



Connection

Developing Science,
Impacting Health

American Association of Pharmaceutical Scientists

December 2015

AAPS 101: UNDERSTANDING YOUR MEMBER BENEFITS

www.aaps.org/members/

There has never been a more exciting time to be part of the open exchange of knowledge from pharmaceutical scientists in academia, industry, government, and other institutions worldwide. As the foremost international, inter-disciplinary community of pharmaceutical scientists, AAPS membership puts you at the center of it all and gives you the access to people, information, and opportunities that will strengthen your career.

Are you leveraging your AAPS membership to the maximum? AAPS offers numerous valuable resources, many of which you may not be aware of. To help familiarize you with our resources, AAPS recently added a new online tutorial, AAPS 101: Understanding Your Member Benefits. This interactive guide is sure to help you make the most of your membership investment.

AAPS 101 provides an orientation to resources such as our industry-related webinars, discount registration to AAPS meetings and workshops, online scientific journals, the AAPS Career Center, and much more. Additionally, nonmembers can learn about AAPS benefits and determine which may be the most beneficial to them.

Taking advantage of your AAPS membership can provide the skills, knowledge, and abilities that your company desires. Through educational and networking opportunities, pharmaceutical colleagues can learn new ideas and find solutions their company currently seeks.

If you're ready to get connected and leverage your AAPS membership to the maximum, contact AAPS Member Services at +1-877-998-AAPS to get started today!

AAPS' OPEN ACCESS JOURNAL

AAPS Open (eISSN 2364–9534) provides a global forum for the rapid and barrier-free publication of reports of original

research and other significant scientific work across the breadth of pharmaceutical sciences. This open access journal is freely available to anyone with Web access and is funded by author publication charges on manuscripts accepted for publication.

AAPS Open is a fully peer-reviewed journal led by Christopher M. Riley, Ph.D., and an editorial board of well-qualified researchers. The journal is open to all submissions and publishes manuscripts from across the field that are technically sound.

For more information, visit www.aaps.org/AAPSOpen/

AAPS WORKSHOP ON ACCELERATING PHARMACEUTICAL DEVELOPMENT USING PREDICTIVE STABILITY

April 4–5, 2016
USP Meeting Center, Rockville, Md.

Goals and Objectives

The pharmaceutical industry continues to face increasing number of complex organic molecules with intractable biopharmaceutical properties due to inadequate aqueous solubility. It has been recognized that several formulation approaches can be undertaken to overcome limitations of aqueous solubility. It is also recognized that utilization of amorphous state is fundamentally a universal approach to enhancing dissolution and apparent solubility. However, there are several challenges associated with advancing amorphous drugs as they are inherently, thermodynamically unstable. Consequently, polymeric excipients have been utilized to kinetically stabilize amorphous pharmaceuticals in solid state as well as supersaturated solutions.

Despite the significant investments in continuous manufacturing development over the last decade and fast pace of industry uptake, the significant potential of continuous manufacturing has not yet been exploited. Fortunately, however, significant

momentum has been building for several years, and a number of academia and industry companies are actively working to implement continuous manufacturing for oral solid dosage forms.

This conference will provide an up-to-date and in-depth understanding of the basic physics of the amorphous state; approaches for kinetic stabilization of amorphous pharmaceuticals with polymeric excipients to formulate solid dispersions; behavior of supersaturated solutions of solid dispersions; options for manufacturing of solid dispersions using different technologies and process modeling; and the characterization of *in vitro* and *in vivo* performance of solid dispersions. The conference will also provide a forum for large and pharmaceutical industries, excipient vendors, contract manufacturing organizations, academia and regulatory agencies to engage in discussion to develop and utilize solid dispersions with confidence to support drug selection, drug development from toxicology studies to commercial solid dosage forms.

For more information, visit www.aaps.org/APD

AAPS/ITC JOINT WORKSHOP ON DRUG TRANSPORTERS IN ADME: FROM THE BENCH TO THE BEDSIDE

April 18–19, 2016

Renaissance Baltimore Harborplace Hotel Baltimore

Goals and Objectives

Drug transporter research continues to grow at an unprecedented pace. These rapid advances have been driven, in part, by the emergence of regulatory guidance documents from the FDA, EMA and PMDA in the last 5 years. Although considerable progress has been made over the past 20 years, the field of drug transport continues to evolve, particularly with respect to clinical translation of pre-clinical (i.e., *in vitro*, *in vivo*, *in silico*) data, understanding the role of transporter polymorphisms on drug pharmacokinetics, molecular machinery involved in regulation of drug transporters, and the role of transporters in health and disease. The AAPS workshop in 2016 aims to continue on the success of preceding AAPS workshops on drug transporters in ADME meetings (2003, 2005, 2007, 2009, 2011, 2013) to provide an opportunity for pharmaceutical scientists to exchange ideas and learn novel/cutting edge science in a focused and “state-of-the-art” meeting.

For more information, visit www.aaps.org/Transporters16

AAPS 51ST ARDEN CONFERENCE: CONTEMPORARY PERSPECTIVES ON DEVELOPING AMORPHOUS PHARMACEUTICALS

April 18–20, 2016

Renaissance Baltimore Harborplace Hotel Baltimore

Goals and Objectives

The pharmaceutical industry continues to face increasing number of complex organic molecules with intractable biopharmaceutical properties due to inadequate aqueous solubility. It has been recognized that several formulation approaches can be undertaken to overcome limitations of aqueous solubility. It is also recognized that utilization of amorphous state is fundamentally a universal approach to enhancing dissolution and apparent solubility. However, there are several challenges associated with advancing amorphous drugs as they are inherently, thermodynamically unstable. Consequently, polymeric excipients have been utilized to kinetically stabilize amorphous pharmaceuticals in solid state as well as supersaturated solutions.

Despite the significant investments in continuous manufacturing development over the last decade and fast pace of industry uptake, the significant potential of continuous manufacturing has not yet been exploited. Fortunately, however, significant momentum has been building for several years, and a number of academia and industry companies are actively working to implement continuous manufacturing for oral solid dosage forms.

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For more information, visit www.aaps.org/Arden

UPCOMING AAPS MEETINGS

www.aaps.org/AAPSEvents/

April 4–5, 2016

AAPS Workshop on Accelerating Pharmaceutical Development Using Predictive Stability Approaches United States Pharmacopeial (USP) Convention Meeting Center, Rockville, Md.

April 18–20, 2016

AAPS/ITC Joint Workshop on Drug Transporters in ADME: From the Bench to the Bedside Renaissance Baltimore Harborplace Hotel, Baltimore, Md.

April 18–20, 2016

51st AAPS Arden Conference: Contemporary Perspectives on Developing Amorphous Pharmaceuticals Renaissance Baltimore Harborplace Hotel, Baltimore, Md.

May 14, 2016

AAPS Workshop on The Totality of Evidence in Biosimilar Development Program Sheraton Boston Hotel, Boston

May 14–15, 2016

AAPS Workshop on Advanced Topics in Ligand Binding Assay Technologies Sheraton Boston Hotel, Boston

May 14–15, 2016

AAPS Workshop on Clinical Pharmacology of Biotherapeutics Sheraton Boston Hotel, Boston

May 14–15, 2016

AAPS Workshop on Advanced Bioanalytical Methods for Quantification of Biotherapeutics Sheraton Boston Hotel, Boston

May 16–18, 2016

2016 AAPS National Biotechnology Conference Sheraton Boston Hotel, Boston



AAPS Connection

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