

# The Liquid Biopsy: ctDNA, Circulating Tumour Cells and Bloodborne Biomarkers

 Thursday 8th March, 09:00–17:00

 Max Rayne Auditorium, Royal Society of Medicine, 1 Wimpole Street, London, W1G OAE

The biomarker workshop series aims at discussing the current and future challenges of innovative biomarker developments, and agreeing on the barriers for delivery of clinical diagnostics assays. The second workshop is organised by the CM-Path Discovery Workstream for the following objectives:

- Circulating tumour cell and ctDNA - where are we now?
- Recent advances in technology - where are we going?
- Applications in research & clinical trials
- Benefits and barriers to widespread adoption in clinical practice.

## Agenda

09:00	Arrival and registration	
09:30	Welcome and Introduction	Professor Gareth Thomas
<b>Plenary Session 1: Liquid Biopsy – Detection of Circulating Tumour DNA</b>		
Session Chair: Dr Maggie Cheang		
9.40	Introduction to liquid biopsy	Dr David Guttery
10.05	Validation of ctDNA mutation detection in clinical practice	Dr Andrew Wallace
10.30	ctDNA detection in early-stage NSCLC: a TRACERx experience	Dr Chris Abbosh
10.55	Panel Discussion	
11:30	Coffee	
<b>Keynote Lecture 1</b>		
12.00	ctDNA in clinical trials and breast cancer	Professor Nick Turner
12.50	Lunch	
<b>Plenary Session 2: Showcasing Excellence in Trainee Research</b>		
Session Chair: Professor Mark Arends		
13:50	Overview of Pathological Society funding opportunities	Professor Mark Arends
	An integrated genomic analysis of DCIS tissue: defining a molecular signature for stratified therapy	Dr Philip Elliott
	Single cell RNA sequencing of non-small cell lung cancer: characterising heterogeneity in the cancer-associated fibroblast population	Dr Sara Waise
	Mobilising FFPE tissue archives for soft tissue sarcoma research	Dr Alex Lee
	Modelling breast cancer in human tissue	Dr Kalnisha Naidoo
14.50	Coffee	
<b>Plenary Session 3: Clinical Application of Liquid Biopsy</b>		
Session Chair: Dr Guy Betts		
15.20	Detection of CTCs in lung cancer	Professor Fiona Blackhall
<b>Keynote Lecture 2</b>		
16:05	Future implications of liquid biopsy and ctDNA in clinical practice	Professor Nitzan Rosenfeld
16.55	Prize announcements	Dr Guy Betts
17.00	Close	