

# AMERICAN SOCIETY OF ANDROLOGY (ASA) NEWS

## FUTURE ANNUAL MEETINGS OF THE AMERICAN SOCIETY OF ANDROLOGY

**April 11–13, 1999**

**Louisville, Kentucky, USA**

24th Annual Meeting of the American Society of Andrology and Postgraduate Course

Contact: ASA Executive Offices  
74 New Montgomery, Ste. 230, San Francisco, California 94105  
Phone: (415) 764-4823; fax: (415) 764-4915;  
e-mail: 105037.1120@compuserve.com

*Postgraduate Course: April 10*

*Andrology Laboratory Workshop: April 13*

*Testis Workshop: April 7–10*

Contact: Leslie Nies, Serono Symposia USA  
100 Longwater Circle, Norwell, Massachusetts 02061  
Phone: (800) 283-8088; fax: (617) 982-9481

**2000**

**Boston, Massachusetts, USA**

25th Annual Meeting of the American Society of Andrology and Postgraduate Course

**2001**

**Montreal, Quebec, Canada**

VII International Congress of the International Society of Andrology, hosted by the  
American Society of Andrology, and the 26th Annual Meeting of  
the American Society of Andrology

**2002**

**Seattle, Washington, USA**

27th Annual Meeting of the American Society of Andrology and Postgraduate Course

**2003**

**New York, New York, USA**

28th Annual Meeting of the American Society of Andrology and Postgraduate Course

### Corporate Sponsorship

#### **Gold Club**

*A minimum \$10,000 contribution to an ASA endowment fund.*

Buckeye Urology and Andrology, Inc.

#### **Silver Club**

*A minimum \$5,000 contribution to an ASA endowment fund.*

West Michigan Reproductive Institute, P.C.

#### **Sustaining Sponsor**

*A minimum of \$500 contribution to ASA for five or more years.*

Genetics & IVF Institute  
Hamilton Thorne Research  
Pharmacia & Upjohn  
Serono Laboratories, Inc.  
Texas Institute for Reproductive Medicine  
and Endocrinology, P.A.

#### **1998 Supporters**

*A contribution of any size to support the 1998 Annual Meeting & Postgraduate Course.*

ALZA Pharmaceuticals  
American Urological Association  
California Cryobank, Inc.  
Merck & Co., Inc.  
Pfizer, Pharmaceuticals Group  
Serono Laboratories, Inc.  
SmithKline Beecham Pharmaceuticals  
TAP Pharmaceuticals, Inc.  
TheraTech, Inc.

# HANDBOOK OF ANDROLOGY



The American Society of Andrology

## Contemporary, significant education in the male reproductive system

**Guest Editors:**

**Bernard Robaire, Ph.D.,**

**Jon L. Pryor, M.D., and**

**Jacquetta M. Trasler, M.D., Ph.D.**

The American Society of Andrology proudly makes available the Handbook of Andrology for purchase. This 83-page softbound handbook presents in a very clear fashion the basic science and clinical aspects of the male reproductive system. This handbook is recommended for students to senior faculty members and basic scientists to clinicians who want a tour of the andrological system. The editors have carefully selected world-renowned faculty who have written short chapters in an easy to read style and with vivid illustrations to make this handbook a pleasure to read.

**Contributors:** Nancy Alexander, Ph.D.; Rupert Amann, Ph.D.; Andrzej Bartke, Ph.D.; Gabriel Bialy, Ph.D.; Marc Blackman, M.D.; Runa Brinkmann, M.D.; Terry Brown, Ph.D.; Reginald Bruskewitz, M.D.; Yves Clermont, Ph.D.; Donald Coffey, Ph.D.; Richard Fayrer-Hosken, BVS, Ph.D.; Michael Griswold, Ph.D.; Barbara Hales, Ph.D.; S. Mitchell Harman, M.D., Ph.D.; Louis Hermo, Ph.D.; Barry Hinton, Ph.D.; Morten Jonler, M.D.; David Katz, Ph.D.; Ronald Lewis, M.D.; Claude Midgeon, M.D.; Diana Myles, Ph.D.; Claude Nagamine, Ph.D.; Joseph Oesterling, M.D.; Jon Pryor, M.D.; Bernard Robaire, Ph.D.; Kenneth Roberts, Ph.D.; Susan Rothmann, Ph.D.; Peter Schlegel, M.D.; Richard Sherins, M.D.; Donald Tindall, Ph.D.; Philip Troen, M.D.; Christina Wang, M.D.; and Barry Zirkin, Ph.D.

### **Selected Topics Include:**

Reproductive anatomy

Hypothalamo-pituitary-testicular axis

Hormone receptors and signal transduction

Anatomy and physiology of the prostate

Clinical evaluation and treatment of the infertile male

Fertility assessment in domestic animals

Evaluation and treatment of erectile dysfunction

Physiology of the epididymis

Androgen insensitivity

Andropause

Sperm banking

BPH

Prostate Cancer

Gonadotoxins

**To Order:** This handbook can be received free for joining the American Society of Andrology or it can be purchased for \$10.00 payable in U.S. funds drawn from a U.S. bank (includes shipping). Send requests for membership or check or money order to Sarah Morisseau, Administrative Manager, American Society of Andrology, 74 New Montgomery, Suite 230; San Francisco, CA 94105.

## **8<sup>th</sup> INTERNATIONAL SYMPOSIUM ON SPERMATOLOGY Montréal, Canada, August 17–22, 1998**

The next International Symposium on Spermatology (the 8<sup>th</sup> of the series) will be held in Montréal, Canada, August 17–22, 1998. Various aspects of spermatology, from marine to mammalian species (including human) will be discussed by world leading experts. Topics to be addressed range from spermatogenesis, sperm structure, function, and phylogeny to applied spermatology in marine species, farm animals and humans.

For further information contact Dr. Claude Gagnon (Chairman) at 8<sup>th</sup> International Symposium on Spermatology, Gerry Lou & Associates, 1224 rue Stanley, Suite 311, Montréal (Québec), Canada, H3B 2S7; Phone: 1-514-878-2530; Fax: 1-514-878-2532; E-mail: cgagnon@is.rvh.mcgill.ca

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### **The Contraceptive Research and Development (CONRAD) Program Announces a Request for Applications (RFA) to Develop Improved Methods of Contraception**

The CONRAD Program is seeking applications to develop contraceptive methods that are safe, effective, and acceptable. Areas of particularly high interest include: barrier methods that protect against the transmission of HIV or other STD pathogens, and are controlled by the female user; improved formulations of existing vaginal products; progestin-releasing single subcutaneous implants or IUDs; adhesives, chemicals, or other techniques to achieve non-surgical male or female sterilization. The program focus is on initial phases of clinical testing and product-oriented preclinical studies. For more information contact Lee E. Claypool, Ph.D. (address below).

The CONRAD Program has also received funds from the Rockefeller, Mellon, and other foundations to create the Consortium for Industrial Collaboration in Contraceptive Research (CICCR) which promotes public/private sector interaction in contraceptive R & D. Funding is available to support a woman-centered agenda which includes male methods; vaginal methods that prevent pregnancy and STDs; and a monthly method that could be post-coital, anti-implantation, or a menses inducer. Funding is available to investigators at not-for-profit institutions, who have, or can attract, industrial interest or joint funding. For more information contact Michael J. K. Harper, Ph.D. (address below).

CONRAD Program, 1611 North Kent Street, Suite 806, Arlington, VA 22209, Phone (703) 524-4744, Fax (703) 524-4770, E-mail info@conrad.org, Website <http://www.conrad.org>

## **AAB Proficiency Testing Service Announces 1998 Proficiency Testing Programs**

October 30, 1997, St. Louis, Missouri—Orders are now being accepted for the 1998 multi-disciplinary proficiency testing programs offered by the Proficiency Testing Service of the American Association of Bioanalysts (AAB). Established in 1949, the AAB Proficiency Testing Service offers comprehensive external quality control programs designed with the flexibility to meet the needs of all laboratories ranging from a one-person laboratory to a full service laboratory. Updated continuously, these programs meet the needs of evolving techniques and concepts in the modern laboratory.

AAB's Proficiency Testing Service surveys are approved by the Health Care Financing Administration (HCFA) under the Clinical Laboratory Improvement Amendments of 1988 (CLIA '88), the Joint Commission on Accreditation of Healthcare Organizations (JCAHO), the Commission on Office Laboratory Accreditation (COLA), and most state agencies.

**Erythrocyte Sedimentation Rate (ESR)** is a new program being offered in 1998. Other programs available in 1998 are listed below:

### **1998 Proficiency Testing Service Programs**

#### **Chemistry Programs**

Alcohol, serum  
Basic Chemistry  
Blood Gases  
Comprehensive Chemistry  
Fertility Endocrinology  
Fructosamine  
Glycohemoglobin  
Isoenzymes  
Special Chemistry  
Therapeutic Drug Monitoring  
Urinalysis  
Urine Drug Screening  
Urine Pregnancy  
Urine Pregnancy (hCG)  
Whole Blood Glucose

#### **Coagulation Programs**

Activated Clotting Time  
Coagulation, Plasma  
Whole Blood Prothrombin Time

#### **Embryology and Andrology Programs**

Antisperm Antibodies  
IVF Embryo Culture Media  
Sperm Count  
Sperm Morphology  
Sperm Viability

#### **Hematology Programs**

Centrifugal Hematology  
Erythrocyte Sedimentation Rate  
Hematology  
Hematology w/DIFF A, B, C, D and E

#### **Immunoematology Programs**

Basic Immunoematology  
Comprehensive Immunoematology  
Extra Unexpected Antibody Vials

#### **Immunology Programs**

Antinuclear Antibody  
Antistreptolysin O  
C-Reactive Protein  
*Helicobacter pylori* Antibody  
Immunoproteins  
Infectious Mononucleosis  
Lyme Disease  
Oral Fluid HIV Antibodies  
Rheumatoid Factor  
Rubella  
Syphilis Serology  
Viral Markers

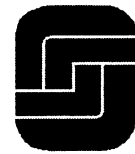
#### **Microbiology Programs**

Acid-Fast Smears  
Bacteriology  
Chlamydia/GC/Strep Group B Antigen Screen  
GC Culture  
GC/Urine Culture  
Gram Stain  
Parasitology  
Strep Group A Antigen Screen  
Throat Culture  
Throat/Urine Culture  
Urine Culture

AAB's Proficiency Testing Service is now accessible via AAB's web site for speedier transmission of information to subscribers. Statistical summaries are also available for access on the web site.

To obtain a complete list of AAB's Proficiency Testing Service programs and an enrollment form, contact:

**AAB Proficiency Testing Service  
205 West Levee Street  
Brownsville, TX 78520-5596  
Toll-free phone: 800-234-5315  
Fax: 956-542-4041  
E-mail: [custserv@aab.org](mailto:custserv@aab.org)  
Web page: <http://www.aab.org>**



SERONO SYMPOSIA S.A.

**INTERNATIONAL SYMPOSIUM AND WORKSHOP ON  
THE TESTIS**  
Thessaloniki, Greece  
August 29-30, 1998

*Organized in collaboration with :*

**Alpha**, International Society for  
Scientists in Reproductive Medicine

**SIMAF**, Schoysman Infertility Management  
Foundation

**IAKENTRO**, Advanced Medical Center



**Symposium Topics**

- The young and adult testis
- Genetics and male infertility
- Testis biopsy techniques
- Handling of testicular spermatozoa and immature sperm cells
- Freezing of testicular spermatozoa
- Biochemistry and cellular maturation in the testis

**Workshop Topics**

- Video sessions and Life demonstrations on
  - testis biopsy techniques
  - testicular sperm preparations
  - ICSI with testicular cells
  - freezing of testicular sperms
- Histopathological evaluations of testicular tissues

**Invited Speakers**

Y. Prapas, Greece  
E. Rajpert-De Meyts, Denmark  
G. Huszar, USA

I. Craft, UK  
P. Vanderzwalmen, Belgium  
H. Zech, Austria

F. Hadziselimovic, Switzerland  
P. Vogt, Germany  
T. Giannakourous, Greece

P. Nagy, Italy  
B. Stewart, UK  
R. Schoysman, Belgium

***For further information, please contact:***

Maria Grazia Calli  
Director, Serono Symposia S.A.  
P.O. Box 7228  
00100 - Rome (Nomentano), Italy  
Te.: +39-6-70384 506  
Fax: +39-6-70384 677



## **Basic Science Research Leads Towards Male Fertility Regulation**

The WHO Research Group on Methods for the Regulation of Male Fertility is supporting studies to develop new, safe, effective and reversible methods of contraception for men.

As part of this initiative, the Research Group wishes to promote research on the molecular and cellular aspects of spermatogenesis/spermiogenesis, and acquisition of sperm fertilizing capacity. The purpose of these studies will be to identify potential new targets for fertility regulation. Some of the research areas that have been proposed include:

- spermatogenesis and spermiogenesis
- acrosome and flagellar formation
- other unique properties of developing spermatids and spermatozoa

In considering basic research opportunities in male fertility regulation, the following criteria should be considered:

- feasibility of subsequent development of a contraceptive product
- specificity of hypothesized mode of action
- duration of effect and reversibility
- possible/expected side-effects
- expected acceptability to potential users

Thus, such research should not only identify important events in the processes, but also how focussed research at the cellular and molecular levels might lead to development of new methods of contraception for use by men.

Investigators working in the above areas are invited to submit outline proposals clearly indicating the relevance of the proposed studies to the identification and development of new leads for male contraceptive development. Full proposals will be solicited from those investigators whose outline proposals are considered appropriate by a subcommittee of the Research Group. Scientists from developing countries are encouraged to participate.

The applications or enquiries should be sent to: ***The Manager, Research Area on Methods for the Regulation of Male Fertility/Male Reproductive Health, Special Programme of Research, Development and Research Training in Human Reproduction, World Health Organization, 1211 Geneva 27, Switzerland, Facsimile: +41 (22) 791 4171.***

# **THE CLEVELAND CLINIC FOUNDATION**

## **DEPARTMENTS OF UROLOGY, GYNECOLOGY, AND OBSTETRICS TRAINING PROGRAMS IN MALE & FEMALE INFERTILITY AND ANDROLOGY**

The Cleveland Clinic Foundation is inviting applications from persons interested in advanced training in the areas of male or female infertility. The training is designed for residents, clinicians, ART personnel and scientists with a background and interest in the field of reproductive medicine. Trainees will get an opportunity to:

- Learn treatment options for male and female infertility through informal discussions and by observing medical and surgical care
- Participate in regular grand rounds, journal club, inservice seminars, and research meetings
- Receive hands-on training in various routine and advanced laboratory tests in our Andrology Laboratory and Sperm Bank
- Learn basic and clinical research techniques in the areas of male and female infertility
- Receive laboratory training in microsurgery (available only to qualified urologists and gynecologists)

Basic (3 weeks) and advanced (6 weeks) training programs are available. Training continues year-round, and three positions are available each quarter. Fellowship support is available for physicians who are not U.S. citizens. This support is limited and will be provided on a competitive basis by the Cleveland Clinic International Center.

The training faculty includes the following staff from the Department of Urology: Anthony J. Thomas, Jr., M.D., Head, Section of Male Infertility; Ashok Agarwal, Ph.D., Director, Andrology Laboratories; and Rakesh Sharma, Ph.D., Staff, Andrology Research Laboratory; and from the Department of Gynecology and Obstetrics, Tommaso Falcone, M.D., Head, Section of Reproductive Endocrinology and Infertility; Jeffery Goldberg, M.D., Reproductive Endocrinologist; and Marjan Attaran, M.D., Reproductive Endocrinologist.

For information on application procedures and course fees, please contact: The Cleveland Clinic Foundation, Department of Urology, A19.1, 9500 Euclid Avenue, Cleveland, Ohio 44195, Attention: Robin Verdi, Telephone (216) 444-9485, Fax: (216) 445-6049, e-mail: [Verdi@cesmtp.ccf.org](mailto:Verdi@cesmtp.ccf.org).

**NATIONAL HORMONE and PITUITARY PROGRAM**  
**NATIONAL INSTITUTE of DIABETES and DIGESTIVE and KIDNEY DISEASES**  
**PEPTIDE HORMONES, SUBUNITS, ANTISERA & OTHER MATERIALS AVAILABLE**

**N E W            A D D R E S S**

**DR. A. F. PARLOW, SCIENTIFIC DIRECTOR, NATIONAL HORMONE & PITUITARY PROGRAM**  
**HARBOR-UCLA MEDICAL CENTER, 1000 W. CARSON ST., TORRANCE, CALIFORNIA 90509**  
**VOICE PHONE (310) 222-3537      FAX PHONE (310) 222-3432      E-MAIL "PARLOW@HUMC.EDU"**

The National Hormone and Pituitary Program (NHPP) offers highly purified peptide hormones and their antisera, tissues (rat hypothalami), and miscellaneous reagents to qualified investigators. These reagents are supplied free for research purposes only, not for therapeutic, diagnostic or commercial use. These reagents are procured or donated through programs supported principally by the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), and also by the Center for Population Research of the National Institute of Child Health and Development (CPR, NICHD), and Dr. A. F. Parlow of the Harbor-UCLA Medical Center, Research & Education Institute.

**NEW MATERIALS AVAILABLE**

- |  |   |
|--|---|
| <b>1. recombinant LEPTIN ( mouse)</b>                    | <b>5. recombinant INHIBIN A (human)</b>       |
| <b>2. recombinant PROLACTIN (mouse)</b>                  | <b>6. Glycosylated PROLACTIN (human)</b>      |
| <b>3. recombinant FSH &amp; CG (human) (Ares-Serono)</b> | <b>7. Porcine RELAXIN</b>                     |
| <b>4. mouse PROLACTIN RIA</b>                            | <b>8. OXYTOCIN &amp; VASOPRESSIN Antisera</b> |

**HORMONE ANTIGENS & ANTISERA for RIA or other IMMUNOASSAY or RRA**

An RIA kit (1) consists of one vial of "iodination quality" antigen, one vial of "RIA quality" antisera and a reference hormone. Antigen or antisera may be requested individually. "Iodination quality" antigen is not pre-iodinated. It is to be iodinated by the requester. For technical information on these reagents contact NHPP's Scientific Director, Dr. A. F. Parlow.

HORMONE	HUMAN	RAT	MOUSE	OVINE	BOVINE	PORCINE	MONKEY	BABOON
ACTH	1	1						
CG	1							
CG $\alpha$	1							
CG $\beta$	1							
FSH	1	1	1	1	1		1	1
FSH $\alpha$	1	1		1	1	1	1	1
FSH $\beta$	1	1		1	1	1	1	1
GH	1	1	1	1		1	1	
GH, 20K	1							
LH	1	1	1	1		1	1	1
LH $\alpha$	1	1		1	1	1	1	1
LH $\beta$	1	1		1	1	1	1	1
LPH $\beta$	1							
NEUROPHYSINS	1							
PL	1							
PRL	1	1	1	1		1		
TSH	1	1	1	1	1	1		
TSH $\alpha$	1	1		1	1	1		
TSH $\beta$	1	1		1	1	1		

**ADDITIONAL REAGENTS FOR RIA**

HORMONE	Canine	Chicken	Equine	Hamster	Rabbit
FSH					1
GH	1	1	1		1
LH			1		1
PRL	1	1	1	1	1
TSH			1		1

**REAGENTS for BIOLOGICAL STUDIES**  
**Highly Purified PITUITARY and PLACENTAL PEPTIDES**

Hormone	Human	Rat	Mouse	Ovine	Bovine	Porcine	Equine
CG, urinary	1 mg						
CG, recomb (Serono)	0.5 mg						
CG $\alpha$ & CG $\beta$ , recomb	0.1 mg						
FSH, pituitary	0.1mg, 0.25mg <sup>1</sup>			0.3 mg/0.25 mg <sup>1</sup>	0.1 mg	0.1 mg	
FSH, recomb (Serono)	0.1 mg						
GH	10 mg	5 mg/1 mg <sup>1</sup>	0.5 mg	50 mg	2 mg, 10 mg	2 mg, 10 mg	1 mg
GH, 20K Variant	1 mg						
LEPTIN			0.5 mg				
LH	0.5 mg <sup>1</sup>			10 mg	1 mg, 5 mg	1mg, 5 mg	
PL	5 mg, 2 mg						
PMS Gonadotropin							2000 IU 10000 IU
PRL	0.1 mg, 0.5 mg <sup>1</sup>	1 mg/1 mg <sup>1</sup>	0.5 mg	50 mg, 10 mg	2 mg, 10 mg	2mg, 10 mg	
PRL, Glycosylated	0.1 mg			1 mg			
TSH	0.5 mg <sup>1</sup>			1 mg	1 mg	1 mg	

<sup>1</sup> SIAFP quality, (Selective Immuno Affinity Purified); i.e. devoid of hormonal contaminants.

**MISCELLANEOUS PEPTIDES**

Human Activin A (recombinant)	50 $\mu$ g	Porcine Folliculostatin	0.2 U
Human Follistatin (recombinant)	0.1 mg	Bovine PTH	1 mg
Human Inhibin A (recombinant)	10 $\mu$ g, 25 $\mu$ g	Porcine Relaxin	1.0 mg

**ANTIBODIES for IMMUNOCYTOCHEMISTRY, WESTERN BLOT, etc.**

IMMUNOCYTOCHEMISTRY & WESTERN BLOT				MISCELLANEOUS
Peptide Antiserum	Human	Rat	Ovine	
ACTH	1	1		anti-Aldosterone <sup>3</sup>
$\beta$ Endorphin	1			anti-Somatomedin-C (polyclonal)
Estrogen & Androgen Receptor <sup>4</sup>		1		anti-cAMP
Follistatin	1			ImmunoAffinity-Purified Ig (Rabbit) to Rat PRL, Rat TSH $\beta$ , Rat LH $\beta$ , Rat LH $\alpha$ , Human PRL, Human TSH $\beta$ , Human LH $\beta$ .  Guinea Pig antisera to all Rat & Human pituitary peptides.
FSH $\beta$	1	1	1	
GH (natural)	1	1 <sup>1,2</sup>	1	
GH (synthetic)	1			
LH $\beta$	1	1 <sup>1,2</sup>	1	
Oxytocin	1	1	1	
PRL	1	1	1	
$\alpha$ Subunit	1	1	1	
TSH $\beta$	1	1	1	
FSH, LH <sup>2</sup> , TSH <sup>2</sup>		1		
Vasopressin	1	1	1	

All the above antisera were raised in rabbits, except for <sup>1</sup> monkey, <sup>2</sup> guinea pig, <sup>3</sup> sheep.

<sup>4</sup> A vial of rat Estrogen receptor peptide (amino acid residues 270-284) is included with this reagent.

Submit requests for reagents on an NHPP Application Form by FAX to (310) 222-3432  
 or by mail to Dr. A. F. Parlow, Scientific Director, National Hormone & Pituitary Program.

APPLICATION FORMS are OBTAINABLE at WEB ADDRESS <http://www.humc.edu/hormones>  
 or by EMAIL or FAX or PHONE request to Dr. Parlow.

Direct all inquiries to Dr. Parlow at

PHONE (310) 222-3537

FAX (310) 222-3432

E-MAIL "PARLOW@HUMC.EDU"

All reagents from NHPP are supplied free of charge. The reagents are sent free via U.S. Mails (unless otherwise specified & paid for by the requesting researcher). Exceptions: - Activin A & Inhibin A are sent refrigerated, via FEDEX, at requester's expense.

# Membership Application

## Personal Information

Please type or print clearly, using the address at which you want to receive all Society mailings, including the *Journal*.

Full Name: \_\_\_\_\_

Institution: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

City: \_\_\_\_\_ State or Province: \_\_\_\_\_

ZIP or Postal Code: \_\_\_\_\_ Country: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

E-mail: \_\_\_\_\_

Indicate the type of membership for which you are applying:    Active    Student    Life

## Education

List the institutions you have attended and degrees you have received. Include postdoctoral fellowships.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## Supporting Documents

All applications must be accompanied by an initial dues payment (see the annual dues information on the back of this application form). In addition, every applicant must have a sponsor. Please submit a letter of recommendation from a colleague in the field of Andrology or secure the signature of an ASA member. It is not necessary to submit a CV.

Sponsoring member's signature: \_\_\_\_\_

Applicants for student membership must also submit a brief letter from an advisor stating that the applicant is a student actively working toward a degree, a medical intern or resident, or a postdoctoral fellow.

## Signature

I swear that the information included in this application is true and correct.

Applicant's signature: \_\_\_\_\_ Date: \_\_\_\_\_

# Annual Dues

Membership dues include a \$45 subscription to the *Journal of Andrology*. Current dues are:

	Active Members	Student Members	Life Members
US Residents	\$100	\$30	\$2,000
Foreign Residents	\$110	\$40	\$2,200

Foreign members may upgrade their *Journal* delivery to first-class airmail by paying a nominal additional fee (based on mailing address). Mexico and Canada: \$12; South America, Europe, North Africa: \$28; South Africa, Asia, Australia/New Zealand, the Middle East: \$35.

All funds must be in US dollars. Checks must be drawn on a US bank and made payable to the American Society of Andrology (tax identification number 38-2138414). Visa and MasterCard are also accepted.

Visa or Mastercard Number: \_\_\_\_\_ Expiration Date: \_\_\_\_\_

Cardholder's Signature: \_\_\_\_\_ Total Payment: \_\_\_\_\_

## Areas of Interest

Please indicate your interests below. This information will be included in the ASA Membership Directory.

### Specialty

Circle no more than two.

- A Applied Research
- B Basic Research
- C Clinical Practice
- D Not Indicated

### Clinical Practice

Circle your primary clinical area.

- 1 Clinical Andrology
- 2 Clinical Laboratory
- 3 Endocrinology
- 4 Internal Medicine

- 5 Obstetrics/Gynecology
- 6 Pediatrics
- 7 Urology
- 8 Veterinary Medicine
- 9 Other
- 10 No Clinical Practice
- 11 None Indicated

### Research Areas

Circle no more than four.

- a Animal Science
- b Biochemistry
- c Cell Biology
- d Endocrinology
- e Genetics
- f Immunology
- g Molecular Biology
- h Oncology

- i Physiology
- j Toxicology
- k Zoology
- l Assisted reproductive techniques
- m Contraception
- n Ejaculatory function
- o Impotence
- p Infectious diseases

- q Infertility
- r Nutrition
- s Sperm
- t Testis
- u Epididymis
- v Prostate
- w Pituitary
- x Other glands
- y None Indicated

# Membership Information

## What is the American Society of Andrology?

The American Society of Andrology (ASA) is a unique membership of scientists and clinicians. Founded in 1975, the Society now has over 700 members from all over the world whose specialty fields includeocrinology, urology, animal science, anatomy, psychiatry, gynecology and biochemistry. The Society, which fosters a multi-disciplinary approach to the study of male reproduction, exists to promote scientific exchange and knowledge of the male reproductive system.

## The Journal of Andrology

One of the most notable benefits of membership in ASA is a subscription to the internationally recognized *Journal of Andrology*. The *Journal* is a major source of scientific reports and topical reviews covering all aspects of male reproduction.

A subscription to the bi-monthly *Journal*, which is valued at over \$200, is included in your membership. Annual dues are \$100 for active members residing in the United States and \$110 for active foreign members. Student memberships — at \$30 for US residents and \$40 for residents outside the US — are also available.

## Scientific Meetings

Membership in ASA also entitles you to reduced registration fees for the Annual Meeting, Postgraduate Course and Laboratory Workshop. With its many lectures, symposia, oral research presentations and poster sessions, the ASA Annual Meeting offers an unequalled opportunity to learn about the latest advances in andrological research. As a member, you'll be the first to receive abstract submission forms, meeting programs and registration

forms. The meetings are designed to meet the interests and needs of ASA's diverse membership, and continuing medical education (CME) credits are available for physicians.

The 24th Annual Meeting will be held April 11–13, 1999 at the Hyatt Regency in Louisville, Kentucky. The 2000 meeting — ASA's 25th birthday — is set for April 9–11 in Boston, Massachusetts; in 2001, the ASA will host the International Society of Andrology meeting in Montréal, Québec, Canada.

## Membership Directory

Members also receive a directory of all ASA members, free of charge. With all members listed and referenced by name, location, research area, specialty and area of clinical practice, this directory is an invaluable resource for anyone within the field of Andrology — but it's available only to ASA members. The directory includes postal and email addresses as well as phone and fax numbers for each member.

## The Handbook of Andrology

ASA members may also receive the *Handbook of Andrology*, an 81-page soft-bound book that presents the basic science and clinical aspects of the male reproductive system in an easy-to-read format. The *Handbook* is a fantastic tool for medical students and is available free of charge to ASA members. Multiple copies are available for educational purposes.

## ASA On-Line

ASA members have access to *Androlog*, the on-line forum to discuss the latest issues and topics in the field of Andrology with your cyberspace colleagues. The Society also maintains a home page at <http://godot.urol.uic.edu/~androlog/> which can be used to find out the latest

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association news and download abstract forms, membership applications and meeting registration forms. The ASA home page also includes direct email links to ASA's elected officers and administrative offices.

## Student Benefits

The ASA recognizes that students are the future of Andrology. With this in mind, the Society offers special student membership discounts—and unlike many other societies, a *Journal* subscription is part of student membership. Students also receive lower meeting registration fees, and students who present research at the Annual Meeting are eligible for the Thomas S.K. Chang Student Travel Fund. In addition, the ASA Student Affairs Committee sponsors a Student Colloquium and a reception especially for students at the Annual Meeting.

## Women In Andrology

Understanding that women face unusual challenges in the field of Andrology, the Women in Andrology (WIA) group of ASA was founded as a forum for women to network and benefit from the collective experience of others in the group. WIA also mentors women entering Andrology, and the group holds a luncheon at the Annual Meeting each year.

## Membership Categories

**Active membership** is open to any professionally qualified physician or scientist with an interest in and evidence of scientific contributions in the field of Andrology. Annual dues are \$100 for active members in the US and \$110 for foreign members.

**Life Membership** is awarded to any active member who makes a single payment equivalent to twenty years of dues to the Society.

**Student Membership** is for any student in a program leading to a degree, post-doctoral fellow, medical intern or resident interested in the progress and development of Andrology. Annual dues are \$30 for students in the US and \$40 for students in foreign countries.

**Emeritus membership** is awarded by the Membership Committee to members who have retired and who are worthy of the designation of Emeritus. Emeritus members

do not pay dues and do not receive the *Journal of Andrology*, but they do receive all other Society mailings and the Annual Meeting registration fees are waived.

## To Join

To become a member of the American Society of Andrology, send your application and first year's dues payment to:

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Applications are reviewed by the Membership Committee and dues payments are not deposited until approval received. Checks, made payable to the American Society of Andrology, must be in US dollars drawn on a US bank. Visa and MasterCard payments are also accepted.

Membership is based on a calendar year and dues invoices are sent annually in the fall. New members receive all issues of the *Journal* for the calendar year which they join the Society, with the following caveats: Members who join after June 30 in any year may elect to pay half the annual dues for that year; in that case, they will receive only the issues of the *Journal* from the second half of that year. Members who join after September may elect to have their full dues payment applied to the following year; if they exercise this option, their *Journal* subscription will not begin until January 1 of the following year. Any member who joins the Society at any time during the year and wants to receive all issues of the *Journal* for that year must pay the entire year's membership dues.

## Questions?

Contact the ASA executive offices by phone: (415) 764-4823; fax: (415) 764-4915 or email: 105037.1120.compuserve.com if you have additional questions.



**Serono Symposia USA, Inc.**  
**Sex Steroid Interactions with Growth Hormone**

October 22-25, 1998, Naples, Florida

*Co-Chairs*

Johannes D. Veldhuis, M.D.

Andrea Giustina, M.D., Ph.D.

*Speakers*

Drs. Marc Blackman, Paul Boepple, Cyril Bowers, Bruce Carr, Fernando Cassorla, Justo Castano-Fuentes, Donald Clifton, Kenneth Copeland, Carlos Dieguez, Staffan Eden, Keith Friend, Lawrence Frohman, David Fryburg, Ezio Ghigo, Andrea Giustina, Jan-Ake Gustafsson, Ken Ho, Andrew Hoffman, Gudundur Johannsson, Michael Johnson, Jens Otto Lunde Jorgensen, James Kerrigan, Richard Krieg, Jr., Paul Martha, Jr., Nelly Mauras, Edward Neely, Ferdinand Roelfsema, Alan Rogol, Franco Sanchez-Franco, Gloria Tannenbaum, Johannes Veldhuis, David Waxman, Arthur Weltman

This meeting will provide new insights and concepts gained by molecular, cellular and neuroendocrine research into mechanistic interactions of the reproductive and somatotrophic axes. Sessions will include: the impact of sex steroids on growth hormone secretion in the human, both children and adults; sex steroids, growth hormone releasing factor, and somatostatin; how sex steroids modulate growth hormone action on target tissues; and differential effects of growth hormone secretagogues in men and women. At the end of this meeting, the attendees will demonstrate an increased clinical and scientific knowledge of the biological mechanisms associated with the interactions between the sex steroid and growth hormone axes in adolescents, young adults, and older individuals. This symposium is designed for physicians, scientists, and other health professionals interested or trained in clinical and basic endocrinology, growth or reproduction.

*AMA Category I credit hours will be awarded*

For further information or abstract forms, please contact:

Leslie Nies, President

Serono Symposia USA, Inc.

100 Longwater Circle, Norwell, MA 02061 USA

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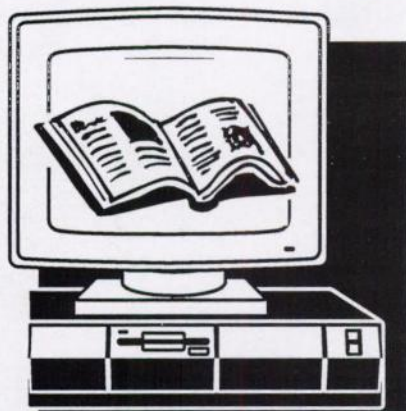
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