EACR-ESMO Joint Conference on Liquid Biopsies Programme

Bergamo, Italy

15 - 17 May 2019

Scientific Programme

Wednesday 15th May 2019

11:30 REGISTRATION
until 13:00

12:00 WELCOME LUNCH & TRADE EXHIBITION

13:00 CONFERENCE WELCOME

13:10 SESSION 1: TRACKING CANCER AND MRD USING LIQUID BIOPSIES
Chair: Sarah-Jane Dawson

13:10 OPENING KEYNOTE
Nickolas Papadopoulos
Johns Hopkins University, USA
"Non-invasive earlier detection of cancer"

13:55 **Rebecca Lee**
CRUK Manchester Institute, UK
"Clinical application of circulating tumour DNA in melanoma"

14:25 **Iñaki Comino-Mendez**
The Institute of Cancer Research London, UK
Proffered Paper 1: "Molecular Fingerprint Sequencing: ultra-sensitive assay for circulating-tumour DNA detection in early breast cancer"

14:40 EXHIBITOR INTRODUCTIONS

14:50 COFFEE BREAK & TRADE EXHIBITION

15:25 **Alberto Bardelli**
University of Torino, Italy
"Tracking colorectal cancer evolution"

15:55 **Alice Shaw**
Massachusetts General Hospital, USA
"Circulating tumor DNA and evolution of drug resistance in lung cancer"

16:25 **Francesca Chemi**
CRUK Manchester Institute, UK
Proffered Paper 2: "Pulmonary venous tumour cells disseminating prior to tumour resection are heterogeneous, predict relapse and seed future metastasis: TRACERx Lung"

16:40 **Joan Seoane**
Vall D'Hebron Institute of Oncology, Spain
"Liquid biopsies from brain tumours"

17:10 POSTER SPOTLIGHTS
Four top-scoring abstracts presented in 3 minute 'flash talks'

17:25 NETWORKING RECEPTION

including drinks and light food

18:00 POSTER DISCUSSION SESSION 1
Posters 1-53 will be presented until 19:30

Thursday 16th May 2019

08:30 POSTER VIEWING & TRADE EXHIBITION
Coffee / tea available

08:40 INDUSTRY SPOTLIGHT - HTG MOLECULAR DIAGNOSTICS
until 08:55
Carlo Bottari
HTG Molecular Diagnostics, France
"How extraction-free HTG EdgeSeq technology solves unmet needs in liquid biopsy molecular profiling"

09:00 SESSION 2: BLOOD-BASED EARLY DETECTION AND SCREENING
Chair: Caroline Dive

09:00 THE EMBO KEYNOTE LECTURE
Carlos Caldas
CRUK Cambridge Institute, UK
"ctDNA in the management of cancer"

09:45 **Anna Supernat**
Medical University of Gda□sk, Poland
Proffered Paper 3: "Tumor-Educated Platelet analysis enables discrimination between benign lesions and early stage ovarian cancer"

10:00 **Alain Thierry**
IRCM, France
"Circulating DNA structural features as key parameters for cancer screening"

10:30 COFFEE BREAK & TRADE EXHIBITION

11:00 **Weimin Ci**
Beijing Institute of Genomics, China
Proffered Paper 4: "GUdetector: detection and localization of genitourinary cancers based on copy-number profiling using shallow whole genome sequencing of urine cell-free DNA"

11:15 **Allen Chan**
CUHK, Hong Kong
"Circulating DNA for cancer screening"

11:45 POSTER SPOTLIGHTS
Four top-scoring abstracts presented in 3 minute 'flash talks'

12:00 INDUSTRY SYMPOSIUM - THERMO FISHER SCIENTIFIC
Ilaria Alborelli
University Hospital Basel, Switzerland
“Plasma-based next-generation sequencing analysis of cancer-hotspot genomic alterations in non-small cell lung cancer”

12:30 LUNCH & TRADE EXHIBITION

13:00 POSTER DISCUSSION SESSION 2
Posters 54-106 will be presented

14:30 SESSION 3: CIRCULATING TUMOUR CELLS
Chair: Carlos Caldas

14:30 **Caroline Dive**
CRUK Manchester Institute, UK
"Circulating Tumour Cells in lung cancer - lethal subclones and therapy testing 'avatars'"

15:00 **Nicola Aceto**
University of Basel, Switzerland
"Features and vulnerabilities of circulating tumour cell clusters"

15:30 **Carolina Reduzzi**
Istituto Nazionale Tumori, Italy
Proffered Paper 5: "Dual-positive cells circulating in the blood of cancer patients: tumor origin and clinical potential"

15:45 **Evi Lianidou**
University of Athens, Greece
"Epigenetic alterations in CTCs and corresponding ctDNA"

16:15 COFFEE BREAK & TRADE EXHIBITION

16:45 **Rui Neves**
UniKlinik Dusseldorf, Germany
Proffered Paper 6: "The molecular evolution of systemic metastatic castration resistant prostate cancer during therapy monitored by analysis of individual circulating tumour cells"

17:00 **Klaus Pantel**
University Medical Centre Hamburg-Eppendorf, Germany
"Circulating Tumor Cells: biology and clinical applications as liquid biopsy"

17:30 PANEL DISCUSSION
Chaired by Sarah-Jane Dawson, the panel of invited speakers will tackle this important question.
"How do we move liquid biopsies from a research tool to part of routine decision making?"

19:00 CONFERENCE DINNER
Taverna Valtellinese
Optional ticketed dinner

Friday 17th May 2019

08:30 POSTER VIEWING & TRADE EXHIBITION
Coffee / tea available

08:40 INDUSTRY SPOTLIGHT - VYCAP
until 08:55
Arjan Tibbe
VyCAP, Netherlands
"Solution for single cell analysis, identification and isolation"

09:00 SESSION 4: NOVEL CANCER BIOMARKERS IN BLOOD
Chair: Alberto Bardelli

09:00 **Federica Di Nicolantonio**
Candiolo Cancer Institute, Italy

"Cancer epigenetic alterations in cell free DNA"

09:30 **Gabriella Sozzi**
Istituto Nazionale Tumori, Italy
"Circulating miRNAs as biomarkers for early detection and therapeutics of lung cancer"

10:00 **Ruben Van Paemel**
Ghent University, Belgium
Proffered Paper 7: "Non-invasive classification of pediatric tumor types using reduced representation bisulfite sequencing of cell-free DNA: a proof-of-principle study"

10:15 **Michael Speicher**
Medical University of Graz, Austria
"Epigenetic traces in plasma DNA"

10:45 COFFEE BREAK & TRADE EXHIBITION

11:15 **Naveen Ramesh**
MD Anderson Cancer Center, USA
Proffered Paper 8: "Delineating Clonal Evolution During Therapeutic Resistance in Prostate Cancer by Whole Genome Plasma Sequencing"

11:30 **Sarah-Jane Dawson**
Peter McCallum Cancer Centre, Australia
"Translational and clinical applications of ctDNA in solid and haematological malignancies"

12:00 **Johann de Bono**
The Institute of Cancer Research, UK
"Improving drug development with liquid biomarkers"

12:30 SUMMARY & AWARDS

12:45 LUNCH & DEPART