

AAPS Electronic Scientist

COVERING PHARMACEUTICAL SCIENCE AND RESEARCH ON THE INTERNET

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8,000 Pharmaceutical Scientists to Explore Cutting-Edge Research

This may be the last chance to join scientists from around the world who will learn, network and explore new scientific research and technologies at the AAPS Annual Meeting and Exposition in Denver, CO, October 21-25. Scientists will explore the theme, "Pharmaceutical Sciences: Climbing New Heights" and present more than 2,000 contributed papers featuring important scientific findings.

The Opening Session will feature keynote speaker Donald P. Francis, M.D., D.Sc., President and Co-Founder of VaxGen, Inc. Dr. Francis is one of the world's most widely recognized scientists in the field of AIDS. As head of the AIDS laboratory at the Centers for Disease Control and Prevention (CDC) in the early '80s, he was one of the first scientists to grasp the significance of the looming AIDS epidemic and worked closely with French researchers to prove that HIV was the agent that caused AIDS. He also was one of the first to sound an early warning that the nation's blood supply was at risk from HIV. His efforts to call attention to the AIDS threat and warn of the inadequacy of the public health response were chronicled in the book and movie *And The Band Played On*, journalist Randy Shilts' account of the early years of the AIDS epidemic.

The meeting offers more than 70 educational sessions including symposia, short courses, and roundtable discussions. One symposia, entitled "Analysis and Pharmaceutical Quality of Biotechnology Derived Products: From Development to Production," explores current analytical and bioanalytical techniques for the analysis and quality considerations of biotechnology-derived products in the laboratory and production settings. Another symposia, entitled "Genomics: Impact on Drug Discovery and Marketing in the New Millennium," provides an overview of the emerging field of pharmacogenomics and its impact on drug discovery and marketing.

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www.aapspharmaceutica.com

Other topics to be presented include:

- The Successes and Challenges of Bioinformatics and Pharmacogenomics in Drug Discovery and Development
- Emerging Pharmaceutics Strategies for More Efficient Drug Candidate Identification
- Penetration of Drugs and Macromolecules in Solid Tumors
- Role of Drug Transporters in the Brain
- Novel Tools to Study the Mechanisms, Expression and Regulation of Drug Transporters

Visit AAPS Pharmaceutica at www.aapspharmaceutica.com/annualmeeting for online registration and detailed, up-to-date information about the meeting. To request a copy of the preliminary program, contact the AAPS office at 703-243-2800 or meetings@aaps.org.

AAPS Press Introduces Books on Nutraceuticals, Latest Pharmaceutical Research

AAPS Press offers two new books to help pharmaceutical scientists review the latest research in the pharmaceutical sciences and the science behind nutraceuticals.

The *AAPS PharmSci Supplement*SM allows readers to catch up on latest research in the pharmaceutical sciences presented during the 2000 AAPS Annual Meeting in Indianapolis. This new release is author-indexed for easy reference. With more than 2,000 abstracts written by more than 5,000 scientists, it is an invaluable reference tool for scientists in industry and academia. To order, visit www.aapspharmaceutica.com/supplement.

Examining the Science Behind Nutraceuticals: Proceedings of the AAPS Dietary Supplements Forum presents cutting-edge information from the AAPS Dietary Supplements Forum held last year on the science behind nutraceuticals, which included presentations from scientists representing a broad spectrum of disciplines. The publication features contributions from leading pharmaceutical scientists and medical professionals in industry and academia, officials from FDA and NIH, and top association executives.

Continued

Key Features of the book include:

- Regulatory implications of the 1994 DSHEA (Dietary Supplement Health Education Act) and FDA plans for its implementation
- Current status and challenges of validating the health benefits and risks of dietary supplements
- Challenges of educating both healthcare professionals and consumers about dietary supplements: what do they need to know and what is the best way to deliver it?
- Extraction methods, analytical challenges, and other issues/problems involved in standardizing botanical extracts
- Drug permeability, solubility, and metabolism in oral bioavailability, and potential implications for dietary supplement delivery
- Scientific barriers to establishing appropriate standards for manufacture, product quality, and performance of dietary supplements

Visit www.aapspharmaceutica.com/nutraceutical to order your copy today.

AAPS Presents Short Course on Computer Simulation and Its Role in Drug Development Research

AAPS will present a short course on the topic of Monte Carlo Simulation and how it can be used as a research tool in drug development. The course will not feature information about using software, but about identifying the special challenges that such simulations present. This didactic course is designed for pharmacokineticists and clinical pharmacologists who want to understand the nature of Monte Carlo Simulation, how it can be used to answer questions that traditional methods of modeling cannot answer and how Monte Carlo Simulation is used in relation to clinical trial simulation.

The short course will take place September 20-21, 2001 at the Crystal Gateway Marriott, Arlington, Va.

Visit www.aapspharmaceutica.com/simulation for up-to-date information and registration details.

AAPS Education Anytime Offers Distance Learning Opportunities

AAPS offers a series of electronic education programs that innovate and manage distance learning opportunities for AAPS members and the scientific community.

"The Education Anytime programs give participants opportunities to partake in low-cost professional development activities without taking time away from work and home, and the added expense of travel," said Andrew Cohn, Professional Development Senior Technology Manager at AAPS.

Some of the latest offerings include:

Nutraceuticals: Issues and Opportunities

Presenters: *Jian-Hwa Guo, Ph.D., Robert L. Chapman, Ph.D., Thilo Messerschmitt, Ph.D., Philip N. Anderson, Ph.D., Richard Kingston, Pharm.D., Larry Augsburg, Ph.D.*

A comprehensive course covering validation and harmonization of botanical preparations, arteriosclerosis and nutrient intake, emerging technologies for the characterization of nutraceuticals, challenges in monitoring and evaluating interactions and toxicity, and regulation of the nutraceuticals industry: internal and external issues. Members: \$225; Nonmembers: \$337

Basic Dissolution Testing

Presenter: *Vivian A. Gray, Dupont Pharmaceuticals Co.*

Analysts will obtain a fundamental understanding of many aspects of dissolution testing in the following areas: basic dissolution testing techniques; the utility of the dissolution test; how to develop and validate methods; the role of USP in dissolution testing; FDA and other regulatory guidelines. Members: \$200; Nonmembers: \$300

Patent Fundamentals for Scientists

Presenters: *Steven W. Collier, J.D., Ph.D., Pfizer, Inc., Lisa M. Hemmendinger, J.D., Ph.D., Banner & Witcoff, Ltd.*

This course provides the scientist-inventor and the scientist-manager with a fundamental understanding of the patent system. Topics include explanations of patents and inventions; determining inventorship and prior art; claiming the invention, drafting and filing the application, U.S. prosecution overview, and foreign patent practice. Members: \$200; Nonmembers: \$300

For ordering information and a complete listing of all products in the AAPS Education Anytime catalog, visit www.aapspharmaceutica.com/EA.

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