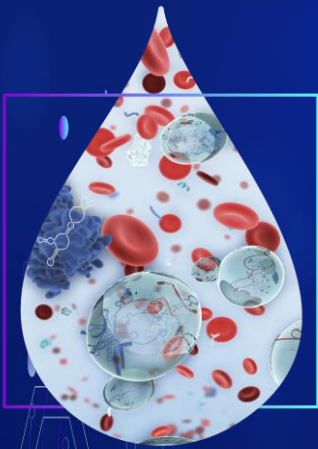


Hybrid 3rd Day-Conference



“LIQUID BIOPSY: Latest advances and applications in oncology”

Friday
4th October
2024

10.00-18.30

Kostis Palamas
building,
NKUA

Organizer:

**Evi Lianidou, National and Kapodistrian University of Athens,
Hellenic Society of Liquid Biopsy**

<https://hsliquidbiopsy.wixsite.com/2021>

WELCOME ADDRESS

Dear Friends and Colleagues,

It is a great pleasure to welcome you all to the 3rd Hybrid Day-meeting organized by the Hellenic Society of Liquid Biopsy: “Liquid Biopsy: Latest Advances and applications in Oncology”.

Liquid biopsy is a minimally invasive approach that is mainly based on the analysis of circulating tumor cells (CTCs) and circulating tumor DNA (ctDNA). Liquid biopsy is an important tool in the fight against cancer, since it provides the ability to monitor in serial samples a molecular portrait of the tumor in real time. CTC and ctDNA analysis present currently a powerful tool for the management of advanced- and early-stage cancer patients and offers the unique potential to better understand the biology of metastasis and resistance mechanisms to specific treatments. Liquid biopsy has already revealed its tremendous potential to significantly change the therapeutic strategy and management of cancer patients.

The 3rd Hybrid Day-meeting is focused on the latest advances on liquid biopsy basic research, state of the art technologies, and clinical applications in many types of cancer, from bench to bedside. In this Hybrid Day-meeting we bring together Key Opinion Leaders in the field, world-top liquid biopsy clinicians and researchers, that will present state of the art data and technology innovations in the field. During this day we will all have again the chance to interact and establish fruitful collaborations in a highly relaxing and stimulating environment.

Warm regards,

Evi S. Lianidou, PhD

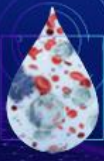
President of the Hellenic Society of Liquid Biopsy

Professor of Analytical Chemistry – Clinical Chemistry

ACTC lab

Department of Chemistry

University of Athens, Greece



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Program

9.00-10.00	Registration, Coffee	
Chairing: E. Lianidou, A. Markou		
10.00 – 10.30	Liquid Biopsy: latest advancements	Evi Lianidou
10.30 – 11.00	Liquid Biopsy: An update on the latest technology advancements	Athina Markou
11.00 – 11.30	Quality Control and standardization in Liquid Biopsies: How important is it??	Aliki Ntzifa
11.30 – 12.00	“Utility of ctDNA analyses in the molecular tumour board”	Ellen Heitzer, Medical University of Graz, Austria
12.00 – 12.30	Harnessing liquid biopsy assays to deliver precision medicine in head and neck cancer	Chamindie Punyadeera, Griffith University, Brisbane, Australia
12.30 – 13.30	Lunch break	
Chairing: E. Lianidou, G. Kalergi		
CTCs		
13.30 – 14.00	“Analyzing metastatic phenotypes and CTC clustering mechanisms using TetherChip microfluidics.”	Stuart S. Martin, University of Maryland School of Medicine, Baltimore, USA
14.00 – 14.30	PD-L1 in CTCs and immunotherapy response	Areti Strati, ACTC lab, NKUA, Greece
14.30 – 15.00	Liquid biopsy multi-analyte approach to monitor treatment resistance in prostate cancer	Amin El-Heliebi, Medical University of Graz, Austria

Program

15.00 – 15.30	CTC and biology of metastasis	Galatea Kalergi, University of Patras, Greece
15.30-16.00	Coffee break	
<p>Chairing: Ellen Heitzer, Evi Lianidou</p> <p>ctDNA analysis</p>		
16.00 –16.30	Novel liquid biopsy technologies for earlier detection of cancer and minimal residual disease	Mike Makrigiorgos, Dana-Farber Cancer Institute and Harvard Medical School, Boston, USA
16.30 – 17.00	“Liquid biopsy approaches for minimal residual disease detection and therapy response monitoring”	Valsamo Anagnostou, Johns Hopkins University School of Medicine, USA
17.00-17.30	“ctDNA based detection of MRD in colorectal cancer”	Claus Lindbjerg Andersen, Aarhus University, Denmark
17.30 – 18.00	ctDNA in early breast cancer challenges and opportunities	Michail Ignatiadis, Institut Bordet, Université Libre de Bruxelles, Belgium
18.00-18.30	Conclusions - Discussion	

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Faculty (in alphabetical order)

Valsamo Anagnostou, MD, PhD, Associate Professor, Johns Hopkins University School of Medicine, USA

Amin El-Heliebi, PhD, Ass. Research Professor, Medical University of Graz, Austria

Ellen Heitzer, PhD, Professor of Medical Genetics, Medical University of Graz, Austria

Ignatiadis Michail, MD, PhD, Associate Professor, Université Libre de Bruxelles, Belgium

Galatea Kalergi, PhD, Assoc Professor, Dept of Biology, University of Patras, Greece

Evi Lianidou, Professor, ACTC lab, National and Kapodistrian University of Athens, Athens, Greece

Claus Lindbjerg Andersen, MSc, PhD, Professor, Aarhus University Hospital / Denmark

Mike Makrigiorgos, PhD, Professor and Director, Medical Physics and Biophysics, Dana-Farber Cancer Institute and Harvard Medical School, USA

Athina Markou, PhD, Ass. Professor, ACTC lab, National and Kapodistrian University of Athens, Athens, Greece

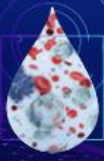
Stuart Martin, PhD, University of Maryland School of Medicine, Baltimore, USA

Aliki Ntzifa, PhD, Post-Doctoral Associate, ACTC lab, National and Kapodistrian University of Athens, Athens, Greece

Chamindie Punyadeera, PhD, Professor, Griffith University, Brisbane, Australia

Areti Strati, PhD, Post-Doctoral Associate, ACTC lab, National and Kapodistrian University of Athens, Athens, Greece

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