Tracking Cancer: Detection and Monitoring, from Diagnosis to Therapy Programme

Barcelona, Spain

4 - 6 February 2019

Scientific Programme

Monday 4th February 2019

08:00 DAY 1 - EARLY DETECTION AND MONITORING

12:00 REGISTRATION
Until 13:30

12:30 WELCOME LUNCH

13:30 CONFERENCE WELCOME
Scientific Programme Committee

13:35 OPENING KEYNOTE LECTURE
Chair: Joan Seoane
Charles Sawyers
MSKCC, USA
"Lineage plasticity in prostate cancer"

14:20 **Nickolas Papadopoulos**
Johns Hopkins, USA
"Multi-analyte blood test for the detection of cancer"

14:50 **Dennis Lo**
CUHK, Hong Kong
"Plasma DNA for cancer screening"

15:20 COFFEE BREAK
Chair: Caroline Dive

15:45 **Elaine Mardis**
Nationwide Children's Hospital, USA
"Precision genomics of pediatric CNS cancers"

16:15 **Sandra P. Nunes**
Portuguese Oncology Institute of Porto, Portugal
Proffered Paper 1: "Cell-free DNA methylation of selected genes allows for early detection of the major cancers in women"

16:30 **Irena Hudecova**
CRUK Cambridge Institute, UK
Proffered Paper 2: "Advances in the sensitive detection of circulating tumour DNA"

16:45 **Charles Swanton**
The Francis Crick Institute, UK
"Cancer evolution and immune escape: TRACERx"

17:15 PANEL DISCUSSION: "PLAYING HIDE AND SEEK WITH CANCER"
The panel of experts will discuss the themes of the day.
Chair: Victoria Aranda

18:00 NETWORKING RECEPTION
Drinks and appetizers will be served.

18:30 POSTER DISCUSSION SESSION 1
Odd numbered posters will be presented. The Clinical & Experimental Metastasis Poster Prize winner will be chosen by the judging panel.

20:00 FREE EVENING TO ENJOY BARCELONA

Tuesday 5th February 2019

08:00 DAY 2 - GUIDING THERAPY

08:30 COFFEE & POSTER VIEWING

09:00 NATURE PUBLISHING SESSION
Hosted by Victoria Aranda and Markus Elsner from Nature.

09:45 Chair: Charles Swanton
Erik Sahai
The Francis Crick Institute, UK
"Imaging clonal dynamics and therapy failure"

10:15 **Johanna Joyce**
University of Lausanne, Switzerland
"Exploring and therapeutically exploiting the tumour microenvironment"

10:45 COFFEE BREAK
Chair: Karin de Visser

11:15 **Adriana Sánchez-Danés**
Université Libre de Bruxelles, Belgium
Proffered Paper 3: "Defining the tumour cell population that mediates skin cancer relapse after therapy"

11:30 **Nuria Lopez-Bigas**
IRB Barcelona, Spain
"Biological and clinical relevance of tumor mutations"

12:00 **Alberto Bardelli**
Candiolo Cancer Institute, Italy
"Inactivation of DNA repair to improve immune surveillance and restrict cancer growth"

12:30 INDUSTRY SYMPOSIUM
Raimo Tanzi
Menarini Silicon Biosystems, Italy
“CellSearch® & DEPArray™ 2GETHER in Liquid Biopsy”

13:00 LUNCH

13:45 POSTER DISCUSSION SESSION 2
Even numbered posters will be presented. The Clinical & Experimental Metastasis Poster Prize winner will be chosen by the judging panel.

15:15 KEYNOTE LECTURE
Chair: Cédric Blanpain
Lillian Siu
Princess Margaret Cancer Centre, Canada
"The impact of monitoring tumors in clinical trials"

16:00 Karin de Visser
NKI, Netherlands
"The genetic makeup of primary breast tumors dictates pro-metastatic systemic inflammation"

16:30 **Clemency Jolly**
The Francis Crick Institute, UK
Proffered Paper 4: "The evolutionary history of 2,658 cancers"

16:45 COFFEE BREAK

17:15 **Roger Esteban-Fabró**
IDIBAPS, Spain
Proffered Paper 5: "Impact of different aneuploidy profiles on tumor progression and immune features in hepatocellular carcinoma"

17:30 **Maria Rescigno**
Humanitas University, Italy
"The microbiota in colorectal cancer progression"

18:00 PANEL DISCUSSION: "CANCER'S NEIGHBOURS: BYSTANDERS, FRIENDS AND ENEMIES"
The panel of experts will discuss the themes of the day.
Chair: Alberto Bardelli

20:00 CONFERENCE DINNER
El Principal del Eixample
Ticketed optional extra.

Wednesday 6th February 2019

08:00 DAY 3 - TRACKING CANCER CELLS
Chair: Maria Rescigno

09:00 **Cédric Blanpain**
Université Libre de Bruxelles, Belgium
"Tracking the cancer cell of origin"

09:30 **Khalid AbdulJabbar**
The Institute of Cancer Research, London, UK
Proffered Paper 6: "Deep learning the geospatial microenvironmental complexity shaping lung cancer evolution: TRACERx"

09:45 **Bauke Ylstra**
Amsterdam UMC, Netherlands
Proffered Paper 7: "Chromorexis: a novel punctuated amplification signature"

10:00 **Joan Seoane**
VHIO, Spain
"Immunomodulation in embryogenesis and cancer"

10:30 COFFEE BREAK
Chair: Johanna Joyce

11:00 **Maria Soengas**
CNIO, Spain
"Whole-body imaging and targeting of premetastatic niches in 'MetAlert' mouse models"

11:30 CLOSING KEYNOTE LECTURE

Caroline Dive
CRUK Manchester Institute, UK
"Circulating tumours cells: how can we maximise their clinical utility as a liquid biopsy?"

12:15 PANEL DISCUSSION: "CANCER: WHERE IT COMES FROM AND WHERE IT GOES"
The panel of experts will discuss the themes of the day.
Chair: Markus Elsner

12:45 CLOSING SUMMARY & AWARDS PRESENTATION
Scientific Programme Committee

13:00 LUNCH
Finishes at 14:00.