

DIRECTORS

Antonia Follenzi

Dipartimento di Scienze della Salute
UPO - Università del Piemonte Orientale, Novara

Marisa Gariglio

Dipartimento di Medicina Traslazionale
UPO - Università del Piemonte Orientale, Novara

Alessandra Gennari

Divisione di Oncologia - Ospedale Maggiore della Carità
Dipartimento di Medicina Traslazionale
UPO - Università del Piemonte Orientale, Novara

Antonio Sica

Dipartimento di Scienze del Farmaco
UPO - Università del Piemonte Orientale, Novara

INTERNATIONAL
SUMMER SCHOOL
ON **IMMUNO**
ONCOLOGY 3rd edition

Under the patronage of



Con il Patrocinio di



CITTÀ DI VERBANIA

VERBANIA
13-16 September 2023

Villa San Remigio
Università del Piemonte Orientale



INTERNATIONAL **SUMMER SCHOOL ON** **IMMUNO ONCOLOGY** 3rd edition

Course Objectives

The “Summer School of Immuno-Oncology - 3rd 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 13

- 14.00** Opening address
Gian Carlo Avanzi, Gianluca Gaidano
- Introduction to the school and program presentation
Marisa Gariglio, Alessandra Gennari, Antonia Follenzi, Antonio Sica
- 14.20** *Chairs:* **Gian Carlo Avanzi, Gianluca Gaidano**
The impact of Molecular Tumor Board on Clinical Choice in solid tumors
Giorgio Scagliotti
The implementation of MTB in Oncology Networks **Pierfranco Conte**
- 15.20** **Immunotherapy in the clinic I**
Chairs: **Gianluca Aimaretti, Pierfranco Conte**
- Innovative IO in solid tumors: what's next? **Claudio Vernieri**
 - IO & Lung cancer **Francesco Passiglia**
 - Update on (chemo)radiotherapy-immunotherapy combinations
Umberto Ricardi
- Discussion*
- 16.30** **Coffee break**
- 17.00** *Chairs:* **Cristina Rigamonti, Alessandra Gennari**
- IO and Breast cancer **Valentina Guarneri**
 - Molecular determinants of response to immunotherapy in melanoma
Paolo Vigneri
 - IO & Metabolic Disorders **Alessio Cortellini**
- Discussion*
- 19.00** Closing of the day

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Thursday, September 14

09.00 **Traslational Immuno-Oncology I**

Chairs: **Irma Dianzani, Antonio Sica**

- Advance on the mechanisms whereby slan+monocytes kill therapeutic antibody-coated cancer cells **Marco Cassatella**
- Impact of diet and microbiome on immunotherapy for multiple myeloma **Matteo Bellone**
- Heterotypic signalling between tumor cells and macrophages sustains cancer progression **Diletta Di Mitri**
- Cancer cell genotype shapes the tumor immune landscape. A snapshot on high grade serous ovarian cancer **Sergio Marchini**

Discussion

10.40 **Coffee break**

11.00 **Traslational Immuno-Oncology II**

Chairs: **Rita Carini, Ciro Isidoro**

- Role and (dys)regulation of Autophagy in Cancer: an introduction **Ciro Isidoro**
- Immune signature in Breast Cancer **Benedetta Conte**
- Preclinical models to improve cancer immunotherapy outcomes **Daniela De Zio**
- Personalizing cancer therapy: Integrating Immunoprofiling of the cancer patient in the clinical pathways **Aurelia Rughetti**

Discussion

12.30 **Tumor Macro Environment**

Three selected abstracts presentation by young researchers

Chairs: **Marcello Manfredi, Chiara Porta**

13.00 **Lunch**

14.00 **Molecular and genetic determinants of cancer risk and response prediction**

Chairs: **Annalisa Chiocchetti, David James Pinato**

- Chemo and gene therapy combo to counteract drug resistance in frontier cancers **Massimo Dominici**
- Shaping the immunome in breast cancer **Annalisa Chiocchetti**
- Microvesicles in Breast Cancer **Paola Lanuti**
- Extracellular vesicles: The key for precision medicine in glioblastoma **Giuliana Pelicci**

Discussion

16.00 **Coffee break**



16.30 Immunotherapy in the clinic II
Chairs: Pierfrancesco Franco, Giorgio Valabrega

- IO & Endometrial Cancer **Giorgio Valabrega**
 - IO & Colon Cancer **Chiara Cremolini**
 - IO & GU Cancers **Carlo Cattrini**
 - IO & Liver cancer **David James Pinato**
 - IO & Hematologic Malignances **Marco Ladetto**
- Discussion*

18.30 Specific Antitumor immunity
Three selected abstracts presentation by young researchers
Chairs: Sarah Carginin, Benedetta Conte, Simone Gobbato

19.00 Closing of the day

Friday, September 15

09.00 New approaches for T-Cell immunotherapy
Chairs: Antonia Follenzi, Lia Rimondini

- Engineering T lymphocytes for the treatment of hematological and solid tumors **Eliana Ruggiero**
 - PD-1 receptor outside the main paradigm: tumor-intrinsic role and clinical implications for checkpoint inhibitors **Dario Sangiolo**
 - Exploiting DNA Damage Response to Identify New Therapeutic Vulnerabilities in Cancer **Giovanni Germano**
- Discussion*


10.30 Coffee break

11.00 Cellular and Molecular determinants of IO response
Chairs: Alessandra Gennari, Alberto Zambelli

- New predictive assays of response **Giampaolo Bianchini**
 - Precision medicine in colorectal cancer: Challenges and opportunities **Livio Trusolino**
 - New approaches in Triple Negative Breast Cancer **Carmen Criscitiello**
 - Tumor microenvironment in osteosarcoma models **Nicola Baldini**
- Discussion*

12.30 Traslational research in immune oncology
Three selected abstracts presentation by young researchers
Chairs: Chiara Borsotti, Daniela Capello

13.00 Lunch

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14.00 The complex interplay between viruses and cancer

Chairs: **Cinzia Borgogna, Marisa Gariglio**

- Human papillomavirus infection and genital cancer **Maria Lina Tornesello**
- HPV head & neck cancer **Susanna Chiocca**
- HCV and lymphoproliferative disorders **Anna Linda Zignego**
- Unravelling the role of the Human Endogenous Retroviruses in Colon Cancer
Serena Delbue

Discussion

16.00 Coffee break

16.30 Vaccination for Herpes Zoster in immunocompromised patients

Chairs: **Marisa Gariglio, Alessandra Gennari**

- Current Strategies and Future Directions in the Prevention and Treatment of Varicella Zoster Virus Infection **Mauro Pistello**
- Vaccination for Herpes Zoster in patients with solid tumors **Paolo Pedrazzoli**
- Prediction of response to Herpes Zoster vaccination in immunocompromised patients **Irene Cassaniti**

18.00 Patogenic mechanism

Three selected abstracts presentation by young researchers

Chairs: **Giuseppe Cappellano, Marco De Andrea**

18.30 Closing of the day

Saturday, September 16

09.00 Traslational insight and treatment options

Chairs: **Roberto Barbato, Pierluigi Canonico**

- Regulatory Process and Clinical Benefit: The case of Immunotherapy
Armando Genazzani
- Evaluation of Drug Innovativeness: Key Determinants and Internal Consistency
Claudio Jommi

Discussion

10.30 Coffee break

11.00 Chair: Alessandra Gennari

Introduction by **Giampaolo Bianchini**

- Cancer Relevance of Human Genes **Laios Pustzai**
- Epigenetics and metabolism control in cancer **Danny Dhanasekaran**



12.00 Closing Lecture

Introduction by **Gianluca Gaidano**

Role of ICOS and ICOLS in the tumormicroenvironment **Umberto Dianzani**

Best young researcher abstract award and presentation

13.00 Conclusions and Adjournement

Antonia Follenzi, Marisa Gariglio, Alessandra Gennari, Antonio Sica

INVITED FACULTY

Gianluca **Aimaretti** *Novara*
Gian Carlo **Avanzi** *Novara*
Nicola **Baldini** *Bologna*
Roberto **Barbato** *Novara*
Matteo **Bellone** *Milano*
Giampaolo **Bianchini** *Milano*
Cinzia **Borgogna** *Novara*
Chiara **Borsotti** *Novara*
Pierluigi **Canonico** *Novara*
Daniela **Capello** *Novara*
Giuseppe **Cappellano** *Novara*
Sarah **Cargnin** *Novara*
Rita **Carini** *Novara*
Irene **Cassaniti** *Pavia*
Marco **Cassatella** *Verona*
Carlo **Cattrini** *Novara*
Susanna **Chiocca** *Milano*
Annalisa **Chiocchetti** *Novara*
Benedetta **Conte** *Genova*
Pierfranco **Conte** *Padova*
Alessio **Cortellini** *Roma*
Chiara **Cremolini** *Pisa*
Carmen **Crisciuffello** *Milano*
Marco **De Andrea** *Torino*
Daniela **De Zio** *Copenhagen*
Serena **Delbue** *Milano*
Danny **Dhanasekaran** *Oklahoma City*
Diletta **Di Mitri** *Milano*
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Umberto **Dianzani** *Novara*
Massimo **Dominici** *Modena*
Antonia **Follenzi** *Novara*
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Giovanni **Germano** *Torino*
Simone **Gobbato** *Torino*
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Ciro **Isidoro** *Novara*
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Paola **Lanuti** *Chieti*
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Paolo **Pedrazzoli** *Pavia*
Giuliana **Pelicci** *Novara*
David James **Pinato** *Novara*
Mauro **Pistello** *Pisa*
Chiara **Porta** *Novara*
Laios **Pustzai** *New Haven*
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Livio **Trusolino** *Candiolo*
Giorgio **Valabrega** *Torino*
Claudio **Vernieri** *Milano*
Paolo **Vigneri** *Catania*
Alberto **Zambelli** *Milano*
Anna Linda **Zignego** *Firenze*

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Addressed to

40 attendees: Physicians and Resident doctors specialised 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

Full information and registration on

www.symposiacongressi.com

Course Venue

Villa San Remigio

Università del Piemonte Orientale

Via San Remigio 20 - 28922 Verbania

Abstract

Click here for detailed information:

www.symposiacongressi.com

Remember:

Aug 30, 2023 Abstract submission deadline

Sep 5, 2023 Date of acceptance

CME

Based on the in force regulations approved by the CNFC, Symposia Organizzazione Congressi Srl (provider n. 486) will assign to the activity CME (486-**385399**) **24 CME points**.

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Piazza Campetto, 2/8 - 16123 Genova

T 010 255146

E symposia@symposiacongressi.com

W www.symposiacongressi.com

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