989: US\$105.00.

The fields of andrology and human reproduction have experienced great and exciting advances in recent years. To cover in detail the most relevant topics dealing with reproductive functions in health and disease, the Pan American Congress of Andrology Organization and Ares-Serono Symposia jointly sponsored an *International Symposium on Andrology and Human Reproduction*, which took place in Sao Paulo, Brazil on 4–6 May 1987 and congregated many of the most renowned experts in the areas of andrology, endocrinology, fertility and sterility.

The book is divided into 7 sections covering the following topics:

- New techniques for assessment of conventional semen parameters; new parameters of semen analy-

sis; bioassays for male infertility; evaluation of the female gamete; comments to some basic problems in andrology;

- Artificial methods to induce pregnancies; results of super-ovulation gametes and embryos transfer; the role of IVF in male infertility;
- Intrauterine insemination by husband; new concepts in the physiology of LHRH and on its role in pulsatile gonadotropin secretion; pulsatile gonadotropin and sex steroid secretion in men; gonadotrophic control of human spermatogenesis; progesterone receptor blockade by RU-486: a model for progesterone receptor deficiency in infertile women; serum LH and alpha-subunit secretory pattern after surgical and chemical castration; some clinical applications of LHRH and its analogs for diagnosis and therapy;
- Local regulatory factors in the testis; local factors in reproduction, on the role of epididymal factors in sperm fertility; antibodies to sperm and infertility; the infertile couple: definitions and standards;
- The role of adrenergic and neuropeptidergic systems in the regulation of male sexual behavior; erectile dysfunction: what is the actual responsibility of the masked organic factors?; prosthetic treatment of erectile dysfunction;
- Hormonal treatment of male infertility; non hormonal medical treatment of male infertility; an endocrine approach for the treatment of the infertile woman; utilization of CO₂ laser for operative laparoscopy; human pre-embryos freezing technique;
- WHO's approach to the management of the infertile couple; unilateral testicular obstruction in subfertile males; treatment of organic male sexual dysfunction.

This book would be useful for andrologists, endocrinologists, clinicians, oncologists and those working in biology of human reproduction.

Multimodal Treatment of Ovarian Cancer. Monograph series of the European Organization for Research and Treatment of Cancer (EORTC), Vol. 20. Edited by P. F. CONTE, N. RAGNI, R. ROSSO and J. B. VERMORKEN. Published 1988 by Raven Press, New York. No. of pages: 351. ISBN: 0-88167-476-1. Price April 1989: US\$ 111.50.

Ovarian carcinoma is one of the most important causes of cancer death among gynaecological malignancies and in the last years considerable progress has been made in the improvement of the survival rate of patients with this disease. One of the reasons for this is early diagnosis, as well as more efficient treatment with new drugs.

This book contains up-to-date information and covers the following topics divided into 7 main sections:

- Tumor biology: critical analysis of prognostic factors of ovarian cancer; steroid hormone receptors in human ovarian tumors; tumor cell kinetics: a new prognostic factor in ovarian cancer; colony forming cell assays: clinical correlations;
- Diagnosis and staging: ovarian tumor antigens: targets for diagnosis, monitoring and therapy; radio-immunoscintigraphy in ovarian cancer; nuclear magnetic resonance in ovarian cancer; diagnosis and screening of ovarian malignant tumors: a possible role for the echotomography;
- Early ovarian cancer: cooperative randomized clinical trial for stage I ovarian carcinoma (OC); the European experience; management; multimodality treatment: the U.S. experience; ovarian tumours of borderline malignancy; limited surgery in non-epithelial and in epithelial OC;