



Technical Seminar

## 3<sup>rd</sup> Technical Seminar on Solubility Enhancement

13<sup>th</sup> – 14<sup>th</sup> June 2017

University of Bradford  
Centre for Pharmaceutical Engineering Science



## 3<sup>rd</sup> Technical Seminar on Solubility Enhancement

The seminar is based on increasing the solubility of poorly soluble drugs in BSC class 2 and 4 and using solid dispersion techniques. The seminar has been designed so that you obtain an introduction to increasing the solubility of poorly soluble drugs, this will be achieved through lectures and demonstrations.

The topics that will be covered are the following: types of solid dispersion, preparation techniques, characterization, advantages of solid dispersion and application of solid dispersion.

### Programme

#### *Topics and Presenters*

#### **Introduction to Cellulose Derivatives for Solubility Enhancement**

Shilpa Mistry – Shin-Etsu, Germany

#### **Hot Melt Extrusion**

Dr. Henry Lu – Shin-Etsu, USA

#### **Polymer Melt Rheology**

Dr. Tim Gough – University of Bradford, UK

#### **Electrospinning**

Dr. Sheng Qi – University of East Anglia, UK

#### **Injection moulding**

Dr. Shivprasad Deshmukh – AstraZeneca, UK

#### **Extruding PVA films**

Dr. Karthik Nair – University of Bradford, UK

#### **Downstream Processing**

Dr. Andreas Sauer – Shin-Etsu, Germany

#### **Predicting polymer and drug interactions**

Prof. Gavin Andrews – Queen's University, UK

#### *Demonstrations*

- HME and Downstream Processing for Pellets and Films
- Spray Dryer
- Injection Moulding
- Capillary Rheometer
- Bio-relevant dissolution and solubility analysis

#### **Date**

Arrival: 5pm 12<sup>th</sup> June 2017 – Depart: 4pm 14<sup>th</sup> June 2017

#### **Location**



University of Bradford  
Centre for Pharmaceutical Engineering Science  
Richmond Road, Bradford, BD7 1DP



## Registration Form

### 3<sup>rd</sup> Technical Seminar on Solubility Enhancement

Two Day Programme, 13<sup>th</sup> – 14<sup>th</sup> June 2017

Venue: University of Bradford, Centre for Pharmaceutical Engineering Science  
Richmond Road, Bradford, BD7 1DP

Due to high demand we have only limited places available.  
The seminar is free to attend, you only pay for your hotel and travel.

Coffee breaks, lunch, dinner and site seeing is included and you will be invited by Shin-Etsu.  
We will also provide you with the electronic presentations on an USB stick.

The deadline for the registration is **2<sup>nd</sup> June 2017**.

Please use capitals or type, or attach a business card.

Dr  Mr  Ms  .....

Name .....

Job Title .....

Company/Organisation .....

Address .....

Postcode /City .....

County and Country .....

Telephone ..... Fax .....

Email .....

#### Accommodation

Midland Hotel  
Forster Square  
Bradford  
BD1 4HU

Executive Bedrooms B&B - £ 107.- incl. breakfast  
Standard Bedrooms - £ 87.- incl. breakfast (Double for sole occupancy)  
For the rates above please quote: Shin-Etsu  
The deadline for these rates is **2<sup>nd</sup> June 2017**.

Phone: +44 1274 735735  
www.peelhotels.co.uk

Please use the following methods for registration:

Online Registration: [www.se-pfmd.com](http://www.se-pfmd.com)  
E-mail: [contact@se-pfmd.com](mailto:contact@se-pfmd.com)  
Fax: +49 611 9629777

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