



UNIVERSITÀ DEL PIEMONTE ORIENTALE

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INTERNATIONAL SUMMER SCHOOL ON **MOLECULAR ONCOLOGY**

4th edition

Under the patronage of



VERBANIA

04-07 September 2024

Villa San Remigio
Università del Piemonte Orientale



INTERNATIONAL **SUMMER SCHOOL ON**
MOLECULAR ONCOLOGY 4th edition

Course Objectives

The “Summer School on Molecular -Oncology – 4th edition” aims to discuss knowledge and recent advances in the field of cancer immunotherapy.

A panel of national and international professors will deal with various aspects of molecular oncology: from the basic study of pathogenetic mechanisms to the discovery of new immunotherapies, dealing with the more clinical aspects related to the efficacy of combinatorics to enhance immunotherapy against cancer.

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 04



- 14.00 Opening address
Gianluca Aimaretti, Giancarlo Avanzi, Gianluca Gaidano
- 14.10 Introduction to the school and program presentation
Marisa Gariglio, Alessandra Gennari, Antonia Follenzi, Antonio Sica
- 14.20 **Opening lecture: Massimo Dominici**
Gene therapies for solid tumors: prime time is coming?
Chair: Gianluca Gaidano
- 14.40 **New target directed agents I**
Chairs: Renzo Boldorini, Valentina Guarneri
- Innovative Drugs in Breast Cancer **Alberto Zambelli**
 - New target assessments to address treatment options in breast cancer
Nicola Fusco
 - Molecular Imaging as an in vivo predictor of response **Carolien Schroder**
- Discussion*
- 16.00 **Coffee break**
- 16.30 *Chairs: Alessandra Gennari, Valentina Guarneri*
Metabolic traits of cancer inflammation
Lecture: **Antonio Sica**
- 17.00 **New target directed agents II**
Chairs: Federica Biello, Alessandra Gennari
- The current and future role of PARP-inhibitors in breast, gynecological and prostate cancer **Laura Cortesi**
 - New treatment options in lung cancer **Francesco Passiglia**
 - Innovative drugs and new biomarkers in Colorectal Cancer
Federica Morano
- Discussion*
- 18.20 *Chairs: Luca Boni, Paolo Bruzzi*
Innovative drugs & conventional trial design methodology
PRO: **Paolo Bruzzi**
AGAINST: **Luca Boni**
- 19.00 Closing of the day

Thursday, September 05

09.00 **Traslational Oncology I**

Chairs: **Ciro Isidoro, Antonio Sica**

- Triple negative breast cancer subtyping and precision oncology **Giovanna Chiorino**
- Bioengineering, Organoids and Tissue Fragments at the forefront of Personalized Oncology **Salvatore Piscuoglio**
- The potential of correlative light-electron microscopy to study diseases in organoids **Edoardo D'Imprima**
- TBD **Maurizio D'Incalci**

Discussion

11.00 **Coffee break**

11.20 **Traslational Oncology II**

Chairs: **Annalisa Chiocchetti, Antonio Sica**

- PD-1 receptor outside the main paradigm: tumor-intrinsic role and clinical implications for checkpoint inhibitors **Dario Sangiolo**
- The mechanics of cancer **Stefano Piccolo**
- Molecular determinants of response to immunotherapy **Paolo Vigneri**

Discussion

12.20 *Three selected abstracts presentation by young researchers*

Chairs: **Marcello Manfredi, Chiara Porta**

13.00 **Lunch**

14.00 **Genes and Lifestyle: Food, Nutraceuticals and Dietary Supplementation**

Chairs: **Pierfranco Conte, Sandra D'Alfonso**

- Genomic Risk, Target Agents and Lifestyle **Bernardo Bonanni**
- Overweight, Metabolic Syndrome and Cancer: is there a role for GLP-1 agonists? **Paolo Marzullo**
- Iron metabolism in cancer **Domenico Girelli**
- Fasting-Mimicking diet and cancer metabolism **Claudio Vernieri**

Discussion

16.00 **Coffee break**



16.30 New Drugs and Targets II

Chairs: **Benedetta Conte, Ketta Lorusso**

- Genomic signatures and molecular predictors of response and prognosis **Benedetta Conte**
 - Innovative drugs and new biomarkers in Gynecological Cancers **Ketta Lorusso**
 - Innovative Drugs and new biomarkers in Melanoma **Michele Del Vecchio**
- Discussion*

18.20 Three selected abstracts presentation by young researchers

Chairs: **Federica Biello, Veronica Martini**

18.50 Closing of the day

Friday, September 06

09.00 Innovative Strategies to cure cancer

Chairs: **Gianluca Baldanzi, Antonia Follenzi**

- Exploiting immune surveillance to target colorectal cancer evolution **Alberto Bardelli**
 - In vivo macrophage engineering for cancer immunotherapy **Mario Squadrito**
 - Colorectal cancer genomic medicine: from human tumors to preclinical models, and back **Enzo Medico**
 - Molecular and spatial control of macrophages in cancer **Renato Ostuni**
- Discussion*

10.30 Coffee break

10.50 Cellular and Molecular determinants of response

Chairs: **Alessandra Gennari, David Pinato**

- New predictive assays of response **Michele Milella**
 - Precision medicine in colorectal cancer: Challenges and opportunities **TBA**
 - New approaches in HCC **David Pinato**
- Discussion*

12.30 Three selected abstracts presentation by young researchers

Chairs: **Mario Pirozzi, Ida Tagliatela**

13.00 Lunch

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14.00 Tumor virology

Chairs: **Marisa Gariglio, Cristina Rigamonti**

- HCV: from replicon to a cure **Mirko Cortese**
- Novel biomarkers in HCV-related liver diseases **Maria Lina Tornesello**
- *The epigenetic landscape in virus-induced head and neck cancers*
Susanna Chiocca

Discussion

16.00 Coffee break

- 16.20** • Imaging bimolecular condensates at meso and nanoscale **Ranieri Bizzarri**
• Arboviruses of pandemic potential **Mauro Pistello**

Discussion

18.00 Three selected abstracts presentation by young researchers

Chairs: **Cinzia Borgogna, Marco De Andrea**

18.30 Closing of the day

Saturday, September 07

09.00 Translational insight and treatment options

Chair: **Antonio Sica**

- Artificial intelligence for predictive biomarker discovery in immuno-oncology
Arsela Prelaj
- Translational Insights and new treatment options in rare cancers **Giovanni Grignani**

Discussion

10.30 Coffee break

11.00 Closing Lecture

Chairs: **Marisa Gariglio, Alessandra Gennari**

Innovative drugs in the future of oncology **Giampaolo Bianchini**

Best young researcher abstract award and presentation

12.30 Conclusions and Adjournment

Antonia Follenzi, Marisa Gariglio, Alessandra Gennari, Antonio Sica



INVITED FACULTY

Gianluca **Aimaretti** *Novara*
Giancarlo **Avanzi** *Novara*
Gianluca **Baldanzi** *Novara*
Alberto **Bardelli** *Torino*
Giampaolo **Bianchini** *Milano*
Federica **Biello** *Novara*
Ranieri **Bizzarri** *Pisa*
Renzo **Boldorini** *Novara*
Bernardo **Bonanni** *Milano*
Luca **Boni** *Genova*
Cinzia **Borgogna** *Novara*
Paolo **Bruzzi** *Savona*
Susanna **Chiocca** *Milano*
Annalisa **Chiocchetti** *Novara*
Giovanna **Chiorino** *Biella*
Benedetta **Conte** *Novara*
Pierfranco **Conte** *Padova*
Mirko **Cortese** *Napoli*
Laura **Cortesi** *Modena*
Sandra **D'Alfonso** *Novara*
Edoardo **D'Imprima** *Milano*
Marco **De Andrea** *Torino*
Michele **Del Vecchio** *Milano*
Massimo **Dominici** *Ferrara*
Antonia **Follenzi** *Novara*
Nicola **Fusco** *Milano*
Gianluca **Gaidano** *Novara*
Marisa **Gariglio** *Novara*
Alessandra **Gennari** *Novara*
Giovanni **Germano** *Torino*
Domenico **Girelli** *Verona*

Giovanni **Grignani** *Torino*
Valentina **Guarneri** *Padova*
Ciro **Isidoro** *Novara*
Ketta **Lorusso** *Milano*
Marcello **Manfredi** *Novara*
Veronica **Martini** *Novara*
Paolo **Marzullo** *Novara*
Enzo **Medico** *Torino*
Michele **Milella** *Verona*
Federica **Morano** *Milano*
Renato **Ostuni** *Milano*
Francesco **Passiglia** *Orbassano*
Stefano **Piccolo** *Padova*
David **Pinato** *Novara*
Mario **Pirozzi** *Novara*
Salvatore **Piscuoglio** *Milano*
Mauro **Pistello** *Pisa*
Chiara **Porta** *Novara*
Arsela **Prelaj** *Milano*
Cristina **Rigamonti** *Novara*
Eliana **Ruggiero** *Milano*
Dario **Sangiolo** *Candiolo*
Carollen **Schröder** *Groningen*
Antonio **Sica** *Novara*
Mario **Squadrito** *Milano*
Ida **Tagliatalata** *Novara*
Maria Lina **Tornesello** *Napoli*
Claudio **Vernieri** *Milano*
Paolo **Vigneri** *Catania*
Alberto **Zambeli** *Milano*

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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 and AIOM members

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 19, 2024 Abstract submission deadline

Aug 30, 2024 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-**423383**) **23** CME points.

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

**Organizing Secretariat and
CME Provider**

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