

1ST MILAN ME[E]T IMMUNE CONFERENCE

ACC  MED

ACCADEMIA NAZIONALE DI MEDICINA

SEZIONE DI ONCOLOGIA

How Metabolism Meets the Immune System in Human Malignancies

Milan, April 27-28 2023

Course Director
Filippo de Braud

6,3 CME
credits

www.accmed.org

Objectives

Preclinical and clinical studies demonstrate how the modulation of systemic and tumor metabolism influences crucial properties of human neoplasms, namely cancer cell growth, invasion, immunoregulation, metastasis and response to standard treatments, including chemotherapy, immunotherapy and targeted therapies.

The objective of this Conference, the first of a series of annual conferences on this topic, is to bring together national and international experts in the field of pre-clinical and clinical research on cancer metabolism and immunology, with the aim of sharing and discussing the most recent advances in this field of research. In particular, the Speakers will discuss experimental therapeutic strategies which, through the modulation of host and tumor metabolism, are able to impact on the activation status of specific populations of the immune system involved in antitumor immune response.

Particular attention will be paid to the clinical implications of these experimental strategies, and in particular to metabolic treatments, both nutritional or pharmacological ones, which have demonstrated antitumor and immunomodulatory effects, especially when used in combination with standard anticancer therapies in preclinical studies, and that are currently being tested in clinical trials.

Addressed to

Medical oncologists, clinical nutritionists, pathologists, radiologists, radiation oncologists. Biologists.

With the Endorsement of:



Fondazione IRCCS
Istituto Nazionale dei Tumori

Sistema Socio Sanitario



Regione
Lombardia



UNIVERSITÀ DEGLI STUDI
DI MILANO

CME

Based on the in force regulations approved by the CNFC, Accademia Nazionale di Medicina (provider n. 31) will assign to the activity CME (31-375809): **6,3 CME credits**.

Training objective: professional and technical content (knowledge and skills) specific to each profession, specialization and highly specialized activity. Rare disease.

The credit certification is subject to:

- professions/specializations should correspond to those which have been accredited for CME;
- attendance at the 90% of the meeting;
- the completion of the Meeting evaluation online form;
- completion of the final test (at least 75% of correct answers). 1 attempt admitted. The test and the meeting evaluation form must be completed within 3 days from the end of the event.

Registration

Participation in the course is free, places available are limited.

It is possible to register online at the address <https://fad.acmed.org/course/info.php?id=1162> by 18 april 2023. Registration will be accepted in the chronological order of arrival and will be confirmed by e-mail.

Program

Thursday, April 27th

12.00 *Registration and welcome coffee*

13.00 Meeting introduction
Giovanni Apolone

■ SESSION 1
■ Open debates on calorie restriction in cancer patients
■ Chairman: Riccardo Caccialanza

13.30 Impact of severe calorie restriction on systemic metabolism and intratumor immunity in cancer patients
Filippo de Braud

13.55 Severe calorie restriction in breast and lung cancer treatment: past, present and future
Claudio Vernieri

14.20 Nutrient supplementation versus restriction in cancer therapy: the endless debate
Emanuele Cereda

14.45 Discussion

15.05 *Coffee break*

■ SESSION 2
■ Crosstalk between metabolism, immune system and biomechanics: from preclinical models to patients
■ Chairman: Massimo Di Nicola

15.30 The interplay between metabolism and bio-mechanics in cancer cells
Marco Foiani

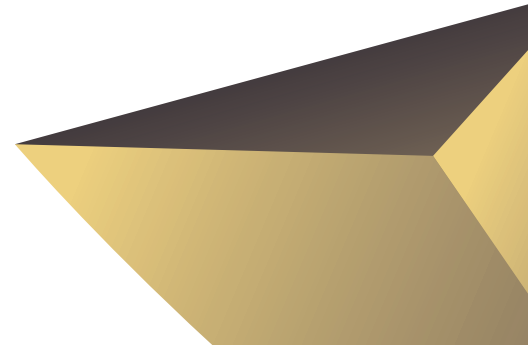
15.50 Impact of metabolic modifications on tumor microenvironment
Massimiliano Pagani

16.10 Fatty acid metabolism and immunomodulation in breast cancer
Mario Colombo

16.30 Impact of severe calorie restriction on immunosuppressive myeloid cells in cancer patients
Licia Rivoltini

16.50 Discussion

17.15 Adjourn



Friday, April 28th

LECTURE

9.30 Metabolic dependencies and targetable vulnerabilities in human malignancies
Jason Locasale

10.10 Discussion

SESSION 3

Role of diet, physical exercise and body composition in immunomodulation and cancer treatment
Chairman: Gabriella Sozzi

10.30 Current approaches and future perspectives of immunotherapies in breast and lung cancer
Michele Maio

11.00 Impact of weight loss on clinical outcomes in cancer patients
Jennifer Ligibel

11.30 Role of adiposity and body composition on breast cancer response to treatments
Christine Desmedt

12.00 Cyclic fasting in hormone receptor-positive breast cancer: from preclinical to clinical research
Alessio Nencioni

12.30 Discussion

13.00 Lunch

SESSION 4

Fasting-mimicking diet in cancer treatment: different experiences from different countries
Chairman: Giovanni Fucà

14.15 Fasting-mimicking diet in addition to neoadjuvant chemotherapy in breast cancer patients: the Dutch experience
Judith R. Kroep

14.45 Fasting-like approaches in cancer treatment: the German experience
Andreas Michalsen

15.15 Discussion

LECTURES

15.45 The role of gut and tumor microbiota in tumor immunomodulation and response to therapies
Giorgio Trinchieri

16.15 Fasting and fasting-mimicking diets in cancer therapy: from preclinical studies to clinical trials
Valter Longo

16.45 Take home messages
Filippo de Braud

17.00 Adjourn

Course Director

Filippo de Braud

Dipartimento di Oncologia

S.C. Oncologia Medica 1

Fondazione IRCCS Istituto Nazionale Tumori

Milano

Scientific Committee

Claudio Vernieri

U.O. Breast Unit, S.C. Oncologia Medica 1

IRCCS Istituto Nazionale Tumori

Milano

Metabolic Reprogramming in Solid Tumors Unit

IFOM, Istituto Fondazione di Oncologia

Molecolare ETS

Milano

Faculty

Giovanni Apolone, Milano

Riccardo Caccialanza, Pavia

Emanuele Cereda, Pavia

Mario Colombo, Milano

Christine Desmedt, Leuven (B)

Massimo Di Nicola, Milano

Marco Foiani, Milano

Giovanni Fucà, Milano

Judith R. Kroep, Leiden (NL)

Jennifer Ligibel, Boston (USA)

Jason Locasale, Durham (North Carolina, USA)

Valter Longo, Los Angeles (USA)

Michele Maio, Siena

Andreas Michalsen, Berlin (D)

Alessio Nencioni, Genova

Massimiliano Pagani, Milano

Licia Rivoltini, Milano

Gabriella Sozzi, Milano

Giorgio Trinchieri, Bethesda (USA)

Meeting venue

Aula Magna

Fondazione IRCCS Istituto Nazionale dei Tumori
Milano

Address: Via Giacomo Venezian, 1 – 20133 Milan

Organizer

ACCADEMIA NAZIONALE DI MEDICINA

Direttore Generale: Stefania Ledda

Via Martin Piaggio, 17/6

16122 Genova



Information

www.fad.accmed.org

Ph: 010 83794239

Mob: 3357112604

E-mail: segreteriaacorsi@accmed.org

Logistics and technological services

Forum Service

Via Martin Piaggio 17/8

16122 Genova

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