

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 C. Bartels | 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 J. de Oliveira Eloy |
| 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 A. Estella Hermaso de Mendoza | 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 P. Trusty | 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 | |

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|--|---|--|--|---|--|
| | 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-flourouracil 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 I. Bayer | A high-throughput platform for investigating the influence of excipients on phase transformation behaviour during early drug development D. Rajjada | Taste sensing system α Stree 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 H. Wachtel | 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 |