

Association News and Announcements

NASAL AND PULMONARY DELIVERY OF PEPTIDE AND PROTEIN DRUGS

Pfeiffer, Inc., together with the University of Southern California, is planning a seminar in May, 1990, "Nasal and Pulmonary Delivery of Peptide and Protein Drugs." For further information, contact: Dr. V. H. L. Lee (213) 224-7550, or J. D. Higgins, 12 Roszel Road, Suite C-104, Princeton, NJ 08540. Telephone—609-987-0223. Telex 494 8362 pfeif, FAX 609-987-0763.

CALENDAR OF EVENTS

July 1-6, 1990. XIth International Congress of Pharmacology, to be held in Amsterdam. The Netherlands. This conference consists of 22 plenary lectures, 41 symposia, 22 workshops, 6 debates and over 2000 oral and poster communications. All major areas of research in pharmacology and related disciplines are covered, from molecular pharmacology to pharmacokinetics, drug metabolism and drug targeting. Congress executive committee: Prof. D. de Wied and Prof. J. M. van Ree, Rudolf Magnus Institute of Pharmacology, University of Utrecht, Prof. D. D. Breimer, Center for BioPharmaceutical Sciences, University of Leiden, and Prof. P. A. van Zwielen, Department of Pharmacology, University of Amsterdam. Around this congress 35 satellite meetings are organized in Holland or neighboring countries. For further information contact: Secretariat XIth Int. Congress of Pharmacology, RAI—Organisatie Bureau b. v., Europaplein 12, 1078 GZ Amsterdam, The Netherlands; telephone 31-20-549 12 12; telefax 31-20 46 44 69.

May 8-9, 1990. Milan, Italy—A two day intensive course on Fundamentals of Steam Sterilization. Details from Dr. Geoffrey P. Jacobs Associates, Pharmaceutical Consultants, Bradda House, 26 Cavendish Road, Salford M7 0WW, U.K. (Phone 061-792-2002), or P.O. Box 16352, Jerusalem 91162, Israel (Phone 972-2-422 227; Telex 26552 JRNET IL; Fax 972-2-246569).

CRS 1990 Meetings:

May 14-15, 1990. CRS-APV Joint Workshop, Boston, Massachusetts. Microencapsulation and Nanoencapsulation—Processes and Pharmaceutical Applications.

July 22-25, 1990. Reno, Nevada. The 17th International Symposium on Controlled Release of Bioactive Materials.

July 26-27, 1990. Workshop following the 17th International Symposium, Reno, Nevada. Scale-Up Processes for the Manufacture of Controlled Release Systems.

For further information, contact the Controlled Release Society Administrative Office at: 16 Nottingham Drive, Lincolnshire, IL 60069 USA, telephone: (708) 940-4277.

AAPS AWARDS

AAPS is seeking nominations for the following awards

which will be presented at the association's Fifth Annual Meeting, November 4-9, 1990, at the Las Vegas Hilton, Las Vegas, Nevada.

DALE E. WURSTER RESEARCH AWARD IN PHARMACEUTICS

The purpose of this award is to recognize individuals who have made significant *research* contributions to the pharmaceutical sciences in the specific field of pharmaceuticals. For the purposes of this award, pharmaceuticals is to be broadly defined to encompass such research areas as physical pharmacy, preformulation, dosage form design, formulation, biopharmaceutics, pharmacokinetics, etc.

The award is presented biennially, but only when a worthy candidate is identified. The recipient will receive \$10000, an engraved plaque, and travel expenses (a maximum of \$1000 domestically and \$1500 internationally) to the 1990 AAPS Annual Meeting. This award is sponsored by the Wurster Development Fund of the University of Iowa Foundation.

Deadline: May 12, 1990.

AAPS DISTINGUISHED SERVICE IN ADVANCEMENT OF THE PHARMACEUTICAL SCIENCES

The purpose of this award is to recognize distinguished service in advancing the pharmaceutical sciences and the American Association of Pharmaceutical Scientists. The nominee for this award will have had a long and productive career as well as distinguished service reflected in extensive contributions to the pharmaceutical sciences (in any one or more of its subdisciplines; e.g., those represented by AAPS sections) and to AAPS as an organization *per se*. Specific emphasis will be placed upon achievements which have materially influenced the advance and progress of the pharmaceutical sciences and AAPS. While the nominee may have had notable scientific accomplishments in other, or even related, fields, this will not be a primary criterion for selection. Stimulation of research should be an important consideration for nomination. The nature of contributions to be considered in selecting the award recipient from among those nominated will include research, teaching, authorship of publications, administration, and a broad service to AAPS.

The award consists of \$5000, an engraved plaque, and traveling expenses to the 1990 AAPS Annual Meeting.

Deadline: June 15, 1990.

MERITORIOUS MANUSCRIPT

The award is intended to recognize outstanding achievement in the pharmaceutical sciences as demonstrated by the author in the quality and originality of a manuscript pub-

lished in the official AAPS journal *Pharmaceutical Research*.

The scientific impact of the published work should be the principal consideration used in nominating the paper. This could be based on new concepts or new experimental procedures. The paper must have been published at least two years prior to the meeting at which the presentation is made. The recipient of the award need not be a member of AAPS.

The award consists of \$2000, a framed certificate, and reimbursed travel expenses to the 1990 AAPS Annual Meeting.

Deadline: May 22, 1990.

RESEARCH ACHIEVEMENT

These awards are intended to recognize outstanding scientists who have conducted fundamental research that has had significant impact in the fields of Analysis and Pharmaceutical Quality; Economic, Marketing and Management Science; Medicinal and Natural Products Chemistry; and Pharmacokinetics, Pharmacodynamics and Drug Metabolism. [Note: The Biotechnology; Clinical Sciences; Pharmaceuticals and Drugs Delivery; and Pharmaceutical Technology Sections will present Research Achievement Awards in 1991.]

Award recipients receive a \$2000 honorarium and reimbursed expenses to attend the 1990 AAPS Annual Meeting.

Deadline: June 15, 1990.

FELLOWS

An AAPS Fellow is defined as a distinguished AAPS member who is an acknowledged leader and outstanding contributor to the pharmaceutical sciences. Selection as an AAPS Fellow is based on peer recognition and leadership (including service contributions to AAPS and other scientific organizations).

Deadline: May 12, 1990.

YOUNG INVESTIGATOR GRANT IN PHARMACEUTICS AND PHARMACEUTICAL TECHNOLOGY

The Pharmaceuticals and Drug Delivery and Pharmaceutical Technology sections of AAPS, through the generosity of Pfizer Central Research, annually sponsor a grant to support young academic researchers during the early stages of their careers. The award is a one-time grant of \$10000 to be used to support the research effort of an individual actively engaged in training graduate students and carrying out basic research in pharmaceuticals, during delivery and/or pharmaceutical technology.

Nominees must demonstrate a commitment to conduct research in basic pharmaceuticals, dosage form design, or pharmaceutical technology, and have the potential for outstanding achievement in teaching and research in these areas, as well as the potential to be future leaders in pharmaceutical education and research. Nominees must have less than 7 years of academic experience and less than 10 years total postdoctoral experience.

The award, consisting of \$10000 and certificate, will be presented to the recipient at the AAPS 1990 Annual Meeting.

Deadline: June 15, 1990.

P&G GRADUATE SYMPOSIUM IN DRUG DELIVERY AND PHARMACEUTICAL TECHNOLOGY

AAPS and the Procter & Gamble Company annually sponsor a Graduate Symposium in Drug Delivery and Pharmaceutical Technology held at the AAPS' Annual Meeting. The program is designed to recognize excellence in graduate education in the field of Pharmaceuticals and Drug Delivery and Pharmaceutical Technology.

A travel award to defray reasonable costs for travel, lodging, meals, and meeting fees will be provided by Procter & Gamble to the selected students. In addition, each student selected will receive a cash award of \$250.00. The cash awards, in addition to commemorative plaques, are presented at the conclusion of the symposium.

Deadline: May 1, 1990.

Detailed information and nomination forms for the 1990 Awards are available from AAPS, 601 King Street, Alexandria, Virginia 22314-3105, telephone: (703) 548-3000.

FIRST EUROPEAN SYMPOSIUM ON CONTROLLED DRUG DELIVERY

The First European Symposium on Controlled Drug Delivery will be held March 28-30, 1990 at the Huis ter Duin Hotel, Noordwijk-aan-Zee, The Netherlands. Provisional programme: 1. Biodegradable implants for drug delivery; 2. Liposomes, niosomes, microspheres and nanoparticles as drug carriers; 3. High molecular weight drug/prodrugs/drug targeting; 4. Novel developments in peptide delivery including self-regulating delivery systems; 5. Transdermal iontophoretic and electro-osmotic transport; 6. Pharmacokinetics/dynamics of controlled release systems; 7. Application of hydrogels for controlled drug delivery. Contact: Secretariat: Dr. ir. J. A. van Alsté, Coordination Centre for Biomedical Technology, University of Twente, P.O. Box 217, 7500 AE Enschede, The Netherlands. Telephone X-31 53 893367, Telex 442000 thtes, Telefax X-31 53 334257.

SWEDISH ACADEMY OF PHARMACEUTICAL SCIENCES

The Swedish Academy of Pharmaceutical Sciences plans to hold the following International Meeting: Symposium on Self-Medication—Consumer Aspects, to be held in Stockholm, Sweden, April 2-4, 1990. Sessions: Defining the concept of self-medication, Underlying factors of significance in self-medication, Methods in self-medication research, Factors influencing consumer self-medication strategies and behavior, Future trends and Implications for pharmaceutical education and pharmacy services.

For further information please contact the Swedish Academy of Pharmaceutical Sciences, P.O. Box 1136, S-111 81 Stockholm, Sweden, FAX +468205511.

NEW TRENDS IN PHARMACOKINETICS

The N.A.T.O. Advanced Study Institute presents "New Trends in Pharmacokinetics." *Locality:* Ettore Majorana Centre for Scientific Culture, Erice, Sicily, Italy. *Date:* 4-15 September 1990. *Organizing Committee:* A. Rescigno,

University of Parma, Italy, G. Mariani, University of Pisa, Italy, J. T. Stevens, Ciba-Geigy, Greensboro, North Carolina, and A. K. Thakur, Hazelton Laboratories, Vienna, Virginia. *Topics:* The role of Pharmacokinetics in the design of new drugs, Stereospecific Pharmacokinetics, Distribution and Pharmacokinetics, Pharmacokinetic modeling of Monoclonal Antibodies, Interspecies pharmacokinetic scaling, From compartmental to non-compartmental models, and Pharmacokinetics of Anticancer and anti-AIDS drugs.

For information contact: Prof. Giuliano Mariani, C.N.R. Clinical Physiology, via Savi 8, I-56100 Pisa, Italy, Telephone (050) 554065; or Dr. A. K. Thakur, Hazelton Laboratories America Inc., 9200 Leesburg Turnpike, Vienna, Virginia 22180, Telephone (703) 893-5400.

TOPICAL DRUG PRODUCTS WORKSHOP

An AAPS/FDA/Industry co-sponsored workshop is planned to discuss problems, issues, and possible solutions in the development and optimization of dermatological topical drug products. The workshop will be held at the Hyatt Regency—Crystal City (adjacent to National Airport) in Arlington, Virginia, March 26–28, 1990.

The major objectives of the workshop are to: Review and evaluate available information on topical drug products; evaluate relationships between pharmacological activity, drug delivery, and clinical efficacy; identify important principles in the development and optimization of topical drug products; raise possible concerns related to the local and systemic toxicity problems arising from optimization of drug delivery; discuss regulatory concerns in the evaluation of topical drug products. The workshop is co-chaired by Distinguished Professor William I. Higuchi (University of Utah), Dr. Vinod P. Shah (FDA), and Dr. Charan R. Behl (Hoffmann-LaRoche). The format of the workshop will offer sample opportunity for audience participation and discussion.

For additional information, contact the American Association of Pharmaceutical Scientists, 601 King Street, Alexandria, Virginia 22314-3105. Telephone (703) 548-3000.

CHALLENGES IN THE DEVELOPMENT OF PROTEIN DRUG PRODUCTS

The 1990 June LOL Conference (International Industrial Pharmaceutical Research Conference) will be held June 11–15, 1990. This conference is a *teaching conference*. The primary program goal is to teach attendees what needs to be done to develop a successful protein drug product. Although selected program aspects will touch on components of the entire development spectrum from discovery to marketing, the primary emphasis will be on development including purification (scale-up), preformulation and formulation. The general goal will be achieved through the objectives listed below. At the conclusion of this conference, attendees should be able to: (1) Demonstrate an understanding of protein basics such as: what are proteins and how are they obtained. Topics of relevance include cell biology, fermentation, nomenclature, purification, characterization, reactivity, thermodynamics and interfacial properties. (2) Identify the problems (challenges) encountered in formulating protein drugs with the ultimate goal of exploring solutions to such problems. (3) Show an appreciation for the importance of effective communication mechanisms with respect to the transfer of complex technology throughout the process of the development of protein drug products (from discovery to marketing). (4) List FDA standards associated with protein drug products and demonstrate an understanding of how these standards are applied to process of filing a PLA for a protein drug product.

For additional information, contact Alan L. Hanson, Ph.D. (608) 262-2099; School of Pharmacy, University of Wisconsin, Madison, 425 N. Charter Street, Madison, Wisconsin 53706.