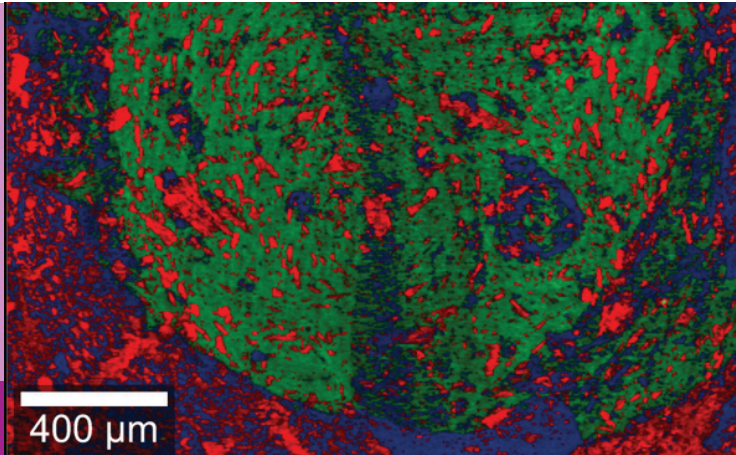
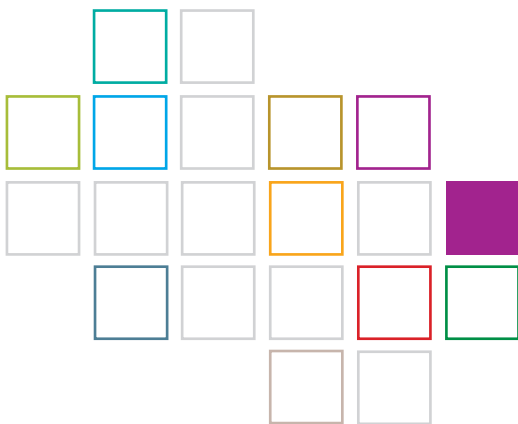


Advanced Analytical Methods for Formulation Development



04 - 05 June 2024
Darmstadt, Germany

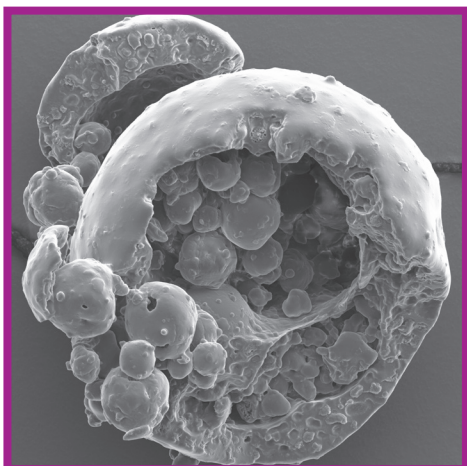
Course no. 6992



Research and Development

Target group

The course is designed for all formulation and analytical scientists involved in research, development, manufacturing, quality assurance and life-cycle management of originator and generic solid dosage forms. It will be of particular interest to participants who wish to get the most recent insights in the advancements of non-compendial analytical methods, and to increase their knowledge in this highly inter-disciplinary and rapidly advancing field.





Objectives

This two day course will provide a profound overview and the essential knowledge of advanced analytical methods for research and industrial applications. Furthermore, the course will discuss the opportunities and limitations of these methods to understand and empower formulation development. Experts from academia, analytical service and technology providers, and the pharmaceutical industry will share approaches for the characterization of chemical, physical, solid state and structural properties of formulated products and related product performance, as pertaining to their area of daily work and research.

Moderators



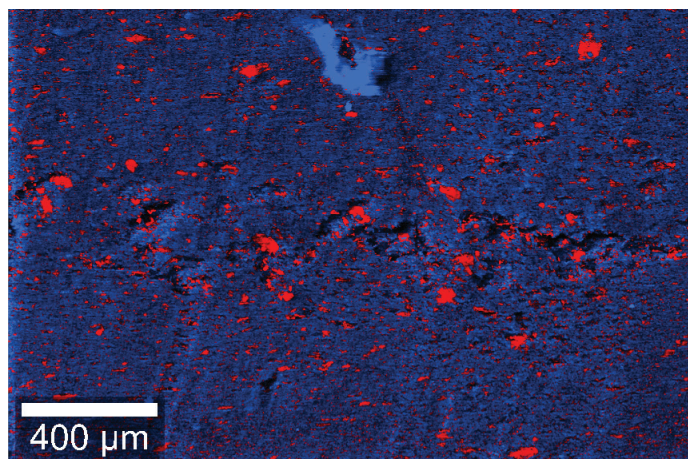
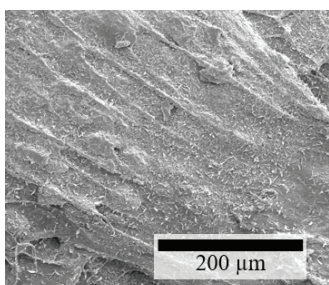
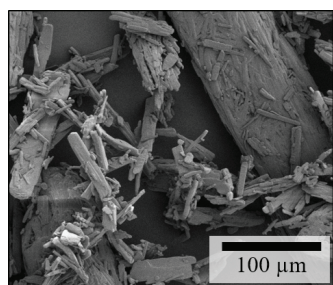
Dr. Jan Henrik Finke

Head of Division Pharma and Bio Particle Technology, Institute for Particle Technology and Center of Pharmaceutical Engineering, Braunschweig, Germany



Hon.-Prof. Dr. Michael Juhnke

Senior Principal Scientist, F. Hoffmann-La Roche AG, Basel, Switzerland



Programme

Tuesday, 04 June 2024

09:00 - 18:00 h

Welcome and introduction

Dr. Jan Henrik Finke

Hon.-Prof. Dr. Michael Juhnke

Characterising Surface Properties of Pharmaceutical Crystalline Solids

Prof. Jerry Heng, Department of Chemical Engineering, Imperial College London, London, United Kingdom

XPS, ToF-SIMS and IGC: Highly Surface-Sensitive Analytical Tools for Solid Products in Pharma

Dr. Ralf Dümpelmann, Managing Director, Inolytix AG, Sisseln, Switzerland

Coffee break

Hyperspectral Imaging and Advanced Vibrational Spectroscopy Methods for Formulation Development and Understanding Drug Product Performance

Dr. Stephanie Brookes, Associate Principal Scientist, AstraZeneca UK Ltd., Macclesfield, United Kingdom

The Capabilities and Limitations of Nanoindentation

Dr. Colin Hare, Senior Lecturer in Chemical Engineering, Newcastle University, Newcastle, United Kingdom

Lunch break

Surface Nanoanalytics using Atomic Force Microscopy: Applications in Solid State Property Analytics for Synthetic Molecules Drug Development

Dr. Cédric Cattin, Senior Scientist, F. Hoffmann-La Roche AG, Basel, Switzerland

Textural Characterization of Porous Materials and Powders by Physisorption and Liquid (Mercury) Porosimetry

Prof. Matthias Thommes, Department of Chemical and Biological Engineering, University of Erlangen-Nuremberg, Erlangen, Germany

Coffee break

Terahertz Porosity Measurements for Immediate Release Tablets: Science, Measurement Options and Process Integration

Prof. Axel Zeitler, Department of Chemical Engineering and Biotechnology, University of Cambridge, Cambridge, United Kingdom

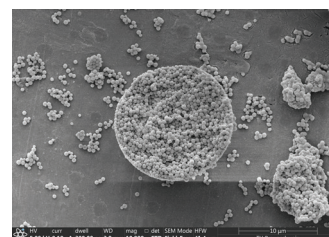
Techniques for Powder Flow Measurement at Low Stresses and High Strain Rates

Dr. Colin Hare, Senior Lecturer in Chemical Engineering, Newcastle University, Newcastle, United Kingdom

Coffee break

Characterisation of Powder Compaction – Relating Deformation to Structures and Properties

Dr. Jan Henrik Finke, Head of Division Pharma and Bio Particle Technology, Institute for Particle Technology and



Location	Registration fee	Registration	Hotel reservation
greet hotel Darmstadt Hilpertstr. 27 64295 Darmstadt web www.accor.de mail HB6J0@accor.com phone +49 6151 39765 0	Industry 1690 EUR Authority/University 845 EUR Students* 250 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.	APV-Geschäftsstelle Kurfürstenstraße 59 55118 Mainz/Germany Phone: 0049 6131 97 69 0 E-mail: apv@apv-mainz.de Web: www.apv-mainz.de You will receive a confirmation of your registration with the invoice.	greet hotel Darmstadt Hilpertstr. 27 64295 Darmstadt web www.accor.de mail HB6J0@accor.com phone +49 6151 39765 0 We have blocked a contingent on the special rate of 109.00 € incl. breakfast and VAT. Reservation code: APV The rates are available until 06 May 2024.
Date Course no.: 6992 from 04 June 2024 to 05 June 2024	09:00 h 16:30 h		

Advanced Analytical Methods for Formulation Development, 04 - 05 June 2024, Darmstadt, Germany, Course no. 6992

Registration

As soon as you have found a seminar of your interest, it is very easy to register for it via 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.

Declaration of consent in respect of data protection

☐ By registering for this seminar, I agree that the APV uses my data for the purpose of processing the order and provides me with all relevant information.

☐ I also agree that APV may contact me for the purpose of exchanging similar information by email or post.

Your data will not be shared with third parties. You have a right of withdrawal at any time without giving reasons.

All other information can be found in our privacy policy (www.apv-mainz.de/en/imprint/data-protection-statement/).

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