

EuPAT 13

Pan-European Science Conference on QbD & PAT

Intelligent, Integrated and Autonomous Pharmaceutical Manufacturing:
From Molecule to Medicine through Connected Platforms, AI and Self-Driving Technologies

In combination with



CESPE Implementation-focused
industry-led session

September 28 – 30 • 2026 • Ghent • Belgium

**Abstract Submission
CLOSING SOON!**



CESPE
CENTRE OF EXCELLENCE IN SUSTAINABLE
PHARMACEUTICAL ENGINEERING & MANUFACTURING



EuPAT 13

28 – 30 September 2026 • Ghent , Belgium

The 13th pan-European Science Conference on QbD & PAT, in a joint effort with the annual CESPE Conference, will bring together researchers and professionals from across academia, industry, and regulatory bodies to explore the next generation of intelligent, integrated and autonomous pharmaceutical development and manufacturing.

The conference will focus on how batch, mini-batch and continuous manufacturing platforms, combined with end-to-end integration, automation and digitalization, are transforming the way drug substances and drug products are developed and produced. Particular emphasis will be placed on integrated development–manufacturing platforms, self-driving laboratories, and disruptive manufacturing concepts, including point-of-care and decentralized production technologies.

Across three scientific sessions and a hands-on workshop, EuPAT 13 will showcase cutting-edge academic research and industrial development and case studies covering:

- Next-generation sensors, advanced PAT tools and innovative QbD strategies, supporting real-time monitoring, intelligent control and robust, flexible manufacturing across batch, mini-batch and continuous processes
- Integrated and autonomous pharmaceutical platforms, connecting drug substance and drug product development through end-to-end manufacturing
- Artificial intelligence across the pharmaceutical lifecycle, enabling predictive modeling, data-driven decision making and autonomous operation

The program will highlight real-world implementation, data-driven and automated control strategies, and the role of advanced sensing, data integration and digital platforms in enabling intelligent and autonomous manufacturing. Regulatory perspectives on the adoption of AI, PAT, QbD and autonomous systems will be addressed, with a focus on ensuring product quality, robustness and patient safety in future-proof manufacturing environments.

In addition to invited lectures and contributed oral presentations, poster sessions will provide extensive opportunities for scientific exchange, networking, and discussion of emerging technologies shaping the future of pharmaceutical manufacturing.

ORGANIZED BY



CESPE
CENTRE OF EXCELLENCE IN SUSTAINABLE
PHARMACEUTICAL ENGINEERING & MANUFACTURING

IN COLLABORATION WITH



Abstract submission EXTENDED



The Organising Committee welcomes you to share your studies in a Poster Presentation or in an Oral Presentation at the EuPAT13 Meeting. Upon submission, please indicate your preference.

Please use the abstract template (download [abstract template](#)) to format your abstract. Please use the correct style sheet, save your abstract as .pdf (one page maximum) and [upload](#) your file. Please make sure that you name the document with your surname.

Deadline for abstract submission:
EXTENDED UNTIL 28 August 2026

Monday, 28 September 2026

09.00–09.10 **Opening speech**
Dr. William Dhooge – CESPE Platform Manager

IMPLEMENTATION-FOCUSED INDUSTRY-LED SESSION

PAT in Practice: Implementation Challenges, Measurable Impact and Real Outcomes

09.10–09.35 PAT in Full Scale Biomanufacturing – Implementation Experience and Challenges
Dr. Jakob Christensen – Novo Nordisk Engineering

09.35–10.00 Title to be announced
Dr. Yannick Borguet – Takeda

10.00–10.25 A Leading Role for PAT in Continuous Manufacturing
Dr. Melanie Dumarey – AstraZeneca

10.25–10.50 PAT Strategy to Master Continuous Process – Example for On-Line Vaccine Formulation
Laurent Strodiot – GSK

10.50–11.20 **COFFEE BREAK**

11.20–11.45 Title to be announced
Dr. Shana Van de Steene – Fette Compacting

11.45–12.10 Title to be announced
Olivier Van Der Ha – Ajinomoto Omnicem

12.10–12.35 Title to be announced
Dr. Jeroen Hofenk – SwiftPharma

12.35–13.30 **LUNCH BREAK**

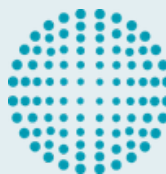
organized by  **CESPE**

EUPAT-CESPE HANDS-ON WORKSHOP

13.30 –16.30 Interact directly with technology providers through hands-on demonstrations, live equipment showcases and real-world case studies.

EQUIPMENT DEMOS

PAT IN PRACTICE



**FETTE
COMPACTING**

Additional technology providers to be announced

+ EXCLUSIVE SITE VISITS

RheaVita



SITE VISIT

Continuous Freeze-Drying Technologies for Biopharmaceutical Manufacturing

Legend Biotech



VISIT TO TRAINING LAB

Scale-Up of CAR-T Manufacturing: Milestones & Challenges

LIMITED CAPACITY – REGISTRATION REQUIRED

First come, first served! Booking system will be available once registration closes.

Due to time constraints, the possible packages are

- 1 site visit + 2 workshop stations
- All workshop stations

AFTERNOON RECEPTION

The after-workshop reception will be held on Monday, 28 March 2026 from 16.30 – 18.30 h.

Enjoy a drink at The Nucleus, offering the perfect opportunity to network with fellow participants and explore the technology exhibition.

**programme subject to change*

Scientific Programme

Tuesday, 29 September 2026

Welcome & Introduction
by the programme committee

SESSION I: NEXT-GENERATION SENSORS, ADVANCED PAT TOOLS AND INNOVATIVE QBD STRATEGIES

**Terahertz Porosity Sensing for Disintegration
Prediction**
Prof. Dr. Axel Zeitler – University of Cambridge, United
Kingdom

**Control Strategies and Real-Time Release for
Continuous Manufacturing: Case Studies**
Dr. Tom Van den Kerkhof – Johnson & Johnson
Innovative Medicine, Belgium

**From PAT Signals to Process Decisions: Designing
Closed-Loop Controls for Drug Substance
Biopharma Manufacturing**
Jan-Sebastiaan Uyttersprot & Dr. Tuur Vandeputte – Union
Chimique Belge, Belgium

LUNCH, POSTER PRESENTATION & EXHIBITION

SESSION II: INTEGRATED AND AUTONOMOUS PHARMACEUTICAL PLATFORMS

**Continuous Direct Compression in
Development of Dispersible Combination
Tablet for HIV-positive Pediatric Patients**
Prof. Dr. Ossi Korhonen – School of Pharmacy,
University of Eastern Finland, Finland

**Particle Engineering as an Enabler for
Continuous Flow Processing**
Dr. Jérôme Mantanus & Dr. Efty Hadjittofis – Union
Chimique Belge, Belgium

**Accelerating Process Intensification: Advanced Control
Strategies Powered by Real Time Bioreactor Analytics**
Alejandro Vicente – Cultzyme, Spain

Title to be confirmed
Speaker TBD – Merck Life Science, UK

NETWORKING DINNER

Enjoy a reception and three-course dinner in the
historic Saint Peter's Abbey while networking with
fellow conference attendees.

Doors open on Tuesday, 29 September 2026 from
18.00 h.

Wednesday, 30 September 2026

SESSION III: ARTIFICIAL INTELLIGENCE ACROSS THE PHARMACEUTICAL LIFECYCLE

**From Material, Process, and Product
Knowledge to the AI Formulator**
Prof. Dr. Daniel Markl – CMAC, University of Strathclyde,
Scotland

**Predictive Pharmaceutical Development and
Process Intelligence through Low-Frequency
Vibrational Spectroscopy**
Dr. Kārlis Bērziņš – University of Copenhagen, Denmark

**The EU Quality Innovation Group Perspective
on Modelling and AI in Pharmaceutical Process
Development and Manufacturing**
Dr. Silvia Vogl – Quality Innovation Group, European
Medicines Agency

END OF CONFERENCE

View the latest program details at
www.eupat.eufeps.org

Scientific & Planning Committee

- Prof. Dr. Jukka Rantanen – University of
Copenhagen, Denmark (Chair EUEPS QbD/PAT)
- Prof. Dr. Thomas de Beer – Ghent University,
Belgium
- Prof. Dr. Jarkko Ketolainen – University of
Eastern Finland
- Prof. Dr. Daniel Markl – CMAC, University of
Strathclyde
- Dr. Jérôme Mantanus – Union Chimique Belge,
Belgium
- Dr. Cristina Ruiz Samblás – AstraZeneca
- Dr. Sandra Häberle, EUEPS, Germany
- Dr. Milan Decorte – Ghent University, Belgium
- Gaia Sofia Comoli – Ghent University, Belgium
- Tzolmon Erelkhegbaatar – Ghent University,
Belgium

**programme subject to change*

General Information

Important dates

30 June Early bird registration closes

28 August Extended abstract submission closes

7 September Registration closes

28 September Workshop and CESPE session

28 - 30 September EuPAT13 Conference

Registration

Participants can register for the EuPAT13 conference with the option to include the CESPE add-on on 28 September which provides access to an additional industry-focused morning session and networking lunch. It also creates additional networking opportunities between CESPE and EuPAT participants, including a dedicated social event after the workshop.

Registration is open – Click [here](#) to register for the event. Early bird rates apply until June 30th. Registration fees are non-refundable after August 1, 2026; however, transfer of your registration to another person is permitted.

	Early Bird	Regular (from 30 June)	CESPE add-on*
Students	250 EUR	350 EUR	50 EUR
Academia (EUFEPS members)	450 EUR	550 EUR	100 EUR
Industry (EUFEPS members)	650 EUR	750 EUR	150 EUR
Academia (non-members)	500 EUR	600 EUR	150 EUR
Industry (non-members)	780 EUR	880 EUR	220 EUR

All prices include VAT.

**Registration for only the 1st day (CESPE session, workshop, and reception) is possible*

General Information

Location

MEETING VENUE & AFTER-WORKSHOP RECEPTION

The Nucleus, Tech Lane Science Park Ghent
Suzanne Tassierstraat 11
9052 Ghent, Belgium

NETWORKING DINNER

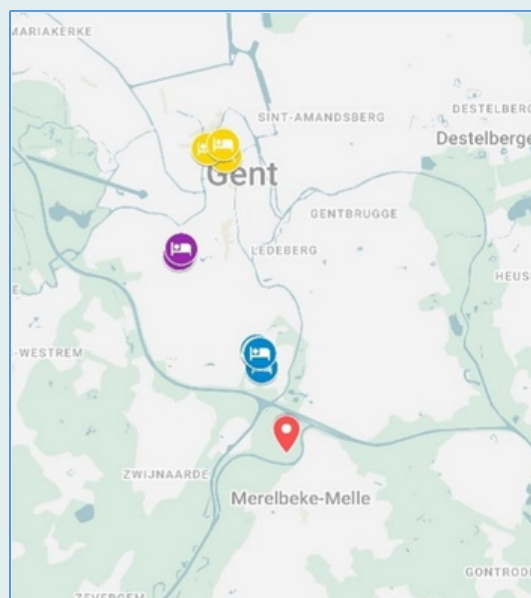
St. Peter's Abbey
Sint-Pietersplein 9
9000 Ghent, Belgium

Hotel Information

Special conference rates have been arranged at selected hotels in Ghent. Hotels are grouped by proximity to the city centre, Ghent-Sint-Pieters station and The Nucleus.

Reservations should be made using the provided booking link or by emailing the hotel directly and mentioning the conference discount code. Rates are subject to availability.

Hotel	Area	Reservation
Ibis Gent Centrum		Sveinhildur.torfadottir@ibis-gent.com using code "EUPAT13MTS"
1898 The Post		reservations@1898thepost.com using code "EUPAT2026"
Hotel NH collection		Hotel NH collection booking link
Hotel Carlton		info@carltongent.be using code "EUPAT13MTS"
Hotel Chamade		info@chamade.be using code "EUPAT13"
Van der Valk Hotel Gent		Van der Valk booking link using code "GET-EUPAT2026"
Holiday Inn Express & Suites		Holiday Inn booking link
Courtyard By Marriott		Courtyard By Marriott booking link
Residence Inn by Marriott		Residence Inn by Marriott booking link



Hotels near The Nucleus



Hotels near Train Station



Hotels near City Center



The Nucleus

Sponsoring & Exhibition

Increase your reach and visibility during the EuPAT 13 & CESPE Conferences on 28–30th September 2026. As a sponsor of our event you will have the chance to:

- Create visibility for your company through on-site advertisement as well as pre- and post- event promotions
- Network and discuss with some of the leading experts in the field
- Showcase your products
- Get introduced to the scientific community of Ghent, active within the field of sustainable pharmaceutical manufacturing.
- Interact with ±100 participants with equal representation from industry and academia

Are you interested in knowing more about our sponsoring opportunities for the EuPAT13 & CESPE Conferences? Let's get in touch and find out what might be most suitable for your needs. Please reach out to eupat@eufeps.org for further information.

Many thanks to our sponsors

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Bronze Sponsor

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