

AAPS 2014 Presentation Guide

Tuesday, November 4th

Novel Lipophilic Salts of Atazanavir for Improved Drug Loading in Lipid Vehicles: A Joint Presentation with Capsugel and BMS

PRESENTING AUTHOR: Xue-Qing Chen	SUBMISSION AUTHORS: Xue-Qing Chen, Mike Morgen, Warren Miller, Gajendra Chohan, Anoop Kumar, Ajay Saxena, Sheelendra Singh, Sridhar Desikan, Sandhya Mandlekar, Ching Su, Roy Haskell, Olafur Gudmundsson, Michael Hageman	POSTER NUMBER: T2065	TIME: 9:30AM - 12:30PM
-------------------------------------	---	-------------------------	---------------------------

Capsules for Dry Powder Inhalation – Performance Evaluation of Different Capsules with Various Inhalation Devices

PRESENTING AUTHOR: Dominique Cadé	SUBMISSION AUTHORS: Claire Tardy, Magali Baudoin, Dominique Cadé	POSTER NUMBER: T3174	TIME: 1:30PM - 5:00PM
--------------------------------------	---	-------------------------	--------------------------

Development of Taste-Masking Fexofenadine Lipid Multiparticulate for Pediatric Use

PRESENTING AUTHOR: Hassan Benameur	SUBMISSION AUTHORS: Aurélien Sivert, Chloe Labeye, Diane Ertel, Hywel Williams, Jan Vertommen, Hassan Benameur	POSTER NUMBER: T3224	TIME: 1:30PM - 5:00PM
---------------------------------------	---	-------------------------	--------------------------

Synthesis of Spray-Dried Nanocrystals by a Single Step Flash Precipitation Spray Drying Process

PRESENTING AUTHOR: Aaron Goodwin	SUBMISSION AUTHORS: Vikram Pansare, Aaron Goodwin, Ron Beyerinck, David Vodak, Dwayne Friesen, Robert Prud'homme	POSTER NUMBER: T3108	TIME: 1:30PM - 5:00PM
-------------------------------------	---	-------------------------	--------------------------

Wednesday, November 5th

Alcohol Dose Dumping for Controlled Release Formulations: Is DRcaps® Acid Resistant Capsule an Option?

PRESENTING AUTHOR: Dominique Cadé	SUBMISSION AUTHORS: Dominique Cadé, Elisabeth Groshens, Xiongwei He	POSTER NUMBER: W4029	TIME: 9:30AM - 12:30PM
--------------------------------------	--	-------------------------	---------------------------

Drug Substance Containment Approaches for New Processes on Legacy Equipment

PRESENTING AUTHOR: Alyn McNaughton	SUBMISSION AUTHORS: Alyn McNaughton, Jose Mosquera, James Johnston, Massoud Bakhshae	POSTER NUMBER: W4370	TIME: 9:30AM - 12:30PM
---------------------------------------	---	-------------------------	---------------------------

Dry Coating Based Surface Modification of Amorphous Spray Dried Dispersions to Improve Powder Flowability through Densification and Particle Cohesion Reduction

PRESENTING AUTHOR: Aaron Goodwin	SUBMISSION AUTHORS: Aaron Goodwin, Charlie McLaughlin, William Steinhaff, Randy Wald	POSTER NUMBER: W4333	TIME: 9:30AM - 12:30PM
-------------------------------------	---	-------------------------	---------------------------

Use of Flory-Huggins (FH) Theory to Predict Effect of Drug Load on Thermodynamic Stability of Binary Systems

PRESENTING AUTHOR: Piero Piccinni	SUBMISSION AUTHORS: Piero Piccinni, Jane Fraser, David Jones, Stephen Brown, Gavin Andrews	POSTER NUMBER: W4128	TIME: 9:30AM - 12:30PM
--------------------------------------	---	-------------------------	---------------------------

Validating the Commercial Performance of an Innovative New Sprinkle Capsule Design for Pediatric and Geriatric Use

PRESENTING AUTHOR: Missy Lowery	SUBMISSION AUTHORS: Stef Vanquickenborne, Missy Lowery, Catherine Lehmann, Martha Cope	POSTER NUMBER: W4362	TIME: 9:30AM - 12:30PM
------------------------------------	---	-------------------------	---------------------------

DRcaps® Capsules Banding for Improved Acid Resistance

PRESENTING AUTHOR: Dominique Cadé	SUBMISSION AUTHORS: Xiongwei He, Isabelle Remondiere, Dominique Cadé	POSTER NUMBER: W5132	TIME: 1:30PM - 4:30PM
--------------------------------------	---	-------------------------	--------------------------

AAPS 2014 Presentation Guide

Multi-compartment Hard Capsule and Potential Applications

PRESENTING AUTHOR:	SUBMISSION AUTHORS:	POSTER NUMBER:	TIME:
Dominique Cadé	Xiongwei He, Isabelle Remondiere, Dominique Cadé	W5133	1:30PM - 4:30PM

Novel HPMC Capsules Display Acid Resistance Behaviour – A Scintigraphic Imaging Study: A Joint Presentation with Capsugel and Bio-Images

PRESENTING AUTHOR:	SUBMISSION AUTHORS:	POSTER NUMBER:	TIME:
Howard Stevens	Lee Ann Hodges, Sarah Connolly, Dominique Cadé, Chang Lee, Howard Stevens	W5173	1:30PM - 4:30PM

Thursday, November 6th

Designer Modified Release Microspheres for Preclinical Drug Discovery Research - *In Vivo* Performance: A Joint Presentation with Capsugel and BMS

PRESENTING AUTHOR:	SUBMISSION AUTHORS:	POSTER NUMBER:	TIME:
Kim Tye	Kim Tye, Mike Morgen, Matt Shaffer, Brice Murri	R6062	8:30AM - 11:30AM

Development of an Accelerated Stability Test: Application of Thermoanalytical Methods to Predict Crystallization of Amorphous Ternary Systems

PRESENTING AUTHOR:	SUBMISSION AUTHORS:	POSTER NUMBER:	TIME:
Piero Piccinni	Piero Piccinni, Jane Fraser, David Jones, Stephen Brown, Gavin Andrews	R6098	8:30AM - 11:30AM

Feasibility Studies for 505(b)(2) Product Development of Three BCS Class II Compounds Using Lipid-Based Formulations

PRESENTING AUTHOR:	SUBMISSION AUTHORS:	POSTER NUMBER:	TIME:
Prashant Agarwal	Prashant Agarwal, Hywel Williams, Pietro Treviso, Eduardo Jule	R6225	8:30AM - 11:30AM

Hard Capsules for Vaginal Applications

PRESENTING AUTHOR:	SUBMISSION AUTHORS:	POSTER NUMBER:	TIME:
Dominique Cadé	Hugues Straub, Dominique Cadé, Laurence Canu, Charlene Picon	R6248	8:30AM - 11:30AM

Lipid-Based Capsule Products to Increase Bioavailability and Reduce Food Effect for a Poorly Soluble Compound

PRESENTING AUTHOR:	SUBMISSION AUTHORS:	POSTER NUMBER:	TIME:
Annabel Igonin	Annabel Igonin, Jurgen Mensch, Sabine Inghelbrecht, Jens Ceulemans, Hassan Benameur, Hans Vermeersch, Jan Vertommen	R6154	8:30AM - 11:30AM

Lipid Multiparticulates (LMPs) for Improving Intestinal Absorption of Low Solubility Compounds: *In Vitro* Digestion as a Tool to Support Formulation Design and Mechanisms of Solubilization

PRESENTING AUTHOR:	SUBMISSION AUTHORS:	POSTER NUMBER:	TIME:
Hywel Williams	Jason LePree, Hywel Williams, Chris Diorio, Eric Ehrnsperger, Brian Malone, John Lokhnauth	R6226	8:30AM - 11:30AM

Lipid Multiparticulates Physical and Chemical Instabilities, an Unresolved Issue?

PRESENTING AUTHOR:	SUBMISSION AUTHORS:	POSTER NUMBER:	TIME:
Simon Pondaven	Simon Pondaven, Hywel Williams, C. Labeye, Hassan Benameur	R6318	8:30AM - 11:30AM

NMR and IGC Analysis of the Concentration Dependence of HPMCAS Polymer Dynamics to Inform Droplet Drying Models for Spray Dried Dispersions

PRESENTING AUTHOR:	SUBMISSION AUTHORS:	POSTER NUMBER:	TIME:
David Vodak	Amber Broadbent, David Vodak, Richard Falk, Nathan Williamson, Joseph Seymour, Sarah Codd, Justin Moser, Ronald Danner	R6267	8:30AM - 11:30AM

Capsugel Expert Seminars

Room 1B – 3rd on the Upper Level of the San Diego Convention Center
Monday, November 3rd

11:00 AM – 11:45 AM

Enlarging the Design Space: Optimizing Development in Solid Oral and Pulmonary Applications with a Novel New Capsule

PRESENTERS:	ABSTRACT
Matt Richardson and Dominique Cadé	Polymer science and engineering have opened a new era of functional development, which offers the potential for selecting the right capsule for different APIs. New HPMC capsules represent a unique and valuable contribution – they dissolve quickly and predictably at different pH levels and are independent of cations and other food components. This webinar will provide an in-depth update on the oral and pulmonary application of this new generation.

12:00 PM – 12:45 PM

Top 10 Tips for Formulators and Manufacturing to Optimize Encapsulation

PRESENTERS:	ABSTRACT
Paul Davis and John Davidson	The path to successful encapsulation starts in the lab, not on the factory floor. Black Belt Quality and Encapsulation engineers will share 10 top tips for ensuring success from scale up through commercialization.

1:00 PM – 1:45 PM

Capsugel Innovation in Pediatric and Geriatric Drug Delivery

PRESENTER:	ABSTRACT
Hywel Williams	New lipid multiparticulate (LMP) technology offers the combined benefits of lipid-based formulations and multiparticulate (MP) drug delivery. LMPs are formulated from a range of GRAS lipid excipients to provide bioavailability enhancement (BAE), taste-masking and/or extended release, and complement Capsugel's premier range of BAE and MP technologies. Coni-Snap® Sprinkle capsules have been engineered for ease of opening to facilitate dosing with food for patient populations with swallowing issues. In this seminar, the integrated offering of LMP technology and specialized capsules will be presented along with representative case studies.

2:00 PM – 2:45 PM

Using Engineered Particles in Capsules for Rapid-to-Clinic Dry Powder Inhalation Applications

PRESENTERS:	ABSTRACT
Jeff Breit and Dominique Cadé	Particle engineering via spray drying combined with formulation and process platform are innovating delivery to the lung versus traditional crystalline lactose based systems. Developers today can easily target upper respiratory tract versus deep lung through particle engineering. Presentation will describe a pulmonary platform technology for the rapid development of inhaled formulations.

3:00 PM – 3:45 PM

Optimizing Technology Choice to Enhance Bioavailability

PRESENTER:	ABSTRACT
David Lyon	Many active compounds require functional formulation to improve efficacy. With an expanding array of technologies combined with the need to save time and drug in early development, choice of the right drug delivery approach can be daunting. This describes an efficient strategy for matching enabling technologies to product concepts based on PK/PD, physicochemical properties and the target profile.