

## ANNOUNCEMENTS

### FIRST INTERNATIONAL SYMPOSIUM OF THE JOURNAL OF STEROID BIOCHEMISTRY

#### THE INTERACTION OF STEROIDS WITH MACROMOLECULES

Paris 13th-15th September, 1971

The First International Symposium of the Journal of Steroid Biochemistry, on the subject "The Interaction of Steroids with Macromolecules," was held in Paris on 13th-15th September 1971. The texts of all papers presented, together with the accompanying discussion, will be published in Vol. 3, No. 3 of the Journal of Steroid Biochemistry in March 1972. The following papers will be contained in this issue:

#### **Radioimmunoassay and Competitive Binding Assay of Steroids**

**Rodbard D. and Catt K. J.:** Mathematical theory of radioligand assays: the kinetics of separation of bound from free.

**Kellie A. E., Samuel V. K., Riley W. J. and Robertson D. M.:** Steroid glucuronoside - BSA complexes as antigens: the radioimmunoassay of steroid conjugates.

**Ekins R. P., Newman G. B., Piyasena R., Banks P. and Slater J. D. H.:** The radioimmunoassay of aldosterone in serum and urine: theoretical and practical aspects.

**Scholler R., Castanier M. and Grenier J.:** A direct radioimmunoassay for estrone and estradiol-17 $\beta$  in urine.

**Van Baelen H. and DeMoor P.:** Steroid-protein interaction as studied by isoelectric focusing.

**Benraad Th. J., de Jong F. H., van der Molen H. J. and Smals A. G. H.:** Comparison and evaluation of a competitive protein binding and a gaschromatographic method for the assay of testosterone in peripheral human plasma.

**Collins W. P., Mansfield M. D., Alladina N. S. and Sommerville I. F.:** Radioimmunoassay of plasma testosterone.

**Pizarro M. A. and Kolanowski J.:** Problems arising from blanks in protein-binding analysis.

**Riley W. J., Smith E. R. and Kellie A. E.:** The formation of steroid-BSA antigens via a C-6 carboxymethyl substituent.

#### **Receptors and Mechanism of Action of Androgens - I**

**Aakvaag A., Tvetter K. J., Unhjem O. and Attramadal A.:** Receptors and binding of androgens in the prostate.

**Massa R., Stupnicka E., Kniewald Z. and Martini L.:** The transformation of testosterone into dihydrotestosterone by the brain and the anterior pituitary.

**Liao S., Liang T. and Tymoczko J. L.:** Structural recognitions in the interactions

of androgens and receptor proteins and in their association with nuclear acceptor components.

**Lea O. A. and Støa K. F.:** The binding of testosterone to different serum proteins: a comparative study.

**Vermeulen A. and Verdonck L.:** Some studies on the biological significance of free testosterone.

**Hansson V., Tveter K. J., Unhjem O. and Djöseland O.:** Studies on the interaction between androgen and macromolecules in accessory sex organs of rat and man.

### **Receptors and Mechanism of Action of Oestrogens and Androgens – II**

**Jensen E. V.:** Estrophile to nucleophile in two easy steps.

**Siitleri P. K., Ashby R. and MacDonald P. C.:** Mechanism of oestrogen action studies in the human.

**Grant J. K. and Giorgi E. P.:** A dynamic study of androgen binding to macromolecules in the human prostate.

**Fazekas A. G. and Sandor T.:** Metabolism of androgens by isolated human hair follicles.

**Oertel G. W. and Benes P.:** The effects of steroids on glucose-6-phosphate dehydrogenase.

**Exley D.:** Specificities of antibodies to oestrogens.

**Tuohimaa P. J., Segal S. J. and Koide S. S.:** Study in uterine ribonucleic acid with estrogenic activity.

**Toft D. O.:** The interaction of uterine estrogen receptors with DNA.

### **Receptors and Mechanism of Action of Corticosteroids**

**Rosner W.:** Recent studies on the binding of cortisol in serum.

**Pasqualini J. R., Sumida C. and Gelly C.:** Mineralocorticosteroid receptors in the foetal compartment.

**Crabbé J.:** Mechanism of action of aldosterone.

**Munck A., Wira C., Young D. A., Mosher K. M., Hallahan C. and Bell P. A.:** Glucocorticoid-receptor complexes and the earliest steps in the actions of glucocorticoids on thymus cells.

**Holzbauer M.:** The association of steroids with blood cells *in vivo*.

**De Moor P., Heyns W. and Bouillon R.:** Growth hormone and the steroid binding  $\beta$ -globulin of human plasma.

### **Receptors and Mechanism of Action of Progesterone**

**Brinkmann A. O., Mulder E. and van der Molen H. J.:** Model studies with erythrocytes on the initial steps of cellular uptake and binding of steroids.

**O'Malley B. W.:** Interaction of Steroid receptor proteins and their sub-units with the target cell genome.

**Haukkamaa M., Wichmann K. and Luukkainen T.:** Effect of phospholipids on the subcellular distribution of progesterone in pregnant rat myometrium and on protein binding of progesterone.

The effect of phospholipids on the protein binding of progesterone by human plasma and pregnant rat myometrium.

**Haukkamaa M., Karjalainen O. and Luukkainen T.:** *In vitro* binding of progester-

one by human endometrium during the menstrual cycle and by hyperplastic, atrophic and carcinomatous endometrium.

**Stansfield D. A., Franks D. J., Wilkinson G. H. and Horne J. R.:** Studies in the formation and degradation of adenosine 3'5'-cyclic monophosphate in corpus luteum.

## ALDOSTERONE AND EPITHELIAL ACTIVE SODIUM TRANSPORT

Basel 23rd–24th July, 1971

A Symposium on "Aldosterone and Epithelial Active Sodium Transport" was held in Basel on 23rd–24th July 1971. The texts of all papers presented, together with the accompanying discussion, will be published in Vol. 3, No. 2 of the Journal of Steroid Biochemistry in February 1972. The following papers will be contained in this issue:

**Larsen E. H.:** Characteristics of aldosterone stimulated transport in isolated skin of the toad, *Bufo bufo* (L.).

**Nielsen R.:** The effect of polyene antibiotics on the aldosterone induced changes in the sodium transport across the isolated frog skin.

**Snart R.:** The two stage nature of the aldosterone response.

**Handler J. S.:** Effect of aldosterone on the sodium content and energy metabolism of epithelial cells of the toad urinary bladder.

**Edmonds C. J.:** Effect of aldosterone on mammalian intestine.

**Wiederholt M.:** Effect of aldosterone on sodium and potassium transport in the kidney.

**Voûte C. L.:** Aldosterone induced morphological changes in amphibian epithelia *in vivo*.

**Edelman I. S.:** The initiation mechanism in the action of aldosterone on sodium transport.

**Kirsten R. K.:** A study on the effect of aldosterone on the extramitochondrial adenine nucleotide system in rat kidney.

**Jørgensen P. L.:** The role of aldosterone in the regulation of the (Na<sup>+</sup> + K<sup>+</sup>)-ATPase in rat kidney.

**Ludens J. H.:** Studies on affinity chromatography of aldosterone-binding macromolecules.

**Porter G. A.:** The effect of a new anti-aldosterone agent SC 19886 on aldosterone stimulated transepithelial sodium transport.

**Funder J. W.:** Specific aldosterone binding in rat kidney and parotid.

**Rousseau G.:** Glucocorticoid and mineralocorticoid receptors for aldosterone.

**Crabbé J.:** Hormonal influences on transepithelial sodium transport: aldosterone versus insulin.

**Leaf A.:** The site of the aldosterone-induced stimulation of sodium transport.

**Leaf A.:** Concluding remarks.