10th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology

4 Parallel Symposia on Basic Research, R&D, Industrial Practise and Analytics

Glasgow, United Kingdom 4 to 7 April 2016
In continuation of the highly successful scientific meetings in Budapest, Paris, Berlin, Florence, Geneva, Barcelona, Malta, Istanbul, and Lisbon, the 10th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology will be held in Glasgow in 2016. This conference has gained an ever increasing impact among the pharmaceutical scientists: With close to 1000 submitted abstracts and more than 1300 participants it has become a well-established major meeting, attracting scientists from all over the world.

The conference and the accompanying exhibition ResearchPharm® are intended to provide a cross-disciplinary platform for pharmaceutical scientists working in all fields of drug product development in industry, academia and regulatory bodies.

The ResearchPharm® is steadily growing and presents the newest trends and products in the area of pharmaceutical ingredients, developing and processing equipment, analytical technologies, medicinal products, medical devices, contract manufacturing and recent publications.

In addition to two parallel sessions on industry-related topics presented by distinguished invited speakers, the 10th World Meeting will have two more parallel tracks which provide ample room for a number of oral presentations given by young or established scientists from all over the world. In these contributions selected from submitted abstracts, most recent scientific findings and experiences will be presented on a broad range of topics related to Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology.

The meeting is intended to bring together people working in fundamental and applied academic research, chemical and pharmaceutical industry and the regulatory field, offering the opportunity to initiate fruitful discussions and collaborations.

The organizing committee cordially invites you to join the 10th World Meeting and would be glad to welcome you in Glasgow!
Topics for short lectures and posters

- Advanced Drug Delivery Systems
- Controlled Drug Delivery
- Technical Innovations
- Starting Materials
- Physical Pharmacy
- Preformulation
- Pharmaceutical Manufacturing & Engineering
- Packaging
- Quality Control & PAT
- Quality Assurance
- Stability Testing
- Regulatory Affairs
- Oral Delivery
- Buccal and Nasal Delivery
- Parenteral Delivery
- Pulmonary Delivery
- Transdermal Delivery
- Dermal Preparations
- Nanoparticles & Vesicles
- Protein Formulation & Aggregation
- Gene Delivery
- Advanced Therapy Medicinal Products
- Pediatric & Geriatric Drug Delivery
- Bioavailability and Absorption Enhancement
- In-Vitro/In-Vivo Correlations
- Cellular Drug Transport
- Green & Sustainable Pharma
- Veterinary Medicine

For the latest programme updates please visit www.worldmeeting.org

Call for short papers/Instructions for authors

Online submission

Short papers can only be submitted online. Please use the following URL: www.worldmeeting.org/short-paper-submission/

Deadline for short paper submission:
15 November 2015

Short-papers

Submitted short papers will be presented from 5 to 7 April 2016, either orally or in poster form.

Acceptance of short-papers
Authors will be notified of acceptance of their short paper and the type of presentation (oral or poster) by 15 January 2016.

Oral presentations

The time limit for oral contributions will be exactly 20 minutes including 5 minutes discussion. Presentations will be made with a LCD projector.

Posters

Posters will be presented during special sessions. The panels for the poster presentation are of the following size: height 150 cm, width 90 cm, portrait format.
Social Programme

The Welcome Reception will be held on Monday, 4 April 2016. Enjoy a glass of wine while networking with old and new friends or strolling around the unique and inspiring exhibition of science and technology in the Glasgow Science Centre.

Join us for our unmissable social networking event "Scottish Evening" at the charming historic building of Glasgow University. The doors will be open for you on Wednesday, 6 April 2016 from 8 pm to 12 pm.

Experience Scotland on a higher level. Establish contacts in a relaxed atmosphere and enjoy with us the different types of music Scotland is offering.

Taste the a variety of canapes and typical snacks from the barbecue and choose your favorite delight between a

- a celtic band in Hunter Hall
- a ceilidh dance group in Bute Hall
- an organist in University Chapel
- a pianist in Concert Hall
- a classic ensemble in Hunterian Museum

Scientific Programme

From Tuesday, 5 April, through to Thursday, 7 April, two parallel sessions will be dedicated to industry related topics with invited speakers from all over the world. In addition, two parallel sessions will address all the other topics with short lectures selected from submitted abstracts.

On Monday afternoon, 4 April, plenary lectures will give introductory overviews on focused topics of the conference.

Programme

Monday, 4 April 2016

13:30 Opening ceremony and welcome address
14:30 Key note lecture
   The evolution of formulating protein drug products
   Hanns-Christian Mahler, Lonza AG, Switzerland
15:15 Maurice Marie Janot Award Lecture
   I’ve got you under my skin
   Richard Guy, University of Bath, United Kingdom
15:45 Coffee break
16:30 Hot topic session
   Continuous manufacturing of solid dosage forms
   Peter Kleinebudde, University of Duesseldorf, Germany
   Printing medicines: Challenges and future opportunities
   Simon Gaisford, FabRx, United Kingdom
18:00 Welcome reception
Tuesday, 5 April 2016

09:00 Symposium: Poorly soluble drugs
Invited talks

How to formulate poorly soluble drugs - an industrial perspective
René Holm, H. Lundbeck, Denmark

Role of excipients in solubility enhancement of poorly soluble drugs
Ali Rajabi-Siahboomi, Colorcon, United States

Cyclodextrins as pharmaceutical solubilizers
Thorsteinn Loftsson, University of Iceland, Iceland

09:00 Symposium: Advanced formulations for dermal and transdermal delivery
Invited talks

Innovative nanocarrier for dermal and transdermal administration of drugs
Donatella Paolino, University of Catanzaro, Italy

Transdermal administration: efficient and effective drug delivery
Hanshermann Franke, LTS Lohmann, Germany

Drug delivery improvements for topical formulation obtained by double layered hydroxides technology
Roberto Spogli, Prolabin & Tefarm, Italy

09:00 Symposium: Nanoparticles & Vesicles
Short talks

09:00 Symposium: Oral formulations and oral controlled drug delivery
Short talks

11:00 Coffe break
Poster sessions and exhibition
ResearchPharm®

11:30 Plenary lecture

Gastro-intestinal behavior of low solubility compounds
Patrick Augustijns, University of Leuven, Belgium

12:30 Lunch break
Poster sessions and exhibition
ResearchPharm®

15:00 Symposium: Oral controlled delivery
Invited talks

Oral administration of polymeric micelles for locoregional and systemic treatments
Carmen Alvarez Lorenzo, University of Santiago de Compostella, Spain

Oral controlled drug delivery in the pharmaceutical industry - New insights into existing technologies and future perspectives
Gerard Byrne, Merck Sharpe and Dohme, United Kingdom

Oral drug delivery systems: controlled drug absorption and impact of GI physiology
Henning Blume, SocraTec C&S, Germany
<table>
<thead>
<tr>
<th>Time</th>
<th>Symposium: Intraocular drug delivery and ophthalmic formulations (on-top, inside, behind the vitreous)</th>
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<tr>
<td></td>
<td>Invited talks</td>
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<td></td>
<td><strong>Cationic nanoemulsions: a versatile platform for topical ocular delivery</strong></td>
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<td>Frédéric Lallemand, Santen France, France</td>
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<td><strong>Intravitreal drug delivery: Pharmacokinetics and delivery strategies</strong></td>
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<td>Arto Urtti, University of Helsinki, Finland</td>
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<td><strong>How to deliver a drug into the eye - an industrial perspective</strong></td>
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<td>Heiko Kranz, Bayer Pharma, Germany</td>
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<td>15:00</td>
<td>Symposium: Pediatric formulations and pulmonary drug delivery</td>
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<td>Short talks</td>
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<td>15:00</td>
<td>Symposium: QbD &amp; PAT</td>
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<td>17:00</td>
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<td><strong>Introduction to inkjet printing of functional materials and its wide range of applications</strong></td>
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<td>Wouter Brok, Roth-Rau, The Netherlands</td>
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<td>09:00</td>
<td>Symposium: Bioanalytics, advanced analytics / new analytical methods in particular for large molecules</td>
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<td>Invited talks</td>
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<td><strong>New analytical/biophysical methods to characterize aggregation of large molecules - Focus on the effects of interactions with plasma</strong></td>
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<td>Tudor Arvinte, Therapeomic Holding, Switzerland</td>
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<td><strong>Emerging methods for the characterization of aggregates and subvisible particles for biopharmaceutical products</strong></td>
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<td>Tim Menzen, Coriolis Pharma Research, Germany</td>
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<td><strong>Use of bioanalytical methods in the development of engineered albumins for optimized serum half-life</strong></td>
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<td>Phil Morton, Albumedix Ltd, United Kingdom</td>
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**Wednesday, 6 April 2016**

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<tr>
<th>Time</th>
<th>Symposium: 2D and 3D printing in drug delivery</th>
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<td>Invited talks</td>
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<td><strong>Fabrication of 3D tissue</strong></td>
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<td>Jordan Miller, MIT, United States</td>
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<td>09:00</td>
<td>Symposium: Oral formulations</td>
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<td>09:00</td>
<td>Symposium: Nanoparticles &amp; Vesicles II</td>
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<tr>
<td>11:00</td>
<td>Coffe break&lt;br&gt;Poster sessions and exhibition&lt;br&gt;ResearchPharm®</td>
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<td>11:30</td>
<td>Plenary lecture&lt;br&gt;Nanomedicine: Translation of nanotechnologies from concept to clinical trials&lt;br&gt;Justin Hanes, John Hopkins University, United States</td>
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<td>12:30</td>
<td>Lunch break&lt;br&gt;Poster sessions and exhibition&lt;br&gt;ResearchPharm®</td>
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<td>15:00</td>
<td>Symposium: Pediatric formulations&lt;br&gt;Invited talks&lt;br&gt;Recent achievements in formulating better medicines for children&lt;br&gt;Joerg Breitkreutz, University of Duesseldorf, Germany&lt;br&gt;Industry strategies for developing medicines for children&lt;br&gt;Terry Ernest, GSK, United Kingdom&lt;br&gt;PIPs after the new guideline on pharmaceutical development of medicines&lt;br&gt;Speaker to be confirmed</td>
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<td>15:00</td>
<td>Symposium: Inhalation&lt;br&gt;Invited talks&lt;br&gt;Spray-drying pharmaceuticals for optimal delivery to the lungs: from drying droplets to in vivo evaluation&lt;br&gt;Nicolas Tsapis, University of Paris Sud, France&lt;br&gt;Dissolution testing for inhaled pharmaceuticals: mibbes aye, mibbes naw&lt;br&gt;Ben Forbes, Kings College London, United Kingdom&lt;br&gt;Inhalation&lt;br&gt;Speaker to be confirmed</td>
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<td>15:00</td>
<td>Symposium: Pharmaceutical manufacturing &amp; Engineering&lt;br&gt;Short talks</td>
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<td>15:00</td>
<td>Symposium: In-vitro/in-vivo correlations &amp; Bioavailability&lt;br&gt;Short talks</td>
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<td>17:00</td>
<td>End of session</td>
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<td>20:00</td>
<td>Social Networking Event&lt;br&gt;“Scottish Evening”</td>
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Thursday, 7 April 2016

09:00 Symposium: Continuous manufacturing
Invited talks

Continuous manufacturing - Critical steps and possible solutions
Johannes Khinast, RCPE Graz, Austria

Control strategies for continuous processes
Markus Krumme, Novartis, Switzerland

Continuous secondary manufacture: Practical implementation
Indrajeetsinh Yadav, GSK, United Kingdom

09:00 Symposium: Oral and mucosal dosage forms
Invited talks

Drug permeation through oral mucosa
Eva Roblegg, University of Graz, Austria

Formulation development and manufacturing of orodispersible tablets
Philipp Hebestreit, BASF, Germany

Formulation development and manufacturing of oral film preparations
Andreas Krekeler, Sandoz, Germany

09:00 Symposium: Controlled drug delivery
Short talks

09:00 Symposium: Peptide and protein formulation & nucleic acid delivery
Short talks

11:00 Coffee break
Poster sessions and exhibition
ResearchPharm®

11:30 Plenary lecture

Gene therapy for cystic fibrosis: moving towards the clinic
Eric Alton, Imperial College London, United Kingdom

12:30 Lunch break
Poster sessions and exhibition
ResearchPharm®

15:00 Symposium: Particle engineering (nanomilling, micronisation)
Invited talks

Enhancing Dissolution of poorly soluble drugs through jet-milling
Mercuri Salvatore, Micro-Macinazione, Switzerland

Role of particle engineering in state-of-the-art drug delivery - Most promising technologies and platforms
Filipe Gaspar, Hovione, Portugal

PRINT Particle engineering technology for drug delivery systems
Benjamin Maynor, Liquidia Technologies, United States

15:00 Symposium: Polymer and other macromolecule conjugates
Invited talks

Polymer conjugates as nano-sized medicines: from single agents to combination therapies
Maria Jesus Vicent Docon, Príncipe Felipe Research Centre, Spain

Tailored engineering of pharmaceutical peptides
Jesper Lau, Novo Nordisk, Denmark

X-TEN protein polymer for half-life extension and tumor drug delivery
Volker Schellenberger, Amunix, United States

15:00 Symposium: Topical and mucosal delivery
Short talks

15:00 Symposium: Preformulation & physical pharmacy
Short talks

17:00 End of meeting
Sponsoring

Your financial support helps the organisers in their efforts to provide a highly professional platform for young as well as for experienced researchers and to further develop the pharmaceutical sciences and the related worldwide network. The low registration fee for students which is significantly less than the cost price opens up the opportunity for young academics to attend the meeting. With your sponsoring you enable young researchers to take an active part in the scientific exchange between industry, authorities and academia.

Sponsors

Silver Sponsor

MEGGLE Excipients & Technology
Experts in Excipients

LTS Lohmann Therapie-Systeme AG

Bronze Sponsor

BIOGRUND GmbH

Roquette
We invite you to join this industrial exhibition for state-of-the-art

- Laboratory Equipment
- Analytical Instruments
- Excipients
- CRO – Contract Research Organisations
- Small Scale Equipment
- API – Active Pharmaceutical Ingredients
- Services for the Pharmaceutical Industry

The exhibition area for the upcoming event in Glasgow will be larger, as exhibition space was sold out in Lisbon. We will again integrate poster panels and cash points in the exhibition space to create as much traffic around your booth as possible. Take advantage of this great event to showcase your company and your products to an international and very versatile audience.

To discuss the exhibition and sponsorship opportunities or if there is a promotion your organisation is interested in doing, please contact:

APV International Association for Pharmaceutical Technology
Antonia Herbert
Phone: +49 6131 9769-90
Fax: +49 6131 9769-69
E-mail: ah@apv-mainz.de
www.researchpharm.org
Exhibitors who have already booked...
**Hotel Accommodation**

We have reserved a number of rooms for a special rate at:

**Headquarter hotels:**
- Premier Inn Buchanan Galleries (rates starting from £ 90 per night)
- Premier Inn Pacific Quay - Poss (rates starting from £ 95 per night)

Please use the following link to book the headquarter hotels or another hotel from a selection of hotels with special rates:
http://peoplemakeglasgow.com/wmpbpt16

More information will follow soon.

**Registration**

Please register online at: www.worldmeeting.org

**Registration fees**

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<th>Full participation until 1st February 2016</th>
<th>from 2nd February 2016</th>
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<tr>
<td></td>
<td>presenter participant</td>
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<tr>
<td>Student 1 member</td>
<td>270.00 €</td>
<td>320.00 €</td>
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<tr>
<td>non-member</td>
<td>295.00 €</td>
<td>345.00 €</td>
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<tr>
<td>Academic member</td>
<td>520.00 €</td>
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<td>non-member</td>
<td>600.00 €</td>
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<td>Industry member</td>
<td>1,060.00 €</td>
<td>1,170.00 €</td>
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<tr>
<td>non-member</td>
<td>1,190.00 €</td>
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Full participation includes admission to the scientific congress/exhibition, dinner event, welcome reception, coffee breaks and congress documentation consisting of a detailed printed programme and a menu-guided USB-Stick containing all abstracts.

**Day ticket** (not available for student registration):

Day ticket: 50% of the corresponding full-participation fee.

Day tickets include admission to the scientific congress/exhibition for the corresponding day.

It does not include admission to social events.

**Accompanying persons**

Tickets for the welcome reception and the dinner event for accompanying persons are available for 90.00 € for both events and can be ordered online.

1 Students need to upload a copy of their valid student card/pass
2 Members of all participating societies (please see left)

For meeting updates please visit www.worldmeeting.org