

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
- 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"

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 Gdansk, 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

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"
- 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