

**CANCER  
RESEARCH  
UK**

**City of  
London  
Centre**

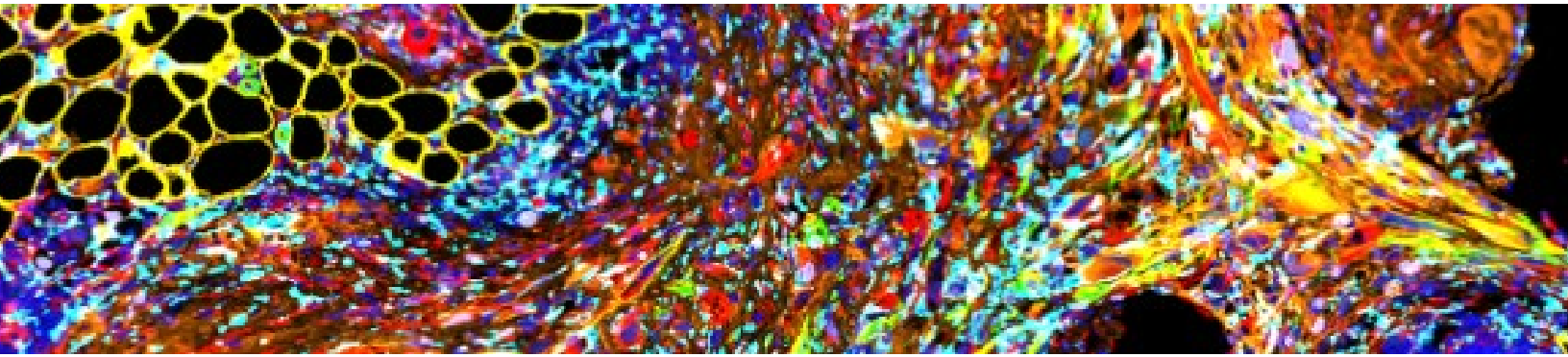
**UCL, King's,  
Barts &  
the Crick**

# **CRUK City of London Centre Theme 1 Workshop 2024 3D models of the tumour microenvironment**

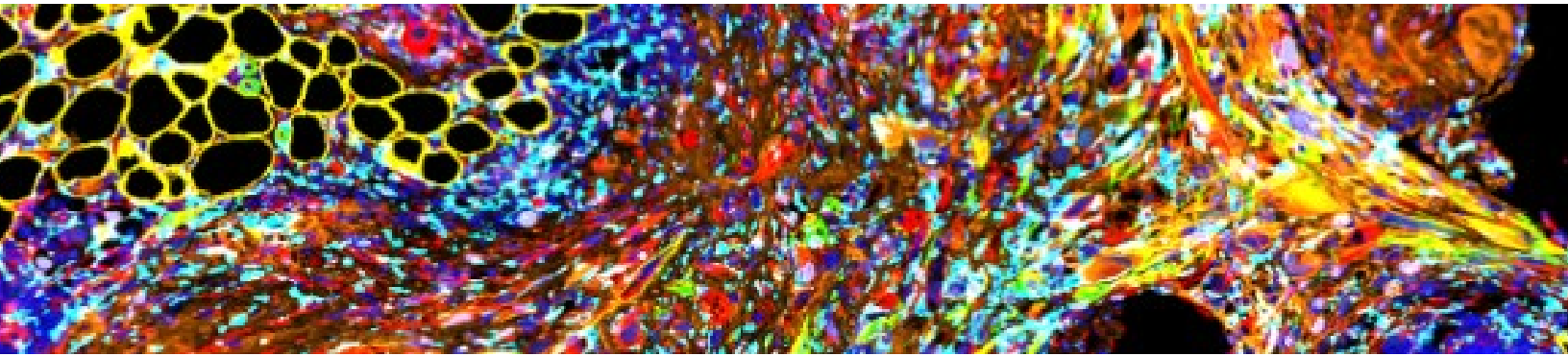
**Francis Crick Institute – Manby Gallery**

**Tuesday, 5<sup>th</sup> March 2024**

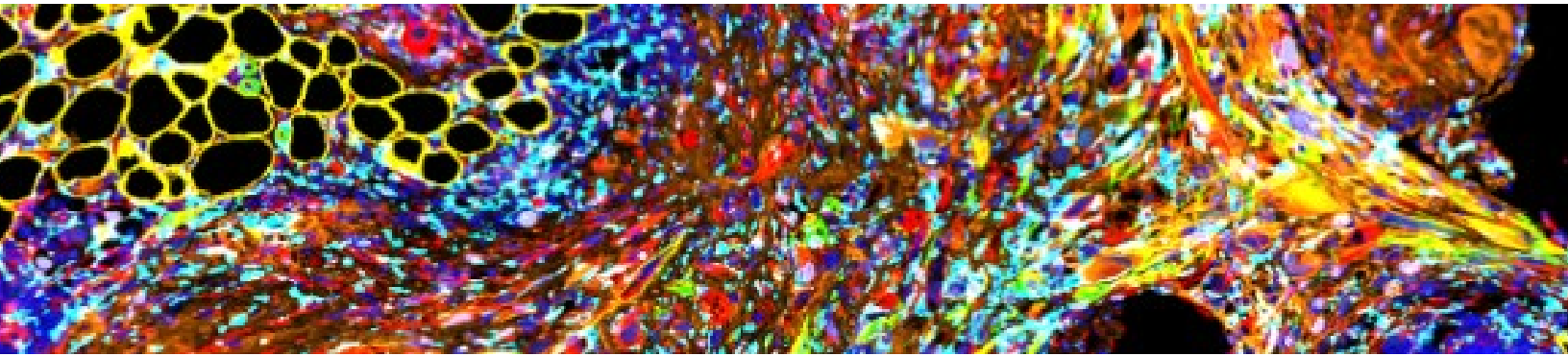
<b>9.00 – 9.15am</b>	<b>Registration and breakfast</b>
<b>9.15 – 9.20am</b>	<b>Opening remarks – Introduction to CRUK CoL Centre</b> <b>Frances Balkwill</b>
<b>9.20 – 10.00am</b>	<b>Keynote Speaker: Bethan Psaila (Oxford University)</b> <i>Modelling niche influences on malignant haematopoiesis</i>
<b>10.00 – 11.00am</b>	<b>Morning session</b> <b>Chair: Umber Cheema</b>  <u>Mabel Baxter Dalrymple (KCL)</u>



	<p><i>Investigating novel roles for nuclear F-actin in 3D models of breast cancer</i></p> <p><u>Eirini Velliou (UCL)</u> <i>Engineering spatially advanced multicellular models of pancreatic cancer for chemoradiotherapy testing</i></p> <p><u>Cerian Lucy Bolton (Barts Cancer Institute, QMUL)</u> <i>Using 3D spheroids to dissect eph-ephrin signalling in stellate-led PDAC invasion.</i></p>
<b>11.00 – 11.20am</b>	<b>Facility talk: Explant and Patient – Derived Xenograft Core</b> Mansi Shah (UCL)
<b>11.20 – 11.45am</b>	<b>Coffee break and poster viewing</b>
<b>11.45am – 12.45pm</b>	<p><b>Morning Session II</b> <b>Chair: Chris Tape</b></p> <p><u>James Opzoomer (Cancer Institute, UCL)</u> <i>SIGNAL-seq: Multimodal single-cell transcriptome and intracellular signalling analysis of 3D cancer models</i></p> <p><u>Victorio Barbè (Crick)</u> <i>Innovative Methods in Tumour Organoid Cultivation: Within the TRACERx Lung Cancer Evolution Study</i></p> <p><u>Rute Ferreira (Crick)</u> <i>Peripheral nerve regulation of cancer predisposition</i></p>



<p><b>12.45 – 1pm</b></p>	<p><b>Poster presentations – flash talks</b></p> <p><u>Iain Goulding (QMUL)</u> <i>The Breast Cancer Now Cell Bank</i></p> <p><u>Luke Farrow (UCL)</u> <i>A home away from home for osteosarcoma: Developing an organotypic platform to improve therapy discoveries</i></p> <p><u>Salma Galal (UCL)</u> <i>Development of a 3D breast tumour model for mechanistic studies and therapeutic screening</i></p>
<p><b>1.00 – 2pm</b></p>	<p><b>Lunch</b></p>
<p><b>2.00 – 3.00pm</b></p>	<p><b>Afternoon session</b> <b>Chair: Frances Balkwill</b></p> <p><u>Maria Hawkins (UCL)</u> <i>Mapping proton radiation response of colorectal liver metastases using patient-derived precision cut tissue slices</i></p> <p><u>Virginia Laspidea (UCL)</u> <i>Radiotherapy and CAR T cell combination for paediatric sarcomas</i></p> <p><u>Emad Moeenderbary (UCL)</u></p>



	<i>Cancer cell mechanics: the impact of tumour microenvironment</i>
<b>3.00 – 3.30pm</b>	<b>Tea Break and poster viewing</b>
<b>3.30 – 4.30pm</b>	<p><b>Afternoon session II</b>  <b>Chair: Simon Poland</b></p> <p><u>Jenny Gehlen (KCL)</u>  <i>A synthetic hydrogel system to model the microenvironment of the developing pancreas</i></p> <p><u>Beatrice Malacrida (Barts Cancer Institute, QMUL)</u>  <i>Using a 3D pentaculture model of high grade serous ovarian cancer to study macrophage behaviour and targeted therapy</i></p> <p><u>Richard Beatson (KCL/UCL)</u>  <i>Chemotherapeutic regulation of the ROS/MondoA-dependent TXNIP/GDF15 axis; and derivation of a new organoid metric as a predictive biomarker.</i></p>
<b>4.30 – 6.30pm</b>	<b>Drinks reception</b>