

3rd European
Conference on
Pharmaceutics

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Bringing science into
pharmaceutical practice

Bologna, Italy
25 to 26 March 2019



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Dear Colleague,

Following the great success of the last two European Conferences, which were held in Reims and Krakow, it is our great pleasure to announce the third congress of this new series of international meetings, which will be held in Bologna, Italy, on 25 to 26 March 2019. It will be dedicated to „Bringing science into pharmaceutical practice“.

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. (“Italian Association of Pharmaceutical Technology and Law”), 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.

Hot topic sessions

- Manufacturing equipment and technologies
- Nanomedicines
- Arising new manufacturing technologies
- Advances in oral drug delivery

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. 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.

We are looking forward to seeing you at the 3rd European Conference on Pharmaceutics in Bologna in 2019.

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



Prof. Jürgen Siepmann
President APGI



Prof. Jörg Breitkreutz
President APV



Programme

Monday, 25 March 2019

09:00 – 09:30	Opening		
09:30 – 10:30	Plenary lecture		
10:30 – 11:00	Coffee break		
11:00 – 13:00	Invited talks	Short talks	Posters
13:00 – 15:00	Lunch		
15:00 – 17:00	Invited talks	Short talks	Exhibition
17:00 – 19:00	Welcome reception		

Plenary lecture

09:30 **Cytosolic delivery of bio-therapeutics: the struggle with biological barriers goes on**
Stefaan de Smedt, University of Ghent, Belgium

10:30 **Coffee/exhibition/posters**

Invited talks: Manufacturing equipment and technologies

11:00 **Continuous drug product manufacturing - what does the future of pharmaceutical manufacturing looks like?**
Giustino di Pretoro, Johnson & Johnson, Belgium

11:40 **Containment of highly potent compounds during manufacturing of solid dosage forms: in the past, at present and where will this all go to?**
Iris Ziegler, Corden Pharma, Germany

12:20 **The role of primary packaging in biotech drug stability: innovative solutions**
Odra Pinato/Annalisa Delnevo, Stevanato Group, Italy

Short talks: Dermal and transdermal preparations // Mucosal drug delivery

11:00 **Enhancement of skin penetration of lipid-based nanocarriers**
Coralie Bellefroid, University of Liege, Belgium

11:20 **Glycosaminoglycans based scaffolds for wound healing**
Giuseppina Sandri, University of Pavia, Italy

11:40 **Development of dissolving microneedles for delivery of vancomycin hydrochloride**
Delly Ramadon, Queens University of Belfast, United Kingdom

12:00 **Established and innovative buccal dosage forms controlling oromucosal lidocaine permeation**
Dina Kottke, University of Düsseldorf, Germany

12:20 **Oral self-emulsifying drug delivery system and intranasal nanoemulsions of phenytoin**
Isabel Moreira/Adriana Santos, University of Beira Interior, Portugal

12:40 **High dose tobramycin dry powder inhaler: in vivo-in vitro dose emission**
Francesca Buttini/Paolo Colombo, University of Parma/PlumeStars, Italy

13:00 **Lunch/exhibition/posters**

Invited talks: Nanomedicines

15:00 **New polymer-based drug delivery systems for cancer therapy**
Julien Nicolas, University of Paris-Sud, France

15:40 **Drug product nanotechnologies: formulation and process aspects from laboratory to production plant**
Paolo Gatti, Aptuit, Italy

16:20 **Neurotrophic factor brain delivery for Parkinson's disease therapy**
Maria José Blanco-Prieto, University of Navarra, Spain

Short talks: Bioavailability and IVVC // Pharmaceutical manufacturing and engineering

15:00 **In vitro and in vivo assessment of different enabling approaches for oral delivery of fenofibrate**
Ana Caldusch-Arques/Anette Müllertz, University of Copenhagen, Denmark

15:20 **Improved vitamin K uptake from orally administered mixed micelles under bile deficient conditions**
Thijs Rooimans, University of Utrecht, Netherlands

15:40 **A novel predictive dissolution method for establishing an IVVC for contraceptive intravaginal rings**
Katharina Tietz, University of Greifswald, Germany

16:00 **The Manufacturing Classification System: factors influencing process choices**
Neil Dawson, Pfizer Worldwide Research & Development, United Kingdom

- 16:20 Lean and efficient development of a pseudoephedrine formulation resistant to conversion into meth
Isabella Immohr, Grünenthal GmbH, Germany
- 16:40 Solvent-induced phase separation during ASD preparation
Gabriele Sadowski, University of Dortmund, Germany
- 17:00 **Welcome reception**

Tuesday, 26 March 2019

09:00 – 11:00	Invited talks	Short talks	Posters	Exhibition
11:00 – 11:30	Coffee break			
11:30 – 12:00	Awards			
12:00 – 13:00	Plenary lecture			
13:00 – 15:00	Lunch			
15:00 – 17:00	Invited talks	Short talks		

Invited talks: Arising new manufacturing technologies

- 09:00 Electrospinning and its applications in pharmaceuticals
Romána Zelkó, Semmelweis University, Hungary
- 09:40 Electrospinning in drug formulation
Guy van den Mooter, University of Leuven, Belgium
- 10:20 From 3D to 4D printing in the development of drug delivery systems
Alice Melocchi, University of Milan, Italy

Short talks: Oral drug delivery

- 09:00 Mathematical modelling of antibacterial release from a biphasic gel system
Mario Grassi, University of Trieste, Italy
- 09:20 Prilling of API/FA suspensions: Screening of additives for drug release modification
Elie De Coninck, University of Ghent, Belgium
- 09:40 Adipic acid/Saccharin based celecoxib eutectic mixtures for improvement of wettability and dissolution rate
Sharif Md Abuzar, University of Yonsei, Republic of Korea

- 10:00 Comparison of different dosage forms to deliver extremely oxygen-sensitive probiotics
Audrey Raise/Odile Chamblin, University of Bourgogne Franche-Comté, France
- 10:20 Scaled up solid formulation of living anaerobic bacteria for oral delivery using electrospinning
Panna Vass, University of Budapest, Hungary
- 10:40 Utilising co-axial electrospinning as a taste-masking technology for paediatric drug delivery
Hend Abdelhakim, University College London, United Kingdom

11:00 **Coffee/exhibition/posters**

11:30 **Awards**

Plenary lecture

- 12:00 From the idea to the bedside: is the regulatory path coherent with patients' expectations?
Paola Minghetti, University of Milan, Italy

13:00 **Lunch/exhibition/posters**

Invited talks: Advances in oral drug delivery

- 15:00 Novel in vitro test methods for predicting the performance of oral dosage forms in the gastrointestinal tract
Werner Weitschies, University of Greifswald, Germany
- 15:40 New insights into tablet porosity and its critical role in oral drug delivery
Axel Zeitler, University of Cambridge, United Kingdom
- 16:20 Innovation in solid oral dosage forms - an industrial view
Marc Schiller, Grünenthal, Germany

Short talks: Nanoformulations

- 15:00 Chemical reaction-free coating of biodegradable nanoparticles with hyaluronic acid. Cell uptake experiments and mathematical modeling
Marco Biondi, University of Napoli, Italy
- 15:20 Multicellular spheroid based on a triple co-culture: a novel 3D model to mimic pancreatic tumor complexity
Gianpiero Lazzari/Simona Mura, University of Paris-Sud, France

- 15:40 The effect of PEG geometry on the circulation properties of polymeric micelles
Marzieh Najafi, University of Utrecht, Netherlands
- 16:00 A new theranostic system for the treatment of inflammatory diseases
Sara Baldassari, University of Genova, Italy
- 16:20 Theranostic nanocarriers loaded with nerve growth factor enable enhanced brain recovery after stroke
Tivadar Feczko/Matthias G. Wacker, Fraunhofer IME, Germany
- 16:40 Evaluation of liposomes as antisense therapy vectors for the treatment of preeclampsia
Lucie Valero/Karine Andrieux, University of Paris Descartes, France
- 17:00 **End of conference**

Programme committee

Chair of the programme committee

Dejan Djuric, Bayer, Germany

Members of the programme committee

Jörg Breitzkreutz
University of Duesseldorf, Germany
Anna-Maria Fadda
University of Cagliari, Italy
Elias Fattal
University of Paris-Sud, France
Giuseppe de Rosa
University of Naples Federico II, Italy
Juergen Siepmann
University of Lille, France

Travel to Bologna

Guglielmo Marconi International Airport, 15 minutes by bus from the town centre, links Bologna with the main Italian and European airports. It is a major airport in Italy for a number of international destinations served. Bologna is also a [main Italian railway junction](#), e.g. high-speed lines connect it to Florence (37 minutes), Milan (65 minutes) and Rome (2 hours and 22 minutes).

Venue

Bologna Congressi

Piazza Della Costituzione 4/A
40128 Bologna
Italy
www.bolognacongressi.it

Hotels

The selection for accommodation of various types and categories have been negotiated at special rates for participants attending the conference. Please have a look at the overview of hotels at our special booking platform provided by BolognaWelcome: www.europeanmeeting.org/home/accommodation/

Headquarter Hotel

Royal Hotel Carlton

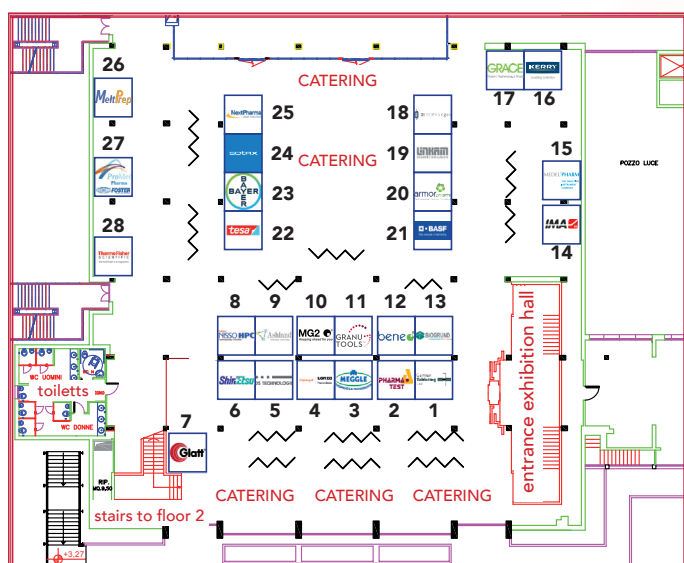
Via Montebello 8
40121 Bologna
Italy

Accompanying exhibition and sponsoring

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

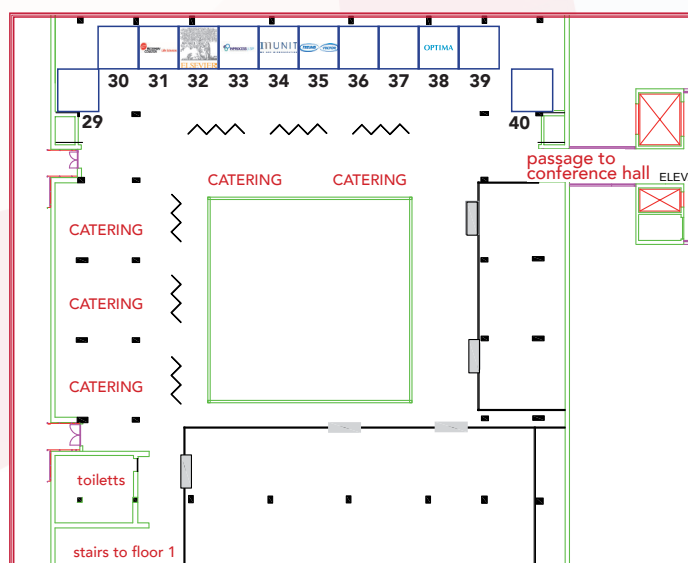
Take advantage of this great event to showcase
your company and your products to a very
versatile and international audience!

Coffee and lunch breaks as well as the welcome
reception are included in the registration fee and
will be integrated in the exhibition/poster area to
create as much networking opportunities around
the booths as possible.



Floor 1

As of 24 November 2018.



Floor 2

As of 24 November 2018.

Current floorplan with available booths can be downloaded as a pdf file on our website:
www.europeanmeeting.org/home/exhibition-sponsoring or get in touch with Heide Zwyer.

The European Conference gives young researchers a perfect stage to present their work. Poster presentations, lectures and discussions help to promote their research findings and careers. Therefore we would highly appreciate if your company could contribute to the meeting as a sponsor. The attractive sponsorship packages spotlight your company and your products.

Our support structure offers you a variety of packages starting from 500.00 € and can be customized by choosing different options. More information on our sponsoring opportunities can be found on our website:
www.europeanmeeting.org/home/exhibition-sponsoring.

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:

Heide Zwyer

Phone: +49 6131 9769 90

E-mail: hz@apv-mainz.de

La grassa, la dotta, la rossa

Bologna has a lot of nicknames: "la grassa" - the fat because of the tasty specialties from tortellini to mortadella, "la rossa" - the red one because of the red tiled roofs and "la dotta" - the scholar because of the famous and oldest university in Europe.

Bologna, the European Capital of Culture in 2000, is a very lively city: in addition to the oldest university in Europe, numerous important historical and cultural sites and more than 40 museums, the carefully restored old town (one of the largest in Italy) with its closed medieval cityscape offers many cafés, pubs, bars, discos and student clubs give the city a youthful flair and a vibrating nightlife.



Characteristic of Bologna are the two (leaning) towers in the "Piazza di Porta Ravegnana". The tallest of them, "Torre degli Asinelli", is almost 100 m high and has a slope of about 1.20 m. From the viewing platform (after 498 steps ...) you have a very nice view over the city. The lower tower, "Torre Garisenda", is only 48 m high, but has a slope of more than 3 m.

In addition, Bologna is known for its "Portici" - the arcades of the old town, which gives the city its unique image. Over 38 km of these „portici“ accompany the streets of the old town and protect ramblers from rain as well as direct sunshine and heat.

The culinary landmark of the city are the tortellini. But be also sure to try other Bolognese specialties such as tagliatelle al ragù bolognese, lasagna or cotoletta alla bolognese.

In the student city, there are many different ways to meet for a glass of Pinot Bianco or a beer. For beer, many students meet in Via del Pratello or simply bring their own drinks and sit down on the floor in Piazza Verdi, the center of student Bologna. Or you can go to the Mercato dell'erbe in Via Ugo Bassi, where many different bars are housed under one roof. Here, everyone can grab their favorite wine (bottles start at ten euros) and then sit down together at one of the many tables in the middle of the hall or outside.



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.

Full participation		until 15 January 2019		from 16 January 2019	
		presenter	participant	presenter	participant
Student ¹	member ²	260.00 €	290.00 €	310.00 €	340.00 €
	non-member	460.00 €	490.00 €	510.00 €	540.00 €
Academia	member ²	460.00 €	490.00 €	560.00 €	590.00 €
	non-member	760.00 €	790.00 €	860.00 €	890.00 €
Industry	member ²	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 rates are only available for full time students.
2. Members of all participating societies are requested to upload a membership proof (copy of membership card or membership invoice) to qualify for the discount membership fee.