# 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 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 with 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 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.

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