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CRUK City of London Centre & The Francis Crick Institute Facilities Day

Tuesday 17 June 2025

Staff Common Room, Marshgate Building, 7 Sidings Street, UCL East campus, London, E20 2AE

08.45 Registration and refreshments

09.15 Introduction and welcome

Prof. Tariq Enver, CRUK City of London Centre Director

New perspectives and best practice

Chair: Emma Cash, Senior Lab Research Scientist, Cell Science STP, Francis Crick Institute and Dr Kurt Anderson, Advanced Light Microscopy STP Head, Francis Crick Institute

09.30 Clinical research in the 21st Century – opportunities and considerations

Dr Jennifer Hay, Human Biology Facility STP Director, Francis Crick Institute

09.40 From idea to in vitro: bridging design, engineering, and biology to create scalable experimental platforms

Albane Imbert, Making Lab STP Head, Francis Crick Institute

09.50 Why is dosimetry necessary for the success of preclinical radiotherapy and radiobiology research?

Dr Ileana Silvestre Patallo, Senior Scientist, National Physical Laboratory and Dr Rebecca Carter, Preclinical Radiotherapy Translational Technology Platform Manager, UCL

10.00 Open discussion

10.20 Refreshments

10.45 Collaborative working between different institutions

Round table discussion

Novel methodologies

Chair: Chaz Mein, Genome Centre Head, QMUL and Tania Auchynnikava, Proteomics STP Deputy Head, Francis Crick Institute

11.20 Multiplexed phosphoproteomics of low cell numbers using SPARCE

Dr Silvia Surinova, Proteomics Research Translational Technology Platform Lead, UCL

11.30 SCOP facility at King's College London: driving innovations in single-cell transcriptomics

Dasha Freydina, Single Cell Omics Platform Manager, KCL

11.40 Metabolomics: getting to know you inside and out

Dr James MacRae, Metabolomics STP Head, Francis Crick Institute

11.50 Open discussion

12.10 Lunch

New technologies and capabilities

Chair: Dr Yanping Guo, Flow cytometry Translational Technology Platform Manager, UCL and Dr Yasmin Haque, Flow Cytometry Facilities Specialist, KCL



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- 13.10 **Benchtop MesoSPIM: Build your own lightsheet microscope for 3D imaging of intact cleared tissues**
Dr Tchern Lenn, Microscopy and Imaging Translational Technology Platform Senior Technician, UCL
- 13.20 **Tissue cyclic fluorescence: tumour interrogation made easy**
Joseph Hartlebury, T-CyCIF Core Lead, Barts Cancer Institute, QMUL
- 13.30 **Perspective of a small Flow Cytometry Facility on technology development**
Dr Manuela Terranova Barberio, Flow Cytometry Core Manager, Barts Cancer Institute, QMUL
- 13.40 **Open discussion**

14.00 Refreshments

Evolving facilities and career development

Chair: Dr Sam Marguerat, Genomics & Bioinformatics Translational Technology Platform Lead, UCL and Dr Michael Howell, High Throughput Screening STP Head, Francis Crick Institute

- 14.20 **The evolution of a bioinformatics and biostatistics platform**
Richard Mitter, Bioinformatics and Biostatistics STP Deputy Head, Francis Crick Institute
- 14.30 **Spatial transcriptomics through the lens of topology and geometry**
Dr Anthony Baptista, Postdoctoral Research Fellow at the Spatial Biology Facility, KCL
- 14.40 **Developing people's careers in a Science Technology Platform**
Andy Riddell, Flow Cytometry STP Head, Francis Crick Institute
- 14.50 **Open discussion**
- 15.10 **Future needs and developments in technology and skills?**
Round table discussion
- 15.50 **Closing remarks**
Dr Elisabete Silva, STP Director, Francis Crick Institute

16.00 Reception and refreshments

This Symposium is partly sponsored by



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