

Event

Digital Precision: Lab Self-Optimisation for Nanoparticle Manufacturing

Tuesday 6th February 2024
09.00 – 17.00

 CPI, Nigel Perry Building, 1 Union Square,
Darlington, DL1 1GL



Agenda



TIME



DETAILS

- 09:00** Arrival, registration and refreshments
- 09:40 Welcome and Introduction - **Nicholas Warren, University of Leeds**
- 10:00 Self-Optimising Nanoscale Manufacturing Platforms for Achieving Multiscale Precision - **Dr Stephen Knox, Dr Roisin O'Connell and Dr Kai Wu**
- 11:00 An introduction to the Intracellular Drug Delivery Centre - **Juliana Haggerty, CPI and Katharina Roettger, CPI**
- 11:20 **Coffee break**
- 11:50 Automated Flow Reactors for the Controlled Materials Synthesis - **Prof. John de Mello, Norwegian University of Science and Technology**
- Flash sessions:
- 12:35 **Frando van der Pas, InProcess**
David Parry, DeepMatter
- 12:50 **Lunch, plus poster session and live demo**
- 14:00 Degradable vinyl polymer nanoparticles - **Dr. Julien Nicolas, University Paris-Saclay**
- 14:30 Designing lipid nanoparticles: Controlling particle formation, crystallinity and internal environment - Dr Tom McDonald, Head of Environmental Sustainability and Engagement, The University of Manchester
- 15:00 Nanoparticle Optimization via Novel Reactors: From the Beaker to Machine Learning - Dr. Max Besenhard, Lecturer in Digital Manufacturing of Advanced Materials, University College London
- 15:30 **Coffee break**
- 16:15 Panel session - The impact of Artificial intelligence on the Nanoparticle Discovery Pipeline: Challenges and Opportunities
- 17:00 **Event close**



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