

WHEN?

July & August 2022

WHERE?

online

DURATION?

1-1.5 hours per session

COSTS?

free of charge

REGISTRATION

Summer LECTURES

for pharmaceutical & life science industries



SESSION I—Formulation Screening & Development

How to get a formulation developed and the process started? This session shows you! Daniel Treffer from Melt prep will talk about the VCM, a tool that is ideal when you are limited with materials but need to get your formulation developed. In addition to that Walkiria Schlindwein from the de Montfort University will talk about Quality by Design in twin screw extrusion and how it will support your process understanding. Leistritz will convey the basics of twin screw extruders such as screw and process-design to give you the best support for your end product.

SESSION II—Process Parameters and Process Analytical Technology (PAT)

You're still thinking the extruder is a black box? We can show you the opposite! This session covers case studies about an UV-Vis-based PAT-system from ColVisTec, implemented in a twin screw extruder and shows how it helps to improve and monitor your product quality. Leistritz will support on it with process know-how giving examples of process parameters and their quality impacting factors.

SESSION III—Process Layout

What do you expect from your final process layout? Leistritz will give you an overview of applications, end products and available downstream equipment specific to your product needs. The product needs will include various containment systems of different OEB-Levels.

SESSION IV—Scale-Up & Trouble Shooting

You know your product and maybe already established your process but want to increase the capacity and don't know where to start and how to do? During this session basics of twin screw extruder scale-up will be discussed. Christian Mühlenfeld from Ashland will complement with a scale-up case study, where different scale-up approaches have been compared. To finalize the story Leistritz will give a talk about trouble shooting based on long time service experiences.

SESSION V—Twin Screw Granulation

Continuous twin screw granulation arouses your interest? Welcome to our granulation session that will cover the basics of twin screw granulation. Case studies will be presented showing melt granulation and wet granulation more in detail.

July 27 2022—9-10:30 am (CEST)

- Daniel Treffer (Melt Prep) – Vacuum Compression Moulding (VCM)
- Walkiria Schlindwein (De Montfort University) – Quality by Design in Twin Screw Extrusion
- Kathrin Reusch (Leistritz) – Twin Screw Extruder Principles

August 3 2022—9-10:30 am (CEST)

- Fuat Eker (ColVisTec) – UV-Vis based PAT-system in a Twin Screw Extruder
- Kathrin Reusch (Leistritz) – Process Parameters – What you set & what you get

August 10 2022—9-10:30 am (CEST)

- Kathrin Reusch (Leistritz) – Pharma & Life Science Applications and Downstream
- Albrecht Huber (Leistritz) – Containment Solutions

August 17 2022—9-10:30 am (CEST)

- Kathrin Reusch (Leistritz) – Scale-Up Principles in a Twin Screw Extruder
- Christian Mühlenfeld (Ashland) – Scale-Up case study
- Takuya Shikada (Leistritz) – Trouble Shooting

August 24 2022—9-10:30 am (CEST)

- t.b.d.