



ALLIANCE  
AGAINST  
CANCER

5<sup>TH</sup> ANNUAL MEETING

# NEW TECHNOLOGIES AND STRATEGIES TO FIGHT CANCER

OCTOBER 28-30, 2020 - **VIRTUAL MODE**



ORGANIZED BY



IEO  
Istituto Europeo di Oncologia



UNIVERSITÀ DEGLI STUDI DI MILANO

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# Wednesday

## PROGRAM 28-10-2020

08:30-09:00

### OPENING SESSION AUTHORITIES

**Roberto Orecchia**, Scientific Director, IEO IRCCS

**Ruggero De Maria**, President, Alliance Against Cancer

**Maria Pia Abbraccio**, Pro-Rector, Milan University

**Giovanni Leonardi**, General Director of Research and Innovation in Health Innovation, Italian MoH

**Mauro Melis**, Chief Executive Officer, IEO IRCCS

**Giuseppe Sala**, Mayor of Milan

09:00- 13:30

### SESSION 1: PRE-CLINICAL BREAKTHROUGHS

Intra-tumour heterogeneity; microenvironment; mechanisms of metastasis and drug-resistance; novel therapeutic approaches.

**Chairs** **Paolo Dellabona**, Director, Division of Immunology, Transplantation and Infectious Diseases and Research, HSR IRCCS

**Alberto Mantovani**, Scientific Director, Humanitas IRCCS

**Gioacchino Natoli**, Department of Experimental Oncology, IEO IRCCS

09:00-09:45

**Yinyin Yuan**, ICR-The Institute of Cancer Research

**Deciphering the tumor microenvironment with computational pathology**

09:45-10:00

**Davide Ceresa**, Ospedale Policlinico San Martino, Genova

**Liquid biopsy to evaluate triple negative breast cancer heterogeneity: an innovative study using genetic barcoding**

10:00-10:15

**Elena Magrini**, Humanitas IRCCS

**Complement activation promoted by the lectin pathway mediates C3aR-dependent sarcoma progression and immunosuppression**

10:15-10:30

**Roberta Noberini**, IEO IRCCS

**Epi-proteomics profiling of clinical samples reveals novel hallmarks of cancer and biomarkers for breast cancer patient stratification**

10:30-10:45

**Samuele Notarbartolo**, INGM

**Phenotypic and functional characterization of infiltrating effector T cell heterogeneity in primary and metastatic CRC**

10:45-11:00

**Mariangela Russo**, Candiolo IRCCS

**Stress-induced mutagenesis favors adaptation of colorectal cancers in response to targeted therapies**

11:00-11:15

**Annalisa Tocci**, IRE IRCCS

**hMENA11a loss activates Type I IFN and inflammatory pathways, and in turn PD-L1 expression, by activating the viral sensor RIG-I**

11:30-12:45

#### Round Table

Current and up-coming technologies to study intra-tumor genetic and phenotypic heterogeneity

#### Discussants

**Andrea Biondi**, Director, Department of Pediatric, Fondazione MBBM/Ospedale San Gerardo and University of Milano-Bicocca

**Massimiliano Pagani**, IFOM and Milan University

**Angela Santoni**, Scientific Director, Istituto Pasteur Italia-Fond. Cenci Bolognetti

**Luca Quagliata**, PhD, BCMAS, Vice-President, Global Head of Medical Affairs, Thermo Fisher Scientific

12:45-13:30

#### Selected Posters

12:45

**Fabrizio Antonangeli**, CNR c/o Sapienza University of Rome

**Gut microbiota alterations affect glioma growth and innate immune cells involved in tumor immunosurveillance**

- 12:52** **Natalia Di Ianni**, Besta IRCCS  
**Radiotherapy treatment in combination with Dendritic Cell Immunotherapy polarizes microglia from M2 to M1 phenotype**
- 12:59** **Stefania Faletti**, IEO IRCCS  
**LSD1 and the adaptive integrated stress response: a novel pathway maintaining tumor initiating cells in human GBM**
- 13:06** **Eugenia Giuliani**, Sapienza University  
**Notch3 contributes to T-cell leukemia growth via regulation of the unfolded protein response**
- 13:13** **Barbara Pasculli**, IRCCS Casa Sollievo della Sofferenza  
**Clinical association of mir-155-5p with breast cancer and its putative relevance for the treatment with PARP inhibitors**
- 13:20** **Giorgia Simonetti**, IRST IRCCS  
**Metabolomics identifies a subgroup of NPM1-mutant acute myeloid leukemia with genomic and transcriptomic specificities**
- 13:30-15:30** **HIGHLIGHT SESSION 1: COVID-19 AND CANCER**  
Biology of COVID19 and diverse patient responses; COVID19 and cancer links
- Chairs** **Silvio Brusaferrò**, President, Istituto Superiore di Sanità,  
**Franco Locatelli**, President, Consiglio Superiore della Sanità, Italian MoH
- 13:30-14:15** **Sergio Abrignani**, Scientific director, INGM and University of Milan  
**Effector and memory lymphocyte responses elicited by Sars-Cov2 infection in man**
- 14:15-15:30** **Round Table**  
Cancer patient challenges: limited access to cancer screenings and care, worse Covid-19 prognosis
- Discussants** **Giovanni Rezza**, Direttore Generale Prevenzione, Ministero della Salute  
**Giuseppe Ippolito**, Scientific Director, INMI Ospedale Spallanzani

**Nicola Silvestris**, Giovanni Paolo II IRCCS, Oncologico Bari

**Giuseppe Curigliano**, IEO IRCCS and University of Milan

**Sergio Abrignani**, Scientific director, INGM and University of Milan

15:30-20:00

**SESSION 2: CANCER PREVENTION AND EARLY-DETECTION**

Assessment of Genetic and Environmental cancer-risk factors; Early-diagnosis biomarkers

**Chairs** **Silvia Franceschi**, Scientific Director, CRO IRCCS

**Giuseppe Opocher**, Scientific Director, IOV IRCCS

**Giuseppe Remuzzi**, Scientific Director, Mario Negri Institute for Pharmacological Research IRCCS

15:30-16:15

**Annarosa Del Mistro**, IOV IRCCS

**Towards universal prevention of a tumour: the case of HPV and cervical cancer**

16:15-17:00

**Maurizio D'Incalci**, Mario Negri Institute for Pharmacological Research IRCCS

**Early Diagnosis of Ovarian Cancer by the Analysis of TP53 Clonal Variants in cervical cells.**

17:00-17:15

**Silvia Cascianelli**, Politecnico Milano

**Boosting perspectives for breast cancer intrinsic subtyping on RNA-sequencing data**

17:15-17:30

**Mara Colombo**, INT IRCCS

**BRCA gene splicing analysis identified a large number of pathogenic variants in Italian breast/ovarian cancer families**

17:30-17:45

**Sara Raimondi**, IEO IRCCS

**Association of MC1R genotype with melanoma risk according to sun exposure**

17:45-18:00

**Andrew M. Thomas**, CIBIO

**Gut microbial signatures for colorectal cancer detection within and across cohorts**

18:00-19:15

**Round Table**

Personal-data sharing, property and privacy

**Discussants** **Roberto de Miro**, FAVO - Federazione Volontari Italiani  
**Annarosa Del Mistro**, IOV IRCCS  
**Maurizio D'Incalci**, Mario Negri Institute for Pharmacological Research IRCCS  
**Stefano Ferretti**, AIRTUM - Associazione Italiana Registri Tumori  
**Maurizio Genuardi**, Policlinico Gemelli IRCCS  
**Carlo La Vecchia**, Milan University

19:15-20:00

**Selected Posters**

19:15

**Matteo Allegretti**, IRE IRCCS

**LiqBreasTrack: liquid biopsy in T-DM1- treated HER2+ breast cancer patients**

19:23

**Tiziana Bonaldi**, IEO IRCCS

**Identification of biomarkers for lung cancer early diagnosis by MS-based serum proteomics**

19:31

**Evaristo Cisbani**, ISS

**Innovative molecular breast imaging device for early cancer diagnosis**

19:39

**Luigino Dal Maso**, CRO IRCCS

**Indicators of cancer cure for European patients: Results from the EURO CARE-5 study**

19:47

**Giuseppa De Luca**, S. Martino IRCCS

**Going beyond WGA: Optimization of a Molecular Tagging-Based NGS Protocol for CTCs Mutational Profiling**

**PROGRAM 29-10-2020**

Thursday

**08:30-13:00**

**SESSION 3: INNOVATIVE TREATMENTS**

Genomic-based Clinical Trials, Immunotherapy, Radiotherapy

**Chairs** **Lisa Licitra**, Scientific Director, CNAO  
**Giovanni Martinelli**, Scientific Director, IRST IRCCS  
**Giovanni Scambia**, Scientific Director, Policlinico Gemelli IRCCS

**08:30-09:15**

**Angelica Facoetti**, CNAO

**Carbon ion therapy: new insights in the biological mechanisms of tumor control**

**09:15-10:00**

**Christophe Le Tourneau**, D3i, Institut Curie

**Drug development in oncology in the era of precision medicine**

**10:00-10:15**

**Silvia Bortolussi**, INFN Pavia

**Boron Neutron Capture Therapy: an emerging selective form of hadrontherapy as a therapeutic option for disseminated tumours**

**10:15-10:30**

**Antonio Camera**, OPBG IRCCS

**GD2-specific chimeric antigen receptor (CAR) T cells incorporating CD28.4-1BB costimulatory domains for treatment of GD2+ sarcomas**

**10:30-10:45**

**Gloria Delfanti**, HSR IRCCS

**Dual targeting of cancer and suppressive myeloid cells by tumor-redirected iNKT cells and antigen-carrying microparticles**

**10:45-11:00**

**Simona Manni**, OPBG IRCCS

**Strategies to increase CAR T-cell safety and to prevent epitope masking in CAR+ B-cell leukemia blasts**



11:00-12:15

**Round Table**

New treatments: Research Priorities

**Discussants**

**Angelica Facoetti**, CNAO

**Christophe Le Tourneau**, Institut Curie

**Corrado Tarella**, IEO IRCCS

**Giampaolo Tortora**, Policlinico Gemelli IRCCS

**Clemens Schmitt**, MDC Berlin

**Pier Luigi Zinzani**, Bologna University

12:15-13:00

**Selected Posters**

12:15

**Alfredo Budillon**, INT "Pascale", IRCCS

**Neoadjuvant nivolumab in early stage colon cancer induces promising tumor regression and T cell infiltration**

12:22

**Marika Guercio**, OPBG IRCCS

**CAR T-cell therapy for the treatment of Germ Cell Tumors (GCTs) with heterogeneous tumor antigen expression**

12:29

**Angela Di Giannatale/Luca Boldrini**, OPBG IRCCS

**Radiogenomics prediction of MYCN status in neuroblastoma: a hypothesis generating study**

12:36

**Giuseppe Fanetti**, CRO IRCCS

**Comorbidities and Cetuximab concomitantly to radiation for platinum- unfit head and neck squamous cell carcinoma patients**

12:43

**Maria B. Ligabue**, Ausl-IRCCS Reggio Emilia

**Efficacy of self- administered complex decongestive therapy on breast cancer-related lymphedema: a single- blind randomized controlled trial**

12:50

**Francesca Paolini/Aldo Venuti**, IRE IRCCS

**An Old Idea Reinvigorated: Plant-Derived Hpv Chimeric Vaccines For Cancer Treatment.**

13:00-13:45

**Special Lecture Communicating Cancer Research To the public**

**Daniela Ovidia**, Scientific Director Agenzia Zoe

**Introduced by** **Anna Sapino**, Scientific Director, Candiolo IRCCS

13:45-14:30

**Special Lecture: Patient involvement and empowerment**

**Salvo Testa**, President, Mutagens Foundation

**Introduced by** **Francesco de Lorenzo**, President, AIMaC  
**Gabriella Pravettoni**, IEO IRCCS and Milan University

14:30-17:30

**HIGHLIGHT SESSION 2: HIGH-DEFINITION ONCOLOGY**

National and International Data-sharing infrastructures; Real World Data; Outcomes Research

**Chairs** **Gennaro Ciliberto**, Scientific Director, IRE IRCCS  
**Pier Giuseppe Pelicci**, IEO and Scientific Coordinator ACC  
**Fabrizio Tagliavini**, Scientific Director, Besta IRCCS

14:30-15:15

**David Kerr**, Radcliffe Department of Medicine, University of Oxford

**International collaboration to collect real time anti cancer drug delivery data**

15:15-15:35

**Letizia Tanca**, Politecnico Milano

**The Health Big Data Project: Challenges and Approaches**

15:35-15:55

**Piers Mahon**, Senior Principal and European Leader, Oncology Evidence Networks at IQVIA

**DIGICORE: an international real world collaboration for translational and outcomes research in precision oncology;**

15:55-16:15

**Giuseppe Testa**, President, ACC GDPR Committee; IEO IRCCS; Milan University and Human Technopole

**Making the most of GDPR: the national ACC-GDPR Commission and the contemporary research ecosystem,**

16:15-17:30

**Round Table**

**Discussants** **Francesco Profumo**, Fondazione Compagnia SanPaolo  
**Anna Paganoni**, Politecnico Milano  
**Salvatore Rossi**, President, Telecom Italia  
**Andrea Di Santo**, Cassa Depositi e Prestiti  
**Sergio Liberatore**, Italy General Manager, IQVIA  
**Vincenzo Valentini**, IRCCS Policlinico Gemelli  
**Filippo De Braud**, INT IRCCS and University of Milan  
**Antonio Zoccoli**, INFN  
**Invited speakers**, Highlight Session 2

17:30-19:00

**Discussion Forum: Role of Collaborative Networks in cancer research and practice.**

**Chairs** **Ruggero De Maria**, President, Alliance Against Cancer  
**Giovanni Leonardi**, General Director of Research and Innovation in Health

**Discussants** **Nicholas Jones**, Cancer Grand Challenge programme, University of Manchester  
**Giulio Draetta**, Senior Vice President and Chief Scientific Officer, MD Anderson Cancer Center, Houston, TX  
**Jean-Yves Blay**, President, Unicancer; General Director, Centre Léon Bérard, Lyon; Director, EURACAN  
**Simon Oberst**, Chair, OECI Accreditation Board, and Director of Clinical Development, the CRUK Cambridge Centre  
**Walter Ricciardi**, UE Mission Board for Cancer and Scientific Director, ICS Maugeri IRCCS

# Friday

## PROGRAM 30-10-2020

08:30-13:15

### HIGHLIGHT SESSION 3: ACCESS OF PATIENTS TO GENOMIC SCREENS AND NEW DRUGS

**Chairs** **Gennaro Ciliberto**, Scientific Director, IRE and Alliance Against Cancer  
**Ruggero De Maria**, President, Alliance Against Cancer  
**Pier Giuseppe Pelicci**, Scientific Coordinator, Alliance Against Cancer;  
Director of Research, IEO IRCCS; University of Milan

08:30-09:15

**Fabien Calvo**, Gustave Roussy

**Genomics and Drug developments: the two revolutions in the last 20 years in cancer management and care**

09:15-09:35

**Vanesa Gregorc**, HSR

**The ACC Lung cancer trial**

09:35-09:55

**Domenica LoRusso**, IRCCS Policlinico Gemelli

**The ACC GerSom trial**

09:55-10:15

**Concetta Quintarelli**, Bambino Gesù Hospital

**CAR T program in ACC: activity framework and advances**

10:15-10:35

**Luca Mazarella**, IEO IRCCS

**The Liquid Biopsy (OncoNGS Consortium)**

10:35-10:55

**Giovanni Tonon**, HSR Milan

**One Million Genome Project**

10:55-11:15

**Nello Martini**, Fondazione Ricerca e Salute

**ACC-AIOM project on mutational oncology**

11:15-11:35

**Sandro Pignata**, Istituto Nazionale TUMORI IRCCS Pascale (video)

**Forza: the ACC clinical research infrastructure**

11:35-13:15

**Round Table**

**Discussants** **Saverio Cinieri**, AIOM (video)  
**Nicola Magrini**, General Director, AIFA (\*)  
**Giselda Scalera**, Research and Innovation in Health  
**Paolo Marchetti**, Direttore Polo Oncologico Università La Sapienza  
**Alberto Bardelli**, Candiolo IRCCS  
**Invited speakers**, Highlight Session 3

13:15-14:15

**ACC Priorities**

**Chairs** **Ruggero De Maria**, President, Alliance Against Cancer  
**Paolo De Paoli**, General Manager, Alliance Against Cancer

13:15-13:45

**Pier Giuseppe Pelicci**, Scientific Coordinator, Alliance Against Cancer;  
 Director, Research Area IEO IRCCS; University of Milan

13:45-14:15

Discussion

14:15-14:45

**Meeting Conclusions**

**Ruggero De Maria**, President, Alliance Against Cancer

**Introduced by** **Giovanni Leonardi**, General Director of Research and Innovation in Health

14:45-19:45

**ACC WORKSHOP**

2020 Activity-report and 2021 scientific plans

**Workshop Coordinators** **Myriam Alcalay**, IEO IRCCS  
**Gennaro Ciliberto**, Scientific Director, IRE and Alliance Against Cancer  
**Ruggero De Maria**, President, Alliance Against Cancer  
**Pier Giuseppe Pelicci**, Scientific Coordinator, Alliance Against Cancer;  
 Director of Research, IEO IRCCS; University of Milan

(\*) To be confirmed

**14:45-15:05**

**Caterina Marchiò**, IRCCS Candiolo

**15:05-15:25**

**Luca Mazzeola**, IEO IRCCS

**15:25-15:45**

**Paola Nisticò**, IRE Rome

**15:45-16:05**

**Luca Boldrini**, IRCCS Policlinico Gemelli

**16:05-16:25**

**Giulia Buzzatti**, San Martino Hospital IRCCS

**16:25-16:45**

**Gaetano Finocchiaro**, Besta IRCCS

**16:45-17:05**

**Gian Domenico Russo**, IDI IRCCS

**17:05-17:25**

**Roberta Maestro**, CRO Aviano IRCCS

**17:25-17:45**

**Katia Scotlandi**, IOR IRCCS

**17:45-18:05**

**Enrico Derenzini**, IEO IRCCS

**18:05-18:25**

**Enzo Medico**, IRCCS Candiolo

**18:25-19:45**

General Discussion

**WG PATHOLOGY**

**WG GENOMICS**

**WG IMMUNOTHERAPY**

**WG RADIOMICS**

**WG BREAST**

**WG GLIOBLASTOMA**

**WG MELANOMA**

**WG SARCOMA**

**WG SKELETAL-MUSCLE TUMORS**

**WG ONCO-HEMATOLOGY**

**WG COLON**



The largest Italian network for cancer research

[allianceagainstcancer.org](http://allianceagainstcancer.org) | [alleanzacontroilcancro.it](http://alleanzacontroilcancro.it)