
Potential and Pitfalls of TMA: Quality data or adding to the noise?

A workshop hosted by the NCRI Biomarkers and Imaging Clinical Studies Group

Postgraduate Multidisciplinary Education Centre
Queens Medical Centre Campus
Nottingham University Hospitals Trust

17th May 2012
10:00 – 18:30

Chairs: Dr Heike Grabsch and Prof. Mohammad Ilyas

10:00 - 10:30 Registration and Coffee

10:30 - 11:00 General Introduction

- 10:30 - 10:35 **Introduction to the workshop**
Dr Heike Grabsch, University of Leeds & Prof. Mohammad Ilyas, Pathological Society of Great Britain and Ireland
- 10:35 - 10:45 **The utility of TMAs – an academic perspective**
Prof. Ian Ellis, University of Nottingham
- 10:45 - 10:55 **The utility of TMAs – an industrial perspective**
Prof. Chris Womack, AstraZeneca
- 10:55 - 11:00 **The utility of TMAs – the funders perspective**
Prof. Bob Brown, Imperial College London

11:00 - 12:30 Workshop Session I: TMA Construction and Design

Chaired by Dr Dan Berney, Bart's and The London School of Medicine and Dentistry & Prof. Dean Fennell, Queen's University, Belfast

- 11:00 - 11:15 **How to construct a TMA**
Prof. Manuel Salto-Tellez, Queen's University Belfast
- 11:15 - 11:30 **TMA disasters and how to avoid them**
Dr Heike Grabsch, University of Leeds
- 11:30 - 11:45 **TMA design and how to avoid statistical disasters**
Mr Martin Jenkins, AstraZeneca
- 11:45 - 12:30 **Panel of Chairs and Speakers, and audience discussion**

12:30 - 13:30 Lunch

13:30 - 15:00 Workshop Session II: TMA scoring

Prof. Mohammad Ilyas, Pathological Society of Great Britain and Ireland &
Prof. Chris Womack, AstraZeneca

13:30 - 13:45 **Facts, artifacts and interpretative differences**
Prof. Göran Landberg, University of Manchester

13:45 - 14:00 **Quantum dots in TMAs**
Dr Richard Byers, University of Manchester

14:00 - 14:15 **Automated image analysis**
Dr Darren Treanor, University of Leeds

14:15 - 15:00 **Panel of Chairs and Speakers, and audience discussion**

15:00 - 15:30 Tea/Coffee

15:30 - 17:00 Workshop session III: Bioinformatics and Data Handling

Chaired by Prof. David Harrison, University of St Andrews

15:30 - 15:45 **Scanning and databasing**
Dr Andy Green, University of Nottingham

15:45 - 16:00 **Data analysis**
Prof. Graham Ball, Nottingham Trent University

16:00 - 16:15 **Open access data**
Prof. Peter Hamilton, University of Belfast

16:15 - 17:00 **Panel of Chairs and Speakers, and audience discussion**

17:00 - 17:30 Recommendations on Minimum Information for Tissue Microarray Experiments

Panel of all the Chairs and Speakers and audience discussion chaired by Prof. Bob Brown

17:30 - 18:30 Networking and Tea & Coffee