

Istanbul

Turkey 19th to 22nd March 2012



4 Days PBP means

- 40 invited speakers from industry and academia
- 72 short lectures on hot topics
- More than 850 scientific poster presentations
- Industry exhibition ResearchPharm
- A social programme to remember

ResearchPharm
International Exhibition for R&D



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Programme at a glance

Monday, 19th March 2012

- 13:00 Opening ceremony and welcome address
Towards a global drug development: Bridging Europe and Asia
David Tainsh, Senior Vice President & Global Head of Product Development, GlaxoSmithKline, Harlow, United Kingdom
- 15:00 Awards
APV Award for the most outstanding doctoral thesis in pharmaceutical sciences sponsored by BASF SE
APV Research Award for outstanding achievements in pharmaceutical sciences sponsored by Merck KGaA
EJPB Best Paper Award
- 16:00 Maurice Marie Janot Award Lecture
- 18:00 Welcome reception

	Foyer, First Floor, Dolmabahçe	Topkapi	Marmara	Anadolou	Haliç
	Poster Sessions and ResearchPharm	Symposium: Paediatrics	Symposium: Drug Counterfeiting	Short lectures: Nanoparticles	Short lectures: Drug Delivery
09:00	Solid Dosage Forms Dermal and Transdermal Semi-solid Dosage Forms Solubility Improvement Preformulation Proteins and Peptides In-Vitro and In-Vivo Regulatory Affairs (09:00 – 17:00 all day long)	New dosage forms and devices for children T. Sam	Political, economic and societal factors of drug counterfeiting J. Maurer	Uptake Mechanism of ApoE-Modified Nanoparticles across the Blood-Brain Barrier S. Wagner	Hydrogel Drug delivery systems for the controlled release of antibodies - Release studies in vitro and vivo S. Woehl-Bruhn
09:20		Evidence-based toxicity assessment of excipients C. Tuleu	Anti-counterfeiting technologies and processes J.-M. Bobée	Evaluation of polymeric nanoparticles endocytosis and transcytosis across an in IV model of human blood-brain barrier K. Andrieux	Local Delivery of Temozolomide against Lung Tumors and Development of Dry Powders for Inhalation N. Wauthoz
09:40				Enhanced gene delivery of chitosans for the rental gene therapy purposes J.-L. Zarate	Controlled release of tetracycline hydrochloride from an electrospun triple-layered PCL-PEVA-PCL nanofibre matrix N. Alhusein
10:00				Visualization of a novel micelle formulation after topical instillation on the eye: in vitro and in vivo qualitative and quantitative evaluations C. Di Tommaso	Absorption and Transport of Intelligent Protein Therapeutics N. Peppas
10:20		Learning from recent PIPs P. Franco	Suspect medicine packs: Which is genuine, which is counterfeit? H. Thoene	PLGA Nanoparticles meet the bronchial airways: How surface properties affect their interaction with mucus and epithelial cells S. Mura	Development of implantable polymeric device for long-term prevention of dirofilaria infection in dogs R. Dorati
10:40			Preparation and characterization of proteolytic enzyme-functionalized nanoparticles as mucus-penetrating delivery system C. Müller	CapsInject: LBL Coating Technology for Controlled Delivery of Biologicals O. Sakr	
11:30 Anadolou Plenary lecture: Quality by design: A review of progress and challenges, Ajaz Hussain					
	Poster Sessions and ResearchPharm	Symposium: Geriatrics	Symposium: Quality by Design	Short lectures: Nanoparticles	Short lectures: Drug Delivery
15:00	Solid Dosage Forms Dermal and Transdermal Semi-solid Dosage Forms Solubility Improvement Preformulation Proteins and Peptides In-Vitro and In-Vivo Regulatory Affairs (09:00 – 17:00 all day long)	Geriatric medicines in Europe F. Cerreta	Process Analytical Technology & Quality by Design: Why best-in-class analytics are essential? C. Cooney	Orally delivered lipid nanoparticles loaded with edelfosine inhibit extranodal dissemination in lymphoma-bearing mice M. Blanco-Pietro	Formulation Development of Thin (Edible) Film of Tramadol G. Duman
15:20		Swallowing issues in geriatrics patients and the impact for oral drug delivery S. Stegemann	Design and validation of a product manufacturing process in the context of PAT/QbD G. Muirhead	New self-assembling nanoparticles for bisphosphonate delivery in cancer G. De Rosa	Noninvasive in vivo evaluation of in situ forming implants by benchtop magnetic resonance imaging (BT-MRI) and ESR spectroscopy K. Mäder
15:40				Challenges in nanoparticulate drug delivery: What fate do polymeric micelles encounter upon injection? T. Miller	Second-generation delivery systems for intravesical therapy – Improved urothelial uptake via glycotargeted biorecognition L. Neutsch
16:00				Patient-centered devices G. Eichelkraut	Validation of novel analytics in the context of PAT/QbD S. Hammond
16:20				Quantitative characterization of nano-drug delivery systems intended for intracellular targeting D. Stepensky	Development of a new method to assess nanocrystal dissolution based on light scattering K. Anhalt
16:40			Polymer conformation in aqueous solution is critical for a DNA vector formation: Isothermal titration calorimetry and molecular dynamics disclose causes O. Samsonova	Dissolution of ranolazine ER tablets under standard and biorelevant test conditions G. Garbacz	

	Foyer, First Floor, Dolmabahçe	Topkapi	Marmara	Anadolou	Haliç
	Poster Sessions and ResearchPharm	Symposium: Oral Controlled Release Products	Symposium: Therapeutic Vaccination	Short lectures: Solid State Characterisation	Short lectures: Liposomes and Liquid Dosage Forms
09:00	Durg Delivery Excipients Drug Dissolution Biopharmaceuticals Pharmakocinetics Stability Analytics (09:00 – 17:00 all day long)	Advances and challenges in oral controlled drug delivery R. Bodmeier	Trends and challenges in vaccine development D. O'Hagan	Characterization of Co-amorphous binary blends of naproxen and indomethacin produced by quench cooling from the melt K. Loebmann	A lipid based system for the oral delivery of macromolecules G. Fricker
09:20				Quantification of amorphous content of re-crystallising indomethacin – Effect of analytical technique and correlation with dissolution behaviour P. Priemel	Nanoliposomes for therapy and diagnosis of Alzheimer disease F. Re
09:40		Oral controlled drug delivery systems from an industrial perspective H. Kranz	Vaccine excipients and formulation B. Baudner	In-line Raman spectroscopy to identify which process parameters can be used to adjust the size of drug nanocrystals formed during freeze-drying H. De Waard	Magnetic targeting of magnetic-fluid loaded liposomes to brain for MRI diagnosis and treatment of glioblastoma H. Marie
10:00				Process Induced Transformations (PITs) during tablet manufacturing: caffeine transition analysis with DSC and low frequency micro-Raman spectroscopy S. Hubert	Pulmonary glucocorticoid delivery by means of non phospholipid liposomes C. Marianecchi
10:20		Controlled drug delivery for pain management E. Galia	Formulation of viral vaccines A. Françon	Real-time monitoring of solid-state phase transformation of acoustically levitated particles using near infrared spectroscopy S. Rehder	In vitro studies on 5-florouracil loaded DTPA-PE containing nanosized PEGylated liposomes for diagnosis and treatment of tumour F. Liko
10:40			Theoretical and practical approaches to drug-polymer miscibility studies and the influence of preparation methods M. Pina	IVIVR between solubilisation in a two step lipolysis model and bioavailability in dogs for a conventional tablet and a Self Nano Emulsifying Drug Del. A. Lau Christiansen	
11:30 Anadolou Plenary lecture: Strength and limitations of nanomaterials for drug delivery and targeting, Patrick Couvreur					
	Poster Sessions and ResearchPharm	Symposium: Oral Products for Poorly Water Soluble Drugs	Symposium: Therapeutic Protein Modifications and Biological Relevance	Short lectures: Solid Dosage Forms	Short lectures: Dermal, Transdermal and Semi-solids
15:00	Durg Delivery Excipients Drug Dissolution Biopharmaceuticals Pharmakocinetics Stability Analytics (09:00 – 17:00 all day long)	Solid formulations for poorly water soluble drugs T. Rades	Posttranslational modifications of protein biopharmaceuticals G. Walsh	Co-extrusion as manufacturing technique for fixed-dose combination mini-matrices L. Dierickx	Self-assembled organogel dispersed systems: New materials for cosmetic and pharmaceutical applications P. Kirilov
15:20				Drug-printing on orodispersible films for the manufacturing of individualised medicine and for large scale production E.-M. Hoffmann	Nanocapsules for reduced permeability of mometason furate in topical hydrogels A. Melero
15:40		Lipid formulations for poorly water soluble drugs A. Muellertz	Carbohydrate optimized therapeutic proteins F. Bracht	Gel Together, the new dosage form for elders and patients with difficulty in swallowing S. Morimoto	Molecular structure of the stratum corneum lipid matrix: Impact of ceramides and influence of penetration enhancers based on biophysical investigation A. Schroeter
16:00		High throughput screening tools for poorly water soluble drugs M. Brewster	Formulation of PEGylated therapeutic proteins A. Pappenberger	Chimera agglomerates of artemisinin and clindamycin as extemporaneous formulation for the treatment of Malaria A. Rossi	Microparticles Engineering inhalable particles for local and prolonged delivery of an oligonucleotide decoy to nuclear factor-kB F. Ungaro
16:20				Prilling as a continuous process for the development of multiparticulate dosage forms A. Vervaeck	Single step vaccine formulation into polyelectrolyte microspheres via spray drying M. Dierendonck
16:40			Biorelevant and precise measurement of rapid disintegration of orodispersible mini-tablets M. Hermes	Optimization of 100 µm Alginate-Poly-L-Lysine-Alginate Capsules For The Treatment Of Central Nervous System Diseases E. Santos	

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	Poster Sessions and ResearchPharm	Symposium: Industrial Manufacturing of Solid Dosage Forms	Symposium: From Nanotechnology Products to Nanomedicines	Short lectures: Preformulation	Short lectures: Advanced Analytics
09:00	Nano and Microparticles Liposomes Solid State Characterisation Liquid Dosage Forms Quality Control Herbal Miscellaneous	Patent trends and landscapes in solid dosage forms K. Cremer	Nanotechnology and nano in medicine R. Cingolani	A high-throughput platform for investigating the influence of excipients on phase transformation behaviour during early drug development D. Rajjada	Taste sensing system αAstree as analytical tool – Performance Qualification using caffeine citrate as model substance M. Pein
09:20				Searching for new models of saccharides having molecular mobility significantly suppressed in comparison to carbohydrates accessible commercially K. Kaminski	Terahertz pulsed imaging as an analytical tool for investigating the applied film coating quality M. Haaser
09:40	(09:00 – 17:00 all day long)	Continuous production process for dry product forms: Process development and regulatory perspectives J.-Y. Lanne	Nanotechnology – An industrial perspective D. Bazile	Study on taste masking capacity of hydroxypropyl-β-cyclodextrin and new malto-dextrin by an etongue C. Eckert	A new small intestinal microdialysis system D. Schönherr
10:00				Solubility Improvement	Proteins and Peptides
10:20		Orodispersible dosage forms A. Breitenbach	Toxicological and immunological aspects of nanomaterials M. Moghimi	Solubility enhancement & IV permeability of poorly soluble ABT-102: Influence of Melt extrudate formulation and simulated intestinal fluid K.-J. Frank	Bulk freeze-drying of sensitive pharmaceuticals by stirred freeze-drying T. Bosch
10:40				Beta lapachone-ploxamer-cyclodextrin ternary systems for the intratumoral treatment of MCF-7 breast cancer cells tumor P. Diaz-Rodriguez	Investigation of spider silk particles as drug carrier for therapeutic proteins M. Hofer
				Towards the calculation of Hansen solubility parameters of crystalline solids for hot-melt extrusion processes S. Just	Spray-drying: Inactivation kinetics of L-glutamate dehydrogenase dried in an acoustic levitator E. Lorenzen
11:30 Anadolou Plenary lecture: Non-linear imaging techniques, Herman L. Offerhaus					
	Poster Sessions and ResearchPharm	Symposium: Special Delivery Devices	Symposium: Drug Nanocarriers	Short lectures: Solid Dosage Forms	Short lectures: In-vivo and In-vitro Drug Transport Models
15:00	Nano and Microparticles Liposomes Solid State Characterisation Liquid Dosage Forms Quality Control Herbal Miscellaneous	Closed loop systems for insulin: From sensing to dosing G. Hauck	The future perspectives of drug nanocarriers R. Duncan	A PAT study of a fluidbed granulation process using design of experiments and multivariate data analysis T. Herdling	The In Vitro Patient: Novel Approaches To Predict The In Vivo Performance Of Inhalation Devices In Adults And Children D. Bickmann
15:20				A PAT tool growing up - Process monitoring by Raman spectroscopy from lab to production scale M. Wirges	Beyond Caco-2: Advanced cell and tissue models for studying intestinal drug absorption and targeting E.-M. Collnot
15:40	(09:00 – 17:00 all day long)	Inhalation products and devices J. O. Svensson	Biomimetic block copolymer vesicles and their use for therapy and imaging S. Lecommandoux	Full PAT solution for real-time process control of a pharmaceutical Hot Melt Extrusion (HME) P. Wahl	Development of an advanced buccal monolayer IV Model E. Roblegg
16:00				Transfer of a batch to a continuous fluid bed granulation process K. Germer	Adjustable cell culture model to mimic variable permeabilities of the human intestine V. Jannin
16:20		Miniaturized and portable drug delivery devices P. Wallrabe	Polymeric nanomedicines and challenging barriers I. F. Uchegebu	Development of highly drug loaded API pellets using micro PX technology A. Grave	Expression analysis of efflux transporters in different in vitro and ex vivo cornea models J. Verstraelen
16:40				New Simulation Tools for the Design, Optimization and Control of Pharmaceutical Processes J. Khinast	From particles to patients: An industrial perspective of the application of IVIVC for dose projection M. Mueller-Zsigmondy