

**Particular Sciences** is organising a significant 2 day seminar on characterisation technologies and applications for scientists in Pharma (solid dose, small molecule) and in Biopharma (biologics, large molecule) with the support and cooperation of **Malvern Panalytical** and **Netzsch (Analysing & Testing)**.

We will also have presentations by guest speakers and by **Pion-Inc** and from **InProcess-LSP**. Demonstration instruments will be available, showcasing new technologies and specialists attending to discuss your applications in detail.

**Location:** The Crowne Plaza Hotel, Town Centre, Blanchardstown, Dublin 15.

**Dates:** Tuesday 23<sup>rd</sup> April for Pharma content & Wednesday 24<sup>th</sup> April for BioPharma content.

**Register to attend:** <https://particular.ie/exciting-events/pharma-biopharma-event/>

<b>Summary Agenda day 1</b> <b>Tuesday 23<sup>rd</sup> April, Pharma</b>	<b>Summary Agenda day 2</b> <b>Wednesday 24<sup>th</sup> April, BioPharma</b>
<i>Registration and coffee from 09:00 to 09:30, there will be morning and afternoon breaks for refreshments and for discussions and later a time to see instruments live.</i>	<i>Registration and coffee from 09:00 to 09:30, there will be morning and afternoon breaks for refreshments and for discussions and later a time to see instruments live.</i>
<p><b>Morning Session:</b></p> <ul style="list-style-type: none"> <li>• Method validation and regulatory requirements.</li> <li>• The evolution of Mastersizer 3000 with Adaptive Diffraction</li> <li>• BET surface area versus particle size</li> <li>• Dissolution monitoring technologies and applications</li> <li>• Advances in DSC and TGA technologies</li> </ul>	<p><b>Morning Session:</b></p> <ul style="list-style-type: none"> <li>• Overview of Differential Scanning Calorimetry, then Microcalorimetry and Circular Dichroism</li> <li>• Wave Technology from Creoptrix</li> <li>• The Zetasizer Advanced for DLS and Zp with Adaptive Correlation</li> <li>• Nanoparticle Tracking Analysis developments and applications</li> <li>• Spatially Resolved Dynamic Light Scattering – a NOVEL technology</li> <li>• High Pressure homogenisation applications</li> </ul>
<p style="text-align: center;"><b>Lunch from 13:00 ~ 14:00</b></p>	<p style="text-align: center;"><b>Lunch from 13:00 ~ 14:00</b></p>
<p><b>Afternoon Session:</b></p> <ul style="list-style-type: none"> <li>• Developments and news in XRD technologies</li> <li>• Orthogonal techniques for solid dose characterisation</li> <li>• Dynamic Vapour measurements</li> <li>• Developments in 21 CFR part 11 compliance with Malvern Panalytical &amp; from Netzsch</li> <li>• Latest Developments in XRF</li> </ul>	<p><b>Afternoon Session</b></p> <ul style="list-style-type: none"> <li>• Guest talk</li> <li>• Particle Imaging, particle counting, lab and process in BioPharma</li> <li>• Rheology and biological formulations</li> <li>• Q-CMD and viscoelastic properties of materials.</li> </ul>