



MERCK and GALA's team of experts are pleased to welcome you to the **Seminar** on

## How to accelerate your pharmaceutical developments based on the solid dispersion strategy

The solubility of drugs is one of the most challenging aspects in developing formulations for novel drug discovery. Pharmaceutical solid dispersion is a powerful strategy enhancing the solubility and bioavailability of water poorly-soluble drugs. Some powerful strategies can be adopted to ease the whole development process, from the early phase screening to the manufacturing process design, thus accelerating and simplifying your drug formulation.

As different manufacturing processes may originate products with different properties the adequate selection of the manufacturing process is also crucial for the success of the product. Solvent-free processing and versatility are the most attractive attributes of the HME technology, which will be highlighted in the frame of this meeting.

The Seminar will be a one-day event (September 26<sup>th</sup>, 2019) in Castres, France, divided in two parts: 4 lectures in the morning; 2 parallel demo/work sessions (Hot Melt Extrusion and Raman microscopy) followed by the visit of Gala platform facilities in the afternoon.

Experts speakers from industry (Merck KGaA, Evotec Toulouse, Witec Corporation, Zeiss Group) and academy (University of Auvergne, France) will be present. Focused will be on following topics :

- Selecting the appropriate solid form in drug discovery phase to improve oral bioavailability and/or developability of compounds
- Polyvinyl-alcohol a powerful excipient to stabilize amorphous solid dispersions using hot melt extrusion
- Evaluation of *in vitro* dissolution techniques for supersaturating drug delivery systems
- Presentation of the principle and applications of correlated SEM (Structural and elemental characterization) and Confocal Raman Microscopy (Chemical identification and imaging) in the pre-formulation and reverse engineering

**THIS IS A FREE EVENT**

Join us at Gala® platform on September 26<sup>th</sup> 2019 to share scientific expertise, knowledge and successful approaches to lead solid dispersions projects.

## Programme

### Topics and Presenters

- 8h30 - 9h00 Welcome coffee and registration
- 9h00 - 9h30 Merck and Gala platform: about us...
- 9h30 - 10h00 Selecting the appropriate solid form in drug discovery phase to improve oral bioavailability and/or developability of compounds  
*Jérôme Menegotto, Head of PhysChem/EDF/Solid State Unit, Evotec, Toulouse, France*
- 10h00 - 10h30 Polyvinyl-alcohol a powerful excipient to stabilize amorphous solid dispersions using hot melt extrusion  
*Dieter Lubda, Head Actives & Formulation R&D Operations, Merck KGaA, Darmstadt, Germany*
- 10h30 - 11h00 Break
- 11h00 - 11h30 Evaluation of in vitro dissolution techniques for supersaturating drug delivery systems  
*Eric Beyssac (Professor of Pharmaceutics, University of Auvergne, Clermont-Ferrand, France*
- 11h30 - 12h10 RISE Microscopy: a powerful tool for pharmaceutical drug delivery systems studies  
*Maxime Tchaya (Specialist of Applications and Business Development, Witec Corporation and Jérôme Mialhe, Product expert, ZEISS Group*
- 12h10 - 12h30 Open discussion
- 12h30 - 14h00 Lunch buffet and posters
- 14h00 - 17h00 At Gala Platform:
- Parallel demonstration workshops:**
- **Raman microscopy** - Witec/ZEISS
  - **HME processing**
  - **Visit of Gala® Platform**
- 17h00 End of Seminar

Join us at Gala® platform the 26<sup>th</sup> September 2019

**The French technology platform GALA®** associates a large range of complementary expertises in order to better anticipate and develop the galenic innovations. The platform is attached to the Rapsodee Laboratory of IMT Mines Albi. Associated laboratories: MINES ALBI/RAPSODEE UMR CNRS 5302; CIRIMAT UMR 5085 CNRS/INPT/UPS; LGC UMR 5503 CNRS/INPT/UPS; I.M.R.C.P. UMR 5623 CNRS/UPS; LSPCMIB UMR 5068 CNRS/UPS.

Gala partners  
in this Seminar



# Practical information

## Registration

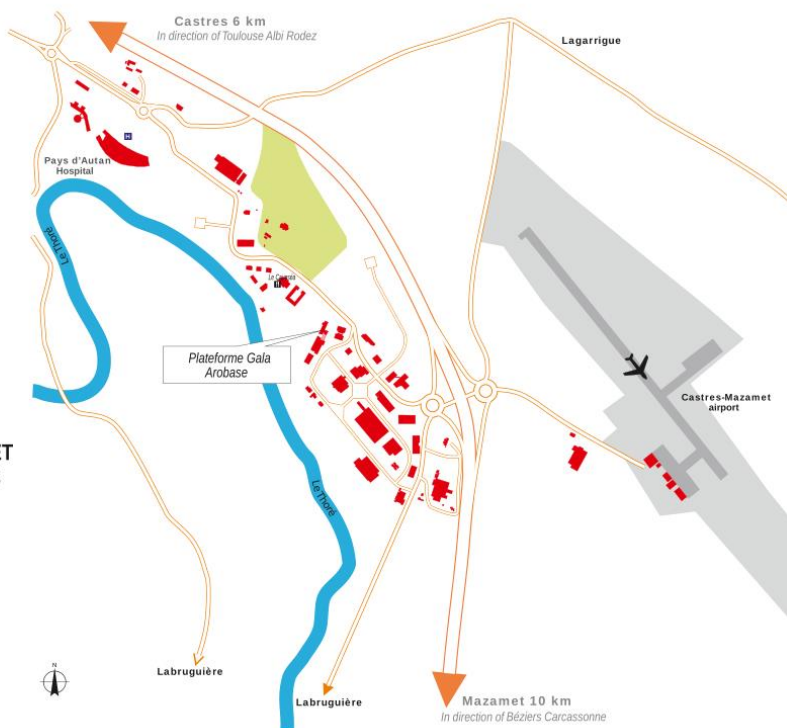
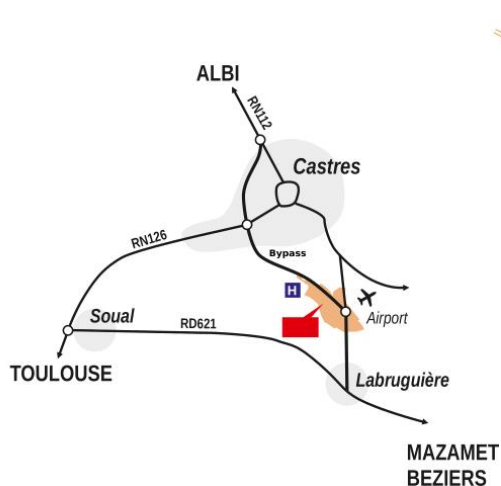
This event is free but registration is required.

**To register for the seminar please contact Giuseppe Camporeale:**

Phone: +33 (0)7 85 40 79 07 | E-mail: [giuseppe.camporeale@merckgroup.com](mailto:giuseppe.camporeale@merckgroup.com)

## Venue

Conference Center  
Le Causse Espace Ressources  
81100 Castres



Entreprises space Le Causse  
*(follow direction airport)*

## Practical information

### Accommodation

There are several nearby hotels.

Adjacent to the Conference Center:

LE CAUSSEA hotel

38, avenue de la Montagne Noire – 81100 Castres / France

Phone: + 33 5 63 37 64 90

E-mail: [caussea@le-caussea.com](mailto:caussea@le-caussea.com)

### Shuttle service

Shuttle services are available at Toulouse-Blagnac to the Castres' airport:

ECO-NAVETTE: <http://www.eco-navette.fr/>

Reservation and purchase of tickets:

[www.eco-](http://www.eco-)

[navette.fr/index.php?option=com\\_content&view=article&id=29:zonetarn&catid=15:zonestarifaires&Itemid=47](http://www.eco-navette.fr/index.php?option=com_content&view=article&id=29:zonetarn&catid=15:zonestarifaires&Itemid=47)

Ticket-counter inside Toulouse (Blagnac) airport:

Arrival **C** hall, in front of car rental companies (Hertz and Avis) – from 8h00 to 19h00

Phone numbers: +33 (6) 01 22 38 19 / +33 (5) 61 41 56 93



Castres' airport is situated at less than 5 minutes far from the Seminar place.