

HYBRID COURSE IN-CLASS/ONLINE



UNIVERSITÀ DEL PIEMONTE ORIENTALE

DIRECTORS

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INTERNATIONAL
SUMMER SCHOOL
ON **IMMUNO**
ONCOLOGY 2nd edition

Under the patronage of



Associazione Italiana di Oncologia Medica



VERBANIA

14-17 September 2022


Villa San Remigio

Università del Piemonte Orientale

Con il Patrocinio di



CITTÀ DI VERBANIA

INTERNATIONAL  2nd edition
**SUMMER SCHOOL ON
IMMUNO ONCOLOGY**

Course Objectives

The “Summer School of Immuno-Oncology - 2nd edition” aims to discuss knowledge and recent advances in the field of cancer immunotherapy.

A panel of national and international lecturers will cover various aspects of preclinical and clinical immuno-oncology, ranging from the study of basic pathogenetic mechanisms for the discovery of new immunotherapeutic targets to more clinical aspects related to the effectiveness of combinatorial approaches in boosting cancer immunotherapy.


The school will provide young oncologists, PhDs and PhD students involved in clinical and research projects related to cancer immunotherapy with a solid background in novel immuno-oncology topics and through advanced analysis of preclinical and clinical data.

The goal is to discuss the current state of knowledge in the field of cancer immunotherapy from an interdisciplinary and translational “bench-to-bedside” standpoint.



Wednesday, September 14

- 14.00 Opening address
Gian Carlo Avanzi, Marco Krengli
- Introduction to the school and program presentation
Marisa Gariglio, Alessandra Gennari, Antonia Follenzi, Antonio Sica
- 14.20 Opening lecture: **Gianluca Gaidano**
Chairs: **Gian Carlo Avanzi, Antonio Sica**
- 15.00 **Immunotherapy in the clinic**
Chairs: **Alessandra Gennari, Pierfranco Conte**
- Innovative IO in solid tumors: what's next? **Giuseppe Curigliano**
 - IO & Lung cancer **Silvia Novello**
- 16.00 **Coffee break**
- 16.15
- Update on (chemo)radiotherapy-immunotherapy combinations for stage 3 NSCLC **Andrea Filippi**
 - IO & Genitourinary tumors **Camillo Porta**
 - IO & Liver cancer **David James Pinato**
 - Evolving paradigm in breast cancer: from target agents to IO **Valentina Guarneri**
 - Molecular Imaging as a predictive assay of response to ICI **Carolien Schröder**
- 18.30 Discussion
- 19.00 Closing of the day

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Thursday, September 15

09.00 Immune components of TME

Chairs: [Annalisa Chiocchetti](#), [Lia Rimondini](#)

- TAMs ad TME [Paola Allavena](#)
- Plasticity of Neutrophils in cancer [Sebastian Jaillon](#)

10.00 Discussion

10.30 [Coffee break](#)

- 10.45**
- Human T cells engineered with a leukemia lipid-specific TCR enables donor-unrestricted recognition of CD1c-expressing leukemia [Giulia Casorati](#)
 - Personalizing cancer therapy: Integrating Immunoprofiling of the cancer patient in the clinical pathways [Marianna Nuti](#), [Aurelia Rughetti](#)

11.40 Discussion

12.00 Three selected abstracts presentation by young researchers

Chairs: [Chiara Porta](#), [Marcello Manfredi](#)

12.30 [Lunch](#)

14.00 Therapeutic remodeling of TME

Chairs: [Antonio Sica](#), [Umberto Dianzani](#)

- Tumor stroma: fibroblasts, mesenchymal stromal cells, osteoblasts and chondrocytes, and the extracellular matrix [Mario Colombo](#)
- Heterocellular OSM-OSMR signalling reprograms fibroblasts to promote pancreatic cancer growth and metastasis. [Claus Jørgensen](#)
- Anti-inflammatory drugs remodel the tumor immune environment to enhance immune checkpoint blockade efficacy. [Santiago Zelenay](#)

15.30 Discussion

16.00 [Coffee break](#)



- 16.20 Molecular and genetic determinants of cancer risk and response prediction**
Chairs: Matteo Donadon, Claudio Santoro
- Molecular determinants of response to immunotherapy in melanoma
Paolo Vigneri
 - Gut microbiota and genetic predisposition in colon cancer
Irma Dianzani
- 17.20 Discussion**

- 17.30 Three selected abstracts presentation by young researchers**
Chairs: Veronica Martini, Andrea Patriarca

- 18.00 Closing of the day**

Friday, September 16


- 09.00 New approaches for T-cell immunotherapy**
Chairs: Antonia Follenzi, Chiara Bonini
- CAR-redirection Cellular Immunotherapy in solid tumors: rationale bases and clinical perspectives **Dario Sangiolo**
 - T-cell genome editing for cancer immunotherapy **Chiara Bonini**
- 10.00 Discussion**

- 10.30 Coffee break**

- 10.50 Cellular and molecular determinants of IO response**
Chairs: Ciro Isidoro, Elena Grossini
- The role of cancer stem cells in drug resistance and recurrence
Massimo Dominici
 - Microvesicles and the immune component system
Annalisa Chiocchetti

- 12:00 Three selected abstracts presentation by young researchers**
Chairs: Chiara Borsotti, Rita Carini

- 12.30 Lunch**

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14.00 Understanding SARS-CoV-2 pathogenic mechanisms to unveil novel therapeutic targets

Chairs: [Marisa Gariglio](#), [Marco De Andrea](#)

- Lipid metabolism as a novel host target to inhibit SARS-CoV-2 replication [Mauro Pistello](#)
- Humoral pattern recognition molecules and SARS-CoV-2
[Cecilia Garlanda](#)
- Upper respiratory tract and respiratory viruses: what did we learn from SARS-CoV-2 infection? [Nicasio Mancini](#)

15.30 Discussion

16.00 Coffee break

16.30 Three selected abstracts presentation by young researchers

Chairs: [Cinzia Borgogna](#), [Irene Lo Cigno](#)

17.00 Closing of the day

Saturday, September 17

09.00 Translational insight and treatment options

Chairs: [Pierluigi Canonico](#), [Mauro Botta](#)

- Metabolomics to assess response to immune checkpoint inhibitors
[Claudio Luchinat](#)
- Regulatory process and clinical benefit [Massimo Di Maio](#)
- Cell therapy in hematology [Marco Ladetto](#)

10.30 Discussion

11.00 Coffee break

11.30 Closing Lecture

Chairs: [Renzo Boldorini](#), [Marco Krengli](#)

IO Predictors of response from bench to bedside [Giuseppe Viale](#)



12.00 Best young researcher abstract award and presentation

12.30 Conclusions and Adjournement:

Antonia Follenzi, Marisa Gariglio, Alessandra Gennari, Antonio Sica

INVITED FACULTY

Paola **Allavena** *Milano*

Gian Carlo **Avanzi** *Novara*

Renzo **Boldorini** *Novara*

Chiara **Bonini** *Milano*

Cinzia **Borgogna** *Novara*

Chiara **Borsotti** *Novara*

Mauro **Botta** *Novara*

Pierluigi **Canonico** *Novara*

Rita **Carini** *Novara*

Giulia **Casorati** *Milano*

Annalisa **Chiocchetti** *Novara*

Mario **Colombo** *Milano*

Pierfranco **Conte** *Padova*

Giuseppe **Curigliano** *Milano*

Marco **De Andrea** *Torino*

Umberto **Dianzani** *Novara*

Irma **Dianzani** *Novara*

Massimo **Di Maio** *Torino*

Massimo **Dominici** *Modena*

Matteo **Donadon** *Milano*

Andrea **Filippi** *Pavia*

Antonia **Follenzi** *Novara*

Gianluca **Gaidano** *Novara*

Marisa **Gariglio** *Novara*

Cecilia **Garlanda** *Milano*

Alessandra **Gennari** *Novara*

Elena **Grossini** *Novara*

Valentina **Guarneri** *Padova*

Ciro **Isidoro** *Novara*

Sebastian **Jaillon** *Milano*

Claus **Jørgensen** *Manchester*

Marco **Ladetto** *Alessandria*

Ciro **Lo Cigno** *Novara*

Claudio **Luchinat** *Firenze*

Marco **Krengli** *Novara*

Nicasio **Mancini** *Milano*

Marcello **Manfredi** *Novara*

Veronica **Martini** *Novara*

Silvia **Novello** *Torino*

Marianna **Nuti** *Roma*

Andrea **Patriarca** *Novara*

David **Pinato** *Novara*

Mauro **Pistello** *Pisa*

Camillo **Porta** *Bari*

Chiara **Porta** *Novara*

Lia **Rimondini** *Novara*

Aurelia **Ruggetti** *Roma*

Dario **Sangiolo** *Candiolo*

Carolien **Schröder** *Groningen*


Claudio **Santoro** *Novara*

Antonio **Sica** *Novara*

Giuseppe **Viale** *Milano*

Paolo **Vigneri** *Catania*

Santiago **Zelanay** *Manchester*

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Addressed to

40 attendees: **Physicians** and **Resident doctors** in Oncology, Clinical immunology and Allergology, Hematology, Microbiology and Virology, Radiotherapy; **Biologists, Pharmacists**, but also **PhD students**, students and graduates of the degree programme in **Pharmaceutical Chemistry and Technology and Biotechnology**.

Registration fees (VAT included)

€ 300,00 In-class course

€ 200,00 In-class course
for UPO Staff & Students

€ 100,00 Online live webinar (no CME)

Full information and registration on
www.symposiacongressi.com/issio2022

Course Venue

Villa San Remigio
Università del Piemonte Orientale
Via San Remigio 20 - 28922 Verbania

Abstract

Click here for detailed information:
www.symposiacongressi.com/issio2022

Remember:

Aug 30, 2022

Abstract submission deadline

Sep 5, 2022

Organizing Secretariat and CME Provider

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Date of acceptance

CME In-Class Course

Based on the in force regulations approved by the CNFC, Symposia Organizzazione Congressi Srl (provider n. 486) will assign to the activity CME (486-**355705**): **24** CME points.

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

The credit certification for In-Class Course is subject to:

- Professions/specializations should correspond to those which have been accredited for CME
- attendance at the 90% of the event
- the completion of the Meeting evaluation online form;
- the 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.

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