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INTERNATIONAL  
**SUMMER SCHOOL**  
ON **IMMUNO**  
**ONCOLOGY** 3<sup>rd</sup> 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** 3<sup>rd</sup> edition

## Course Objectives

The “Summer School of Immuno-Oncology - 3<sup>rd</sup> 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 **Fausto Baldanti**

**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 Putzai**
- 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*  
Fausto **Baldanti** *Pavia*  
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*  
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 **Criscitello** *Milano*  
Marco **De Andrea** *Torino*  
Daniela **De Zio** *Copenhagen*  
Serena **Delbue** *Milano*  
Danny **Dhanasekaran** *Oklahoma City*  
Diletta **Di Mitri** *Milano*  
Irma **Dianzani** *Novara*  
Umberto **Dianzani** *Novara*  
Massimo **Dominici** *Modena*  
Antonia **Follenzi** *Novara*  
Pierfrancesco **Franco** *Novara*  
Gianluca **Gaidano** *Novara*

Marisa **Gariglio** *Novara*  
Armando **Genazzani** *Novara*  
Alessandra **Gennari** *Novara*  
Giovanni **Germano** *Torino*  
Simone **Gobbato** *Torino*  
Valentina **Guarneri** *Padova*  
Ciro **Isidoro** *Novara*  
Claudio **Jommi** *Novara*  
Marco **Ladetto** *Alessandria*  
Paola **Lanuti** *Chieti*  
Marcello **Manfredi** *Novara*  
Sergio **Marchini** *Milano*  
Francesco **Passiglia** *Torino*  
Paolo **Pedrazzoli** *Pavia*  
Giuliana **Pelicci** *Novara*  
David James **Pinato** *Novara*  
Mauro **Pistello** *Pisa*  
Chiara **Porta** *Novara*  
Laios **Putzai** *New Haven*  
Umberto **Ricardi** *Torino*  
Cristina **Rigamonti** *Novara*  
Lia **Rimondini** *Novara*  
Eliana **Ruggiero** *Milano*  
Aurelia **Rughetti** *Roma*  
Dario **Sangiolo** *Candiolo*  
Giorgio **Scagliotti** *Torino*  
Antonio **Sica** *Novara*  
Maria Lina **Tornesello** *Napoli*  
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](http://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](http://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**.

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

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