

Hybrid Conference Programme

Start (BST)	Finish (BST)	Presenter details
Wednesday 8 May 2024		
12:00	12:55	Registration, lunch and networking
12:40	12:55	<i>Briefing for Keynote & Session 1 speakers, microphone runners, chair, moderator & committee - Auditorium</i>
12:55	13:10	Welcome
		Wellcome Connecting Science: <i>Jane Murphy, Wellcome Connecting Science, UK</i>
		Scientific Programme Committee: <i>Athena Aktipis, Arizona State University, USA</i> <i>Rebecca Fitzgerald, University of Cambridge, UK</i> <i>Moritz Gerstung, Deutsches Krebsforschungszentrum (DKFZ), Germany</i> <i>Carlo Maley, Arizona State University, USA</i>
13:10	14:10	Keynote 1
		<i>Chair: Moritz Gerstung, Deutsches Krebsforschungszentrum (DKFZ), Germany</i> <i>Moderator: Athena</i>
		Clonal selection in normal tissues and its relation to cancer risk Núria López-Bigas, Institute for Research in Biomedicine Barcelona, Spain
14:10	14:15	Comfort break
14:15	15:45	Session 1: Phenotypic Plasticity and Evolution of Therapeutic Resistance
		<i>Chair: Rebecca Fitzgerald, University of Cambridge, UK</i> <i>Moderator: Moritz</i>
14:15	14:45	Mechanosensing in metastatic cancer Laura Machesky, University of Cambridge, UK
14:45	15:15	Cell state switches and local adaptation in cancer: insights from multi-omics, spatial and AI approaches Maria Secrier, University College London, UK
15:15	15:30	Intra-Tumour Evolutionary Dynamics Shaped by Inter-Clonal Synergistic Cooperation Can Enhance Metastasis <i>Caroline Carneiro, University of New Brunswick, Canada</i>
15:30	15:45	Evolvability Underlies Treatment Resistance: The Paradoxical Role of the Mutator Phenotype <i>David Basanta, Moffitt Cancer Center, United States</i>
15:45	16:30	Refreshment break and networking
16:15	16:30	<i>Briefing for Session 2 speakers, chair and moderator - Auditorium</i>
16:30	17:45	Session 2: Spatial Biology and Ecology
		<i>Chair: Moritz Gerstung, Deutsches Krebsforschungszentrum (DKFZ), Germany</i> <i>Moderator: Rebecca</i>
16:30	17:00	MicroLocation, Location, Location; the gastric microbiota invades the lamina propria in Helicobacter pylori-associated gastric carcinogenesis Amanda Rossiter, University of Birmingham, UK
17:00	17:15	Leveraging Spatial Transcriptomics to Map Complex Genotype-Phenotype Relationships in an Autochthonous Mouse Model of Tumour Heterogeneity <i>Artem Lomakin, DKFZ, Germany</i>
17:15	17:30	Immune selective pressure drives loss of clonal neoantigens in primary human tumors <i>Elizabeth Borden, University of Arizona College, USA</i>
17:30	17:45	Rewinding the tape: contingencies and constraints in early kidney cancer evolution <i>Scott Shepherd, The Francis Crick Institute, UK</i>
17:45	18:00	Modelling the effect of spatial heterogeneity in spatial structure and microenvironment on the evolutionary dynamics of precancer <i>Alvina Adimoejia, Stanford University, USA</i>
18:00	18:30	Poster pitch talks for odd number posters
18:30	19:30	Poster session 1 - odd number posters
19:30	21:00	Dinner
		Bar open (card payments only)

Thursday 9 May 2024		
7:30	9:00	Breakfast
9:15	9:30	Briefing for Session 3 speakers, microphone runners, chair & moderator - Auditorium
9:30	11:00	Session 3: Modelling Evolution of Cancer <i>Chair: Robert Noble, University of London, UK</i> <i>Moderator: Athena</i>
9:30	10:00	Modelling somatic mutation evolution in human tissues using Epithelioids David Fernandez Antoran, Fundación Instituto de Investigación Sanitaria Aragón, Spain
10:00	10:15	Positive and negative subclonal selection in clear cell renal cell carcinoma <i>Diana Alexander, Wellcome Sanger Institute, UK</i>
10:15	10:30	Punctuational evolution is pervasive in metastatic dissemination <i>George Butler, Johns Hopkins University, USA</i>
10:30	11:00	Tracking the evolutionary dynamics of 2000 lymphoid cancers Trevor Graham, Institute of Cancer Research, UK
11:00	11:45	Refreshment break and networking
11:30	11:45	Briefing for Session 4 speakers, microphone runners, chair & moderator - Auditorium
11:45	13:15	Session 4: Multicellularity in Cancer <i>Chair: Aurora Nedelcu, University of New Brunswick, Canada</i> <i>Moderator: Moritz</i>
11:45	12:15	Title TBC Arne Traulsen, Max-Planck-Institute for Evolutionary Biology, Germany
12:15	12:45	Title TBC Michael Lässig, University of Cologne, Germany
12:45	13:00	Pan-organ analysis of driver gene selection during cancer initiation <i>Faiz Jabbar, The Francis Crick Institute, UK</i>
13:00	13:15	Mechanisms and evolutionary significance of hyperploidy variations in a long-lived parasitic cancer <i>Erika Buioli, CNRS, France</i>
13:15		Lunch and networking
14:15	15:00	Illustrator session - Alex Cagan, Wellcome Sanger Institute, UK
15:00	15:15	Briefing for Session 5 speakers, microphone runners, chair & moderator - Auditorium
15:15	16:45	Session 5: Beyond the Genome <i>Chair: Athena Aktipis, Arizona State University, USA</i> <i>Moderator: Rebecca</i>
15:15	15:45	Enhancer hijacking in AML Christoph Plass, German Cancer Research Centre (DKFZ), Germany
15:45	16:00	Horizontal Transfer of Nuclear DNA in Transmissible Cancer <i>Kevin Gori, University of Cambridge, UK</i>
16:00	16:15	Outcomes of natural and experimental infection of soft-shell clams with a transmissible cancer <i>Michael Metzger, Pacific Northwest Research Institute, USA</i>
16:15	16:45	The evolution of two marine transmissible leukaemias colonizing the coasts of Europe Jose Tubio, Center for Research in Molecular Medicine and Chronic Diseases, Spain
16:45	17:15	Poster pitch talks for even number posters
17:15	17:30	Presentation TBC
17:30	18:30	Poster session 2 - even number posters
18:30	20:30	Dinner
		Bar open (card payments only)

Friday 10 May 2024

9:15	9:30	Briefing for Session 6 speakers, chair & moderator - Auditorium
9:30	11:00	Session 6: Ageing, Somatic Mutation and Cancer <i>Chair: Leonard Nunney, University of California Riverside, USA</i> <i>Moderator: Moritz</i>
09:30	10:00	Title TBC Raheleh Rahbari, Wellcome Sanger Institute, UK
10:00	10:15	Tumor heterogeneity and clonal evolution in <i>Opisthorchis viverrini</i> -associated cholangiocarcinoma Sirinya Sitthirak, Faculty of Medicine, Khon Kaen University, Thailand
10:15	10:30	Stem and progenitor cell dynamics define oncogenic competence of leukemic drivers Verena Korber, University of Oxford, UK
10:30	11:00	Evolutionary compromises: Exploring cancer in the animal kingdom Amy Boddy, University of California Santa Barbara, USA
11:00	11:45	Refreshment break and networking
11:30	11:45	Briefing for Keynote Speaker, Scientific Committee Chair and moderator - auditorium
11:45	12:45	Keynote 2 <i>Chair: Rebecca Fitzgerald, University of Cambridge, UK</i> <i>Moderator: Athena</i> Somatic Evolution, Cancer, and Our Inevitable Decline with Age - Inextricably Linked James DeGregori, University of Colorado, USA
12:45	13:00	Closing remarks and prize presentation Scientific Programme Committee: <i>Athena Aktipis, Arizona State University, USA</i> <i>Rebecca Fitzgerald, University of Cambridge, UK</i> <i>Moritz Gerstung, Deutsches Krebsforschungszentrum (DKFZ), Germany</i> <i>Carlo Maley, Arizona State University, USA</i>
13:00	13:50	Lunch and departures
13:50		Coach departures for Stansted and Heathrow airports
14:00		Coach departures for Cambridge train station and city centre