



TTC

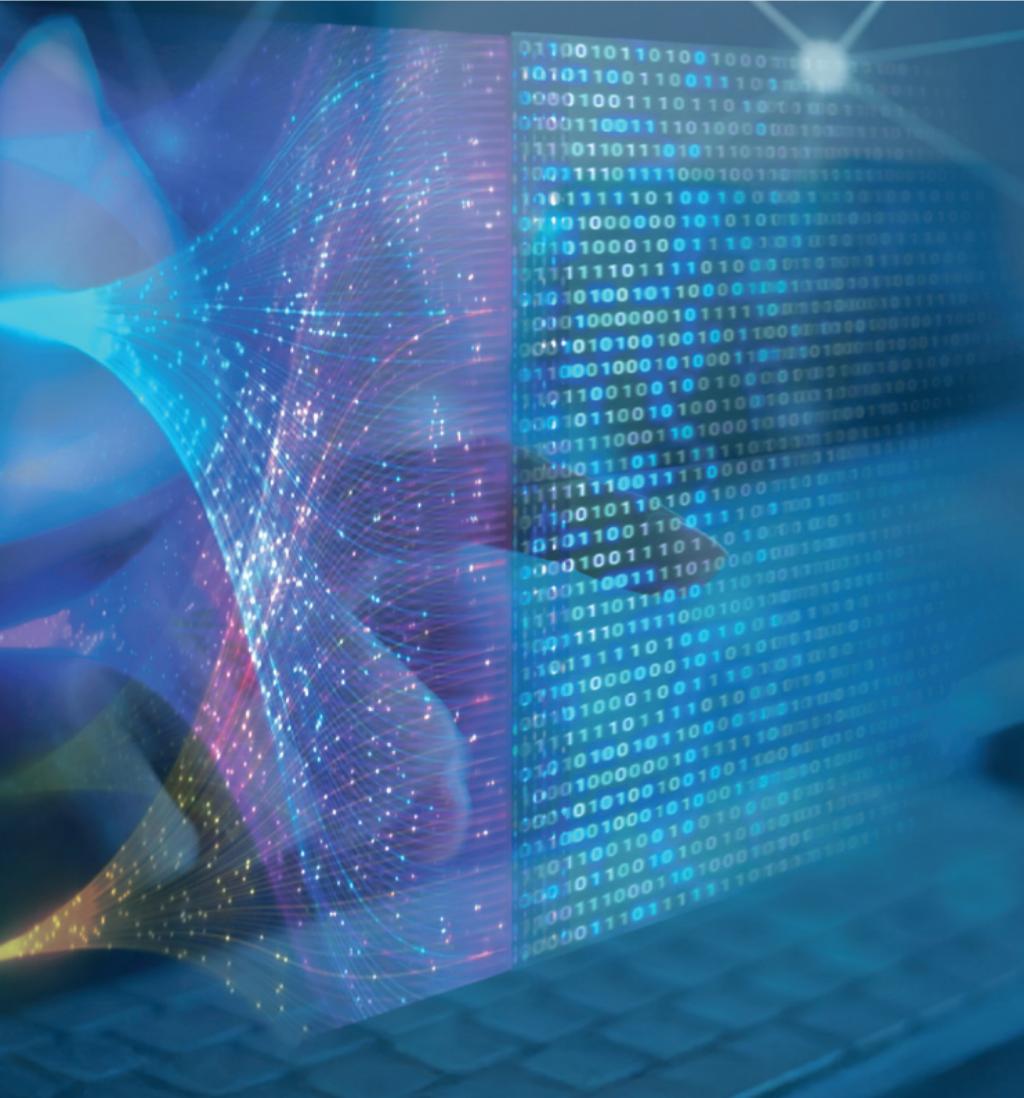
**PAT CONNECT
2026**

CONNECTING MINDS. ENABLING INNOVATION

Shaping the Future of
**Process
Analytical
Technologies**

Kur- und Festspielhaus
Badenweiler(Germany)

10th - 11th March 2026



The Future of PAT

Process Analytical Technology (PAT) goes beyond tools – it's a strategic approach that transforms pharma and biotech from reactive to predictive control, from static processes to adaptive systems, and from compliance to true quality by design.

TTC PAT Connect 2026 unites experts from industry, academia, and regulatory bodies to exchange ideas, build connections, and drive practical PAT implementation across sectors.

Why you?

Whether you work in pharmaceutical production, quality assurance, process development, regulatory science, data analytics or equipment design – your perspective matters.

TTC PAT Connect 2026 is your opportunity to share ideas, explore new technologies and help shape the future of pharmaceutical manufacturing.

CONNECT. LEARN. APPLY.



TUESDAY, 10. MARCH 2026

08:00 Registration

09:00 Welcome and opening of the conference

09:10 **Process Analytical Technology:
a framework for innovation.
A Two Decades Review**
Dr. Ali Afnan, Step Change Pharma, Inc., USA

10:00 Break 45 min

10:45 **Holistic PAT Strategies for
Granulation and Drying**
Martin Warman,
Martin Warman Consultancy Ltd., England

10:45 **PAT: The critical success factor
of the sampling interface**
Dr. Kim Harry Esbensen,
KHE Consulting, Denmark

12:15 Walking Lunch in Exhibition and Posters

13:45 **Activation Impulse: A pilot's perspective:
The importance of trust and
self-confidence**
Philip Keil,
Keynote Speaker and Pilot, Germany

14:30 **PAT at Bayer Pharma from process
development to production with
application examples**
Dr. Matthias Balsam, Bayer AG, Germany

15:15 Break 45 min

16:00 **What are new developments in PAT?**
Prof. Dr. Khinast,
University of Graz, Austria

16:45 **AI agents in process analytics**
Dr. Luise Kaven, BASF, Germany

17:15 **AI in process analytics is it a hype
or a game changer?**
Panel Discussion

18:00 Freetime

20:00 Dinner at the Kurhaus, Badenweiler

WEDNESDAY, 11. MARCH 2026

Session on OSD (Oral Solid Dosage)

08:00 Registration

08:30 **Lean Chemometric approaches to Near Infrared Quantitative Models in a Tablet Press Feedframe**
Phil Doherty, Acutis
Process Analytical Technologies, Ireland

09:00 **PAT road to Realtime release**
Dr. Shana Van de Steene,
Fette Compacting , Belgium

09:30 **From Silos to Synergy:
Building an Integrated PAT Ecosystem
Across the Value Chain**
Thomas Ricour, PAT Industry, France

10:00 Break 45 min

10:45 **Application of Real-Time Neurodynamic Control Strategies to Tumble Blending Operations through PAT-W
Process Analytical Technology**
Carolina Gastone, Eigengran, Italy

11:15 **PAT - Process analytics in the manufacture of solid dosage forms (OSD):
From innovative research to industrial reality**
Dr. Olivier Paquet-Durand,
Glatt Group, Germany

11:45 **Designing Effective Control Strategies and Digital Twins Using Multivariate Analysis Tools**
Dr. Brad Swarbrick, KAX Group, Australia

12:15 Walking Lunch in Exhibition and Posters

13:45 **PAT tools for real-time monitoring of physical characteristics of oral solid dosage forms**
Moritz Anuscheck,
Novo Nordisk A/S, Denmark

WEDNESDAY, 11. MARCH 2026

Session on OSD (Oral Solid Dosage)

14:15 **Robustness of the machine learning process for non-destructive prediction of tablet breaking force**

Dr. Sven Borchert,
Pharma Technology, Belgium

14:45 **Representative sampling of dense powder granule streams for inline PAT prediction of Blend Uniformity**

Manuel Kuhs, Expo Process Analytics, Ireland

15:15 Break 45 min

16:00 **The importance of good sampling when integrating PAT into Continuous Manufacturing Equipment**

Steve Hammond,
Steve Hammond Consulting, USA

16:30 **The importance of an end-to-end PAT strategy**

Andrew Anderson ,
ASquared Consultancy, England

14:30 **PAT at the point of care – process analytics for personalized medicine**

Panel Discussion

18:00 Freetime

20:00 Dinner at the Kurhaus, Badenweiler

WEDNESDAY, 11. MARCH 2026

Session on Bioprocessing

08:00 Registration

08:30 **mRNA LNP Manufacturing Essentials: DSP and Analytical Considerations**
Dr. Christian Dubiella, Wacker, Germany

09:00 **Enabling scalable LNP manufacturing: A cost-efficient approach for tomorrow's mRNA therapies**
Dr. Blerina Shkodra, leon-nanodrugs, Germany

09:30 **On the path to fair autonomous data generation for bioengineering**
Dr. M. Nicolas Cruz B, KIWI-Lab, Germany

10:00 Break 45 min

10:45 **PAT in Bioprocessing: From Raman to Soft Sensors**
Dr. Stephan Sacher, RCPE GmbH, Graz, Austria

11:15 **Raman Spectroscopy for Real-Time Process Control in Pharma and Biopharma: Applications Across the Production Lifecycle**
Dr. Leticia Lambert Angulo, Endress+Hauser, France

11:45 **Technologies in PAT for Pharma: Navigating Regulatory Landscapes while ensuring smooth operational Integration**
Carsten Jasper, PTS Training GmbH, Germany

12:15 Walking Lunch in Exhibition and Posters

13:45 **Synergies within Pharma: Advancing BioPharma Workflows from R&D to Process to Patient**
Dr. Stanislav Kasakov, Thermo Fisher Scientific; Switzerland

WEDNESDAY, 11. MARCH 2026

Session on Bioprocessing

14:15 **The PAT journey at a multinational pharmaceutical company from an innovative initiative to an integrated global part of their manufacturing DNA**
Jan Verelst, Siemens, Belgium

14:45 **Biopharmaceutical Applications Monitored by Raman and FT-NIR spectroscopy - A Comparison**
Dr. Holger Lutz,
Bruker Optics GmbH & KCo. KG, Germany

15:15 Break 45 min.

16:00 **Possible application of A-TEEM and application specific EEM to support pharmaceutical cleaning processes**
Eric Teboul, Horiba Ltd. , France

16:30 **Process analytical technologies for nano-scale medicine: Inline nanoparticle sizing for mRNA vaccines and antibody therapeutics**
Rut Besseling, InProcess-LSP, Netherlands

17:15 **PAT at the point of care – process analytics for personalized medicine**
Panel Discussion

18:00 Freetime

20:00 Dinner at the Kurhaus, Badenweiler

THURSDAY, 12. MARCH 2026

OPTIONAL DAY THREE - VISIT Glatt Innovation Center

* Please find additional information on the next page.

08:00 **Meeting at the Kurhaus
for the drive to Binzen**

08:15 **Bus Drive from Badenweiler to Binzen
approx. 40 min drive**

09:00 **Visit Innovation Center
(Groups 1- 3 visit application examples)
3 Groups :**

Group1: PAT Measurements on various equipment (moisture, content uniformity,

Group2: PAT Particle size measurement on granules and pellets

Group3: PAT - Coating thickness measurement on mini tablets (in the fluid bed and in a pan coater)

12:00 Lunch at the Meet & Eat and networking

13:30 **Workshops 1- 3:
Integration of PAT into the Software
each approx.. 45 min or 90 min**

Group1: Short presentation and data implementation into Software (SiPat)

Group2: Short presentation and data implementation into Software (SnTQ)

Group3: Short presentation and data implementation into Software (KAX)
Final

17:00 Bus Drive back to Badenweiler or Transport to Airport or Train Station

ORGANIZATION

TTC - Technology Training Center

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