

EuPAT

5

Fifth pan-European QbD & PAT Science Conference

Second Announcement – November 2011

Continuous Innovation in Process Analytics & Control

May 9-10 • 2012 • NH Hotel Ghent Belfort • Ghent • Belgium

Invitation to Join EuPAT 5

The topic of EuPAT 5 – Continuous Innovation in Process Analytics & Control – underlines the importance of bringing innovation into pharmaceutical manufacturing based on QbD and PAT sciences. Building quality into drug products should commence during the early phases of research and development and sustain during the product and process life cycle. Consideration and implementation of the quality requirements for new medicines should facilitate effective process development and robust large-scale manufacture. Advanced process analytics should therefore play a crucial role in design, analysis, and control of manufacturing processes based on timely in-process measurements for integrated system approaches, innovative developments and cutting edge scientific advances.

This is to invite you to submit abstracts and attend the fifth pan-European Science Conference on QbD and PAT Sciences, building on the successes of the EuPAT conference series that started in 2006. **EuPAT 5 will be held on May 9-10, 2012, in Ghent, Belgium, and organised back-to-back to a training day on “continuous pharmaceutical manufacturing of solid dosage forms”, to be held on May 8, 2012, at the Faculty of Pharmaceutical Sciences from the University of Ghent.** The attendees of EuPAT 5 are welcome to register to the pre-conference day and vice versa.

Session topics of EuPAT 5

- Continuous pharmaceutical processing
- PAT in bio-active pharmaceutical processing
- Advanced process sensors for control
- Process modeling for in-depth understanding and control
- Material characterization and understanding at molecular level in (bio)process environment

Podium and Poster Presentations

In addition to the podium lectures from recognized leaders in the field, researchers will be given the opportunity to present the latest advancements in QbD & PAT sciences. Participants are encouraged to submit abstracts for poster presentations. Based on the submitted abstracts a number of authors will be invited to present their research orally.

Abstract Submission

Abstracts should be submitted as email attachment in Word format to Claudine.Rawoens@UGent.be by **February 15, 2012.**

The abstract, up to one page A4, should be typed single-spaced (12 pt Times Roman font or equivalent, 2.5 cm margins, page size A4) and should include the title, authors, their affiliations and addresses. Please indicate which EuPAT 5 session topic best suits the abstract. The selection of oral presentations and poster presentations will be based on the review of abstracts by the Scientific & Planning Committee. Notification of abstract acceptance will be sent before March 10, 2012.

EuPAT 5 Preliminary Program

Wednesday, May 9, 2012 (8.45 – 17.30)
Welcome, Introduction and Opening Remarks
Session I: Continuous Pharmaceutical Production
Invited lectures Modeling of Pharmaceutical Processes in the Context of Continuous Manufacturing <i>Prof. Dr. Johannes Khinast</i> , Technical University of Graz, Austria Process tomography for imaging of pharmaceutical manufacturing <i>Prof. Dr. Wuqiang Yang</i> , University of Manchester, United Kingdom
Selected oral contributions
Poster session, Exhibition, Networking
Lunch
Invited lectures Making continuous processing a reality: Tales from an early adopter <i>Dr. Marcel de Matas</i> , AstraZeneca, Macclesfield, United Kingdom PAT based advanced control of continuous manufacturing of solid dosage form <i>Dr. Steve Hammond</i> , Pfizer, New Jersey, USA
Selected oral contributions
Poster session, Exhibition, Networking
Industrial session: 'Bridging the Gap between Industry and Academia for Stimulating QbD and PAT Underpinning Scientific Research'
18.00 Reception at the historical cellar from the NH Hotel Ghent Belfort Social activity

Industrial session

Conference day 1 will end with a discussion session on 'Bridging the Gap between Industry and Academia for Stimulating QbD and PAT Underpinning Scientific Research'. The session will start with two 15 minute presentations, one given by an industrial QbD and PAT scientist (Dr. A. Gerich, MSD, The Netherlands) and one given by an academic QbD and PAT scientist (Prof. J. Rantanen, University of Copenhagen, Denmark), in which both speakers will give their vision on the session topic. Both presentations will form a starting point for interactive discussion with the audience, which will be chaired by Prof. S. Folestad (Chalmers University and Astra Zeneca, Göteborg and Mölndal, Sweden) and Dr. Philippe Cappuyens (J&J and ISPE Belgium, Beerse, Belgium).

Thursday, May 10, 2012 (8.45 – 16.30)
Welcome and Opening of Day Two
Session II: PAT in bio-active pharmaceutical processing
Invited lectures PAT tools for fermentation processes <i>Prof. Dr. Krist Germaey</i> , Technical University of Denmark, Denmark Modeling tools for process understanding of biopharmaceutical problems <i>Prof. Dr. Anna de Juan Capdevila</i> , University of Barcelona, Spain
Selected oral contributions
Poster session, Exhibition, Networking
Lunch
Invited lectures How to optimize biopharmaceutical production processes in a small pilot scale approach <i>Prof. Dr. Reiner Luttmann</i> , Hamburg University of Applied Sciences, Germany PAT based control for a biopharmaceutical production process <i>Dr. Paul Jeffers</i> , Pfizer, Ireland
Selected oral contributions
Poster session, Exhibition, Networking
Closing remarks

Pre-conference Workshop on Continuous Processing for Tablet Manufacturing

The pre-conference workshop will provide training on how to establish and optimize continuous processes from a scientific perspective. The morning session (at Ghent University) will theoretically approach the following topics:

- Overview and general introduction into continuous manufacturing of formulated products
- PAT based monitoring and control of continuous manufacturing processes
- How to establish and optimize continuous process trains from a scientific perspective

The afternoon session will be a hands-on training, organised at GEA Pharma Systems (Antwerp) - Collette™, in which the morning session topics will be considered from a practical point of view.

Registration

For registration to EuPAT 5, fill out and send the below registration form, which is also available for online registration on the EUFEPS Online (www.eufeps.org – Current Meetings). As below form is filled-in and received, information on payment procedures and deadlines will be provided as soon as possible. The registration is complete when payment is received.

To register to the training day on ‘continuous pharmaceutical manufacturing of solid dosage forms’ (May 8, 2012, at the Faculty of Pharmaceutical Sciences from the University of Ghent), also use the registration form. For more information on the pre-conference workshop, see the information on the University website: <http://www.ugent.be/fw/en/research/pharmaceutical-analysis/pat>

Additional Information

For more information and registration, see the EuPAT 5 Website, e.g. through EUFEPS Online (www.eufeps.org – Current Meetings), or contact:

EUFEPS Meetings and Events

Veddesta Business Center

SE-175 72 Jarfalla, Sweden

Email conferences@eufeps.org

<http://www.ugent.be/fw/en/research/pharmaceutical-analysis/pat>

Accommodation

For accommodation, special rate rooms have been blocked at the NH Hotel Ghent Belfort, Hoogpoort 63, B-9000 Gent, Belgium (Tel +32 9 2683613; Fax +32 9 2336400). The participants are responsible for hotel reservation. To make use of the reduced room rate, please use the accommodation registration form below.

Other accommodations also have special rates for conference participants. For reservation at one of these hotels, clearly mention the conference (EuPAT 5) and the conference organisation (Ghent University).



On Ghent and the EuPAT 5 Venue

Ghent is a historic and very lively city in Belgium with a large cultural line-up, an active harbour and business life, innumerable sport facilities and an internationally renowned university (www.ugent.be/en/). Ghent is stimulating and idiosyncratic, but above all authentic. Unique culture and services of excellent quality make the city an appealing place to live. Against the unique historic setting of Ghent, there is a vibrant city where easy accessibility is a key trump – no tailbacks and just 45 minutes from Brussels Airport. The NH Hotel Ghent Belfort attracts both business and leisure travellers, located right in the centre of Ghent, next to the historic city hall building. There are numerous cosy restaurants in the neighbourhood of the hotel (<http://www.nh-hotels.com/nh/en/hotels/belgium/ghent/nh-gent-belfort.html>).

Important Dates

Abstract Submission Deadline	February 15, 2012
Early-Bird Registration Deadline	March 15, 2012

EU PAT 5 Program Committee

Jukka Rantanen, University of Copenhagen, Denmark (QbD and PAT Sciences Network Chair)
Wim Oostra, MSD, Oss, The Netherlands (QbD and PAT Sciences Network Vice-Chair)
Marcel de Matas, Astra Zeneca, Macclesfield, United Kingdom (QbD and PAT Sciences Network Secretary)
Buket Aksu, Santa Farma, Istanbul, Turkey
Joao Almeida Lopes, University of Porto, Portugal
Phillippe Cappuyens, J&J and ISPE Belgium, Beerse, Belgium
Thomas De Beer, University of Ghent, Belgium

Staffan Folestad, Chalmers University and Astra Zeneca, Göteborg and Mölndal, Sweden
Jarkko Ketolainen, University of Eastern Finland, Kuopio, Finland
Hans H. Lindèn, EUFEPS Executive Director, Stockholm, Sweden
Guido Pareijn, Siemens AG and ISPE Belgium, Antwerp, Belgium
Kris Schoeters, GEA Pharma Systems, Wommelgem, Belgium
Tom Van Den Kerkhof, J&J, Beerse, Belgium
Marco Weimer, Sanofi-Aventis, Frankfurt, Germany



Founded in 1991, the mission of EUFEPS is to advance excellence in the pharmaceutical sciences and innovative drug research, and to represent the interests of scientists engaged in drug research and development, drug regulation and drug policymaking. Currently, EUFEPS links 24 Member Societies in 24 European countries. It has, in addition, around 600 individual members (<http://www.eufeps.org>).



Founded in 1980, ISPE has worldwide headquarters in Tampa, Florida; an Asia Pacific office in Singapore; a European office in Brussels, Belgium; and Affiliates and Chapters in numerous countries around the world (<http://www.ispe.org>).



Founded in 1817 as a Latin-speaking State University by William I, King of the Netherlands, Ghent University is a relatively young university. After its independence in 1830, the Belgian

State was in charge of the administration of Ghent University; French was the new official academic language. In 1930 Ghent University became the first Dutch-speaking university in Belgium. The Decree of 1991 assigned great autonomy to the university. Over the years eminent scientists such as Joseph Plateau (physicist, considered as a pioneer in the development of motion pictures), Leo Baekeland (inventor of Bakelite) and Corneel Heymans (Nobel Prize winner in Medicine) studied and worked at Ghent University.

With a view to cooperation in research and scientific service, numerous research groups, centres and institutes have been founded over the years. Several of them are renowned worldwide, in various scientific disciplines such as biotechnology, aquaculture, microelectronics, history,...

Today, after decades of uninterrupted growth, Ghent University is one of the leading institutions of higher education and research in the Low Countries. Ghent University is an open, committed and pluralistic university with a broad international perspective. Located in Flanders, the Dutch-speaking part of Belgium and the cultural and economical heart of Europe, Ghent University is an active partner in national and international educational, scientific and industrial cooperation.

Because it plays a leading role in the academic and scientific world, Ghent University attaches great interest to a transparent organization structure, a dynamic human resources policy, an active environmental policy, its support to spin-offs and other new initiatives,...

On the EuPAT Series

The EuPAT Conference Series is a unique forum for scientists and engineers, encouraging and promoting progress in science behind QbD and PAT, and strengthening the interdisciplinary scientific discussion that bridges between the various fields underpinning QbD and PAT. The focus of it is on scientific progress underpinning Innovative Manufacturing Control and Quality by Design. New findings and results from scientific research and technology development are discussed in the four areas that constitute the cornerstones of sessions of the EuPAT Conferences; Process Informatics; Process Modelling and Understanding; Advanced Process Sensors; and PAT Based Control and Process Integration.

On the EUFEPS QbD and PAT Sciences Network

Powering Science Based Process Understanding and Quality-by-Design for Medicines, the Network is there to focus on Process Analytical Technology and underpinning sciences, create and maintain a unique and effective forum to encourage and improve collaboration, actively contribute to education and training, and to promote innovation in relevant sciences - all to power science based process understanding and Quality-by-Design for medicines. All scientists involved in QbD and PAT sciences are more than welcome to become a member of the EUFEPS QbD and PAT Sciences Network (www.eufeps.org - Network and Networking).

EuPAT 5 sponsors



GEA Pharma Systems
Collette™



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EuPAT 5 Registration Form

Early registration deadline: March 15, 2012

- I register for EuPAT 5 (May 9-10, 2012)
 I register for EuPAT 5 + the pre-conference workshop
 I register for the pre-conference workshop (May 8, 2012)
 I submit an abstract for EuPAT 5

Title _____

Organisation _____

First Name _____

Family Name _____

Address _____

Postal address _____

Country _____

Tel _____

Email _____

Fee Structure (plus VAT if applicable):

		EuPAT 5 (May 9-10, 2012)	Pre-conference work-shop on continuous pharmaceutical manufacturing (May 8, 2012)
Industry	Early Member	€600	€250
	Early Standard	€650	€300
	Late Member	€700	€350
	Late Standard	€850	€400
Academy/ Regulatory	Early Member	€350	€150
	Early Standard	€400	€200
	Late Member	€450	€250
	Late Standard	€500	€300
Student	Early	€200	€50
	Late	€300	€100

Fill out and send this Registration Form to:

Ghent University, Claudine Rawoens

Faculty of Pharmaceutical Sciences

Harelbekestraat 72, B-9000 Gent

or send an email indicating participation, to: Claudine Rawoens, Claudine.Rawoens@UGent.be

Fax +32 9 2228236

EuPAT 5 Accomodation Form

Please book your hotel by email or fax before March 1, 2012

Personal information

First Name

Family Name

Phone

Email

Passport

Booking information (*)

Type of room	<input type="checkbox"/> Standard	€ 130,00 + € 2,50 city tax per night
	<input type="checkbox"/> Superior	€ 145,00 + € 2,50 city tax per night
Breakfast and VAT included	<input type="checkbox"/> Deluxe	€ 160,00 + € 2,50 city tax per night
	<input type="checkbox"/> Single	<input type="checkbox"/> Double = € 10,00 + € 2,50 city tax per night for 2nd person

Occupation

Check-in date

Check-out date

Method of Payment ()**

Credit card type

Expiry date

Credit card number

(*) Roombookings prior and directly after the booking can be made at the seminar rate, upon availability
 (**) Roombooking can only be guaranteed by credit card number (with expiration date). This credit card number will not be used for payment issues before arrival of the guest, except in case of no show (a guaranteed reservation which has not been cancelled in time). The following cancellation conditions apply:

- cancellation not later than the 30th day before arrival: 0%
- cancellation from the 29th to the 15th day before arrival: 50% of the guaranteed booking
- cancellation from the 14th to the 8th day before arrival: 75% of the guaranteed booking
- cancellation less than 8 days before arrival: 100% of the guaranteed booking

Fill out and send this Registration Form to:
 Hotel NH Gent Belfort, Hoogpoort 63. 9000 Ghent, Belgium
 Tel +32 9 2683613 Fax +32 9 2336400
 Email k.vandenberghe@nh-hotels.com

Hotel List

- Ghent Marriott Hotel
Korenlei 10
B-9000 Ghent
Tel +32 9 26977 22
Fax +32 9 2339394
Standard quality room (excl. breakfast): € 150,00 per night
Breakfast: € 23,00
Website www.marriottghent.com
- Novotel Gent Centrum hotel
Goudenleeuwplein 5
B-9000 Ghent
Tel +32 9 2242230
Fax +32 9 2659716
Websites www.novotel.com
www.accorhotels.com
- Ibis Gent Centrum Kathedraal hotel
Limburgstraat 2
B-9000 Ghent
Tel +32 9 2330000
Fax +32 9 2331000
Website www.accorhotels.com
- Ibis Gent Centrum Opera hotel
Nederkouter 24-26
B-9000 Ghent
Tel +32 9 2250707
Fax +32 9 2335907
Website www.accorhotels.com
- Ghent River Hotel
Waaistraat 5
B-9000 Ghent
Tel +32 9 2661010
Fax +32 9 2661015
Standard quality room: € 124,00 per night
Website www.ghent-river-hotel.be/
- Monasterium PoortAckere
Oude Houtlei 56
B-9000 Ghent
Tel +32 9 2692210 or +32 9 2692262
Fax +32 9 2692230
Website www.monasterium.be
- Youth Hostel De Draecke
Sint-Widostraat 11
B-9000 Ghent
Tel +32 9 2337050
Fax +32 9 2338001
Website www.jeugdherbergen.be/gent.htm