

## FORTHCOMING PAPERS IN THE JOURNAL OF STEROID BIOCHEMISTRY

Vol. 36, No. 6

MARY F. RUH, JANE W. TURNER, CHRISTINE M. PAULSON and THOMAS S. RUH: Differences in the form of the salt-transformed estrogen receptor when bound by estrogen versus antiestrogen

TAKARA YAMAMOTO, MASAAKI FUKUOKA, YASUKO FUJIMOTO, JO KITAWAKI, MASAMICHI NAKAKOSHI, MAKOTO YOSHIMA and HIROJI OKADA: Inhibitory effect of a new androstanedione derivative; 14 $\alpha$ -hydroxy-4-androstene-3,6,17-trione (14 $\alpha$ -OHAT) on aromatase activity of human uterine tumors

A. MAGINI, M. PAZZAGLI, R. SALERNO, M. SIMONIS, G. MUSTACCHI and M. SERIO: Ovarian function in premenopausal women affected by breast cancer: the measurement of glucuronon conjugate metabolites of 17 $\beta$ -estradiol and progesterone throughout one entire menstrual cycle

C. J. M. ARTS, J. W. G. M. WILMER, A. T. H. J. DE BIE and H. VAN DEN BERG: *In vitro* synthesis of 16 $\alpha$ -hydroxyestrone by female rat liver microsomes: its possible role in the etiology of breast cancer

PUI-KAI LI and ROBERT W. BRUEGGEMEIER: 7-Substituted 1,4,6-androstatriene-3,17-diones as enzyme-activated irreversible inhibitors of aromatase

FERNANDO LARREA, ROSA MARIA OLIArt, JULIO GRANADOS, OSVALDO MUTHINICK, VICENTE DIAZ-SANCHEZ and NEAL A. MUSTO: Genetic polymorphism of the human sex hormone-binding globulin: evidence of an isoelectric focusing variant with normal androgen-binding affinities

KATHRYN E. CARLSON and JOHN A. KATZENELLENBOGEN: A comparative study of the selectivity and efficiency of target tissue uptake of five tritium-labeled androgens in the rat

RICHARD A. GALBRAITH and PETER H. JELLINCK: Selective inhibition of cytochrome P450 in rat testicular microsomes: effect of cobalt-protoporphyrin on progesterone metabolism

MICHAEL MURRAY and BRIAN P. HORSFIELD: 17 $\beta$ -Hydroxysteroid oxidoreductase activity: age-dependent profile in rat liver and kinetic properties of the hepatic microsomal enzyme in relation to cytochrome P450-dependent steroid hydroxylation

MARIE-LAURE KOTTLER, MAURICETTE DOMINGO, JOEL TARDIVEL-LACOMBE, MONIQUE EGLOFF, CAN D. DANG and HERVE DEGREILLE: Regulation of plasma corticosteroid-binding globulin in adult cynomolgus monkey (*Macaca fascicularis*) during different reproductive states

MARIE T. PHAM-HUU-TRUNG and MICHEL BINOUX: Insulin-like growth factor I (IGF I) induces cortisol production in bovine adrenocortical cells in primary culture

PATRICIA PROVENCHER, ANN LORRAIN, ALAIN BELANGER and JEAN FIET: Steroid biosynthesis by zona glomerulosa-fasciculata cells in primary culture of guinea-pig adrenals

PHILIPPE BOUDOU, JEAN FIET, PATRICK VEXIAU, JEAN-MARIE VILLETTÉ, NOAH HARDY and CLAUDE DREUX: Greater conversion of testosterone to 5 $\alpha$ -dihydrotestosterone, reflecting increased peripheral 5 $\alpha$ -reductase activity in nude mice treated with high doses of cyclosporine A

ARTO K. ORPANA, MAURI M. ORAVA, REJO K. VIJKO, MATTI HÄRKÖNEN and C. J. PETER ERIKSSON: Ethanol-induced inhibition of testosterone biosynthesis in rat Leydig cells: central role of mitochondrial NADH redox state

A. N. SMIRNOV: Estrophilic 3 $\alpha$ ,3 $\beta$ ,17 $\beta$ ,20 $\alpha$ -hydroxysteroid dehydrogenase from rabbit liver—I. Isolation and purification

A. N. SMIRNOV: Estrophilic 3 $\alpha$ ,3 $\beta$ ,17 $\beta$ ,20 $\alpha$ -hydroxysteroid dehydrogenase from rabbit liver—II. Mechanisms of enzyme-steroid interaction

MAGNUS AXELSON and JAN SJOVALL: Potential bile acid precursors in plasma—possible indicators of biosynthetic pathways to cholic and chenodeoxycholic acids in man

JANET BROTHERTON and BIRGIT ROTHBART: Serum cortisol in adrenal hirsutism as estimated by five different methods

MORRIS KAUFMAN, LEONARD PINSKY, BRUCE GOTTLIEB and MARK TRIFIRO: The state transitions of normal and mutant androgen-receptor complexes in human genital skin fibroblasts

R. CRAIG KAMMERER, JAMES L. MERDINK, MARK JAGELS, DON H. CATLIN and KA KIT HUI: Testing for fluoxymesterone (Halotestin®) administration to man: identification of urinary metabolites by gas chromatography-mass spectrometry

YOTSUO HIGASHI, KEN-ICHIRO YOSHIDA and HIROYUKI OSHIMA: *In vitro* inhibition by ketoconazole of human testicular steroid oxidoreductase

O. MAENTAUSTA, H. PEL TOKETO, V. ISOMAA, P. JOUPPILA and R. VIHKO: Immunological measurement of human 17 $\beta$ -hydroxy-steroid dehydrogenase

B. DOUGLAS WHITE and ROY J. MARTIN: Alterations in the binding characteristics of glucocorticoid receptors from obese Zucker rats

H. W. ALILA, J. S. DAVIS, J. P. DOWD, R. A. CORRADINO and W. HANSEL: Differential effects of calcium on progesterone production in small and large bovine luteal cells

*Short Communication*

P. S. CAMPBELL and K. A. SWANSON: Preferential nuclear binding of estrogen in the formalin-fixed rat uterus