



PFIZER-UNIVERSIDAD DE GRANADA-JUNTA DE ANDALUCÍA  
CENTRE FOR GENOMICS AND ONCOLOGICAL RESEARCH

INTERNATIONAL SYMPOSIUM  
**PRECISION MEDICINE  
BASED ON LIQUID BIOPSIES  
FROM DETECTION TO DISSECTION"**


15 & 16 September 2016 / Granada, Spain

PARQUE DE LAS CIENCIAS

**PROGRAM**



Autora: Begoña Remón López



International symposium on LIQUID BIOPSIES 2016 will provide a platform for presentations, discussions and planning across all aspect of metastasis, cancer monitoring, progression and clinical management.

Researchers, public health practitioners, clinicians and life science professional should not miss this opportunity to discuss, debate and address key issues which impact on cancer

## 14<sup>th</sup> WEDNESDAY

16:00 Reception and Welcome

## 15<sup>th</sup> THURSDAY

9:00 INTRODUCTION. **Jose Antonio Lorente**. Principal investigator of Liquid Biopsy and Metastasis Team and Scientific Director of GENYO. Granada, Spain.

9:15-9:45 OPENING PLENARY LECTURE “**Circulating Cell-Free Tumor DNA (ctDNA): The tsunami of liquid biopsy in solid tumors**”  
**Keynote Speaker:**  
**Massimo Cristofanilli**. Associate Director for Precision Medicine and Translational Research at Lurie Cancer Center. Chicago, USA.

9:45-10:30 COFFEE BREAK

### TOPIC 1

10:30-12:30 **THE ERA OF LIQUID BIOPSIES.**

#### **Chairpersons:**

**Miquel Taron**. Regulatory and Development Director of Amadix and President of Pharmacogenomic and pharmacogenetics Spanish Society. Valladolid, Spain.

**Enrique Aranda**. Head of the Medical Oncology Service of the Reina Sofía Hospital. Córdoba, Spain.

#### **“CTCs and cfDNA in colorectal cancer”**

**Jesus García Foncillas**. Director of the Translational Oncology Division in The Fundación Jiménez Díaz University Hospital Health Research - Autonomous University of Madrid. Madrid, Spain.

#### **“Bringing liquid biopsy closer to clinical management of cancer patients”**

**Jose Luis Costa**. Affiliate Professor at the Medical School of the University of Porto. Porto, Portugal.

#### **Oral Communications.**

**12:30-13:30 Pioneer a new path to target cancer  
Thermo Fisher Scientific Symposia.**

**“Liquid Biopsy Solutions Overview”**

**Francesco Acquadro** - Thermo Fisher Scientific.

**“A Molecular Platform that supports Clinical Research in the  
Analysis of Circulating Tumor Cells and Circulating Tumor DNA”**

**Paul Dempsey, CSO** - Cynvenio.

**“Study of tumor heterogeneity on cfDNA from lung cancer samples”**

**Bea Bellosillo** - Hospital del Mar - Barcelona

**13:30-14:30 LUNCH – POSTER SESSION**

## **TOPIC 2**

**14:30-16:30 BIOMARKERS CHARACTERIZATION OF CIRCULATING TUMOR CELLS  
IN SOLID TUMORS.**

**Chairpersons:**

**Luis. M. Antón Aparicio.** Head of Oncology Department of the  
Complejo Hospitalario Universitario de A Coruña. Coruña, Spain.

**Jordi Muntané.** Principal Investigator of Oncological Surgery  
Group, Cell Therapy and Organ Transplantation - IBIS. Seville, Spain.

**“CTC Based AR-V7 Detection in Advanced Prostate Cancer.”**

**Emmanuel Antonarakis** Associate Professor of Oncology and  
Urology, Johns Hopkins University. Baltimore, USA.

**“Droplet based digital PCR for cancer patient follow up”**

**Valerie Taly.** Leader of the Translational Research and Microfluidics  
Group at Paris-Descartes University. Paris, France.

**Oral Communications.**

**15:30-16:30 SATELLITE SYMPOSIUM-TBD**

**16:30-17:00 COFFEE BREAK**

## **TOPIC 3**

**17:00-19:00 CURRENT CLINICAL UTILITY OF LIQUID BIOPSIES.**

**Chairpersons:**

**David Whitcombe.** Chairman of DestiNA Genomics Ltd. Founder of  
DxS Diagnostics. Edinburgh, UK.

**Eduardo Diaz Rubio.** Full Professor and Head of the Medical Oncology  
Service of the University Hospital San Carlos. Madrid, Spain.





**“CTCs markers to predict response to immunotherapy.”**

**Luis Paz-Ares.** Group Leader of Oncology in University Hospital 12 de Octubre. Madrid, Spain.

**“The Emerging Role of Liquid Biopsies : the Lung Cancer as example”**

**Javier de Castro.** Director of the Innovation Unit of the University Hospital La PAZ (IDIPAZ). Madrid, Spain.

**“Analysis of DNA free in metastatic colon cancer patients undergoing treatment with ITK”**

**Manuel J. Valladares.** Hospital Virgen del Rocío. Sevilla .Spain.

**Oral Communications.**

**16<sup>th</sup> FRIDAY**

**TOPIC 4**

**08:30-10:30 DISSECTING LIQUID BIOPSIES.**

**Chairpersons:**

**Juan Carlos Rodriguez Manzaneque.** Principal Investigator of the Proteases and Extracellular Matrix Group, Department of Oncological Research GENYO. Granada, Spain.

**José Exposito.** Head of Oncology of Granada Hospital Complex. Granada, Spain.

**“Dissecting Liquid Biopsies”**

**Ged Brady.** Deputy Group Leader of the Clinical and Experimental Pharmacology Group at Cancer Research UK Manchester Institute. Manchester, UK.

**“The origins of disseminated tumor cells and mechanism that regulate their dormancy”**

**Maria Soledad Sosa.** Assistant Professor of the Medicine, Hematology and Medical Oncology Department at Mount Sinai. New York, USA.

**“Exosomes isolation and characterization in serum is feasible in non-small cell lung cancer patients”**

**Ignacio Gil Bazo.** Associate Professor , School of Medicine. University of Navarra Center for applied Medical Research. Pamplona, Spain.

**Oral Communications.**



10.30-11:00 COFFEE BREAK

## TOPIC 5

11:00- 13:00 ROLE OF EXOSOMES AND miRNA IN THE METASTATIC PROCESS.

### Chairpersons:

**Emilio Alba.** Head of Oncology of the Hospital Carlos Haya. Malaga, Spain

**Pedro Medina.** Professor of the University of Granada and Principal Investigator at GENYO. Granada, Spain.

### “Exosomes tumor markers for personalized medicine”

**Hector Peinado.** Group Leader of the Microenvironment and Metastasis Group at CNIO. Madrid, Spain.

### “A circulating miRNA assay as a first-line test for prostate cancer screening best”

**Vicenzo Ciminale.** Head of the Surgery, Oncology and Gastroenterology Department of the University of Padova. Padova, Italy.

## Oral Communications

12:30-13:30 SATELLITE SYMPOSIUM

13:30-14:30 LUNCH - POSTER SESSION

## TOPIC 6

15:00- 17:00 USE OF CIRCULATING TUMOR DNA and CTCs TO ASSESS RESPONSE AND RESISTANCE.

### Chairpersons:

**Paul Lizardi.** Distinguished Visiting Professor of the Universidad de Granada and Principal Investigator at GENYO. Granada, Spain

**Pedro Sanchez Rovira.** Head of Oncology in Hospital Complex Ciudad de Jaén. Jaén, Spain.

### “CTC as predictive markers in prostate cancer”

**David Olmos.** Head of Prostate Cancer Clinical Research Unit, Spanish National Cancer Research Centre (CNIO) . CNIO-IBIMA Genitourinary Cancer Clinical Research Unit, Hospitales Universitarios Virgen de la Victoria & Regional de Malaga.

### “Lights and shadows of liquid biopsy in cancer therapeutics.”

**Cesar Serrano-García.** Principal Investigator of the Translational Sarcoma Research Program, Sarcoma Unit at Vall d`Hebron. Barcelona, Spain.



**“Circulating tumor DNA extended RAS mutational analysis as a surrogate of mutational status of tumor samples in metastatic colorectal cancer and its impact on patient selection for anti-EGFR therapy”**

**Ramon Salazar.** Head of Translational Research at the Catalan Institute of Oncology and the Early Clinical Research Unit at the Medical Oncology Department of the Institut Catalá d’Oncologia in L’ Hospitalet de Llobregat in Barcelona. Spain.

**17:00-18:00** FOUNDING ASSEMBLY OF LIQUID BIOPSY SOCIETY

**18:00** SPECIAL SESSION

IMPLEMENTATION OF LIQUID BIOPSY IN THE CLINICAL ROUTINE

**Introduction:**

**Jose Luis García Puche** Full Professor of the Universidad de Granada and Director of the Oncology Unit of the Complejo Hospitalario of Granada. Granada, Spain.

**Chairperson:**

**Maria Jose Serrano.** Scientific Director of Liquid Biopsy and Metastasis Team at GENYO. Granada, Spain

**“Principles for implementation of Liquid Biopsy in clinical practice”**

**Javier Gómez.** Group leader of the Oncology Unit of the University Hospital Marqués de Valdecillas. IDIVAL. Santander, Spain

Round table in Spanish.

**Pedro Sanchez Rovira.** Head of Oncology in Head of Oncology in Hospital Complex Ciudad de Jaén. Jaén, Spain.

**Emilio Alba.** Head of Oncology of the Hospital Carlos Haya. Malaga, Spain

**Enrique Aranda.** Head of the Medical Oncology Service of the Hospital Reina Sofía. Córdoba, Spain.



Universidad de Granada  
Departamento de Radiología y Medicina Física

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## TOPICS

- † Liquid Biopsy: Monitoring Cancer-Genetics in Blood
- † Circulating Tumor Cells (CTCs) Capture Technologies for Widespread Clinical Use
- † Current Clinical Utility of Liquid Biopsies:
  - Circulating Tumor DNA
  - Exosomes/miRNA
  - CTCs
- † Single-Cell Analysis of CTCs and Exosomes
- † Dissecting Liquid Biopsies:
  - Phenotypic and Genetic Characterization of CTCs
  - Epithelial-Mesenchymal Plasticity
  - Tumor Cells Dormancy

## SCIENTIFIC SECRETARIAT:

Liquid Biopsy Laboratory

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 @Liqbiopconfe16

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