

# 10<sup>th</sup> International Granulation Workshop

## Course Timetable

Day 1 – Monday, 19<sup>th</sup> June 2023

Time	Topic	Presenter
08.00 - 08.50	<b>Registration</b>	
08.50 - 09.00	<b>Introduction</b>	Prof. Agba Salman
09.00 – 09.30	<b><u>Lecture 1</u></b> Introduction to Granulation	Prof. Gavin Reynolds <i>AstraZeneca</i>
09.30 - 10.30	<b><u>Lecture 2</u></b> Fluidized Bed Drying Process	Prof. Agba Salman <i>University of Sheffield</i>
10.30 – 11.00	Coffee Break	
11.00 - 12.00	<b><u>Lecture 3</u></b> Batch Granulation: Process and Formulation Variables	Nigel Somerville Roberts
12.00 - 13.00	<b><u>Lecture 4</u></b> Measuring, Analysing and Modelling Particle Size	Prof. Gavin Reynolds <i>AstraZeneca</i>
13.00 - 14.00	Lunch	
14.00 - 15.00	<b><u>Practical Session I (Group Rotation Basis)</u></b> 1. Twin Screw Granulation (Dr. Ranjit Dhenge, <i>GSK</i> ) 2. Roller Compaction (Mr. Manfred Felder, <i>Alexanderwerk</i> ) 3. Extrusion: Spheronisation (Dr. Csaba Sinka, <i>University of Leicester</i> ) 4. Batch Granulation (Nigel Somerville Roberts & Mr. Thomas Lansdorf, <i>EIRICH GmbH &amp; Co KG</i> ) 5. Tableting (Dr. Vikram Chouk, <i>Catalent</i> ) 6. Finished Product Characterisation (Dr. Riyadh Al-Asady, <i>University of Sheffield</i> & Andy Winn, <i>Verder Scientific</i> )	
15.00 - 15.30	Coffee Break	
15.30 - 16.30	<b><u>Practical Session II</u></b>	
16.30 - 17.30	<b><u>Practical Session III</u></b>	

## Day 2 –Tuesday, 20<sup>th</sup> June 2023

Time	Topic	Presenter
09.00 - 10.00	<b><u>Lecture 5</u></b> Wet Granulation	Dr. Ranjit Dhenge <i>GSK</i>
10.00 - 11.00	<b><u>Lecture 6</u></b> Tabletting	Dr. Kendal Pitt
11.00 - 11.30	Coffee Break	
11.30 – 12.30	<b><u>Lecture 7</u></b> Material Science for Powders Continuous	Prof. Gerhard Niederreiter <i>Nestlé Research</i>
12.30 - 13.30	<b>Lunch</b>	
13.30 - 14.30	<b><u>Practical Session IV</u></b>	
14.30 - 15.30	<b><u>Practical Session V</u></b>	
15.30 – 16.00	<b>Coffee Break</b>	
16.00 - 17.00	<b><u>Practical Session VI</u></b>	
17.00	<b>Wrap up session</b>	