

Lisbon

Portugal, 30 March to 03 April 2014

4 days PBP World Meeting means

- 44 invited speakers from industry and academia
- 66 short lectures on hot topics
- More than 900 scientific poster presentations
- Industry exhibition ResearchPharm®
- A social programme to remember



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Programme at a glance

Monday, 31 March 2014

13:00 Opening ceremony and welcome address

Portuguese University and Government Representatives

Jörg Breitzkreutz
Franco Alhaique
Jürgen Siepmann
João Pinto

14:30 Keynote lectures

Horizon 2020 - The European research funding programme
Maria da Graça Carvalho, European Commission, Belgium

Industry trends towards 2020
Guy Villax, Hovione, Portugal

15:30 Coffee Break

16:00 Hot Topics

Drug Counterfeiting
Frédéric Bourgeois, Sanofi, France

Opportunities and challenges in strategical outsourcing
Hans Lindner, Bayer Pharma, Germany
Jean Cuiné, NextPharma, United Kingdom

18:00 Welcome reception

	Pavilion 4 and Pavilion 5	Auditorium I	Auditorium VI	Auditorium VII	Auditorium VIII
	Poster Sessions and ResearchPharm	Symposium: Solid Dosage Forms	Short lectures: Protein & Nucleotide Formulations	Symposium: Advanced Analytics	Short lectures: Dermal and Transdermal Delivery
09:00	Nanoparticles: Lipid Nanocarrier	Oral controlled drug delivery C. von Corswant	Physicochemical and biological studies of cationic nanoemulsions as delivery systems for antimalarial oligonucleotides F. Bruxel	Advanced synchrotron-based imaging techniques to support the formulation, manufacturing processes and evaluation of drug effects J. Doucet	New insights into establishment and analysis of an improved human in vitro wound model M. Windbergs
09:20	Preformulation: Processes				
	Oral Delivery: Tablets and extrusion				
09:40	Controlled Drug Delivery: Polymers		Accelerated Formulation Studies for Frozen Storage of Proteins M. Rosa		Ex vivo and in vivo evaluation of the efficiency of calixarene formulations for the treatment of superficial wounds contaminated by uranium S. Grivés
	Pharmaceutical Manufacturing and Engineering				
10:00	Advanced Drug Delivery systems	Advances in controlled drug delivery from an academic perspective R. Bettini	Controlled nucleation combined with aggressive freeze-drying of highly concentrated protein formulations I. Konrad	In vivo imaging techniques C. Wilson	Tactile perception of topical formulation L. Ringstad
	Dermal and Transdermal Delivery				
10:20	Protein and gene delivery		MicroScale Thermophoresis (MST) for mAb Development and Formulation R. Wanner		Mometasone Furoate - loaded cold processed oil-in-water emulsions: in vitro and in vivo studies S. Raposo
	IVIVC				
10:40	Bioavailability and Absorption Enhancement		Chitosan-based nanogels for the cellular delivery of nucleotides and nucleotide analogues H. Hillaireau	Scanning white light interferometry (SWLI) N. Sandler	Ultrasmall NLC – improved dermal delivery of coenzyme Q10 C. M. Keck
	09:00 – 17:00; all day	Biopharmaceutical performance assessment of Solid dosage forms X. Pepin	Comparison of three nanovaccine formulations for their potential to induce and enhance immune responses against m. tuberculosis J. Poecheim		Characterization and in vitro skin penetration study of nicotinamide microemulsion P. Boonme
	11:30 Auditorium I APV Awards				
	11:45 Auditorium I Plenary lecture: Nanomedicines, Alexander ‘Sasha’ Kabanov				
	Poster Sessions and ResearchPharm	Symposium: Coated Dosage Forms	Short lectures: Pharmacokinetics & IVIV Correlations	Symposium: Protein Formulation & Aggregation	Short lectures: Liposomes & other advanced DDS
15:00	Nanoparticles: Lipid Nanocarrier	QbD and PAT tools for film coating A. Funke	Studying distribution and absorption processes after intramuscular injection using LC-MS/MS and MRI M. Probst	Freeze-drying of proteins: Quality by Design (QbD) in formulation and process design M. Pikal	Liposomal post-insertion features of HA-DPPE conjugate D. Cosco
15:20	Preformulation: Processes				
	Oral Delivery: Tablets and extrusion		Delivering crushed tablets using thickened fluids: salivary paracetamol concentrations indicate an effect on absorption C. Radhakrishnan		Microcontainers, an innovative oral drug delivery system for poorly soluble drugs L. Hagner Nielsen
15:40	Controlled Drug Delivery: Polymers				
	Pharmaceutical Manufacturing and Engineering				
16:00	Advanced Drug Delivery systems	GIT Delivery A. Basit	Intragastric volume and fat content changes after intake of high-caloric, high-fat breakfast in healthy human subjects investigated by MRI M. Koziolok	Formulation Development of new anti-body scaffolds S. Huille	Cross-linked chitosan/liposome hybrid systems for colon-targeted delivery of quercetin C. Caddeo
	Dermal and Transdermal Delivery				
16:20	Protein and gene delivery		Zein nanoparticles as carriers for the oral bioavailability of resveratrol R. Peñalva		Multimodal Theranostics of Tumoral Cells with Hybrid Nanoparticles P. Taboada
	IVIVC				
16:40	Bioavailability and Absorption Enhancement		Per-oral itraconazole nanocrystal formulations: superior in vitro dissolution not fully reflected to bioavailability A. Sarnes	Vaccine Design: Lyophilization and delivery J.-P. Amorij	How to develop a Self-Emulsifying Lipid Formulation for BCS class II drugs? V. Jannin
	09:00 – 17:00; all day	Coating of solid dosage forms C. Riedel	Smart ways to overcome the solubility hurdle and reduce time to market: enabling formulation technologies and In-Vitro/In-Vivo case studies G. Filipcsei		Polysaccharide Nanohydrogels as Drug Carriers P. Matricardi

	Pavilion 4 and Pavilion 5	Auditorium I	Auditorium VI	Auditorium VII	Auditorium VIII
	Poster Sessions and ResearchPharm	Symposium: Nanoparticles & Vesicles	Symposium: Continuous Manufacturing	Symposium: Patient-Centred Medicines	Short lectures: Controlled Drug Delivery
09:00	Nanoparticles: Polymers Prefomulation: Tableting and dissolution Oral Drug Delivery: Films and emulsions	Liposomal drug delivery systems: From concept to clinical applications Y. Perrie	Continuous wet granulation process including QbD & PAT M. Wunderlich	New guideline "Quality of paediatric medicines": Scientific evidence, key aspects and lessons learned D. van Riet-Nahles	Novel polysaccharide-based drug delivery systems targeting the inflamed colon: Proof of concept in vivo Y. Karrouit
09:20	Controlled Drug Delivery: pellets and tablets Pharmaceutical Manufacturing and Engineering Advanced Drug Delivery Systems				Development of Sustained and Pulsatile Release Co-Extrusion Formulations for Individual Dosing E. J. Laukamp
09:40	Physical Pharmacy Cellular drug transport Quality Assurance Regulatory Affairs	Nanosuspension technology: A versatile drug delivery platform R. Cavalli	Melt Extrusion Technology: Case studies M. A. Repka	Patient-centric drug formulation principles R. Becker	Laminar co-extrudates manufactured at room temperature and in the absence of solvents for the delivery of drugs at different release rates G. Oliveira
10:00	PAT and analytics 09:00 – 17:00; all day				Gabapentine and Flurbiprofen fixed-dose combination product: In Vitro and In Vivo drug release studies A. Rossi
10:20		Nanoparticle design and drug delivery P. Hammond	Comminutive Granulation - Continuous Manufacturing of Hot-Melt-Extruded Pellets R. K. Mürb	Formulation and packaging considerations in geriatric medicines T. Shreeves	Double hydrophilic block copolymer based-micelles as vectors to engineer tolerogenic dendritic cells A. Aubert-Pouëssel
10:40					Oil-cyclodextrin based beads for oral delivery of poorly-soluble drugs A. Bochot
11:30	Auditorium I EJPB Awards				
11:45	Auditorium I Plenary lecture: Personalized Medicine - Facts and Fiction, Susanne Arbogast				
	Poster Sessions and ResearchPharm	Symposium: Tissue Engineering & ATMP	Short lectures: Preformulation & Physical Pharmaceutics	Symposium: Green & Sustainable Pharma	Short lectures: Advanced Analytics
15:00	Nanoparticles: Polymers Prefomulation: Tableting and dissolution Oral Drug Delivery: Films and emulsions	Development and manufacturing of Advanced Therapy Medicinal Products (ATMP) M. L. Nolli	Prediction of physical stability of amorphous drugs from molecular mobility studies M. Paluch	Developing bio- and chemo-catalytic technology for API synthesis J. Whittall	Statistical process monitoring of a continuous pharmaceutical twin screw granulation and drying process A. F. Tavares da Silva
15:20	Controlled Drug Delivery: pellets and tablets Pharmaceutical Manufacturing and Engineering Advanced Drug Delivery Systems		Nanoformulated itraconazole prepared by various spinning methods Z. Nagy		Correlation between in-line Raman spectroscopy and spatial filtering velocimetry for particle size evaluation in fluidized bed coating processes F. Foltmann
15:40	Physical Pharmacy Cellular drug transport Quality Assurance Regulatory Affairs	Recent advances in tissue engineering R. L. Reis	ToF-SIMS analysis of hydrolysed acetyl salicylic acid printed as a microarray using ink-jet printing M. Algahtani	Industry case study: Energy and resource saving pharmaceutical manufacturing H. Krasowski	Prediction of the influence of supersaturation and precipitation on in-vivo absorption of a weak base – application of a bi-phasic dissolution model K. Frank
16:00	PAT and analytics 09:00 – 17:00; all day		General understanding of physical stability of pharmaceutical glasses K. Kawakami		Noninvasive in vivo Monitoring of in situ implants by ESR, multispectral optical Imaging and BT-NMR K. Mäder
16:20		Biomaterials as Therapeutic Cancer Vaccines D. J. Mooney	Highly tortuous scaffolds produced using vacuum-induced directional freezing S. Wiedemann	Green nanotechnology - A sustainable source towards the generation of new biopharmaceuticals K. V. Katti	PAT application in formulation technologies H. Pataki
16:40			The truncated sphere model with Voronoi extension enables simulations of confined powder compression at large strains A.-S. Persson		Coherent anti-Stokes Raman scattering (CARS) microscopy providing in depth imaging of drug loaded mesoporous MCM-41 silica A. Fussell

	Pavilion 4 and Pavilion 5	Auditorium I	Auditorium VI	Auditorium VII	Auditorium VIII
	Poster Sessions and ResearchPharm	Short lectures: Nanoparticles	Short lectures: Site-specific drug delivery	Symposium: Generics & Biosimilars	Symposium: Pharmaceutical Engineering
09:00	Nanoparticles: Liposomes and nano suspension	Tumor delivery performance study of lipid nanocapsules through FRET imaging A.-L. Lainé	Advantages of a novel water-soluble Cyclosporine A prodrug for ocular application: Improved availability and reduced side effects M. Rodriguez-Aller	Branded generics in emerging markets J. Figueiredo	The role of pharmaceutical engineering in product development J.-R. Authelin
09:20	Preformulation: Excipient				
	Oral Delivery				
	Controlled Drug Delivery	PEGylation of non-spherical particles and its influence on phagocytosis R. Mathaes	Direct nose-to-brain delivery of carbamazepine after intranasal administration to mice A. Serralheiro		
09:40	Pharmaceutical Manufacturing and Engineering				
	Advanced Drug Delivery Systems	Passive, active and magnetic targeting of multifunctional nanoparticles for therapeutic applications N. Schleich	Lung deposition pattern of a spray-dried powder in live mice using the Penn-Century™ DP-4M Insufflator W. Tonniss	Biosimilars, an opportunity and a challenge for the generic's industry J. Maset	Planning and construction of a new plant for parenterals A. Graser
	Green and Sustainable Pharma				
	Pulmonary and nasal delivery				
	Pediatric Drug Delivery				
10:00	Starting Materials	Dapivirine-loaded polymeric nanoparticles for the prevention of vaginal HIV transmission J. das Neves	pH-responsive Mannan-modified P(HEMA-co-MAA) Nano-hydrogel Carriers for Oral Vaccine Delivery M. Durán-Lobato		
	Buccal Drug Delivery				
	Parenteral Delivery				
10:20	Stability Testing	Successful delivery of itraconazole loaded poly(butylcyanoacrylate) nanospheres into the brain A. Curic	Pharmacokinetic and pharmacodynamic study of Paclitaxel-loaded lipid nanocapsules after iv and oral administration in rats, on Taxol® resistant tumor A.-C. Groo	Biosimilars or Biobetters? Lessons learned from the filgrastim portfolio H. Allgaier	From science to biopharmaceutical manufacturing D. Estape
	Advanced Therapy Medicinal Products				
	Miscellaneous				
10:40	09:00 – 17:00; all day	Anti-Abeta antibody decorated nanoparticles correct memory defect in Alzheimer's disease animal model K. Andrieux	A new dissolution method for orodispersible films and minitables R. Krampe		
	11:30 Auditorium I JDDST Awards				
	11:45 Auditorium I Plenary lecture: Overcoming drug biological barriers: from the cell membrane to the mucosa, Maria José Alonso				
	Poster Sessions and ResearchPharm	Short lectures: Oral Drug Delivery	Short lectures: Pharmaceutical Engineering & Green Manufacturing	Symposium: Skin, Nose & Lung Delivery	Symposium: Poorly Soluble Drugs
15:00	Nanoparticles: Liposomes and nano suspension	Taste-masked ibuprofen micropellets using an innovative spouted bed continuous pelletizing technology M. Guhmann	A user-friendly model for spray drying to aid pharmaceutical product development N. Grasmeijer	Drug Delivery into and through the skin R. Guy	Intestinal absorption studies (in vitro - ex vivo - in situ) P. Augustijns
	Preformulation: Excipient				
	Oral Delivery				
15:20	Controlled Drug Delivery	A new class of polymers to produce high-dosed sustained-release oral drug formulations via hot melt extrusion: Polyurethanes B. Claeys	Critical evaluation of root causes of the reduced compactability after roll compaction/dry granulation J. Mosig		
	Pharmaceutical Manufacturing and Engineering				
	Advanced Drug Delivery Systems				
15:40	Green and Sustainable Pharma	Evaluation of injection molding for the manufacturing of immediate release (IR) tablets A. Melocchi	Development of a Continuous Wet Granulation Process by Understanding Granule Properties A. Birkmire	Advances in pulmonary drug delivery K. Amighi	Cyclodextrins T. Loftsson
	Pulmonary and nasal delivery				
	Pediatric Drug Delivery				
	Starting Materials				
16:00	Buccal Drug Delivery	Prilling as Manufacturing Technique for Lipid/PEG Multiparticulates for Fixed-Dose Combinations A. Vervaek	Improving the uniformity of an active coating process by DEM simulations and experimental data G. Toschkoff		
	Parenteral Delivery				
	Stability Testing				
16:20	Advanced Therapy Medicinal Products	Hard fat as binder for child-appropriate, taste improved minitables C. Eckert	Green re-design of API production supported by Life Cycle Assessment D. Kralisch	Advances in intranasal drug delivery Speaker tbc	Nanocrystals J. Möschwitzer
	Miscellaneous				
16:40	09:00 – 17:00; all day	Childrens' preferences for tablets based on size, shape and colour H. Batchelor	Ecological Assessment of Pharmaceutical Production Processes in Multi Product Plants S. Scholl		