

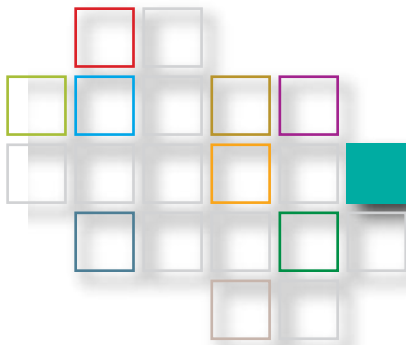
Pharmaceutical Twin-Screw Processes

including
Hands-on
Workshops



30 - 31 January 2018
Karlsruhe, Germany

Course No. 6707



Pharmaceutical Manufacturing

Who should attend?

Formulation scientists and Engineers in the pharmaceutical industry or academia who want to learn more about the usage of twin-screw processes in modern drug formulation. Educational and case-study based lectures are followed by an extensive hands-on workshop to see e.g. injectable implant production in action. The seminar is also a superb possibility to connect to peer scientists and exchange ideas and knowledge.

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Program

Tuesday, 30 January 2018

11:00 to 18:00

Registration and Welcome Reception

Welcome and Introduction

Dirk Leister

Technical Marketing

Thermo Fisher Scientific, Germany

Overview of Pharmaceutical Twin-Screw Processes

Dr. Margarethe Richter

Pharma Application Scientist

Thermo Fisher Scientific, Germany

Co-Extrusion

Kathy van Butsele, PhD

Mithra Pharmaceuticals, Belgium

Production of Injectable Implants

Thanh T. Nguyen, PhD

InnoCore, Netherlands

Wet Extrusion using Twin-Screw extruders

Prof. Dr. Markus Thommes

Dep. of Biochemical and Chemical Engineering

Technische Universität Dortmund, Germany

Overview of Twin-Screw Granulation methods

Dr. Margarethe Richter

Pharma Application Scientist

Thermo Fisher Scientific, Germany

Continuous Manufacturing with focus on Wet Granulation

Xaver Knöpfle

Application Engineer

Glatt GmbH, Germany

Wrap-Up & Discussion

Networking dinner

Wednesday, 31 January 2018

08:45 to 13:30

Hands-on Workshops

Injectable Implant Production

Wet extrusion and spheronization

Wet Granulation

Dry / Melt Granulation

Co-Extrusion & Coffee-Station

Luncheon

Wrap up and Closing

Please note that for competitive reasons, individual participants can be excluded from the workshop.

Objectives

Over the last 15 - 20 years Hot Melt Extrusion has become an established technology in pharmaceutical formulation development. In the beginning the main applications focused on solubility and bioavailability enhancement. In recent years the utilization of twin-screw extruders in the pharmaceutical industry broadened significantly. With the vision of continuous manufacturing twin-screw wet and melt granulation gained interest, as well as the production of polymer based drug delivery systems such as injectable implants.

This seminar covers the most interesting applications of parallel twin-screw extruders beyond solubility enhancement. Lectures from academia, industry and equipment manufacturers are accompanied by a hands-on workshop to see the extruder-based solutions in action.

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Location	Date	Registration	Hotel reservation
Thermo Fisher Scientific Dieselstr. 4 D 76227 Karlsruhe	Course no. 6707 from 30 Jan. 2018 11:00 h to 31 Jan. 2018 13:30 h	APV-Geschäftsstelle Kurfürstenstraße 59 55118 Mainz/Germany Phone: +49 6131 9769-0 Fax: +49 6131 9769-69 e-mail: apv@apv-mainz.de	Schlosshotel Karlsruhe Bahnhofplatz 2 76137 Karlsruhe, Germany Phone: +49 721 3832-0
I herewith repealable authorise APV to use my E-mail address to send me APV relevant material including current programme information. My acceptance can be cancelled at any time in writing	Registration fee Industry 1390 EUR Authorities/Academia 695 EUR Students* 178 EUR (free of VAT according to § 4,22 UStG) Coffee breaks, luncheons, dinner and electronic proceedings included. *Limited places for full time students available; written evidence must be submitted.	You will receive a confirmation of your registration with the invoice.	Participants should make their own hotel reservation referring to the APV seminar. Deadline for special conference rate: 19 December 2017. Special rate: Single room incl. breakfast buffet from 129,- EUR per night.

Mainz, July 2017

Registration

As soon as you have found a seminar of your interest, it is very easy to register for it via fax, e-mail or online. We will process your registration promptly and certainly are available for any questions that may arise.

Registration confirmation

After your registration was successfully processed, you will receive a confirmation.

Before the event

A few days before the event starts, you will receive important information about the seminar, such as time, date, addresses etc.

After the event

You will receive a certificate confirming your participation. Furthermore, we would like to ask you to fill-in our evaluation sheet to make sure we get better every time.

Follow-up

After the event, we are open to receive any suggestions and critique that might arise during the seminar and will certainly help you with further questions you may have.

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