

SEPTEMBER 13 & 14, 2023 // GRAZ, AUSTRIA

# NOVEL APPROACHES FOR ADVANCED MANUFACTURING

The ECCPM FORUM 2023 is an exclusive 2-day event that combines intense scientific training and a curated panel of experts to facilitate the implementation of novel pharmaceutical manufacturing technologies.

From pharmaceutical companies to governmental agencies, contract manufacturing organizations, to other experts in manufacturing and service providers, this gathering is a unique opportunity to connect and collaborate toward a shared vision of the future of pharmaceutical production.

**ORGANIZER:**

Research Center Pharmaceutical Engineering  
Inffeldgasse 13 // 8010 Graz, Austria

# TRAINING SCHEDULE

TICKETS:

€590

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OUR PARTNERS:

**SYNTEGON**  
PROCESSING & PACKAGING

**Phyllon**  
pharmaceutical technology

## SEPTEMBER 13, 2023

Inffeldgasse 13, 8010 Graz

**TRAINING SESSIONS: THEORETICAL BACKGROUND ON ADVANCED MANUFACTURING TECHNOLOGIES**

**08:30 - 12:30**

Benefit from decades of experience at the forefront of innovation. Dive right into the latest developments in pharmaceutical engineering and learn more about our innovative approaches to solving complex drug development and manufacturing challenges. The training sessions are designed to equip participants with the skills needed to implement and apply the knowledge in practice immediately.

### CERTIFIED EXCELLENCE

All trainings and sessions have been designed in close cooperation with Graz University of Technology. Participants will receive a certificate for joining the sessions.

#### KEY KNOWLEDGE FOR HOT-MELT EXTRUSION

Martin Spörk & Josip Matic

#### ADVANCED PROCESS CONTROL

Selma Celikovic

#### FROM MOLECULES TO TABLETS: END-TO-END MANUFACTURING IN A SINGLE ROOM

Stephan Sacher

#### SMARTLAB AT RCPE

Sarah Stryeck & Daniel Neuhold

### 12:15 - 13:30 LUNCH\* & REGISTRATION

**PRACTICE SESSIONS: IMPLEMENTATION AT RCPE - TOUR OF THE RCPE FACILITIES**

**13:30 - 16:30**

Experience RCPE's unique technical infrastructure and inter-disciplinary setup first-hand. Learn how the latest technologies and equipment benefits researchers and facilitates collaboration.

#### FROM MOLECULES TO TABLETS: END-TO-END MANUFACTURING IN A SINGLE ROOM (INCL. HOT-MELT EXTRUSION AND CONTINUOUS DIRECT COMPACTION)

#### CONTINUOUS WET GRANULATION LINE + COGNITIVE AUTOMATION

#### PERSONALIZED MANUFACTURING

#### SMARTLAB DEMONSTRATION

#### MATERIAL SCIENCE LABORATORY

### CONFERENCE DINNER\*

Aiola Upstairs, Schlossberg 2, 8010 Graz

**18:30 - 22:00**

\*included in the conference fee.

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FORUM  
2023**

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## SEPTEMBER 14, 2023

Rechbauerstraße 12, 8010 Graz

### NOVEL APPROACHES FOR ADVANCED MANUFACTURING

ARRIVAL & REGISTRATION

08:30 - 09:00

OPENING REMARKS

JOHANNES KHINAST // RCPE & GRAZ UNIVERSITY OF TECHNOLOGY

SESSION #1: SIMULATION AND MODELING

JONATHAN MEYER // PFIZER

**Bending Space and Time Through Light Speed Continuous Drug Product Manufacture with Process Modelling and Control**

EMMANUELA GAVI // ROCHE

**The Mini-Batch Continuous Direct Compression Technology and Modeling Approaches to Support its Implementation and Application**

PETRA SCHÜLE // BOEHRINGER INGELHEIM

**Continuous Manufacturing of Oral Solid Dosage Forms: From Microscale Phenomena to Automatic Steering of Entire Plant**

COFFEE & REFRESHMENTS\*

DIRK WOLLAERT // SIEMENS

**Simulation and Digital Twin: A Captivating Combination for Continuous Manufacturing**

ELISABETH FINK // RCPE

**AI for Continuous Manufacturing**

LUNCH\* & POSTER SESSION

SESSION #2: NANO MANUFACTURING & BIOLOGICS

RAMONA JEITLER // RCPE

**Development of a Continuous In-Line Monitored Lab Plant for Nanoparticle Production Based on the Microfluidizer® Technology**

STEVE MESITE // MICROFLUIDICS

**Scalable Technology Helps Overcome Pharmaceutical Nanoparticle Manufacturing Challenges**

MORE SPEAKERS ARE ANNOUNCED SOON

COFFEE & REFRESHMENTS\*

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Rechbauerstraße 12, 8010 Graz

### SESSION #3: CONTINUOUS MANUFACTURING

**KAI ROSSEN // ORGANIC PROCESS RESEARCH AND DEVELOPMENT (EDITOR-IN-CHIEF)**

**Challenges for Process Chemistry**

**PETER PÖCHLAUER // THERMO FISHER SCIENTIFIC**

**Linking Continuous Manufacturing of APIs to Advanced Analytics and Data Processing**

**C. OLIVER KAPPE // UNIVERSITY OF GRAZ**

**The Use of Continuous Processing towards API Manufacturing**

**SUSANNA ABRAHMSÉN-ALAMI // ASTRAZENECA**

**Robust HPMC based Extended Release Tablets via Continuous Direct Compression**

**ROBIN MEIER // L.B. BOHLE**

**Rapid and Material Sparing Process and Formulation Development by Small Scale Continuous Granulation and Drying**

**SARA FATHOLLAHI // DFE PHARMA**

**Effect of Batch to Batch Variation of Raw Materials on Feeders Performance in Continuous Pharmaceutical Manufacturing**

**THOMAS BRINZ // SYNTEGON**

**Fully Automated and DoE-Based Development of an Oral Solid Dosage Form**

SUMMARY & CLOSING

16:50 - 16:55

SOCIAL EVENT WITH HUMAN.TECHNOLOGY STYRIA\*

17:30 - 20:00

## ADVANCED PHARMACEUTICAL MANUFACTURING: MADE IN STYRIA

[CLICK HERE FOR MORE INFO](#)

\*included in the conference fee.

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