3rd EACR Conference on Cancer Genomics
Programme
Cambridge, UK
25 - 28 June 2017

Scientific Programme

Sunday 25th June 2017

15:00  REGISTRATION
Main Concourse
Tea/coffee & biscuits will be available 15:00 - 17:00

17:00  CONFERENCE WELCOME
Wolfson Hall
Scientific Programme Committee
Chair: Carlos Caldas

17:15  KEYNOTE LECTURE
Gad Getz
Broad Institute, USA
“Coding and Non-Coding Drivers in Cancer”

18:00  NETWORKING RECEPTION
The Buttery

19:00  WELCOME DINNER
Dining Hall
All participants are invited to join this seated two course dinner.

Monday 26th June 2017

08:30  POSTER VIEWING
Main Concourse and Jock Colville Hall
SESSION 1: MUTATIONS AND MUTATIONAL PROCESSES IN CANCER
Chair: Yardena Samuels

09:15  David Adams
Wellcome Trust Sanger Institute, UK
“Germline MC1R variants and somatic mutation burden in melanoma”

09:45  Francesca Ciccarelli
The Francis Crick Institute, UK
“Inherited vulnerabilities and the onset of multiple colorectal cancers”

10:15  EXHIBITOR INTRODUCTIONS
Wolfson Hall

10:30  COFFEE BREAK & TRADE EXHIBITION

11:00  Rajbir Nath Batra
CRUK Cambridge Institute, UK
Proffered Paper 1: “Decoding the regulatory role and epiclonal dynamics of DNA methylation in breast cancer using sequencing-based profiling of 1482 breast tumours”
11:15  Stefan Dentro  
Sanger Institute, UK  
Proffered Paper 2: “Pervasive intra-tumour heterogeneity and subclonal selection across cancer types”

11:30  Núria Lopez-Bigas  
IRB Barcelona, Spain  
“Coding and non-coding cancer mutations”

12:00  SATELLITE SYMPOSIUM 1: NANOSTRING TECHNOLOGIES  
Wolfson Hall  
Julia Kargl  
Medical University of Graz, Austria  
“A 3D Biology™ view of cancer: Simultaneous detection of somatic DNA mutations and expressed fusion transcripts plus expression profiling of phospho and total signalling proteins from lung-tumor FFPE samples”

12:30  LUNCH  
Dining Hall

13:30  POSTER DEFENCE SESSION 1 & TRADE EXHIBITION  
Main Concourse and Jock Colville Hall  
Tea/coffee will be available 15:00 - 15:30.

15:00  POSTER SPOTLIGHT SESSION  
Spotlight Area (opposite registration desk)  
3 top-scoring abstracts will be presented on a TV screen.  
SESSION 2: LIQUID BIOPSIES IN CANCER  
Chair: James Brenton

15:30  Caroline Dive  
CRUK Manchester Institute, UK  
“Molecular analysis of circulating tumour cells in lung cancer”

16:00  Nicholas Turner  
ICR, UK  
“Predicting Relapse Using Circulating Tumor DNA in Breast Cancer”

16:30  Jelena Belic  
Medical University of Graz, Austria  
Proffered Paper 3: “Detection and characterization of neuroendocrine prostate cancer using whole genome-sequencing in circulating tumor DNA”

16:45  Michael Speicher  
Medical University of Graz, Austria  
“Inferring expressed genes by whole-genome sequencing of plasma DNA”

17:15  Eran Kotler  
Weizmann Institute of Science, Israel  
Proffered Paper 4: “A comprehensive library of systematically designed p53 variants elucidates patterns of evolutionary conservation and of mutations in human tumors”

17:30  HIGH TEA & DISCUSSION FORUM  
An opportunity for participants to converse with speakers in small groups.

Tuesday 27th June 2017
08:30 POSTER VIEWING & TRADE EXHIBITION
Main Concourse and Jock Colville Hall

SESSION 3: GENOMICS AND IMMUNE LANDSCAPES IN CANCER (I)
Chair: James Brenton

09:30 Ido Amit
Weizmann Institute of Science, Israel
“The power of ONE: Immunology in the age of single cell genomics”

10:00 Sergio Quezada
UCL, UK
“Mapping the immune and antigenic landscape of cancer”

10:30 COFFEE BREAK & TRADE EXHIBITION

11:00 Eva Bräunlein
TU Munich, Germany
Proffered Paper 5: “In-depth characterization of immune responses against neoepitopes from primary melanoma tissues identified by mass spectrometry”

11:15 Marian Burr
Peter MacCallum Cancer Centre, Australia
Proffered Paper 6: “CMTM6 maintains the expression of PD-L1 and regulates anti-tumour immunity”

11:30 Yardena Samuels
Weizmann Institute of Science, Israel
“Comprehensive elucidation of the antigenic and T cell melanoma landscapes reveal them to be restricted and oligoclonal”

12:00 SATELLITE SYMPOSIUM 2: LUCIGEN
Wolfson Hall
Rob Brazas
Lucigen Corporation, USA
“Overcoming the Challenges of Illumina DNA Library Prep”

12:30 LUNCH
Dining Hall

13:30 POSTER DEFENCE SESSION 2 & TRADE EXHIBITION
Main Concourse and Jock Colville Hall
Tea/coffee will be available 15:00 - 15:30.

15:00 POSTER SPOTLIGHT SESSION
Spotlight Area (opposite registration desk)
3 top-scoring abstracts with be presented on a TV screen.

SESSION 4: GENOMICS AND IMMUNE LANDSCAPES IN CANCER (II)
Chair: Carlos Caldas

15:30 Carlos Caldas
CRUK Cambridge Institute, UK
“Clonal and cellular heterogeneity landscapes of breast cancer”

16:00 Chris de Witte
UMC Utrecht, Netherlands
Proffered Paper 7: “Establishment and characterization of an ovarian cancer organoid biobank”

16:15 KEYNOTE LECTURE
**Ton Schumacher**
NKI, Netherlands
“T cell recognition in human cancer”

19:30 **CONFERENCE DINNER**
*Dining Hall*
All participants are invited to enjoy a three-course dinner together on the final evening of the conference. Award certificates will be presented during this event.

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**Wednesday 28th June 2017**

08:30 **LAST CHANCE TO VIEW POSTERS**
(removed by 13:00)

**SESSION 5: PRECISION CANCER MEDICINE**
Chair: Carlos Caldas

09:00 **James Brenton**
CRUK Cambridge Institute, UK
“Precision medicine for high-grade serous ovarian cancer”

09:30 **Caitlin A. Nichols**
Dana-Farber Cancer Institute, USA
Proffered Paper 8: “Loss of heterozygosity of essential genes represents a novel class of cancer vulnerabilities”

09:45 **Alejandra Bruna**
CRUK Cambridge Institute, UK
Proffered Paper 9: “Interrogating the role of breast cancer functional heterogeneity in a tumour’s evolutionary trajectory upon therapeutic pressure using PDTX models”

10:00 **René Bernards**
NKI, Netherlands
“Finding vulnerabilities of drug-resistant cancer”

10:30 **COFFEE BREAK**

11:00 **Charles Swanton**
The Francis Crick Institute, UK
“Chromosomal Chaos and Order in Cancer Evolution: TRACERx”

11:30 **KEYNOTE LECTURE**
**Olli Kallioniemi**
SciLifeLab, Sweden
“Patient-derived primary cancer cells, integrative omics and functional drug testing facilitating precision cancer medicine”

12:15 **CLOSING REMARKS**
**Scientific Programme Committee**

12:30 **LUNCH & DEPART**