

## RATIONALE

**TRANSFOG (TRANS**lational and **F**unctional **O**nco Genomics) **Symposium** is based on the results of an EC-funded Integrated Project aimed at establishing Europe's leadership in the field of cancer genomics. A joint effort has been developed involving leading academic and industrial groups towards the systematic identification and functional characterisation of novel cancer genes with a high diagnostic and therapeutic potential in breast, colon and lung cancer.

## TRANSFOG Scientific Committee

**Guy Storme:** IP Coordinator

**Enzo Medico:** Scientific Coordinator

WP leaders: **Mariano Barbacid**  
**Annemarie Poustka**  
**R n  Bernard**  
**Paolo M. Comoglio**  
**Johannes L. Bos**  
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## Organising Secretariat

### Local Organising Secretariat

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The Organisation of European Cancer Institutes  
"OECI" in connection with the 2008 General Assembly,  
promotes a series of collateral events as part of the

## OECI 2008 Scientific Week

## Discovering new worlds in medicine

Under the auspices of



Regione Liguria



Comune di Genova

and



Alleanza contro il cancro

## Translational and Functional Oncogenomics Symposium

From cancer-oriented genomic screenings to  
new diagnostic tools and improved cancer  
treatment

Genoa 21<sup>st</sup>-22<sup>nd</sup> May

Palazzo Ducale  
Sala del Minor Consiglio



## The TRANSFOG SYMPOSIUM

is organised by



The Organisation of the European Cancer Institutes  
European Economic Interest Grouping

## PARTICIPANTS

### **María Berdasco Menéndez**

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### **Guy Storme**

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### **Yosef Yarden**

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## SCIENTIFIC PROGRAMME

**May 21<sup>st</sup>**

### **MORNING SESSION**

**09:00 Welcome and opening: Guy Storme**

**09:15 Overview of the TRANSFOG project: Enzo Medico**

### **TECHNOLOGIES FOR SCREENINGS, FUNCTIONAL ANALYSIS AND GENE ANNOTATION**

**09:30 Claudio Schneider:** Isolation and manipulation of cancer stem cells from human ovarian carcinoma

**10:00 Walter Birchmeier:** Functional characterization of candidate genes involved in tissue migration and replication initiation.

**10:30 Enzo Medico:** Screening for genes involved in anchorage-independent growth via a novel systematic gain-of-function approach

### **11:00 COFFEE BREAK**

**11:20 Rene Bernards:** Functional genetic screens using complex mixtures of shRNA vectors

**12:00 María Berdasco Menéndez:** Defining new epigenetic targets in cancer

**12:30 Henning Hermjakob:** Sharing gene functional annotation via the Distributed Annotation System

### **13:00 LUNCH**

### **AFTERNOON SESSION**

### **ANALYSIS OF GENE FUNCTION AND CANCER SIGNAL TRANSDUCTION**

**14:30 Johannes Bos:** Functional genomics of cell adhesion and cell junction formation

**15:00 George Panayotou:** The role of dual-specificity phosphatases in JNK signaling

**15:30 Stephan Geley:** Systematic identification and characterisation of cell cycle regulators

### **16:00 COFFEE BREAK**

**16:30 Yosef Yarden:** EGFR and HER2: control mechanisms and relevance to cancer treatment

**17:10 Carl-Henrik Heldin:** Role of PDGF in transformation and angiogenesis

**17:40 Nancy Hynes:** ErbB2 interacting proteins and their potential roles in cancer

**May 22<sup>nd</sup>**

### **MORNING SESSION**

### **FROM CANCER-ORIENTED GENOMIC SCREENINGS TO VALIDATION OF MOLECULAR SIGNATURES**

**09:00 Rene Bernards:** A gene expression signature for colon cancer prognosis

**09:30 Marco A. Pierotti:** Identification and validation of breast cancer progression signatures

**10:00 Ulrich Pfeffer:** Virtues and limits of prognostic signatures for breast cancer.

**10:30 Enzo Medico:** From cell-based models to clinically relevant gene expression signatures

### **11:00 COFFEE BREAK**

**11:20 Margarita Sánchez-Beato:** Molecular signatures of cancer progression

**11:40 Lorena Di Lisio:** MicroRNA profile in Mantle Cell Lymphoma

**12:00 Carlo Croce:** Role of miRNAs in the pathogenesis of human cancer

### **12:50 CONCLUSIONS**

**Enzo Medico and Guy Storme**

### **13:00 LUNCH**