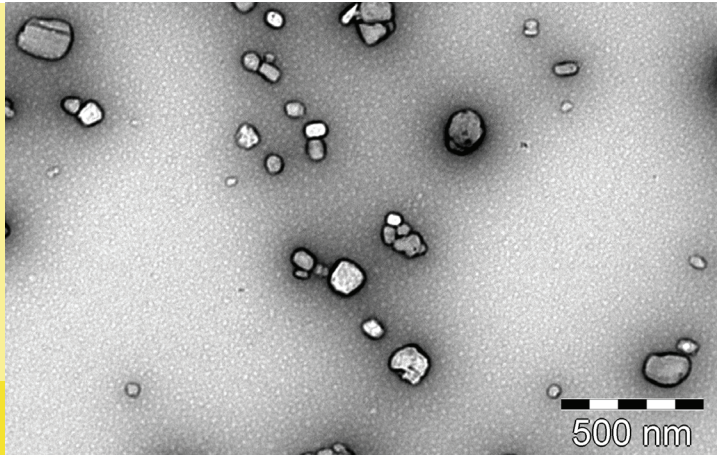


Development of Nanocrystal Suspensions for Oral and Injectable Drug Products

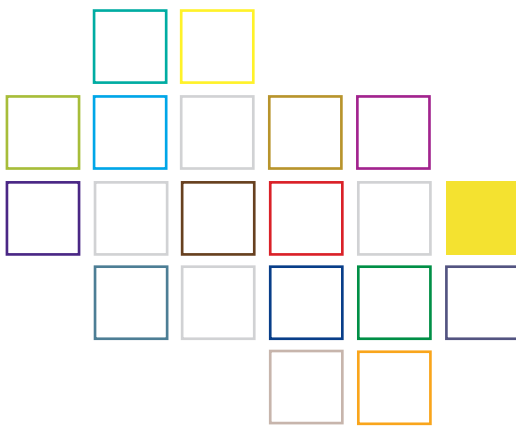
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early bird deadline:
30 September 2025



19 - 20 November 2025
Mannheim, Germany

Course no. 7056



Drug Delivery

Target group

Scientists from academia and industry working in the field of formulation, process and biopharmaceutical research, development and production, quality assurance, regulatory and life cycle management of originator and generic products as well as health authorities.



A seminar organised by the APV focus group Drug Delivery

Objectives

Nanocrystal suspensions are mature nano drug delivery systems, widely used in industry and developed for oral, intramuscular, subcutaneous and ocular administration^{1,2}. This formulation principle enables enhanced bioavailability, reduction of administered volume, prolongation of drug release, and is striving for e.g. improved efficacy and safety, patient compliance, access to unmet needs and product competitiveness. This international seminar guides formulators, product developers and project leaders through the most recent understanding of the in-vivo behavior, side-effects, formulation and process development, and the design of commercial manufacturing processes and their control. Expect insightful presentations and a dynamic exchange with senior experts from academia, pharmaceutical industry and contract development and manufacturing organizations.

¹D'Mello S.R. et al., *Nat. Nanotechnol.* 12 (2017) 523-530; ²Clogston J.D. et al., *J. Pharm. Sci.* 113 (2024)

Seminar leader



Michael Juhnke, Hon.-Prof. Dr.-Ing.

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



Peter van Hoogevest, PD Dr.

Consultant, CEO and Owner at PHARMANOVATION, Rheinfelden (Baden), Germany

Programme

Wednesday, 19 November 2025

12:30 – 18:00 h

Welcome

Michael Juhnke, Hon.-Prof. Dr.-Ing., F. Hoffmann-La Roche, Switzerland

Title - TBD

Speaker - TBD

Nanocrystals in Focus: Advancements in Controlled and Targeted Drug Delivery

Alejandro J. Paredes, Ph.D., Senior Lecturer, Queen's University Belfast, UK

In vitro Biopharmaceutics Tools for Prediction of Oral Bioavailability: Relevance of Molecularly Dissolved Drug vs Colloidal Drug

Martin Brandl, Prof. Dr. rer. nat. habil., University of Southern Denmark, Denmark

Break

Oral Drug Absorption Beyond the Solubility Limit

Na Li, Ph.D, Assistant Professor, University of Connecticut, USA

Histopathology and Local Tolerability of Injected Nano-/ Microcrystal-Suspensions in Non-Clinical Studies

Marjolein van Heerden, D.V.M. Dipl. E.C.V.P., EBVS® European Specialist in Veterinary Pathology, Johnson & Johnson Innovative Medicine, Belgium

Biopharmaceutics and Product Development Considerations for Long-Acting Injectable Products

Pratik Saha, Ph.D., Global Head Biopharmaceutics & Director, Drug Product Development, GlaxoSmithKline, USA

Networking dinner

Thursday, 20 November 2025

09:00 – 16:15h

Welcome

Nanocrystal-Based Formulation Development: Screening Strategies, Downstream Processing, and Real-World Challenges

Julius Sundermann, Dr., Senior Scientist I, AbbVie, Germany

From Lab to Market: Process Design and Control of Wet Media Milled Nanocrystal Suspensions for Oral Products

André Bitterlich, Dr.-Ing., Associate Director, Novartis Pharma, Switzerland

Break

Design of Nanomilling Processes for Organic Substances with Focus on Product Fineness, Stability and Contamination

Arno Kwade, Prof. Dr.-Ing., Director of Institute of Particle Technology and Center of Pharmaceutical Engineering, Braunschweig University of Technology, Germany

Process Design and Control Strategies for Wet Milled Nanocrystal Suspensions in Injectable Drug Products

Noor Al-Rifai, Ph.D., Scientific Sr. Principal Engineer, Johnson & Johnson Innovative Medicine, Belgium

Lunch

Process Modeling of Wet Bead Milling for Long Acting Injectable Nanosuspensions

Gulenay Guner, Ph.D., Investigator, GlaxoSmithKline, USA

Formulation and Process Development to Support GMP Manufacture of Sterile Nanocrystal Suspensions

Robert W. Lee, Ph.D, Senior Vice President, Particle Sciences, Inc. (an Agno Pharma company), USA

Process Design Strategy for Sterile Suspensions Manufactured by Top Down and Bottom Up Process

Jingjun "Jim" Huang, Ph.D., Founder and CEO, Ascendia Pharmaceutical Solutions, USA

Closing remarks

Registration online on our homepage or by email to anmeldung@apv-mainz.de



Location

Mercure Hotel Mannheim
am Friedensplatz
Am Friedensplatz 1
68165 Mannheim
Germany
Phone: +49 30 31 80 445 105
E-mail: HB0R0-SB1@accor.com
meetingdesk@gchhotelgroup.com

Registration fee

Early Bird Fee until 30 September 2025
Industry 1490 EUR
Authority/University 745 EUR
Students* 210 EUR

Regular Fee from 01 October 2025
Industry 1690 EUR
Authority/University 845 EUR
Students* 260 EUR

Registration

APV-Geschäftsstelle
Kurfürstenstraße 59
55118 Mainz/Germany
Phone: 0049 6131 97 69 0
E-mail: anmeldung@apv-mainz.de
Web: www.apv-mainz.de

You will receive a confirmation of your registration with the invoice.

Hotelreservation

Mercure Hotel Mannheim
am Friedensplatz
Am Friedensplatz 1
68165 Mannheim
Germany
Phone: +49 30 31 80 445 105
E-mail: HB0R0-SB1@accor.com
meetingdesk@gchhotelgroup.com

Date

Course no.: 7056
from 19 November 2025 12:30 h
to 20 November 2025 16:15 h

(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.

Participants should make their own hotel reservation referring to the APV seminar and by using the code „APV“. Special rate: Single room incl. breakfast from 99 EUR per night. Deadline for rate: 20 October 2025.

Development of Nanocrystal Suspensions [...], 19-20 November 2025, Mannheim, Course no. 7056

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.

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Kurfürstenstraße 59
55118 Mainz/Germany

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