

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
- 09:15 **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 epiclinal dynamics of DNA methylation in breast cancer using sequencing-based profiling of 1482 breast tumours"

- 11:15 **Stefan Dentre**
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.
- 15:30 **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
- 09:30 **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 neopeptides 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 will be presented on a TV screen.
- 15:30 **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.

Wednesday 28th June 2017

08:30 LAST CHANCE TO VIEW POSTERS

(removed by 13:00)

09:00 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