

Stratified, Personalised or P4* Medicine: A new direction for placing the patient at the centre of healthcare and health education

Tuesday 12 May 2015 at the Heartbeat Education Centre, Southampton General Hospital

09:30 – 10:00	Registration
Introduction and welcome	
10:00 – 10:15	<p>Introduction to the Academy of Medical Sciences' report 'Realising the potential of stratified medicine'</p> <p>Professor Sir John Tooke PMedSci, President of the Academy of Medical Sciences; Vice Provost (Health), Head of the School of Life & Medical Sciences, and Head of the Medical School, UCL</p>
The promise of stratified medicine Chair: Professor Sir John Tooke PMedSci	
10:15 – 10:30	<p>Towards more precise medicine for the diagnosis, treatment and prevention of disease – UK and European perspectives</p> <p>Professor Stephen T Holgate FMedSci, MRC Clinical Professor of Immunopharmacology, University of Southampton</p>
10:30 – 10:45	<p>Leveraging Big Data to advance stratified medicine in Europe</p> <p>Dr Nathalie Kayadjanian, Senior Scientific Officer, Science Europe</p>
10:45 – 11:00	<p>The 100k Genome Project and Genomics England</p> <p>Professor Mark Caulfield FMedSci, Co-director of the William Harvey Research Institute, Centre Lead for Clinical Pharmacology, Queen Mary University London</p>
11:00 – 11:30	Q&A
11:30 – 11:45	Tea & coffee
Approaches to the stratification of human disease Chair: Professor Jens Lundgren	
11:45 – 12:00	<p>Cancer as a model for targeted diagnosis and treatment</p> <p>Professor Peter Johnson FRCP FMedSci, Director of Southampton Cancer Research UK (CRUK) Centre and CRUK's Chief Clinician</p>
12:00 – 12:15	<p>Adoption of personalised medicine for the therapeutic and diagnostic industries</p> <p>Professor Jonathan K C Knowles, former Head of Group Research and Member of the Executive Committee at Roche, Distinguished Professor in Personalised Health Care, Finnish Institute for Molecular Medicine, University of Helsinki, Visiting Professor, University of Oxford</p>
12:15 – 12:30	<p>The stratification of human disease across the lifecourse</p> <p>Professor Cyrus Cooper FMedSci, Director of the MRC Lifecourse Epidemiology Unit (LEU), University of Southampton, Chairman of the Committee of Scientific Advisors, International Osteoporosis Foundation</p>
12:30 – 13:00	Q&A
13:00 – 13:45	Lunch

Interdisciplinary approaches to stratified medicine	
Chair: Professor Richard Trembath FMedSci	
13:45 – 14:00	<p>Application of informatics to study the epidemiological and molecular aetiological basis of chronic disease</p> <p>Professor Andrew Morris FRSE FMedSci, Professor of Medicine, Director of the Usher Institute for Population Health Sciences and Informatics, Vice Principal - Data Science, University of Edinburgh and Director of the Scottish Farr institute for Scotland, Chief Scientist (Health) in Scotland</p>
14:00 – 14:15	<p>Biomarker discovery through creating an “information commons”: the EU Innovative Medicines Initiative U-BIOPRED project.</p> <p>Professor Ratko Djukanovic FRCP, Professor of Respiratory Medicine, Director of the Southampton NIHR Respiratory Biomedical Research Unit</p>
14:15 – 14:30	<p>Diagnostics and molecular pathology</p> <p>Dr Tito Bacarese-Hamilton, Chief Technology Officer, EKF Diagnostics</p>
14:30 – 14:45	<p>Exploiting informatics to mine medical data for improved patient health - the Human Brain Project</p> <p>Professor Richard Frackowiak, Chair of the Medical Sciences Committee, Science Europe and Head of the Department of Clinical Neurosciences, University of Lausanne</p>
14:45 – 15:15	Q&A
15:15 – 15:30	Tea & coffee
The future of stratified healthcare	
Chair: Professor John Iredale FRSE FMedSci	
15:30 – 15:45	<p>Uptake of personalised medicine by the healthcare provider</p> <p>Professor Jens Lundgren, Professor of Viral Disease, University of Copenhagen and Rigshospitalet</p>
15:45 – 16:00	<p>The need to incorporate stratified medicine into medical education</p> <p>Professor Karen Temple FRCP, Professor of Medical Genetics University of Southampton</p>
16:00 – 16:15	Q&A
16:15 – 16:30	<p>Concluding remarks</p> <p>Professor John Iredale FRSE FMedSci (training) and Professor Richard Trembath FMedSci (practice)</p>
16:30	Close

A display of posters relating to current stratified medicine projects, including the work of the Medical Research Council’s Stratified Medicine Consortia, will be on display throughout the day.

*P4: Predictive, Preventive, Personalised, and Participatory medicine