

1st Crick International Cancer Conference programme

Day 1 – Sunday 24 September

15.00 – 16.30 **Registration**

16.45 – 17.00 **Welcome**
Sir Harpal S. Kumar - Cancer Research UK, London, UK



Opening keynote lectures
Chair: **Karen Vousden** - Francis Crick Institute, London, UK

17.00-18.00 **Lewis Cantley** - Meyer Cancer Center, Cornell Medical College, New York, USA
Phosphoinositide 3-Kinase and cancer metabolism

18.00-19.00 **Lisa Coussens** - Oregon Health and Science University, USA
Neutralizing Protumor Inflammation: lessons learned from preclinical mouse models

19:00-20:30 **Opening reception**

nature



**nature
cell biology**



Following the keynote lectures is the Opening Reception. This is the perfect opportunity to meet new colleagues, foster collaborations and reconnect with friends. Drinks and canapés will be provided.

This reception has been supported by Nature, Nature Communications, Nature Cell biology and Nature Reviews Cancer.

Day 2 – Monday 25 September

Session 1: Metabolism
Chair: **Dimitrios Anastasiou** - Francis Crick Institute, London, UK

09.00-09.30 **Matt Vander Heiden** - Broad Institute, Boston, USA
Determinants for how metabolism supports cancer progression

09.30-10.00 **Arkaitz Carracedo Perez** - CIC bioGUNE, Bilbao, Spain
Fuel and oil of the cancer engine

10.00-10.30 **Sarah-Maria Fendt** - VIB-KU Center for Cancer Biology, Belgium
Nutrient metabolism – A driver of cancer

10.30-11.00 **Refreshment break - exhibition viewing**

11.00-11.30	Ralph DeBerardinis - UT Southwestern, Dallas, USA Understanding metabolic phenotypes in human cancer
11.30-12.00	Ayelet Erez - Weizmann Institute of Science, Rehovot, Israel The role of amino-acid metabolism in carcinogenesis
12.00-12.10 Short Talk	Guillermo Burgos-Barragan - MRC Laboratory of Molecular Biology, Cambridge, UK Mammals divert endogenous genotoxic formaldehyde into one-carbon metabolism
12.10-12.20 Short Talk	Anna Poetsch - Francis Crick Institute, London, UK Genomic landscape of oxidative DNA damage and repair reveals regioselective protection from mutagenesis
12.20-12.30 Short Talk	Fevzi Demircioglu - Barts Cancer Institute, London, UK Cancer associated fibroblast-FAK regulates malignant cell metabolism
12.30-14.00	Lunch - exhibition viewing
	Session 2: Tumour microenvironment Chair: Erik Sahai - Francis Crick Institute, London, UK
14.00-14.30	Jeff Pollard - The University of Edinburgh, UK Cancer educates myeloid cells to promote malignancy
14.30-15.00	Claus Jorgensen - CRUK Manchester Institute, UK Heterocellular interactions in the tumour microenvironment
15.00-15.30	Margaret Frame - Edinburgh Cancer Research UK Centre, UK Cancer cell polarization and immune evasion; co-regulation by the multitasking Focal Adhesion Kinase
15.30-16.00	Refreshment break - exhibition viewing
16.00-16.30	Johanna Joyce - Ludwig Institute of Cancer Research, University of Lausanne, Switzerland Exploring and exploiting the tumour microenvironment
16.30-17.00	Serena Nik-Zainal - Wellcome Trust Sanger Institute, Cambridge, UK Advances in the understanding of mutational signatures in human cells
17.00-17.10 Short talk	Esther Arwert - Francis Crick Institute, London, UK Heterotypic contacts between cancer cells and fibroblasts modulate immune recruitment and oncolytic virus efficacy
17.10-17.20 Short talk	Daniël Lionarons - Francis Crick Institute, London, UK The role of oncogenic RAC1 in melanoma initiation and progression
17.20-17.30 Flash posters	Heba Sailem - Oxford University & Institute of Cancer Research, UK Stefano Gambera - Instituto de Salud Carlos III, Majadahonda, Spain Clemency Jolly - Francis Crick Institute, London, UK Fiona Behan - WTSI, Cambridge, UK
17.30-19.30	Reception - poster viewing - exhibition viewing

Day 3 – Tuesday 26 September

Session 3: Tumour immune system interactions

Chair: **Julian Downward** - Francis Crick Institute, UK

- 09.00 – 09.30 **Karin de Visser**, Netherlands Cancer Institute, Amsterdam, The Netherlands
Cancer-induced systemic inflammation promotes breast cancer metastasis
- 09.30 – 10.00 **Ton Schumacher** - Netherlands Cancer Institute, Amsterdam, The Netherlands
T cell recognition in human cancer
- 10.00 – 10.30 **Sergio Quezada** - UCL Cancer Institute, London, UK
Targeting Immune regulation at the tumour site
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10.30 – 11.00 Refreshment break - exhibition viewing

- 11.00 – 11.30 **Luke O'Neill** - Trinity College Dublin, Ireland
Krebs cycle reprogrammed for cytokines
- 11.30 – 12.00 **Ugur Sahin** - Johannes Gutenberg University Mainz, Germany, BioNTECH
Individualized cancer immunotherapy
- 12.00 – 12.10 **Alison Caldwell** - University of Southampton, UK
Short talk
The emergence of a second contagious cancer in the Tasmanian devil reveals an advantageous MHC repertoire for tumour cell transmission
- 12.10 – 12.20 **Mirella Georgouli** - King's College London, UK
Short talk
Cancer actomyosin contractility supports immunosuppressive tumour microenvironments
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- 12.20 – 12.30 **Sara Waise** - University of Southampton, UK
Flash posters
Agata Krygowska - QMUL, Barts Cancer Institute, London, UK
Tamara Muliaditan - King's College London, UK
Kevin Ng - BC Cancer Research Centre, Vancouver, Canada
Tobias Janowitz - University of Cambridge, CRUK Cambridge Institute, UK
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12.30 – 14.00 Lunch - poster session - exhibition viewing



Session 4: Tumour heterogeneity and evolution

Chair: **Charles Swanton** - Francis Crick Institute, London, UK

- 14.00 – 14.30 **Alberto Bardelli** - University of Turin, Italy
Cancer evolution as a therapeutic target
- 14.30 – 15.00 **Frank Winkler** - DKFZ Heidelberg, Germany
When brain tumours reach out: Novel insights into intratumoral heterogeneity, progression, and therapy resistance
- 15.00 – 15.30 **Dana Pe'er** – Memorial Sloan Kettering Cancer Center, New York, USA
A single cell lens into EMT and metastasis
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15.30 – 16.00 Refreshment break - exhibition viewing

- 16.00 – 16.30 **Greg Hannon** - Cancer Research UK Cambridge Institute, UK
A model for functional study of breast cancer heterogeneity
- 16.30 – 17.00 **Jeff Engelman** - Novartis, USA
Title tbc
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17.00 – 17.15 Closing remarks