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UCL, King's,
Barts &
the Crick

CRUK City of London Centre TME, Imaging and Translation Symposium (Theme 2)

Wednesday 14th May 2025

Jeffery Hall, UCL Institute of Education, 20 Bedford Way, London, WC1H 0AL

08.45 Registration and refreshments

09.20 Introduction and welcome - Prof. Kairbaan Hodivala-Dilke

Session 1 – Imaging

Chair: Prof. Tim Witney, KCL

09.30 Keynote – Imaging tumour metabolism and its heterogeneity

Prof. Ferdia Gallagher, CRUK Cambridge Centre

10.05 Combining imaging, computational modelling and deep learning to create personalised models of disease

Prof. Simon Walker-Samuel, UCL

10.25 Targeting ALDH1A1 for the identification and treatment of therapy resistant cancers

Dr Sofia dos Santos, Postdoctoral Fellow, KCL (PI: Tim Witney)

10.45 Multimodal reporter gene imaging to assess tumour microenvironment dynamics

Dr Gilbert Fruhwirth, KCL

11.05 Refreshments

Session 2 – Tumour Microenvironment

Chair: Dr Oliver Pearce, BCI/QMUL

11.35 Keynote – Mining morphology: genotype through phenotype and more

Prof. Louise Jones, BCI/QMUL

12.10 Mapping the human FRC Network to predict outcome in breast cancer patients

Dr Kalnisha Naidoo, KCL

12.25 Vascular endothelial cell plasticity/remodelling and responses to radiotherapy in lung cancer

Dr Rita Pedrosa, Postdoctoral Fellow, BCI/QMUL (PI: Kairbaan Hodivala-Dilke)

12.45 Emergency granulopoiesis in cancer progression

Dr Ilaria Malanchi, Crick

13.05 Determining how and why the TME changes over time

Dr Erik Sahai, Crick

13.25 Lunch and science speed dating (13.40-14.25)

Session 3 – Translation

Chair: Prof. Tony Ng, KCL

14.35 Solid tumour immunotherapy using NKG2D-based adaptor CAR T cells

Dr John Maher, KCL

14.55 Heterogeneity of biomarkers for immunotherapy response prediction and impact on outcome prediction in patients with non-small cell lung cancer

Dr Crispin Hiley, UCL

15.15 **Oncology molecular imaging at KCL/GSTT**

Prof. Gary Cook, KCL

15.35 Refreshments

16.05 **Keynote – Cancer imaging with total-body positron emission tomography**

Prof. Simon Cherry, UC Davis Biomedical Engineering

16.40 **Panel discussion – keynote speakers and organising committee**

17.10 **Closing remarks - Prof. Tim Witney**

17.15 Reception and refreshments

This Symposium is partly sponsored by

