

## Association News and Announcements

### SCHOLARSHIPS AND FELLOWSHIPS FROM THE AMERICAN FOUNDATION FOR PHARMACEUTICAL EDUCATION

The American Foundation for Pharmaceutical Education announces the availability of \$600,000 for Scholarships and Fellowships beginning in September 1990. Awards include 11 First Year Graduate Scholarships (\$5000), approximately 70 Graduate Fellowships (\$6000–\$10,000), including 7 "Springboard to Teaching" Fellowships; and 2 Postdoctoral Research Fellowships (\$22,500). Applications are available after December 1, 1989 and must be submitted by March 1, 1990. Contact: Dr. Richard E. Faust, President, American Foundation for Pharmaceutical Education (AFPE), 618 Somerset Street, P.O. Box 7126, North Plainfield, New Jersey 07060.

### 29TH INTERNATIONAL INDUSTRIAL PHARMACY CONFERENCE

The University of Texas College of Pharmacy and Division of Continuing Education present the 29th Annual International Industrial Pharmacy Conference, to be held February 25–March 1, 1990 at the Barton Creek Conference Center, Austin, Texas. This year's conference theme is "National and International Issues in Drugs and Biologics Regulations." Experts from private industry, government, and academia will present information from their experience on background issues and practical applications of workable solutions to actual and potential situations. The conference is presented for the pharmaceutical industry, the profession of pharmacy and other health related professions. The program is approved for 1.4 CEU's (14 contact hours) of continuing pharmacy education credit. For further information, please contact Dr. Salomon Stavchansky (512-471-1407) or Jennifer Myhra (512-471-6213).

### 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.

### 1990 AAPS CALENDAR

*January 21–26.* 25th Annual Arden House Conference, Harriman, New York. Topic: Dosage Form Development for Non-Oral Drug Delivery: Theory and Contemporary Practice.

*February 26–28.* Western Regional Meeting, Flamingo Hilton Reno, Reno, Nevada.

*March 26–28.* Topical Drug Products Workshop, Hyatt Regency Crystal City, Arlington, Virginia. Topic: Principles and Criteria for the Development and Optimization of Topical Therapeutic Products.

*May 14.* Midwestern Meeting, O'Hare Marriott, Chicago, Illinois.

*June 4–6.* Eastern Regional Meeting, Hyatt Regency, New Brunswick, New Jersey.

*November 4–9.* 5th Annual Meeting, Las Vegas Hilton, Las Vegas, Nevada.

Additional information regarding these meetings is available from the AAPS office: 601 King Street, Alexandria, Virginia 22314-3105; telephone—(703) 548-3000.