

A Practical Guide to Pathology Research; Using FFPE Tissue

 Tuesday 2nd April, 9.30-16.30

 Max Rayne Auditorium, Royal Society of Medicine, 1 Wimpole Street, London, W1G 0AE

- The meeting will focus on advances in tissue-based research and presents a practical guide to developing your research ideas. We will cover:
- Latest advances in technology including FFPE based whole genome sequencing, multiplex tissue assays and single cell analysis.
 - Sources of research funding and opportunities for support and collaboration for pathology-based research.
 - Practical guide for becoming involved with tissue-based research including; ethical and legal considerations, developing a tissue archive to support research, supporting clinical trials and developing ideas for translational research

Agenda

09:00 Arrival and registration		
09.30	Welcome and Introduction	Professor Gareth Thomas
Session 1: Single Cell FFPE Research		
Session Chair: Maggie Cheang		
09.35	Single gene, NGS and Whole Genome Sequencing from FFPE; DNA and RNA and Quality control considerations	Dr Rachel Butler
09.55	Methylation analysis	Dr Tim Fenton
10.15	Fresh tissue analysis – flow sorting and single cell sequencing	Dr Chris Hanley
10.35	Trainee presentation 1	TBC
10.45	Trainee presentation 2	TBC
10.55	Panel Discussion	
11:10 Coffee		
Session 2: Global Analysis and Spatial Resolution Technology		
Session Chair: Guy Betts		
11.30	Proteomics and Mass Spectrometry	Dr Tiffany Porta
11.50	Multiplex Technologies and Image Analysis	Dr Teresa Marafioti
12.10	Experimental Microscopy	Mr Steve Bagley
12.30	Trainee presentation 3	TBC
12.40	Trainee presentation 4	TBC
12.50	Panel Discussion	
13.05 Lunch Poster session – Trainees demonstrating research Industry Presentations – 3 slots of 15 minutes each		
Session 3: How to turn your pathology archive into a research tissue bank		
Session Chair: Gareth Thomas		
14.30	Turning a pathology archive into a research tissue bank	Dr Bridget Wilkins
14.50	Ensuring sample quality?	Ms Jane Hair
15.10	Panel Discussion	
15.25 Coffee		
Session 4: Research collaboration		
Session Chair: Susan Richman		
15.45	From pathology archive to targeted therapy	Professor Gareth Thomas
16.05	Pathology analysis in clinical trials	Dr Nick West
16.25	Developing ideas: Translational study design	Dr Maggie Cheang
16.35	Discussion	
16.45	Summary and award ceremony	Organising committee

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