

SAFC

Pharma & Biopharma Raw
Material Solutions

MERCK

Advance YOUR FORMULATION

Solubility Enhancement with Functional Excipients Hot-Melt Extrusion – Silica Drug Carrier

October 23rd & 24th, 2019

Merck KGaA, Frankfurter Strasse 250, 64293 Darmstadt

Supported by leading industry equipment & technology suppliers Thermo Fisher Scientific, MeltPrep & ERWEKA, we are continuing our highly scientific educational course on technical formulations entitled "Advance your Formulation - Solubility Enhancement with Functional Excipients – Hands-on Training with the Merck Parateck® Family of Excipients"

KEY LEARNINGS

Combining a perfect mix of high-level lecture sessions and a tailored hands-on laboratory workshop, this two-day course will allow you to learn & experience:

- The benefits of Hot-Melt Extrusion
- About Vacuum Compression Molding-based screening technology for amorphous solid dispersions
- How to influence the mechanical properties of extrudates using additives
- Solubility enhancement using silica carrier
- The API loading procedure for silica carrier
- Analytical equipment via live demonstration
- How to simplify your regulatory challenges using our regulatory documentation program

Network with colleagues and make new contacts during our joint, tailored training.

TARGET AUDIENCE

This course is designed for pharmaceutical industry scientists, lab technicians, engineers, and managers who are engaged in the development and process optimization of small molecule APIs and final solid dosage formulation science.

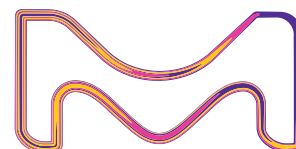
COST

The workshop is free of charge and includes seminar materials and refreshments during the training.

Travel and accommodation are, however, not included and must be arranged separately.

The life science business of Merck operates as MilliporeSigma in the U.S. and Canada.

Merck, the Vibrant M, Parateck and SAFC are trademarks of Merck KGaA, Darmstadt, Germany or its affiliates. All other trademarks are the property of their respective owners. Detailed information on trademarks is available via publicly accessible resources. © 2018 Merck KGaA, Darmstadt, Germany and/or its affiliates. All Rights Reserved. 07/2018



SAFC[®]

Pharma & Biopharma Raw
Material Solutions

MERCK

Agenda

Day I 9:00 am – 5:00 pm Hot-Melt Extrusion

Topics:

Solubility enhancement – One goal, many options

Dr. Raphael Gübeli (Field Marketing, Merck KGaA)

Introduction to pharmaceutical hot-melt extrusion

Dr.-Ing. Margarethe Richter (Application Specialist Pharma,
Thermo Fisher Scientific)

**Rapid and lossless screening of amorphous
solid dispersions**

Dipl.-Ing. Dr. Daniel Treffer (MeltPrep GmbH)

**Hot-melt extrusion with Parateck[®] MXP: Solid dispersion
to enhance the solubility & bioavailability of APIs**

Dr. Mengyao Zheng (Global Marketing, Merck KGaA)

**Hot-melt extrusion lab workshop: Case study with
model APIs**

Dr. Thomas Kipping (Solid Formulation, Merck KGaA)

REGISTRATION:

<https://www.merckmillipore.com/AFTraining>

DAY II 8:45 am – 4:00 pm Silica Carrier

Topics:

Dissolution enhancement the easy way

Dr. Hans-Leo Ohrem (Global Marketing, Merck KGaA)

**Automating dissolution –
Workflow and regulatory benefits**

Erik Schmidt-Staubach (Director Business Development,
ERWEKA)

Your fast track through regulatory challenges:

THE EMPROVE[®] PROGRAM

Dr. Raphael Gübeli (Field Marketing, Merck KGaA)

Solubility enhancement with Parateck[®] SLC Drug Carrier

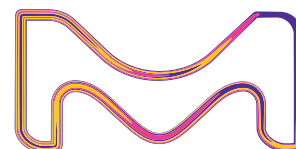
Dr. Gudrun Birk (Solid Formulation, Merck KGaA)

Lab workshop: Loading & dissolution with Parateck[®] SLC

Dr. Gudrun Birk (Solid Formulation, Merck KGaA)

The life science business of Merck operates as MilliporeSigma in the U.S. and Canada.

Merck, the Vibrant M, Parateck and SAFC are trademarks of Merck KGaA, Darmstadt, Germany or its affiliates. All other trademarks are the property of their respective owners. Detailed information on trademarks is available via publicly accessible resources. © 2018 Merck KGaA, Darmstadt, Germany and/or its affiliates. All Rights Reserved. 07/2018



SAFC

Pharma & Biopharma Raw
Material Solutions

MERCK

REGISTRATION:

<https://www.merckmillipore.com/AFTraining>

PARTNERS

Merck KGaA - Life Science - SAFC

Your trusted pharma and biopharma raw materials expert that can support you with exactly the right products, services and expertise you need.

Thermo Fisher Scientific

Thermo Fisher Scientific is the world leader in serving science. Through the Thermo Scientific brand, customers in the pharmaceutical industry gain support to accelerate innovation and enhance productivity by supplying innovative instrument solutions with applications that span the drug discovery process – from formulation through to manufacturing.

MeltPrep

The lab equipment provider that lets you focus on research by simplifying formulation screening for hot-melt extrusion, amorphous solid dispersions, 3D printing, and drug-eluting implants.

ERWEKA

Your leading international manufacturer of tablet test equipment for the pharmaceutical industry.

Don't Miss Out – Sign Up Today!

Don't miss your opportunity to interact face-to-face with leading industry experts at this amazing training event!

REGISTRATION

Please register for the event by October 1, 2019 by filling out the registration form online:

<https://www.merckmillipore.com/AFTraining>

The maximum number of participants is restricted to 20.
You will receive a final confirmation e-mail.

We reserve the right to cancel the seminar if the minimum number of participants is not reached.

The life science business of Merck operates as MilliporeSigma in the U.S. and Canada.

Merck, the Vibrant M, Parateck and SAFC are trademarks of Merck KGaA, Darmstadt, Germany or its affiliates. All other trademarks are the property of their respective owners. Detailed information on trademarks is available via publicly accessible resources. © 2018 Merck KGaA, Darmstadt, Germany and/or its affiliates. All Rights Reserved. 07/2018

