2nd European Conference on Pharmaceutics

Novel dosage forms, innovative technologies

Krakow, Poland
3 to 4 April 2017

Topics

- From bench to bedside – from innovative technologies to clinical success
- Just married: SMART devices and SMART drugs
- Enabling technologies for poorly bioavailable drugs
- Novel delivery strategies for non-Lipinski molecules
- Novel strategies to overcome physiological barriers

See you in Krakow!
www.europeanmeeting.org
Dear Colleague,

Following the great success of the 1st European Conference on Pharmaceutics: Drug Delivery, which was held in Reims (France, in 2015), it is our great pleasure to announce the second congress of this new series of international meetings, which will be held in Krakow, Poland, on 3 to 4 April 2017. It will be dedicated to Novel Dosage Forms and Innovative Technologies.

The European Conferences on Pharmaceutics are held every two years (in March/April of the uneven years). They are jointly organized by the A.D.R.I.T.E.L.F. (“Associazione Docenti Ricercatori Italiani di Tecnologie e Legislazione Farmaceutiche”), APGI (“International Society of Drug Delivery Sciences and Technology”) and APV (“International Association for Pharmaceutical Technology”).

The aim is to help bridging the gap between fundamental academic research and industrial applications, offering the opportunity to initiate fruitful exchange and cooperation between university and industry.

The Conference will be a perfect occasion for young as well as for established scientists from academia and industry from all over the world to present their work, network, discuss newest scientific findings and to share their experience with colleagues on a broad range of topics related to Novel Dosage Forms and Innovative Technologies.

World-wide leading experts in the field will give plenary lectures and invited talks on hot topics. They will give overviews on the current state of the art in the respective domains and outlooks on future perspectives.

Special Hot Topics in Krakow will include:
- From bench to bedside – from technologies to clinical success
- Just married: SMART devices and SMART drugs
- Enabling technologies for poorly bioavailable drugs
- Novel delivery strategies for non-Lipinski molecules
- Novel strategies to overcome physiological barriers

In addition, latest research findings will be presented in the form of short talks, selected from submitted abstracts. Furthermore, poster presentations will give the opportunity to get an update on the most recent research in Pharmaceutics and to personally exchange with the authors.

An industrial exhibition will accompany the Conference and allow learning about the latest trends and newest products in the area of pharmaceutical ingredients, developing & processing equipment, analytical technologies, medicinal products, medical devices, contract manufacturing and many other fields.

All coffee and lunch breaks as well as the welcome reception will be included in the registration fees and be held in the industrial exhibition and poster presentation area in order to facilitate discussions between participants, exhibitors and presenters.

Krakow is world-wide famous for its historical old town, along with the Wawel Castle and the city’s Kazimierz district. It is located on the banks of the Vistula River, and was for centuries the capital of Poland. Krakow has traditionally been one of the leading centers of Polish academic, cultural and artistic life. You can easily reach the city by car, train or plane (international airport).

We are looking forward to seeing you at the 2nd European Conference on Pharmaceutics in Krakow in 2017!

Anna Maria Fadda
President A.D.R.I.T.E.L.F.

Jürgen Siepmann
President APGI

Jörg Breitkreutz
President APV
Monday, 3 April 2017

Plenary lecture
09:15 - 10:15 From bench to bedside – from technologies to clinical success
Dr Marco Gentile, Dompe, Italy

10:15 - 10:45 Coffee/Exhibition/Posters

Invited talks:
SMART drugs and SMART devices
10:45 - Macromolecular candidates for novel drugs and delivery systems
Prof Maria Nowakowska, Jagiellonian University, Poland

11:25 Novel strategies for targeted drug delivery
Prof Dan Peer, Tel Aviv University, Israel

12:05 Combination products for inhalation vs. injection
Dr Marc Rohrschneider, Boehringer Ingelheim, Germany

Short talks:
Preformulation and Dermal/Transdermal
10:45 - A time-dependent study on the impact of engineering on the physico-chemical characteristics of inhalable particles
Joana Pinto, Austria

11:05 Solid state transformations of dexamethasone induced by milling
Dr Paulo Oliveira, France

11:25 How do process parameters influence the density distribution in ribbons from roll compaction?
Raphael Wiedey, Germany

11:45 Influence of plasticizers on different properties of films obtained from film-forming solutions
Dr Claire-Hélène Brachais, France

12:05 Skin penetration analysis by confocal Raman microspectroscopy - potentials and pitfalls
Dr Dominique Lunter, Germany

12:25 An in vivo study investigating the translational potential of microneedles for use in the older population
Dr Helen Quinn, Northern Ireland

12:45 - 15:00 Lunch/Exhibition/Posters

Invited talks: Novel strategies to overcome physiological barriers
15:00 – Oral delivery of macromolecules
15:40 Dr Laurent Hortala, Sanofi, France

15:40 Drug delivery to the lung
16:20 Prof Claus-Michael Lehr, Helmholtz Center, Saarbrücken, Germany

16:20 Drug delivery to the skin and skin appendages
17:00 Prof Christel Müller-Goymann, University of Braunschweig, Germany

Short talks:
Oral Delivery
15:00 - A comparative study between melt granulation/compression, hot melt extrusion and injection molding for the manufacturing of oral sustained release polyurethane matrices
Glenn Verstaete, Belgium

15:20 Simulating zero order drug release via pharmaceutical hot melt extrusion and 3D printing technology
Dr Michael Repka, USA
15:40 - 16:00 Improving drug release and stability of solid lipid dosage forms
Dr Andreas Zimmer, Austria

16:00 - 16:20 Xanthan gum as rate-controlling polymer for alcohol resistant theophylline matrix tablets
Alessia Lazzari, Germany

16:20 - 16:40 Individualized medications with poorly water-soluble APIs - Instant ODFs
Denise Steiner, Germany

16:40 - 17:00 Novel dissolution method for oral film preparations with modified drug release
Isabell Speer, Germany

17:15 - 20:00 Welcome Reception

Tuesday, 4 April 2017

09:00 – 17:00 Invited talks: Enabling technologies for poorly bioavailable drugs

09:00 - 09:40 New clothes for the emperor: Novel approaches to amorphous and lipid base drug delivery
Prof Thomas Rades, University Copenhagen, Denmark

09:40 - 10:20 Industrial case studies on poorly bioavailable drugs
Dr Geert Verreck, J & J, Belgium

10:20 - 11:00 Nanofiber technologies for poorly soluble drugs
Prof Duncan Craig, UCL London, United Kingdom

09:00 - 12:15 Short talks: Nanoparticles & Vesicles

09:00 - 09:20 Dispensing, depositioning and downstream processing of drug nanosuspensions into solid oral dosage forms
Bastian Bonhoeffer, Switzerland

09:20 - 09:40 Encapsulation of a lipophilic prodrug of dexamethasone in to PLGA-PEG nanoparticles: formulation, pharmacokinetics and anti-inflammatory efficacy
Prof Elias Fattal, France

09:40 - 10:00 Chitosan nanospheres containing cyclodextrins for idebenone delivery
Prof Cinzia Anna Ventura, Italy

10:00 - 10:20 Dual targeting of polyacrylamide-paclitaxel nanoparticles to colon cancer cells
Prof Abraham Rubinstein, Israel

10:20 - 10:40 Evaluation of nanostructured lipid carriers (NLC) as tools for ophthalmic administration of N-palmytoil-ethanolamide (PEA)
Prof Carmelo Puglia, Italy

10:40 - 11:00 Promoting vaginal distribution of two active siRNA-complexed in liposomes for cervical cancer treatment
Dr Anna Lechanteur, Portugal

11:00 - 11:30 Coffee/Exhibition/Posters

11:30 - 15:00 Lunch/Exhibition/Posters

11:45 - 12:45 Plenary lecture

11:45 - APGI Young Investigator Award
11:45 - JDDST Best Paper Award
Honoring Professor A. T. Florence

11:45 - Smart Devices from an industrial perspective
Dr Karym El Sayed, Bayer, Germany

12:45 - 15:00 Lunch/Exhibition/Posters
Invited talks: Novel delivery strategies for Non-Lipinski molecules
15:00 - Overcoming biological barriers in cancer through tailored nanoparticles
Prof Fabiana Quaglia, University of Naples, Italy
15:40 - Peptide Delivery: where do we stand and what are the next steps
Dr Joel Richard, Ipsen, France
16:20 - Supramolecular harnessed architectures for active drug delivery
Prof Paolo Calicetti, Padua, Italy

Short talks: Manufacturing & Engineering and Advanced Drug Delivery
15:00 - Development of an original thermo-forming apparatus to be coupled to hot melt extrusion for the continuous production of itraconazole-based amorphous solid dispersions
Justin Thiry, PhD, Belgium
15:20 - Comparison of Science-based calibration (SBC) and PLS for coloured coating thickness determination using in-line Raman spectroscopy
Shirin Barimani, Germany
15:40 - Mechanical characterization of on-demand printed orodispensible films using a 3D bioprinter
Heidi Öblom, Finland
16:00 - Composite coating for long-term prevention of foreign body reaction during continuous glucose monitoring
Prof Diane Burgess, United States
16:20 - Bioavailability of tadalafil upon co-processing with Soluplus: Impotence of the manufacturing procedure
Anna Krupa, PhD, Poland
16:40 - A novel method for demonstrating bioequivalence of locally acting lozenges - from method design to a linear level a IVIVC
Katharina Tietz, Germany
17:00 End of conference

Posters
Posters will be presented during special sessions.

Chairs and Committees

Chair of the Conference
Prof Renata Jachowicz, Poland

Co-Chairs of the Conference
Prof Jörg Breitkreutz, Germany
Prof Anna Maria Fadda, Italy
Prof Jürgen Siepmann, France

Programme Committee Chair
Prof Anna Maria Fadda, Italy

Honorary Patronage
Prof dr hab. med. Wojciech Nowak
Rector of the Jagiellonian University, Poland

Local Organizing Committee
Prof Renata Jachowicz
Dr Witold Jamróz
Dr Aleksander Mendyk
Mgr Mateusz Kurek
Mgr Witold Brniak
Mgr Agata Antosik

Programme Committee
Dr Stefan Bracht, Germany
Prof Jörg Breitkreutz, Germany
Prof Anna Maria Fadda, Italy
Prof Massimo Fresta, Italy
Prof Renata Jachowicz, Poland
Dr Pascal Oury, France
Prof Jürgen Siepmann, France
Accompanying Exhibition & Sponsoring

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

Coffee and lunch breaks as well as the Welcome Reception are included in the registration fee and will be integrate in the exhibition/poster area 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!

Current floor plan with available booths can be downloaded as a PDF file from the exhibition section of our website http://www.europeanmeeting.org/home/exhibition-sponsoring/floorplan or get in touch with Antonia Herbert.

If you wish to know more about the exhibition and sponsorship opportunities or if you desire to book an advertising possibility tailored to your specification, please do not hesitate to contact:

APV
International Association for Pharmaceutical Technology
Antonia Herbert
Phone: +49 6131 9769-90
E-mail: ah@apv-mainz.de
Venue

ICE KRAKÓW
(International Conferences and Entertainment)
ul. Marii Konopnickiej 17,
Kraków 30-302
www.icekrakow.pl

Headquarter Hotel

Park Inn By Radisson Krakow
Ul. Monte Cassino 2, Krakow, 30-337 | +48 12 375 55 55
www.parkinn.com/hotel-krakow

ICE Congress Center is located only a few steps (20 m) from the hotel.
90.00 Euro per night and room from 2 - 4 April 2017.
Price rate available until 5 February 2017. Please note that the rooms are limited.

Reservations Department:
Phone: +48 12 375 55 71, 72, 73
e-mail: reservations.krakow@rezidorparkinn.com

Registration Fees

All coffee and lunch breaks as well as the welcome reception are included in the registration fees and will be held in the industrial exhibition and poster presentation area in order to facilitate discussions between participants, exhibitors and presenters.

<table>
<thead>
<tr>
<th>Full participation</th>
<th>until 31 January 2017</th>
<th>from 1 February 2017</th>
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<tbody>
<tr>
<td>presenter</td>
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<td>presenter</td>
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| **Student**
  member² | 260.00 € | 290.00 € | 310.00 € | 340.00 € |
  non-member | 460.00 € | 490.00 € | 510.00 € | 540.00 € |
| **Academia**
  member² | 460.00 € | 490.00 € | 560.00 € | 590.00 € |
  non-member | 760.00 € | 790.00 € | 860.00 € | 890.00 € |
| **Industry**
  member² | 1,260.00 € | 1,290.00 € | 1,360.00 € | 1,390.00 € |
  non-member | 1,560.00 € | 1,590.00 € | 1,660.00 € | 1,690.00 € |

1 Students are requested to send a copy of their valid student card/pass or a written confirmation of their supervisor. Student rate only available for full time students.
2 Members of all participating societies