

NET MARKET FLUIDICS SECTORIAL WORKSHOP, WEETWOOD HALL, LEEDS, 2ND FEBRUARY 2017

Goals of the Day

This workshop is organised by the Net Market Fluids EU Consortium (<http://www.netmarketfluidics.eu/>). It will provide a unique networking opportunity for industrialists and academics to become familiar with the latest international developments and capabilities provided by micro-fluidics and nano-fluidics. Attending will provide a quick and easy way of becoming familiar with the area, understanding whether it offers a potential solution for your complex technical challenges and identifying any key barriers to exploiting it in your business. It will be equally relevant for companies and individuals who have very little experience of micro/nano-fluidics and for those who are actively engaged in its commercial exploitation.

Arrival & Coffee: 10.00-10.15

Introduction to the Net Market Fluidics Consortium & Overview of the day:

10.15-10.30 Sara Manzano, ADITech, Pamplona, Spain.

Session 1: New Directions in Micro/Nano-fluidics Research: 10.30-11.30

Professor Russ Harris (University of Leeds, UK): *How Manufacturing Research Opens Opportunities in Microfluidics*

Dr Peter Docker (Diamond Light Source, UK): *The use of acoustic and optical trapping in microfluidic systems to automate sample delivery for protein crystallography*

Prof Nik Kapur (University of Leeds, UK): *The role of Microfluidics in HYSENTS EU project.*

Prof John Blacker (University of Leeds, UK): *Multi-phase Microfluidic Flow Reactors.*

Session 2: Barriers to Commercialisation of Micro/Nanofluidics: 11.30-13.00

Dr Trevor Gregory (Innovate UK): *UK government support for technology commercialisation*

Attendees will then split into groups and discuss each of the following items relating to Micro/Nano-fluidics. Groups to feedback to whole meeting

- Key Emerging Technologies
- Emerging Commercial Opportunities
- Barriers to wider commercial exploitation
- Future role of Net Market Fluids Consortium

Lunch: 13.00-14.00

Session 3: Commercial Applications of Micro/Nano-fluidics: 14.00-15.20

Dr Jennifer Hannant, QuantumDX: *TB or not TB that is the question*

Dr Paul Steenson, School of Electrical and Electronic Engineering, University of Leeds. *Implantable devices for chronic precise localised delivery of fluids.*

Flemming Larsen, Business Developer, DTU Nanotech Copenhagen, Denmark. *Bridging the gap from research to commercialisation – DTU Nanotech experiences with innovation, value creation and spin-outs.*

Dr Steven Abbott, Former R&D Director Macdermiddy Autotype & Technical Consultant: *Upgrade your knowledge base: sharing good nanofluidic science via open source apps in 2D, 3D and VR.*

Coffee/tea/biscuits: 15.20-15.40

Review of day and future actions: 15.40-16.00

Close: 16.00