

CONTENTS

MINIREVIEW: Molecular Aspects of Steroid Hormone Action in the Male Reproductive Axis / M. A. Shupnik, D. A. Schreihofner	341
MINIREVIEW: Neurological Testing in Erectile Dysfunction / W. L. Diemont, E. J. H. Meuleman	345
BOOK REVIEW / C. Niederberger	351
Pharmacokinetics of 7α-Methyl-19-nortestosterone in Men and Cynomolgus Monkeys / N. Kumar, J. Suvisaari, Y-Y. Tsong, C. Aguilleaume, C. W. Bardin, P. Lähteenmaki, K. Sundaram	352
In the Male Brown-Norway (BN) Male Rat, Reproductive Aging Is Associated With Decreased LH-Pulse Amplitude and Area / J. J. Bonavera, R. S. Swerdloff, A. Leung, Y. H. Lue, S. Baravarian, L. Superlano, A. P. Sinha-Hikim, C. Wang	359
Comparison Between Testosterone Enanthate-Induced Azoospermia and Oligozoospermia in a Male Contraceptive Study. V. Localization of Higher 5α-Reductase Activity to the Reproductive Tract in Oligozoospermic Men Administered Supraphysiological Doses of Testosterone / R. A. Anderson, R. W. Kelly, F. C. W. Wu	366
Differential Methylation in Steroid 5α-Reductase Isozyme Genes in Epididymis, Testis, and Liver of the Adult Rat / E. M. Reyes, I. Camacho-Arroyo, G. Nava, M. A. Cerbón	372
Estrogen Receptors Are Present in the Epididymis of the Rooster / S. Kwon, R. A. Hess, D. Bunick, J. D. Kirby, J. M. Bahr	378
Localization and Effects of Calcitonin Gene-Related Peptide in the Testicular Vasculature of the Rat / E. Lissbrant, O. Collin, A. Bergh	385
Development and Characterization of a Prepubertal Rat Sertoli Cell Line, 93RS2 / C. Jiang, S. J. Hall, K. Boekelheide	393
Low Density Lipoprotein Receptor-Related Protein-1 Expression in the Testis: Regulated Expression in Sertoli Cells / S. A. Igdoura, W. S. Argraves, C. R. Morales	400
HCG Binding to the Testicular LH Receptor Is Similar in Fertile, Subfertile, and Infertile Stallions / D. D. Motton, J. F. Roser	411
The Effects of Gonadotropin-Releasing Hormone Immunization and Recombinant Follicle-Stimulating Hormone on the Leydig Cell and Macrophage Populations of the Adult Rat Testis / R. J. Duckett, M. P. Hedger, R. I. McLachlan, N. G. Wreford	417
Is Leydig Cell Steroidogenic Function Affected by the Germ Cell Content of the Seminiferous Tubules? / R. L. Sprando, B. R. Zirkin	424

Antifertility Potential of Ornidazole Analogues in Rats / T. G. Cooper, C-H. Yeung, R. Skupin, G. Haufe	431
The Effect of Follicle-Stimulating Hormone Therapy on Sperm Quality: An Ultrastructural Mathematical Evaluation / E. Strehler, K. Sterzik, M. De Santo, M. Abt, R. Wiedemann, U. Bellati, G. Collodel, P. Piomboni, B. Baccetti	439
Successful Treatment of Severe Oligozoospermia With Sperm Washing and Intrauterine Insemination / G. M. Centola	448
The Impact of Reactive Oxygen Species on Bovine Sperm Fertilizing Ability and Oocyte Maturation / P. Blondin, K. Coenen, M-A. Sirard	454
Premature Capacitation of Bovine Spermatozoa Is Initiated by Cryopreservation / N. Cormier, M-A. Sirard, J. L. Bailey	461
American Society of Andrology (ASA) News	
Future ASA Annual Meetings	469
Handbook of Andrology	470
Announcements	471
10 th European Testis Workshop	472
XXIV Annual Meeting of IETS . . .	473
Call for Abstracts	474

Cover: The regulation of gene expression by steroids occurs through hormone binding and dimerization of specific receptors such as androgen (AR) and estrogen (ER) receptors. Hormone bound dimers interact with DNA through specific hormone response elements (RE's) upstream of regulated genes and act to alter transcription. Androgen receptors can bind testosterone or its 5- α reduced form dihydrotestosterone, but testosterone can also have effects on estrogen-regulated genes through conversion of testosterone to estrogen by aromatase. (See Mini-review by Shupnik, et al.)

ATTENTION

Check out the World Wide Web Home Page for the ASA:

<http://godot.urol.uic.edu/~androlog>

Contents include: Society officers and Council members, committees, past Presidents, the ASA Constitution and By-Laws, past and future meetings, information about the Journal of Andrology, the ASA Newsletter, Androlog—the andrology user's group, links to other societies dealing with reproduction, and links to our members.

SPECIAL ANNOUNCEMENT

Editorial Office Relocation

As of July 1, 1997, the Editorial Office of the *JOURNAL OF ANDROLOGY* will be located at the University of Minnesota, Minneapolis, Minnesota. All manuscripts and correspondence should be sent to:

Journal of Andrology
4-144 Jackson Hall
321 Church Street, S.E.
Minneapolis, Minnesota 55455

Office hours: 7:45 AM–4:30 PM (CST)
Tel: 612-625-1488
Fax: 612-625-1163
E-mail: andrology@med.umn.edu