

# The Second Annual Course on The Impact of Genomics on Public Health

6<sup>th</sup> & 7<sup>th</sup> November 2014

Park Inn Hotel, Cardiff City Centre

Thursday 6<sup>th</sup> November

10.00 – 10.20 Coffee and Registration

**Morning Session Chaired by  
Dr Ruth Hussey OBE, Chief Medical Officer, Welsh Government**

- 10.30 Epidemiology goes beyond DNA and a single generation  
*Professor Marcus Pembrey, Emeritus Professor of Paediatric Genetics, Institute of Child Health, University College London*
- 11.00 Epigenetics and cardio-metabolic diseases  
*Dr Graham Burdge, Institute of Developmental Sciences, Southampton*
- 11.30 Twin research and common complex disorders  
*Professor Chris Hammond, Departments of Ophthalmology & Twin Research & Genetic Epidemiology, Kings College, London*
- 12.00 Epigenetics should be shaping our Public health policy  
*Dr Layla Jader, Course Director and Consultant in Public Health Medicine (Public Health Genomics), Public Health Wales*
- 12.30 Discussions

1.00 – 2.00 Lunch

**Afternoon Session Chaired by  
TBA**

- 2.00 Recent Advances in Genetics and Genomics Science  
*Professor Julian Sampson, Institute of Medical Genetics, Cardiff University*
- 2.30 Pharmacogenetics  
*Professor Munir Pirmohamed, Department of Pharmacogenetics, University of Liverpool*
- 3.00 – 3.30 Tea
- 3.30 The use of genome as a tool for epidemiologists  
*Professor George Davey Smith, School of Social & Community Medicine, University of Bristol*
- 4.00 Recent Advances in Laboratory Genetics Testing  
*Rachel Butler, Molecular Laboratory, All Wales Medical Genetics Service*
- 4.30 An overview of cancer genetics and personalised prevention  
*Professor Paul Pharoah, Centre for Cancer Genetic Epidemiology, Department of Public Health & Primary Care, University of Cambridge*
- 5.00 Discussion
- 5.30 Close

Friday 7<sup>th</sup> November

9.00 - 9.20 Coffee and Registration

**Morning Session Chaired by  
Professor John Ashton, President, Faculty of Public Health, London**

9.30 Genetic-lifestyle interaction in obesity & diabetes  
*Dr Robert Scott, MRC Epidemiology Unit, University of Cambridge*

10.00 Molecular genetics of alcohol dependence  
*Dr Andrew McQuillin, Molecular Psychiatry Laboratory, UCL*

10.30 – 11.00 Coffee

11.00 Genomics and bacterial pathogens  
*Dr Stephen Bentley, The Wellcome Trust Sanger Institute*

11.30 Genomics in health care and mainstream medicine  
*Dr Hilary Burton, PHG Foundation, Cambridge*

12.00 Genetics and genomics in primary care  
*Professor Nadeem Qureshi, Faculty of Medicine & Health Sciences, Nottingham University*

12.30 Discussion

1.00 – 2.00 Lunch

**Afternoon Session Chaired by  
TBA**

2.00 Ethical, legal and social aspects of public health genomics  
*Mark Taylor, School of Law, University of Sheffield*

2.30 Genetic risk, motivation and behavior  
*Dr Ceri Phelps, School of Social Sciences, Swansea Metropolitan University*

3.00 Consumers' expectations from genomic applications  
*Mr Alastair Kent Genetic Alliance UK*

3.30 Discussion

4.00 Close

