

International Symposium  
**Resolving Cancer Heterogeneity:**  
Drawing new horizons in precision medicine



**Promoted by**



FONDAZIONE  
INTERNAZIONALE  
MENARINI

**Organized by**

Department of Translational Molecular Pathology  
University of Texas MD Anderson Cancer Center  
Houston (Texas -USA)

Department of Tumor Biology  
University Medical Center Hamburg-Eppendorf  
Hamburg (Germany)

**Congress Center | Old Post Office Building**  
**Washington DC | May, 11<sup>th</sup>|13<sup>th</sup> 2017**

PROGRAM

### **Co-Presidents of the symposium**

**Ignacio I. Wistuba**

*Department of Translational Molecular Pathology  
University of Texas MD Anderson Cancer Center  
Houston (TX-USA)*

**Klaus Pantel**

*Department of Tumor Biology  
University Medical Center Hamburg-Eppendorf  
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### **Promoted by**

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### **Under the auspices of**



## PROGRAM

3:00-4:00 pm Registration

4:00-4:15 pm I. Wistuba (*Houston, TX-USA*), K. Pantel (*Hamburg, D*)  
Welcome from the Presidents

SESSION I • Chairs: N.H. Stoecklein (*Düsseldorf, D*),  
F. De Braud (*Milan, I*)

## Intra-tumor heterogeneity and genomics

4:15-4:45 pm M.R. Wang (*Beijing, CN*)  
Molecular alterations and intratumor heterogeneity  
in esophageal squamous cell carcinoma

4:45-5:15 pm M. Snuderl (*New York, NY-USA*)  
Temporospatial heterogeneity of brain tumors

5:15-5:45 pm J.P. Castaño (*Córdoba, E*)  
Alternative splicing: an emergent hallmark  
in cancer and in tumor heterogeneity

5:45-6:15 pm C. Bomzer (*Milwaukee, WI-USA*)  
Breast cancer: genomic heterogeneity.  
A clinician's perspective

Chairs: I. Wistuba (*Houston, TX-USA*), K. Pantel (*Hamburg, D*)

6:15-7:00 pm A. Futreal (*Houston, TX-USA*)  
Keynote: Implications of intra-tumor heterogeneity for therapy

7:00-8:00 pm Welcome reception

SESSION II • Chairs: C. Alix-Panabieres (*Montpellier, F*),  
K. Pantel (*Hamburg, D*)

## Intra-tumor heterogeneity on immune response and single cell analysis

8:00-8:30 am S. Abrignani (*Milan, I*)  
Heterogeneity of intratumoral T lymphocytes

8:30-9:00 am T. Shibata (*Tokyo, J*)  
Inter-patient heterogeneity in tumor microenvironment

9:00-9:30 am J. Zhang (*Houston, TX-USA*)  
Intra-tumor heterogeneity of lung cancer: beyond genomics

9:30-10:00 am R. Dolcetti (*Brisbane, AUS*)  
Personalized immunotherapy to overcome  
cancer heterogeneity

10:00-10:30 am Coffee break

10:30-11:00 am S.A. Mani (*Houston, TX-USA*)  
Role of cancer cell plasticity in tumor heterogeneity

11:00-11:30 am N.H. Stoecklein (*Düsseldorf, D*)  
CTC-analysis: new insights through molecular single cell analysis

11:30-12:00 am O. Rozenblatt-Rosen (*Cambridge, MA-USA*)  
Dissecting the tumor ecosystem with single cell RNA-Seq

12:00-12:30 pm G. Stanta (*Trieste, I*)  
Tumor heterogeneity: a complex approach for clinical  
research and diagnostics

12:30-2:00 pm Lunch

**SESSION III • Chairs: I. Wistuba (Houston, TX-USA)  
A. Scarpa (Verona, I)**

**Intra-tumor heterogeneity and cancer therapy**

- 2:00-2:30 pm**    **F. De Braud (Milan, I)**  
Mechanism of resistance to target therapy and treatment strategy in solid tumors: focus on lung and colorectal cancer
- 2:30-3:00 pm**    **P. Metrakos (Montreal, CA)**  
Heterogeneity in colorectal cancer metastasis and response to therapy: Vessel co-option mediates resistance to anti-angiogenic therapy in liver metastases
- 3:00-3:30 pm**    **R. Rosell (Barcelona, E)**  
Kinome reprogramming in EGFR mutant NSCLC
- 3:30-4:00 pm**    *Coffee break*
- 4:00-4:30 pm**    **C. Paoletti (Ann Arbor, MI-USA)**  
Using liquid biopsy to detect diverse mechanisms of resistance to endocrine therapy in hormone-receptor positive metastatic breast cancer
- 4:30-5:00 pm**    **M. Scaltriti (New York, NY-USA)**  
PI3K inhibitors, how to treat and who?
- 5:00-5:30 pm**    **A. Scarpa (Verona, I)**  
Cancer heterogeneity and molecular diagnostics
- 5:30 -6:00 pm**    **S.L. Carter (Boston, MA-USA)**  
Computational dissection of intra-tumor genetic heterogeneity and applications to the study of cancer treatment, evolution, and metastasis

**SESSION IV • Chairs: J.W. Janni (Ulm, D)  
D. Marchetti (Houston, TX-USA)**

**Intra-tumor heterogeneity and liquid biopsy**

- 8:30-9:00**        **K. Pantel (Hamburg, D)**  
Circulating tumor cells: molecular characterization and clinical applications in patients with solid tumors
- 9:00-9:30 am**    **C. Alix-Panabieres (Montpellier, F)**  
Molecular portrait of metastasis-competent CTCs in colon cancer
- 9:30-10:00 am**    **H.A. Alvarez (Houston, TX-USA)**  
Time and space continuum of tumor evolution through liquid biopsies
- 10:00-10:30 am**    **D. Marchetti (Houston, TX-USA)**  
Transcriptomic interrogation and biomarker heterogeneity of breast cancer CTCs associated with brain metastasis
- 10:30-11:00 am**    *Coffee break*
- 11:00-11:30 am**    **D. Rothwell (Manchester, UK)**  
Utilising CTCs to investigate tumour molecular status and heterogeneity in small cell lung cancer
- 11:30-12:00 am**    **J.W. Janni (Ulm, D)**  
Clinical utility and perspectives of CTCs in advanced breast cancer
- 12:00-12:30 am**    **L. Terstappen (Enschede, NL)**  
CTCs: past, present and future
- I. Wistuba (Houston, TX-USA), K. Pantel (Hamburg, D)**  
Closing remarks
- 13:00-2:00 pm**    *Farewell lunch*

## FACULTY

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## GENERAL INFORMATION

### Meeting venue

The venue for the symposium is

**Congress Center**

Old Post Office Building  
1100 Pennsylvania Ave NW  
Washington, DC 20004 - USA

### Secretariat during the meeting

The Secretariat will be open at the following times:

Thursday May 11 <sup>th</sup>	from 03:00 p.m. to 07:00 p.m.
Friday May 12 <sup>th</sup>	from 07:30 a.m. to 06:00 p.m.
Saturday May 13 <sup>th</sup>	from 08:00 a.m. to 03:00 p.m.

### Official language

The official language of the meeting is English.  
Simultaneous translation will not be provided.

### Attendees' registration

The symposium is free to attend, but on line registration is required.

Please link to the organizing secretariat website:

[www.duecipation.com](http://www.duecipation.com)

On line registrations will be accepted on a first-come, first-served basis and may be closed in advance whenever the maximum number of participants allowed in the venue will be reached.

### Registration includes

Access to scientific sessions, welcome reception,  
coffee breaks, lunch, program book, certificate of attendance.

