

ANNOUNCEMENT

SECOND INTERNATIONAL SYMPOSIUM OF THE JOURNAL OF STEROID BIOCHEMISTRY

Recent Advances in Steroid Biochemistry

Paris 18-20 March 1974

The *Second International Symposium of the Journal of Steroid Biochemistry*, on the subject "Recent Advances in Steroid Biochemistry", was held in Paris on 18-20 March 1974. The texts of all papers presented, together with the accompanying discussion, will be published in *The Journal of Steroid Biochemistry* in a special issue in October 1974 and will contain the following papers:

RECENT DEVELOPMENTS IN METHODOLOGY

- Irving R. and Mainwaring W. I. P.: Partial purification of steroid-receptor complexes by DNA-cellulose chromatography and isoelectric focusing.
- Härkönen M., Adlercreutz H. and Groman E. V.: Enzymatic techniques in steroid assay.
- Siekmann L.: Mass fragmentography of steroid hormones.
- Axelson M. and Sjövall J.: Separation and computerized gas chromatography-mass spectrometry of unconjugated neutral steroids in plasma.
- Lindner H. R.: The design of antigenic steroid-protein conjugates.
- Cameron E. H. D., Scarisbrick J. J., Morris S. E., Hillier S. G. and Read G.: Some aspects of the use of ^{125}I -labelled ligands for steroid radioimmunoassay.
- Carstensen H., Amér I. and Södergård R.: Testosterone binding capacity in relation to the production and metabolism of testosterone in dogs, experiences of a new method.
- Dehennin L., Reiffsteck A. and Scholler R.: Simultaneous estimation of testosterone, progesterone and androstenedione by GC-MS with a single ion detection. Correlation with radioimmunoassay.

STEROIDOGENESIS. TROPHIC HORMONES

- Tait S. A. S., Tait J. F., Gould R. P., Brown B. L. and Albano J. D. M.: The preparation and use of purified and unpurified dispersed adrenal cells and a study of the relationship of their cAMP and steroid output.
- Birmingham M. K., Kraulis I., Traikov H., Bartova A., Li M. P., Chan T. H., Oliver J. T. and Possanza G.: Biological consequences of 18-hydroxylation.
- Müller J. and Baumann K.: Multifactorial regulation of the final steps of aldosterone biosynthesis in the rat.
- Vinson G. P. and Whitehouse B. J.: Some comparative studies in adrenocortical steroidogenesis: an interpretation of the functional homologies of the mammalian and non-mammalian adrenal cortex.

- Neher R. and Milani A.: New aspects of steroidogenesis in adrenals.
- Kan K. W. and Ungar F.: Stimulation factors for cholesterol-side chain cleavage in the corpus luteum and adrenal gland.
- Lehoux J.-G. and Forest J. C.: *In vitro* study on corticosterone cytochrome P-450 binding in relation to the regulation of corticosterone metabolism.
- Satyaswaroop P. G. and Gurpide E.: Superfusion of rat testes with mixtures of labeled testosterone and androstenedione.
- Vihko R. and Ruokonen A.: Regulation of steroidogenesis in testis.
- Ritzén E. M., Hagenäs L., Hansson V., French F. S. and Nayfeh S. N.: Androgen binding proteins in different testis compartments.
- Gustafsson J.-Å., Gustafsson S. A., Ingelman-Sundberg M., Pousette Å., Stenberg Å. and Wrangé Ö.: Sexual differentiation of hepatic steroid metabolism in the rat.
- Jacobs H. S.: Relation of structure and biological action of gonadotrophins.
- Dominguez O. V., Loza C. A., Morán L. Z. and Valencia A. S.: ACTH and sulfatase activity.
- Vollrath W., Rao G. S., Rao M. L. and Breuer H.: New results on oestrogen glucuronyltransferase.

STEROID HORMONES AND TARGET ORGAN RESPONSE

- Villee C. A.: Effects of estrogens on uterine poly (A)-rich RNA.
- Andress D., Borgna J.-L., Cazaubon C. and Mousseron-Canet M.: *In vitro* stimulation of nucleolar and nucleoplasmic RNA polymerases in calf uterus.
- Korenman S. G., Bhalla R. C., Stevens R. H., Wells L. S., Sanborn B. M. and Carpenter L. A.: Characteristics of the adenyl cyclase system of myometrium.
- Samperéz S., Thieulant M. L., Mercier L. and Jouan P.: A specific testosterone receptor in the cytosol of the rat anterior hypophysis.
- Kolpakov M. G., Shulga V. A., Mertvetsov N. P., Selyatitskaya V. G. and Salganik R. I.: Interaction of aldosterone and corticosterone with cell nuclei of target organs under different functional states.
- Saez J. M., Morera A. M., Dazard A. and Bataille P.: Interactions of ACTH with its adrenal receptors: specific binding of ACTH₁₋₂₄, its *o*-nitrophenyl sulfenyl derivative and ACTH₁₁₋₂₄.
- Rousseau G. G., Higgins S. J., Baxter J. D. and Tomkins G. M.: Nuclear acceptor sites for glucocorticoid receptors.

MECHANISM OF ACTION OF STEROID HORMONES

- Martini L.: Steroid metabolism in the brain and in the anterior pituitary: a necessary step for activity?
- Grant J. K. and Giorgi E. P.: Investigations of androgen-prostatic tissue relationships in superfusion experiments using steroid concentrations approaching those found *in vivo*.
- Mulder E., van Beurden-Lamers W. M. O., Brinkmann A. O., Mechielsen M. J. and van der Molen H. J.: High affinity binding of oestradiol by rat testis interstitial tissue and by several other tissues of the male rat.
- Breuer H. and Köster G.: Interaction between oestrogens and neurotransmitters at the hypophysial-hypothalamic level.
- Sandberg A. A. and Rosenthal H. E.: Estrogen receptors in the pancreas.
- Pasqualini J. R., Sumida C. and Gelly C.: Steroid hormone receptors in the foetal kidney.
- Jensen E. V., Liao S., Mohla S., Gorell T. A. and de Sombre E. R.: Hormone-induced transformation of receptor proteins.
- Schrader W. T., Buller R. E., Kuhn R. W. and O'Malley B. W.: Molecular mechanisms of steroid hormone action.
- Crabbé J.: Influence of ouabain on sodium transport by aldosterone-stimulated amphibian epithelia.

We are happy to inform the readers of the *Journal of Steroid Biochemistry* that the ABSTRACTS and the PROCEEDINGS OF THE FOURTH INTERNATIONAL CONGRESS ON HORMONAL STEROIDS to be held in Mexico from 2-7 September 1974 will be published in the *Journal of Steroid Biochemistry*. The Abstracts will be a special number of the Journal which will appear in the August 1974 issue. The Proceedings will also be a special issue and will appear in the beginning of 1975.