

# AAPS Update

AAPS—YOUR FORMULA FOR SUCCESS!

July 2004

## New Titles from AAPS Press!

### *Pharmaceutical Profiling in Drug Discovery for Lead Selection*

Author(s): Ronald T. Borchardt,  
University of Kansas  
Edward H. Kerns, Wyeth  
Christopher A. Lipinski, Pfizer  
Dhiren R. Thakker, University of North Carolina  
Binghe Wang, North Carolina State University

Volume 1 of the AAPS Press series, *Biotechnology-Pharmaceutical Aspects*. Based on a 2003 AAPS workshop of the same name, *Pharmaceutical Profiling in Drug Discovery for Lead Selection* emphasizes the importance of accuracy in the prediction, measurement, and application of physiochemical and ADME properties, not only to guarantee successful lead selection in "hit-to-lead" research but also to avoid the common pitfalls that arise when property information is lacking. Its contributors include highly experienced leaders from both industry and academia, with specialization in advanced methods for *in silico*, physiochemical, permeability, *in vitro*, and ADME, as well as in medicinal chemistry applications on pharmaceutical property information. This book is the first volume of the *Biotechnology—Pharmaceutical Aspects* series, and includes a transcript of the discussion sessions held during the course of the workshop.

Suggested List Price: \$185  
AAPS Member Price: \$148

### *Lyophilization of Biopharmaceuticals*

Author(s): Henry R. Costantino,  
Nastech Pharmaceutical Company, Inc.  
Michael J. Pikal, University of Connecticut

Volume 2 of the AAPS Press series, *Biotechnology-Pharmaceutical Aspects*. This edition covers the important topic of freeze drying of biopharmaceuticals. The book starts by discussing lyophilization equipment and validation. Next, stresses involved in lyophilization are reviewed. Other important areas included in this volume are transport phenomena, physics of glassy materials, and process design and control. Formulation development and lyophilization cycle development are likewise reviewed. Also included is a relevant and comprehensive presentation of FDA-approved biopharmaceutical products and their excipients. Attention is given to the characterization of protein and peptide powders by commonly used solid-state methods. These methods facili-



tate formulation development in a rational fashion to address the various solid-state degradation mechanisms, which are also reviewed in a separate chapter. Additional chapters which should provide timely relevant reviews treat lyophilization of liposomes, lyophilization of nucleic acids, spray freeze drying, and the use of dried enzymes as non-aqueous catalysts. Various leaders from academia and industry have contributed to *Lyophilization of Biopharmaceuticals*. The result is a comprehensive volume for anyone in academia or industry interested in formulation of peptide and protein drugs in the lyophilized state.

Suggested List Price: \$195  
AAPS Member Price: \$156

You'll want to order your copies now to assure immediate delivery upon publication. Call, 703-243-2800 to place your order, or order online at [www.aapspharmaceutica.com/publications/press](http://www.aapspharmaceutica.com/publications/press).

## Calling All Authors!

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## New this Summer!

### AAPS PT Summer Conference: Optimizing the Global Clinical Supplies Process

August 15-20, 2004  
Hilton Philadelphia/Cherry Hill  
Cherry Hill, NJ

For more information, please go to [www.aapspharmaceutica.com/meetings](http://www.aapspharmaceutica.com/meetings)



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## AAPS—NIDA Frontiers in Science Symposium Drug Addiction: From Basic Research to Therapies

September 9 - 11, 2004  
National Institutes of Health Campus  
Natcher Auditorium, Bethesda, MD  
Co-Sponsored by: NIII



Drug addiction is a major societal problem today, with staggering costs incurred by the individual and society as a whole. Progress at the basic science level has been impressive, but treatment of addiction remains a daunting challenge. On the other hand, insights into neurobiological mechanisms underlying addiction have spurred novel treatments of related disorders, such as neurodegeneration and pain. This conference will focus on the translation of fundamental addiction research to a variety of treatments, bringing together scientists in molecular biology, genetics, and neurosciences with researchers in pharmacogenetics, pharmaceutical chemistry, drug targeting and development, and quantitative therapeutics. Participation by scientists from industry will serve to highlight new therapies currently under commercial development. For more information, please go to [www.aapspharmaceutica.com/frontiers](http://www.aapspharmaceutica.com/frontiers).

## Have an Idea for a Meeting?

To submit a proposal for a workshop or themed meeting, use the submission form at [www.aapspharmaceutica.com/meetings/meeting\\_proposal.asp](http://www.aapspharmaceutica.com/meetings/meeting_proposal.asp).

## AAPS Workshop: Optimization of Drug Like Properties During Lead Optimization

September 19-22, 2004  
Hilton Parsippany  
Parsippany, NJ

Drug discovery and development is an increasingly difficult and expensive undertaking. One difficulty is that drug candidates have a high rate of failure during discovery and development. One reason for this failure is the lack of drug-like properties of candidate compounds. In development, inadequate properties result in insufficient bioavailability and pharmacokinetics performance, and in discovery they result in inadequate and/or improper evaluation of the biological activity. As a consequence, potentially useful drug candidates may be discarded prematurely or too much time may be spent on biological activity of drug candidates that are not likely to result in efficacious

therapeutic agents. This workshop will contribute to the field by focusing on procedures for prediction, measurement, and application of compound properties to actively optimize lead candidate performance. For more information, please go to [www.aapspharmaceutica.com/meetings](http://www.aapspharmaceutica.com/meetings).

## AAPS Offers Distance Learning Opportunities

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## Upcoming AAPS Meetings

Log onto [www.aapspharmaceutica.com/meetings](http://www.aapspharmaceutica.com/meetings) for the latest meeting and registration details.

### ► August, 15-20, 2004

AAPS PT Summer Conference  
Hilton Philadelphia/Cherry Hill, Philadelphia, PA

### ► September 9-11, 2004

AAPS—NIDA Frontiers in Science Symposium  
Drug Addiction: From Basic Research to Therapies  
Co-Sponsored with NIH  
National Institute of Health Campus, Natcher Auditorium  
Bethesda, MD

### ► September 19-22, 2004

AAPS Workshop on Optimization of Drug Like  
Properties During Lead Optimization  
Hilton Parsippany, Parsippany, NJ

### ► November 7-11, 2004

2004 AAPS Annual Meeting and Exposition  
Baltimore Convention Center, Baltimore, MD

