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AAPS Connection

American Association of Pharmaceutical Scientists January 2012

AAPS Membership Dues Change

The AAPS Executive Council has approved an annual membership dues increase for all members including electronic subscriptions. Effective January 1, 2012, regular membership dues will increase from $145 to $165, retired memberships from $50 to $60, student and post-doctoral fellows from $30 to $40, and eSubscribers from $55 to $65. For over 25 years AAPS has provided a substantial array of services and membership benefits to the pharmaceutical sciences community. Members enjoy timely educational programming, networking, numerous professional development opportunities, quality publications, and much more. This membership dues increase will help AAPS continue to enhance incentives, benefits, and services for members. Just a few of these initiatives include exclusive members-only access to AAPS webinars, special member prices for our new online training courses, and the establishment of members-only collaborative spaces on the re-designed AAPS website. We look forward to providing an even more substantial return on your investment.

For additional information regarding AAPS membership benefits, please visit our website at www.aaps.org or contact Member Services at 1-877-998-AAPS.

A New Generation of AAPS Webinars for 2012!

At the direction of the AAPS Executive Council, a number of changes will be made to our webinar structure effective January 2012. We will be switching to a different provider and eLearning platform. We anticipate that the quality of our webinars will be significantly improved, with better audio and video, fewer security and firewall issues, a simplified login, and other enhancements. Webinars will continue to be offered free of charge to all regular AAPS members, including full-time graduate/undergraduate students, postdoctoral fellows, and retired members. AAPS eSubscribers will need to upgrade to a regular membership to attend live webinars. However, they will be able to view the archived replay after a one-month embargo period. AAPS is delighted at the opportunity to continue providing this highly successful eLearning benefit to its members at no charge.

For more information on the AAPS webinars, please visit www.aaps.org/webinars.

47th Annual Pharmaceutical Technologies Arden Conference: Nanoscience in Pharmaceuticals: Translating Fundamental Understanding to Practical Application in Drug and Device Development

March 11–14, 2012
The Thayer Hotel, West Point, N.Y.

The unique physicochemical properties of materials on the nanoscale introduce certain challenges into most aspects of pharmaceutical R&D. For example, the ADMET properties of compounds administered as nanoparticles are very different from the same molecules dosed using macro- and microparticulate systems for reasons directly attributable to

their size and surface chemistry. Fundamental understanding of the chemistry and engineering of nanomaterials and nanoparticles and relation to their in vitro/in vivo performance along with manufacturing and toxicity considerations is critical to their wider acceptance and applications in drug and device development. Promising scientific strategies and approaches such as those that combine disease diagnosis with therapy (nanotheragnostics) and delivery systems for small molecules and macromolecules are progressing from bench to clinic to commercialization with the potential to profoundly affect human health. Particular emphasis will be placed on establishing and distinguishing among what is being accomplished now based on marketed products and what is feasible based on drugs and devices and combinations thereof in clinical and preclinical development. Emerging nanotherapeutics and nanodevices based on early preclinical data will be included in the discussion. There are safety concerns on the interaction of nanomaterials and nanoparticles with the human body. Other areas of concern and future development are nanoparticle pharmacokinetics, formulation, and process development and manufacturing. Quality control and regulatory aspects of nanopharmaceuticals will be highlighted throughout the conference and specifically discussed towards the end in a regulatory roundtable.

For more information visit www.aaps.org/Arden2012.

AAPS Workshop on Lipid-Based Delivery for Improving Drug Absorption: Mechanistic Understanding and Practical Approaches

April 23–24, 2012
Sheraton Inner Harbor Hotel, Baltimore

The goal of this workshop is to update participants on the present state-of-the-art lipid-based drug delivery.

The use of lipid-based drug delivery systems (LBDDS) for oral delivery is increasing, both as a result of the increasing number of poorly soluble drugs in development the resent success of lipid-based systems for the delivery of peptides and proteins.

The workshop will be divided into four parts focusing on the concepts and principles of LBDDS, predictive tools for development of LBDDS, practical approaches to formulate LBDDS, and the use of lipid to increase drug permeability.

For more information visit www.aaps.org/Lipids.

AAPS Workshop on Formulation Strategies for Nonparenteral Drug Delivery of Biotherapeutics

May 19–20, 2012
Sheraton San Diego Hotel and Marina, San Diego

Unfavorable physiochemical and pharmacokinetic properties of therapeutic peptides, proteins, and nucleic acids represent unique challenges for the development of safe and efficacious medications intended for human use. Inherent instability, combined with the macromolecular nature of this class of biotherapeutics, most often translates into preparation of lyophilized parenteral formulations. Since parenteral administration bypasses important protective barriers of the body, manufacturers have to comply with the highest FDA standards associated with parenteral drug delivery systems. This limits the use of formulation excipients and significantly increases the cost of goods. Furthermore, patients do not prefer parenteral dosage forms, as they are invasive and less suitable for self administration. Over the past decade, novel scientific concepts have been explored to develop nonparenteral formulations for biotherapeutics that produce acceptable

therapeutic efficacy. The primary objective of the workshop is to highlight promising approaches that have emerged from these efforts (e.g., oral, nasal, and pulmonary delivery systems) and successfully entered clinical development.

For more information visit www.aaps.org/Formulation.

AAPS Workshop on Clinical Pharmacology and ADME Biotherapeutic Proteins

May 19–20, 2012
Sheraton San Diego Hotel and Marina, San Diego

This workshop will provide the current best practices in clinical pharmacology of biotherapeutic proteins by experts from industry, academia, and regulatory colleagues and discuss challenges we are facing. The emphasis will be on monoclonal antibodies and antibody-drug conjugates and cover topics such as FIH study design, QT assessment, pharmacokinetic characterization, bioanalytical assays, therapeutic protein-drug interactions, QT risk assessment, and immunogenicity testing. Additionally, traditional clinical pharmacology aspects, including special populations (paediatrics, hepatic and renal impairment) and ADME characterization, will be reviewed, as well as regulatory expectations in this area.

For more information visit www.aaps.org/ClinPharm.

Upcoming AAPS Meetings

Log onto www.aaps.org/meetings for details.

- March 11-14, 2012
  47th Annual Pharmaceutical Technologies Arden Conference: Nanoscience in Pharmaceuticals: Translating Fundamental Understanding to Practical Application in Drug and Device Development
  The Thayer Hotel, West Point, N.Y.
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  AAPS Workshop on Lipid-based Delivery for Improving Drug Absorption: Mechanistic Understanding and Practical Approaches
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  Sheraton San Diego Hotel and Marina, San Diego
- May 19-20, 2012
  AAPS Workshop on Clinical Pharmacology and ADME Biotherapeutic Proteins
  Sheraton San Diego Hotel and Marina, San Diego
- May 19-20, 2012
  Immunogenicity Training Course II – Advanced Topics in Evaluation of the Immunogenicity of Biotherapeutics
  Sheraton San Diego Hotel and Marina, San Diego
- May 21-23, 2012
  2012 AAPS National Biotechnology Conference
  Sheraton San Diego Hotel and Marina, San Diego