

SUBJECT INDEX

Androgen receptor mRNA

the expression of, is regulated by tri-iodothyronine in lizard testis, 133

AP1

down-regulation of, after polarization of *vas deferens* epithelial cells correlates with androgen-induced gene expression, 103

Apoptotic response

identification of human estrogen-inducible transcripts that potentially mediate the, in breast cancer, 89

Aromatase

comparison of estrogen concentrations, estrone sulfatase and, activities in normal and in cancerous human breast tissues, 23

Bile acid(s)

effect of ispaghula husk on the faecal output of, in healthy volunteers, 283

Breast cancer

a novel HPLC-RIA method for the simultaneous detection of estrone, estradiol and estrone sulphate levels in, tissue, 259

comparison of estrogen concentrations, estrone sulfatase and aromatase activities in normal and in human, tissues, 23

identification of human estrogen-inducible transcripts that potentially mediate the apoptotic response, in, 89

Breast cancer cells

identification of twenty alternatively spliced estrogen receptor alpha mRNAs in, lines and tumors using splice targeted primer approach, 249

Catechol estrogens

extraction of, in smoking and non-smoking postmenopausal women receiving estrogen replacement therapy, 143

Cholesterol oxidase

sources, physical properties and analytical applications of, 169

Corticosterone

chronic administration of, impairs LH signal transduction and steroidogenesis in rat Leydig cells, 155

Creatine kinase B

non-hypercalcemic analogs of $1\alpha,25$ dihydroxy vitamin D augment the induction of, in osteoblast-like cells and rat skeletal organs, 79

Dehydroepiandrosterone sulfotransferase

expression and activity of, in human gastric mucosa, 149

21-Deoxycortisol

comparison of a time-resolved fluoroimmunoassay using a biotinylated tracer in plasma, 55

$1\alpha,25$ dihydroxy vitamin D₃

non-hypercalcemic analogs of, augment the induction of creatine kinase B in osteoblast-like cells and rat skeletal organs, 79

the 3-epi and 24-oxo-derivatives of, stimulate transcription through the vitamin D receptor, 29

Estradiol

a novel HPLC-RIA method for the simultaneous detection of estrone, estradiol and estrone sulphate levels in, tissue, 259

Estriol

atheroprotective effect of, on human vascular smooth muscle cells, 71

Estrogen

non-hypercalcemic analogs of $1\alpha,25$ dihydroxy vitamin D augment the induction of, in osteoblast-like cells and rat skeletal organs, 79

receptor(s)

- α : identification in breast cancer cell lines and tumors using splice targeted primer approach, 249

control of, ligand binding by Hsp90, 223

expression of, in human Ishikawa endometrial cancer cells, 197

hamster, cDNA: cloning and mRNA expression, 47

Estrogen replacement therapy (ERT)

excretion of catechol estrogens in smoking and non-smoking postmenopausal women receiving, 143

Estrone

a novel HPLC-RIA method for the simultaneous detection of estrone, estradiol and estrone sulphate levels in, tissue, 259

Estrone sulfate

a novel HPLC-RIA method for the simultaneous detection of estrone, estradiol and estrone sulphate levels in, tissue, 259

atheroprotective effect of, on human vascular smooth muscle cells, 71

Gene expression

down-regulation of, after polarization of *vas deferens* epithelial cells correlates with androgen-induced gene expression, 103

Glucocorticoid(s)

receptor(s)

alteration of the, subcellular localization by non steroidal compounds, 1

impaired transactivation of the, cloned from the Guyanese Squirrel monkey, 115

partial purification and biochemical characterization of a membrane, from an amphibian brain, 209

Gonadotropin

effect of prenatal melatonin on the, response to the feedback effect of testosterone in male offspring, 61

HPLC-RIA

a novel, method for the simultaneous detection of estrone, estradiol and estrone sulphate levels in breast cancer tissue, 259

Hsp90

control of estrogen receptor ligand binding by, 223

expression of, in human Ishikawa endometrial cancer cells, 197

 11β -Hydroxysteroid dehydrogenase

cloning and expression of the bovine, type-2, 231

insulin attenuates the stimulatory effects of tumor necrosis factor α on, -1 in human adipose stromal cells, 163

progesterin regulation of, expression in T-47D human breast cancer cells, 239

Insulin

the stimulatory effects of tumor necrosis factor α on 11β -hydroxysteroid dehydrogenase-1 in human adipose stromal cells, are attenuated by, 163

Ishikawa endometrial cancer cells

estrogen and aryl hydrocarbon receptor expression and crosstalk in, 197

Leydig cells

chronic administration of, impairs LH signal transduction and steroidogenesis in rat Leydig cells, 155

LY320236

kinetic analysis of, 13

Melatonin

effect of prenatal melatonin on the gonadotropin response to the feedback effect of, in male offspring, 61

mRNA

hamster, cDNA: cloning and mRNA expression, 47

identification of twenty alternatively spliced estrogen receptor alpha mRNAs in, lines and tumors using splice targeted primer approach, 249

the expression of androgen receptor, is regulated by tri-iodothyronine in lizard testis, 133

Osteoblast-like cells

non-hypercalcemic analogs of $1\alpha,25$ dihydroxy vitamin D augment the induction of, in osteoblast-like cells and rat skeletal organs, 79

Phytoestrogen(s)

rapid analysis of, in human urine by time-resolved fluoroimmunoassay, 273

Progestin(s)

regulation by, of 11β -hydroxysteroid dehydrogenase expression in T-47D human breast cancer cells, 239

Prolactin

effect of prenatal melatonin on the gonadotropin and, response to the feedback effect of testosterone in male offspring, 61

Receptor(s)**androgen(s)**

the expression of, mRNA is regulated by tri-iodothyronine in lizard testis, 133

estrogen

control of, ligand binding by Hsp90, 223

expression of, in human Ishikawa endometrial cancer cells, 197

hamster, cDNA: cloning and mRNA expression, 47

identification of twenty alternatively spliced, alpha mRNAs in breast cancer cell lines and tumors using splice targeted primer approach, 249

glucocorticoid(s)

alteration of the, subcellular localization by non steroidal compounds, 1

impaired transactivation of the, cloned from the Guyanese Squirrel monkey, 115

partial purification and biochemical characterization of a membrane, from an amphibian brain, 209

steroid hormone(s)

differential interaction of, with LXXLL motifs in SRC1 depends on residues flanking the motif, 35

vitamin D

interactions of, with positive and negative DNA response elements: an interference footprint comparison, 125

the 3-epi and 24-oxo-derivatives of, stimulate transcription through the vitamin D receptor, 29

5 α -Reductase

kinetic analysis of LY320236: competitive inhibitor of type I and non-competitive inhibitor of type II human steroid, 13

SERMs (Selective estrogen receptor modulators)

non-hypercalcemic analogs of $1\alpha,25$ dihydroxy vitamin D augment the induction of creatine kinase B by, in osteoblast-like cells and rat skeletal organs, 79

Steroid hormone(s)**receptor(s)**

differential interaction of, with LXXLL motifs in SRC1a depends on residues flanking the motif, 35

Sulfatase

comparison of estrogen concentrations, estrone sulfatase and, activities in normal and in cancerous human breast tissues, 23

Sulfotransferase

expression and activity of, in human gastric mucosa, 149

- T-47D human breast cancer cells
 progesterone regulation of 11 β -hydroxysteroid dehydrogenase expression in, 239
- Testosterone
 effect of prenatal melatonin on the gonadotropin response to the feedback effect of, in male offspring, 61
- Tri-iodothyronine
 the expression of androgen receptor mRNA is regulated by, in lizard testis, 133
- Tumor necrosis factor α
 insulin attenuates the stimulatory effects of, on 11 β -hydroxysteroid dehydrogenase-1 in human adipose stromal cells, 163
- Ursodeoxycholic acid 3-sulfates
 a monoclonal antibody-based enzyme-linked immunosorbent assay of, in human urine, 265
- Vitamin D
 receptor
 interactions of, with positive and negative DNA response elements: an interference footprint comparison, 125

We would like to express our deep thanks to the following persons for their kind collaboration in reviewing papers for this volume of **The Journal of Steroid Biochemistry & Molecular Biology**:

BAIN D. L., Denver, U.S.A.; **COLSTON K. W.**, London, ENGLAND, U.K.; **COS S.**, ITALY; **HAYNES B. P.**, London, ENGLAND, U.K.; **HENRY H. L.**, Riverside, U.S.A.; **LUU-THE V.**, Quebec, CANADA; **NNANE Y.**, Baltimore, U.S.A.; **PACKARD C. J.**, Glasgow, SCOTLAND, U.K.; **REED M. J.**, London, ENGLAND, U.K.; **SCHUSTER I.**, Vienna, AUSTRIA; **SIMONI M.**, ITALY; **YUDT M. R.**, Research Triangle Park, U.S.A.