



The Applications of Breath Analysis

Friday 16th October 2015, 10am to 3pm

Main Lecture Theatre, Manchester Institute of Biotechnology, The University of Manchester, Princes Street, Manchester, M1 7DN

We invite you to join us for a *breath-taking* day of talks presented by researchers in this exciting area of interdisciplinary science.

Exhaled breath contains thousands of chemical compounds. It has been used for disease diagnosis since ancient times, and is a rich medium for biomarker discovery. Our programme will include speakers from both industry and academia, with sessions covering analytical science, clinical science and data analysis. This scientific meeting is funded by the RSC Analytical Division and the pan-European project, BreathDx.

Our invited speakers include:

Lieuwe Bos, *Researcher in Intensive Care Medicine, Academic Medical Center, University of Amsterdam*

Exhaled breath metabolomics as diagnostic test for acute respiratory distress syndrome

Paul Dark, *Reader and Honorary Consultant in Critical Care Medicine, Institute of Inflammation and Repair, University of Manchester and Salford Royal NHS Foundation Trust*

Developing Diagnostic Technologies to Deliver Value-Based Medicine

Stephen Fowler, *Senior Lecturer and Honorary Consultant in Respiratory Medicine, Institute of Inflammation and Repair, University of Manchester, University Hospitals South Manchester and Lancashire Teaching Hospitals NHS Foundation Trusts*

Breath Analysis in Airways Diseases

Hugo Knobel, *Technologist, Test Materials and Analysis, Philips Innovation Services*

Optimisation of Human Breath Sampling for Volatile Organic Compound Analysis

Tamara Nijsen, *Senior Scientist, Chronic Disease Management, Philips Research*

BreathDx: Bedside Monitoring of Infection Based on Exhaled Breath

Nicholas Rattray, *Experimental Officer, SynBioChem Centre, Manchester Institute of Biotechnology, The University of Manchester*

Technical Challenges and Advancements in Developing Sensing Platforms in Breath Metabolomics

James Reynolds, *Senior Experimental Officer, Department of Chemistry, Loughborough University*

Non-invasive Measurement of Physiological and Psychological Stress by Breath Analysis

Hans Weda, *Senior Scientist, Patient Care and Measurements, Philips Research*

Data Analysis Challenges in Breathomics

There is no fee for this meeting, however registration is required. Please email waqar.ahmed@postgrad.manchester.ac.uk in advance for registration