Workshop: 3D models of the tumour microenvironment

📅 15th February

📍 UCL Centre for 3D models of Health and Disease - Charles Bell House 43-45 Foley Street, London, England, W1W 7TY

9.30 – 10.00am	Registration and breakfast
10.00 – 10.15am	**Opening remarks – Introduction to CRUK CoL Centre** **Frances Balkwill**
10.15 – 11.15am	**Session 1** **Chair: Umber Cheema** **Oliver Pearce** Barts Cancer Institute *Targeting tumour extracellular matrix to improve response to therapy* **Tamara Fawzi** Kings College London *In vitro modelling of matrix cues in Inflammatory Bowel Disease* **Tom Phillips** Kings College London *A method for reproducible high-resolution imaging of 3D cancer cell spheroids and surrounding ECM*

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11.15 – 11.35am	Coffee break
11.35 am – 12.35pm	**Session 2** **Chair: Chris Tape** **Callum Natress** University College London *Single-Cell Signalling Analysis of Engineered γδ T cell Biotherapeutics for the Treatment of Colorectal Cancer* **Joash Joy** Barts Cancer Institute *3D in vitro models uncover malignant cell intrinsic and extrinsic mechanisms of CAR-T cell resistance in high grade serous ovarian cancer* **Marianne Best** Kings College London *Using a 3D spheroid co-culture system to investigate the transcriptomic effect of p21-activated kinase (PAK) inhibition on the Pancreatic Tumour Microenvironment*
12.35 – 1.30pm	Lunch
1.30 – 2.30pm	**Session 3** **Chair: Karen Straathof** **Florian Laforets** Barts Cancer Institute *Semi-Supervised Analysis of myeloid and T cell behaviour in ex vivo ovarian tumour slices reveals changes in cell motility after treatments* **Mansi Shah** University College London *Patient-Derived Explants (PDE) as a Pre-Clinical Model for Cancer Immunotherapies* **Syed Mian** Francis Crick Institute *Identification of Dysregulated Ligand-Receptor Landscape in Myelodysplasia*

2.30 – 3.00pm	**Tea Break**
3.00 – 4.00pm	**Session 4** **Chair: Simon Poland** **Colin Ratcliffe** Francis Crick Institute *Non-genetic heterogeneity underpins a collective response to Akt kinase inhibition* **Felipe Rodriguez** Francis Crick Institute *The metastatic niche: a mirror of cancer cell stemness* **Deniz Bakkalci** University College London *Deciphering tumour-stroma interactions in 3D models*
4.00pm onwards	**Drinks reception**