

University of Applied Sciences and Arts Northwestern Switzerland School of Life Sciences

Tuesday 9th May 2017 9.30 am – 5.00 pm

2nd PTC Symposium 2017

Particle Engineering in the Life Sciences Industry Process Technology for Improved Product Properties

Particle engineering involves obtaining the desired particle size and size distribution as well as particle's morphology, surface characteristics, or composition and texture. It is used to improve bioavailability, homogeneity, stability or applicability for different purposes. Nevertheless, production in larger scales remains a challenge.

The program is made for interested persons in industry and academia, research and development as well as production. Different aspects of particle engineering will be discussed in the auditorium and can be deepened during the breaks with other participants.

FHNW University of Applied Sciences and Arts Northwestern Switzerland School of Life Sciences

Campus Muttenz Gründenstrasse 40 Room 7.04 4132 Muttenz

Registration, free of charge: until 28. April 2017: <u>http://www.fhnw.ch/lifesciences/PTC</u> or <u>info.lifesciences@fhnw.ch</u>



Particle Engineering in the Life Sciences Industry Process Technology for Improved Product Properties

~ 9.00 am	Arrival of Participants			
09.30 am	<i>Welcome note</i> Falko Schlottig, Prof. Dr., Director School of Life Sciences, FHNW			
09.35 am	Introduction Berndt Joost, Prof. DrIng. Group Leader Pharmaceutical Process Engineering, FHNW			
09:45 am	"Cost efficient development and production of efficient and individualised medicine" Arno Kwade, Prof. DrIng., Head of Institute for Particle Technology & Center for Pharmaceutical Process Engineering, TU Braunschweig			
10:30 am	"Advancements in the development and operation of rotor impact-milling processes" Michael Juhnke, DrIng., Senior Fellow Oral Pharma Development Novartis Pharma AG			
11.15 am	Coffee break			
11.30 am	"Formulation of nanoparticulate dosage forms in high-throughput microsystems" Jan Henrik Finke, Dr. rer. nat., Group Leader Pharma. Proc. Eng., Inst. for Parti- cle Technology & Center f. Pharmaceutical Proc. Engineering, TU Braunschweig			
11.55 am	<i>"From centimeters to nanometers: milling challenges and opportunities"</i> Claude Levebvre, Director Business Development Frewitt Fabrique de Machines SA			
12.20 am	"CIP and SIP process validation of an agitator bead mill for pharmaceutical applications" Benedikt Simons, Head of R & D, Willy A. Bachofen AG Maschinenfabrik			

12.45 am Lunch break



12.45 am	Lunch break			
01.30 pm	"Functionalized calcium carbonate micro-particles as new exipient" Jörg Huwyler, Prof. Dr., Head of Pharmaceutical Technology, Uni Basel			
02.05 pm	<i>"Engineered nanoparticles with biocatalytic properties"</i> Patrick Shahgaldian, Prof. Dr., Group Leader Molecular Nanotechnology, FHNW			
02.30 pm	"Engineered powders for inhalation and in vitro testing thereof" Katerina Simkova, PhD, Institute for Pharma Technology, FHNW			
02.55 pm	Coffee break			
03.05 pm	<i>"Thermodynamic challenges of spray drying technology at DSM"</i> Kai Urban, DrIng., Senior Scientist Pilot Plant Formulation DSM Nutritional Products Ltd.			
03.30 pm	"Development process of solid dosage forms and it's industrial challenges" Andreas Schreiner, DrIng., Manufacturing Science & Technology Novartis Pharma AG			
03.55 pm	"Vision 2018 comes true: HLS's Process Technology Center (PTC)" Berndt Joost, Prof. DrIng. Group Leader Pharmaceutical Process Engineering, FHNW			
04.20 pm	<i>Discussion and conclusion</i> Berndt Joost, Prof. DrIng.			

04.45 pm Farewell



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Site Plan



Public transportation

A1 From Basel SBB train station tram no. 8/10/11, get out at «Aeschenplatz». Change to tram no.14, get out at Muttenz «Zum Park». 4 minutes walk to Gründenstrasse 40 (follow the signs «Fachhochschule Nordwestschweiz»).

A2 From Basel Badischer Bahnhof train station bus no. 36. get out at «St. Jakob», change to tram no. 14 (see above), or at «St Jakob» change to bus no. 47 (Muttenz), get out at «Fachhochschule».

Arrival via Kriegackerstrasse (walk around the building to the main entrance)

A3 From Muttenz Bahnhof train station bus no.47/63, get out at «Fachhochschule»

Car

Intersection Hagnau exit Delémont/Muttenz

Address:	Gründenstrasse 40	Contact:	Berndt Joost
	4132 Muttenz		berndt.joost@fhnw.ch
	T +41 61 467 42 42		T +41 61 467 45 12