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***Hybrid meeting***

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33rd AICC ANNUAL CONFERENCE: INTERNATIONAL MEETING ON

CANCER METABOLISM

**Dissecting metabolic circuitries in cancer cells and microenvironment:**

**how to learn from bad lessons to develop new therapeutic opportunities**

The tumor cell and its microenvironment, including the stroma, the vascular component and the immune infiltrate, are linked by multiple cross talks that allow the adaptation of the cancer cells to unfavorable conditions, such as hypoxia, nutrient deprivation, cytotoxicity induced by radiotherapy and chemotherapy, host's immune system recognition.

In this meeting, internationally recognized speakers will discuss the complexity of the metabolic changes that occur during tumor transformation, progression, and acquisition of resistance to therapy. The metabolic circuits established between the tumor cell and the microenvironment, leading to the selection of more aggressive and resistant clones, will be dissected and analyzed, with the final goal to identify new predictive and prognostic biomarkers for patient’s stratification and new therapeutic targets.

Recently, genomics, transcriptomics and proteomics have significantly improved the diagnostic accuracy and the therapeutic approach to the oncological patients, increasingly leading to personalized diagnoses and treatments. The metabolomics is an indispensable complement to the other "omic" techniques, if integrated with “omic” and single-cell imaging, flow-cytometry or molecular-biology-based assays, currently used at preclinical and clinical levels.

In the era of high-throughput techniques at the service of biomedical research and precision medicine, great importance will be given to the most innovative technologies that allow the metabolic mapping of each cancer and/or the generation of in vitro metabolic “avatars” of the individual patient, to make the stratification procedure and the efficacy of therapeutic treatment more and more accurate. The most relevant brands in the field will be present at the meeting, illustrating the latest innovations in a dedicated technical session.

We believe that the meeting will be highly attractive for a broad spectrum of scientists, working in basic and translational research, as well as in clinic units. Besides the presence of world-class speakers, the AICC meeting continues its long tradition of involving your researchers, dedicating slots for oral communications and posters. The best works presented by young scientists will be awarded by special prizes.

Looking for meeting you,

Prof. Michele Caraglia Prof. Chiara Riganti

AICC President AICC Board member

Meeting Organizer

**Confirmed speakers:**

Patrizia Agostinis, UCL Louvain, Louvain, Belgium

Fatima Baltazar, University do Minho, Porto, Portugal

Luca Cardone, CNR/IRCCS Istituto Regina Elena, Roma

Daria Capece, Universotà de L’Aquila

Alessandro Carrer, Veneto Institute of Molecular Medicine (VIMM), Padova

Ferdinando Chiaradonna, Università degli Studi di Milano Bicocca, Milano

Paola Chiarugi, Università degli Studi di Firenze

Cyril Corbet, UCL Brussels, Belgium

Giannino Del Sal, IFO/Università degli Studi di Trieste

Franca Esposito, Università Federico II, Napoli

Christian Frezza, MRC/University of Cambridge, UK

Giuseppe Gasparre, Università degli Studi di Bologna

Eyal Gottlieb, Technion University, Haifa, Israel

Emilio Hirsch, Università degli Studi di Torino

Massimiliano Mazzone, UCL Louvain, Louvain, Belgium, and Università degli Studi di Torino

Anna Maria Porcelli,Università degli Studi di Bologna

Claudia Piccoli, Università degli Studi di Foggia

Nadia Raffaelli, Università Politecnica delle Marche

Sara Sdelci, Centre for Genomic Regulation, Barcelona, Spain

Carlos Sebastian, University of Barcelona, Spain

Tiziano Serra, AO Foundation, Davos, Switzerland

Antonio Sica, Fondazione Humanitas, Università degli Studi del Piemonte Orientale

Pierre Sonveaux, UCL Louvain, Louvain, Belgium

Saverio Tardito, Beatson Research Institute, Glasgow, UK