

Meeting Report: Controlled and Modified Drug Release

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The Inaugural Controlled and Modified Drug Release Conference took place in Philadelphia, PA, on May 7 and 8, 2014. This conference provided case studies and take-home examples of the latest technologies and methods for improving drug release mechanisms. Additionally, the workshop provided the latest regulatory guidance update and the implications for industry. This conference had excellent audience participation and a variety of speakers and topics. The program is listed below.

There were also two preconference workshops on May 7, 2014. Duk Soon Choi, Ph.D., and Navnit Shah, Ph.D., both of Kashiv Pharma, presented Workshop A. The topic was Imaging and Characterization Techniques for Drug Delivery: Systems and Targeted Drug Delivery. Jim Jingjun Huang, Ph.D., of Ascendia Pharmaceutical, presented Workshop B. The topic was Rational Design of Drug Delivery Systems for Poorly Water Soluble Drugs.

The second conference on Controlled and Modified Drug Release will be held on May 6–7, 2015, in Philadelphia, PA. For more information, visit www.curtiscoulter.com.

Date	Speaker	Topic
7 May 2014	Steven Sutton, Ph.D. University of New England	Opening Discussion: Regulatory Challenges and Opportunities for the Future of Controlled & Modified Release
	Sherry Ku, Ph.D. TWi Biotech & TWi Pharmaceuticals	Understanding and Establishing the Right Considerations for IVIVC Correlations
	Mengwei Hu, Ph.D. Merck & Co.	Pre-investment in Controlled Release: Discovery Controlled Release: Assessment and Formulation Strategies
	Jon Mole Sirius Analytical, Inc.	Automated Measurements of Supersaturation, Biphasic Dissolution and Lipolysis
	Ravi Shanker, Ph.D. Pfizer, Inc.	Improving Oral Bioavailability for Poorly Water-soluble Drug Candidates
	Able A. Creasey, Ph.D. Janssen Research & Development	Successful Delivery of Small and Large Molecules using Polymers and in Localized/Sustained Release Manner
	Vikas Agarwai, Ph.D. Taris Biomedical	Controlled Local Delivery of Drugs to the Urinary Bladder
8 May 2014	Steven C. Sutton, Ph.D. University of New England	Predictive Animal Models for Assessing Long-Acting Formulations for Human and Animal Health
	Michael J. Valazza, R.Ph. Catalent Pharma Solutions	Advanced Technologies for Enabling Better Treatments through Oral Drug Delivery
	Weijia Zheng, Ph.D. AstraZeneca	Application of Controlled release Approaches in Preclinical Stage
	James DiNunzio, Ph.D. Merck & Co.	New Formulations Hot-Melt Extrusion Technology Development to Optimize Sustained Delivery
	Daniel Schweizer, Ph.D. Novartis AG	Sustained Delivery of Therapeutic Antibodies
	Der-Yang Lee, Ph.D. Johnson & Johnson Consumer & Personal Products	Drug Delivery Applications of Ion Exchange Resins
	Michelle Howard-Sparks, Ph.D. Zafgen, Inc.	Examining the Use of Nanoparticles for Modified release and Targeted Delivery for Compounds of Poor Solubility and Permeability
	Jin Zhang, Ph.D. Novartis Pharmaceuticals Corporation	Combining In-Vivo Animal Models with Physiologically Based Pharmacokinetics (PBPK) Modeling to Effectively Develop Modified Release Dosage Forms
	Vrushali Wanknis, Ph.D. Bristol-Myers Squibb	Controlled Drug Release using Biodegradable Polymers
	S. Kamal Jonnalagadda, Ph.D. Philadelphia College of Pharmacy, University of the Sciences	
Jeffrey Liu, Ph.D. GlaxoSmithKline	Developing New Sustained-Release Formulations via Exploiting In-Vivo Modeling & Simulations (IVMS)	