

# AAPS Electronic Scientist

Covering Pharmaceutical Science and Research on the Internet

June 2001

## Pharmaceutical Sciences: Climbing New Heights

More than 8,000 pharmaceutical scientists will gather in Denver, Colorado, October 21-25 at the 2001 American Association of Pharmaceutical Scientists (AAPS) Annual Meeting and Exposition to explore "Pharmaceutical Sciences: Climbing New Heights." Scientists from around the world will learn, network and explore new scientific research and technologies.

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 will offer more than 70 educational sessions including symposia, short courses, and roundtable discussions. Topics to be presented include:

- Genomics: Impact on Drug Discovery and Marketing in the New Millennium (Implications of the Human Genome Project)
- 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

Scientists at this meeting will present close to 2,000 contributed papers featuring important scientific findings. Abstracts of the papers to be presented at the meeting will be published in *AAPS PharmSci*<sup>SM</sup> at [www.pharmsci.org](http://www.pharmsci.org). *AAPS PharmSci* is an exclusively online journal of AAPS, which offers a forum for the rapid exchange and dissemination of scientific knowledge in the pharmaceutical sciences.

For detailed, up-to-date information about the meeting, visit AAPS Pharmaceutica at [www.aapspharmaceutica.com/annualmeet.htm](http://www.aapspharmaceutica.com/annualmeet.htm).

## AAPS PharmSci<sup>SM</sup> Announces New Theme Issue

### Membrane Transporters: Pharmacological and Physiological Relevance

*Editor, Jashvant Unadkat, Ph.D.; Associate Editors, Peter Swaan, Ph.D. Gregory Knipp, Ph.D.*

Membrane transport is a burgeoning area of research in the pharmaceutical sciences. Approximately 2.8% of known human genes code for intracellular or membrane transporters. Currently, 30% of clinically marketed drugs are targeted towards membrane transporters or channels. Membrane transporters play a critical role in absorption, distribution and elimination of wide variety of drugs and nutrients. In this call for papers, AAPS invites authors to submit papers for their *AAPS PharmSci*<sup>SM</sup> theme issue titled "Membrane Transporters: Pharmacological and Physiological Relevance," Editor, Jash Unadkat, Ph.D., Professor of Pharmaceutics, Univ. of Washington and Associate Editors, Peter Swaan, Ph.D., Assistant Professor of Pharmaceutics, Ohio State University and Gregory Knipp, Ph.D., Assistant Professor of Pharmaceutics, Rutgers University.

*(continued)*

Manuscripts are invited from the broad range of topics such as:

- Identification of novel membrane transporters mechanisms of transport
- *In vivo* expression, tissue/cellular localization and function of membrane transporters
- Structure-activity and structure-function relationships
- Structure and biophysics of membrane transporters
- Intracellular sorting and targeting of transporters utilizing membrane transporters for improved delivery of drugs
- Mechanisms of regulation of membrane transporters
- Mechanisms of variability in expression of membrane transporters
- Modeling of mechanisms, transport kinetics and structure of membrane transporters

The theme issue will be separately advertised to target audiences, to enhance the impact of papers submitted under a common umbrella.

Papers will be accepted by e-mail attachment or by disk to the AAPS Editorial office (see instructions to authors at [www.pharmsci.org](http://www.pharmsci.org)). Manuscripts will undergo an expedited review by two experts to determine suitability for publication. Manuscripts will be published immediately following acceptance in the theme issue of *AAPS PharmSci*; the paper will also appear in the regular monthly issue of *AAPS PharmSci* as an alternative entry point for our readers.

*AAPS PharmSci*, at [www.pharmsci.org](http://www.pharmsci.org), is a new electronic journal published by the American Association of Pharmaceutical Scientists (AAPS) with the goal of publishing manuscripts of broad interest to pharmaceutical scientists. *AAPS PharmSci* is owned by AAPS and authors retain the rights to royalty-free, personal use of the information published in *AAPS PharmSci*. The journal is designed to take advantage of the rapid advances that are occurring in electronic publishing, including color and 3-D figures, interactive figures and tables, as well as audio and video features.

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E-mail articles, images, and supporting data as attachments to [pharmsci-edoffice@aaps.org](mailto:pharmsci-edoffice@aaps.org).

Mail diskettes with articles, images, and supporting data to:

AAPS PharmSci  
Attn: Manuscript Coordinator  
c/o AAPS  
2107 Wilson Blvd., Suite 700  
Arlington, VA, 22201-3046

## AAPS' Newest Initiative

One of the American Association of Pharmaceutical Scientists' (AAPS) newest initiatives is an Internet portal for pharmaceutical scientists, AAPS Pharmaceutica. AAPS Pharmaceutica replaces AAPS Online as the association's information web site. AAPS Pharmaceutica can be accessed online at [www.aapspharmaceutica.com](http://www.aapspharmaceutica.com).

The portal offers peer-reviewed research papers from the industry's acclaimed journals, *AAPS PharmSci*<sup>SM</sup> and *AAPS PharmSciTech*<sup>SM</sup>. *AAPS PharmSci* covers all areas dealing with drug discovery, development and therapy; *AAPS PharmSciTech* features basic and applied research on pharmaceutical dosage forms, both traditional and novel.

The AAPS Online Career Center, no longer a benefit exclusively available to AAPS members, includes access to resume posting and searching, recruitment service information, career articles, employment opportunities, and mentoring program information.

Visitors to the News Room can access current and archived AAPS press releases and preview new scientific research by accessing the AAPS Annual Meeting Abstracts. Guests can learn more about the AAPS Annual Meeting and other special events, such as innovative workshops and forums.

AAPS Pharmaceutica provides AAPS members with additional services unavailable to the public. *Pharmaceutical Research*, the profession's highest cited journal, gives AAPS members access to fundamental and applied research related to drugs, drug delivery systems, and diagnosis and therapy. *AAPS Newsmagazine*, with expanded scientific content, keeps AAPS members in touch with their association and the pharmaceutical sciences.

Future products and services to be offered on AAPS Pharmaceutica include additional journals, personalized content, threaded discussion groups, and expanded news coverage.