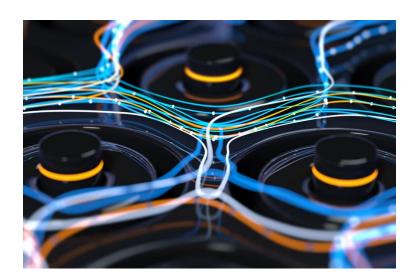
## Event

## Digital Precision: Lab Self-Optimisation for Nanoparticle Manufacturing

Tuesday 6<sup>th</sup> 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

12:35

Automated Flow Reactors for the Controlled Materials Synthesis - **Prof. John de Mello, Norwegian University** of Science and Technology

Flash sessions:

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**
- 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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