

IMPLEMENTING PRECISION MEDICINE IN CANCER CARE 2019

May, 17th 18th 2019

Palazzo Wedekind - Piazza Colonna, 366 Rome

Foto di Oreste Fiorenza

Presidents: Giuseppe Curigliano, Paolo Marchetti, Paola Queirolo

Rational

Personalizing cancer medicine depends on the implementation of personalized diagnostics and therapeutics. Detailed genomic screening is likely to play a central role in this.

Personalized Medicine has been widely depicted as a striking innovation, that is able to reform the standard approach to disease management, replacing the one-size-fits-all scheme of medicine with a single-patient-sized medical intervention. Personalized medicine promoters usually highlight its potential to combine a more effective health-care with costs containment, according to the following rules: monitoring of disease risks and more effective prevention; early intervention; selection of optimal therapy; reduction of trial-and-error prescribing and reduction of adverse drug reactions; exclusion of unnecessary drugs; therapeutic drug monitoring and disease progression/remission monitoring; increased patient compliance with therapy.

But, in spite of expectations, many unsolved practical issues, from technical and scientific to ethical, legal and economic topics, are slowing down the translation of personalized medicine principles into medical practice. Furthermore, wide adoption of personalized strategies also has to deal with the peculiar rules, policy and reimbursement system of each country. Application of Personalized Medicine in the real world seems entangled by the unmet need to develop evidence-based guidelines.

The aim of the meeting is to discuss about the future perspective of precision medicine and precision oncology and their application in the real world, with key opinion leaders.

Program

May 17th

- 9.00-9.30** Registration
- 9.30-9.40** Welcome and introduction
Giuseppe Curigliano, Paolo Marchetti, Giancarlo Pruneri, Paola Queirolo
- 9.40-9.50** Authority's Remarks
Eugenio Gaudio
- 9.50-10.20** Keynote lecture
Immunogenetics and Precision Medicine: where we are?
Giuseppe Curigliano
- 10.20-10.40** The role of the pathologist in the era of personalized medicine
Massimo Barberis
- 10.40-11.00** Discussion
- 11.00-11.30** Coffee break

**PATIENT FEATURES:
METABOLISM, HABITS AND MICROBIOTA**
Chairman: Paolo Marchetti

- 11.30-12.00** When sex and gender decide the outcome
Walter Malorni
- 12.00-12.30** The microbiome: is a photograph sufficient?
Lorenza Putignani, Andrea Quagliariello

12.30-13.00 Discussion

13.00-14.00 Lunch

**GENOMIC LANDSCAPE OF SOLID TUMORS FROM
PRIVATE TO COMMON GENOMIC ALTERATIONS:
VALIDATED AND RESEARCH DRIVERS**

Chairman: Filippo de Braud

14.00-14.20 Breast Cancer
Giuseppe Curigliano

14.20-14.40 Lung Cancer
Marina Garassino

14.40-15.00 Unknown primary and rare cancers
Susan Bates

15.00-15.20 Melanoma: between target therapy and immunotherapy
Paola Queirolo

15.20-16.00 Discussion

16.00-16.30 Coffee break

TUMOR DNA IN TISSUE AND BLOOD

Chairman: Ludovic Barault

16.30-16.50 Complexity of computational analysis of genome
sequencing and reporting
Dean Pavlick

16.50-17.10 Beyond the Genomic: transcriptomic and epigenetic
Saverio Minucci

- 17.10-17.30** Mapping clonal evolution and resistance
Fortunato Ciardiello
- 17.30-17.50** Liquid biopsy in daily clinical practice
Sergio Rizzo
- 17.50-18.10** Wrap up session
Giuseppe Curigliano, Saverio Minucci
- 18.10** Faculty Dinner

May 18th

CLINICAL TRIALS IN THE ERA OF GENOMIC MEDICINE

Chairmen: Giuseppe Curigliano, Paolo Marchetti

- 8.30-8.50** Unmet need: Molecular Tumor board
Paolo Marchetti
- 8.50-9.20** Autophagy modulation as an example of precision anticancer (immune) therapy
Lorenzo Galluzzi
- 9.20-9.40** New study design and agnostic approach
Filippo De Braud
- 9.40-10.00** Targeting cancer cell or immune system: is it the same?
Marianna Nuti
- 10.00-13.00** Round Table
Giuseppe Curigliano, Paolo Marchetti, Nello Martini
• Group A
What do oncologists want and need?

- 11.00-11.30** Coffee break
- Group B
If the test decides the treatment...
(Home made analysis vs centralized?)
 - Group C
Ideal world *vs* real world? The gap between CTR
and real world
- 13.00-14.00** Lunch
- 14.00-14.20** Horizon scanning in oncology: effectiveness,
sustainability and social impact
Nello Martini
- 14.20-14.40** Drug - drug interaction, drug metabolism and
precision medicine
Robert Preissner
- 14.40-15.00** Metabolomics: tools for precision medicine
Maurizio Simmaco
- 15.00 -15.20** Panel discussion - (Interactive discussion with audience)
*Chairmen: Giuseppe Curigliano, Paolo Marchetti,
Nello Martini, Gabriella Pravettoni, Giancarlo Pruneri*
- 15.20- 16.00** Statements and outline of the manuscript
*Giuseppe Curigliano, Paolo Marchetti, Nello Martini,
Gabriella Pravettoni, Giancarlo Pruneri*
- 16.00-16.30** CME final test

General information

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CME Credits: 9

This event is open to biologists, medical doctors and surgeons

Disciplines: Dermatology, Haematology, Gastroenterology, Internal medicine, Oncology, Radiotherapy, Gynaecology, Histology, Biochemistry, Pharmacology and Clinical Toxicology, Clinical Pathology.

To obtain the CME credits, the participant should be present for at least 80% of the total duration of the congress, fill in all the forms and pass the final CME test.

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Registration

Registration is free.

To register for the Congress, please visit us at the Registration Desk in Foyer or send an e-mail to: info@didactika.it.

Registration includes:

Access to all scientific sessions

Certificate of attendance

Coffee breaks and lunch

Faculty

Ludovic Barault, Senior Research Fellow, Laboratory of Cancer Epigenetics Experimental Clinical Molecular Oncology, Candiolo Cancer Institute, Candiolo (Italy)

Massimo Barberis, Head of Histopathological and Molecular Diagnostic Unit, European Institute of Oncology, Milan (Italy)

Susan Bates, Department of Medicine Division of Haematology/Oncology Director, Translational Cancer Medicine, Herbert Irving Comprehensive Cancer Center, Columbia University, New York (USA)

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Marianna Nuti, Full Professor of Pathology, Sapienza University of Rome (Italy)

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