

Grand Opening of the Innovation Centre in Digital Molecular Technologies

Friday 26 November 2021

Event Schedule

- 09:15 **Official Opening**
Professor Andy Neely OBE, University of Cambridge Pro-Vice-Chancellor for Enterprise and Business Relations
- 09:30 **Introduction to the iDMT**
Professor Alexei Lapkin, Director of the iDMT
- 09:45 **Importance of Digital Molecular Technology**
Professor Matthew Gaunt, co-Director of the iDMT
- 10:00 **Virtual Laboratory Tours**
 - High Throughput Chemical Synthesis Laboratory
 - Robotics Laboratory
- 10:20 **Bootstrap your flow for improved sampling from Boltzmann distributions**
Dr José Miguel Hernández-Lobato, Associate Professor in Machine Learning
- 10:35 **New Strategies of High Throughput Synthesis**
Professor Matthew Gaunt, Yusuf Hamied 1702 Professor of Chemistry
- 10:50 iDMT – SME Showcase
 - **Machine learning with Vapourtec**
Dr Manuel Nuno, Chief Scientific Officer, Vapourtec Ltd
 - **“ASAP” (Enhancing the scale-up of novel chemicals and materials with an automated, self-optimizing system for process intensification and numbering-up)**
Dr Nicholas José, CEO of Accelerated Materials Ltd
 - **Digitising Chemistry with the iDMT**
Dr Dave M Parry, Research, DeepMatter Plc
- 11:05 **Quantitative interpretation and largescale prospective testing of machine learning models for reaction prediction**
Dr Alpha Lee, Winton Advanced Research Fellow
- 11:20 **Digital Chemical Process Development**
Professor Alexei Lapkin, Professor of Sustainable Reaction Engineering
- 11:35 **What does it take to automate chemistry?**
Dr Michael Kossenjans, Director Chemistry, Discovery Sciences BioPharmaceuticals R&D, AstraZeneca
- 11:45 **Panel Discussion with speakers**