

Improving Clinical & Diagnostic PCR

9th May 2006 – Birkbeck College, London

- 09:00 – 09:20** **Registration – Tea, coffee and biscuits**
- 09:20 – 09:30 **Introduction by the Chair:** Dr Ralph Rapley - Department of Biosciences, University of Hertfordshire
- 09:30 – 10:00 **Real-Time Reverse Transcription PCR and molecular staging in Colorectal Cancer**
Professor Stephen A. Bustin, Institute of Cell and Molecular Science, Barts and the London, Queen Mary's School of Medicine and Dentistry, University of London
- 10:00 – 10:30 **Int22h-related inversions causing haemophilia A: a new more discriminant PCR test for their detection**
Dr Richard Bagnall - Department of Medical and Molecular Genetics, King's College School of Medicine, Guy's Hospital, London
- 10:30-11:00 **Molecular diagnosis of tropical infectious diseases**
Dr Jim Huggett, Centre for Infectious Diseases & International Health, University College London
- 11:00 – 11:30** **Morning coffee/tea break in the exhibition hall**
- 11:30 – 12:00 **Multiplex Real-time PCR assays for human infectious disease detection**
Dr Vicki Chalker - Respiratory and Systemic Infection Laboratory, Health Protection Agency Centre for Infections, London
- 12:00 – 12:30 **Molecular detection and characterisation of human enteroviruses directly from clinical samples using RT-PCR and DNA sequencing**
Dr Iturriza-Gomara M, - Enteric Virus Unit, Virus Reference Division, Centre for Infections, Health Protection Agency, London.
- 12:30 – 13:00 **Diagnosis of foot-and-mouth disease by RT-PCR at the IAH Pirbright: a review**
Dr Scott Reid - Institute for Animal Health, Pirbright Laboratory
- 13:00 – 14:00** **Lunch in the exhibition hall**
- 14:00 – 14:30 **PCR applications in medical microbiology**
Dr Craig Winstanley – University of Liverpool
- 14:30 – 15:00 **Implementation of conventional and real-time PCR for routine diagnosis of Helicobacter pylori infection and antibiotic resistance**
Dr Stephanie Chisholm - Health Protection Agency Centre for Infections Campylobacter and Helicobacter Reference Unit London
- 15:00 – 15:30 **Accurate gene expression profiling - facing the issues of normalisation and efficiency.**
Dr Tania Nolan, Sigma-Genosys
- 15.30 – 16:00** **Afternoon Tea/Coffee and cakes in the exhibition hall**
- 16:00 – 16:30 **Taqman vs Molecular Beacons. Towards an improved probe configuration for Real-Time PCR detection**
Dr Richard Powell - Southampton University School of Medicine
- 16:30 – 17:00 **Development of a universal primer set for flaviviruses**
Dr S. Maher, School of Molecular and Microbial Sciences, University of Queensland, Australian Biosecurity CRC, St Lucia, QLD, Australia.
- 17:00** **Close**

