

International Summer School on Immuno-Oncology 2022 – 2nd edition

**Villa San Remigio – Pallanza (Verbania)
14 – 17th September 2022**

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

Chair: *Gian Carlo Avanzi, Antonio Sica*

15.00 Immunotherapy in the clinic

Chair: *Alessandra Gennari, Pierfranco Conte*

- Innovative IO in solid tumors: what's next? *Giuseppe Curigliano*
- IO & Lung cancer *Silvia Novello*

16.00 Coffee break

16.20

- 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*

18.00 Discussion



Sistema Qualità **ISO 9001**
Progettazione e Erogazione ECM

Thursday September 15

09.00 Immune components of TME

Chairs: *Annalisa Chiocchetti, Antonio Sica*

- TAMs ad TME *Paola Allavena*
- Plasticity of Neutrophils in cancer *Sebastian Jaillon*
- Human T cells engineered with a leukemia lipid-specific TCR enables donor-unrestricted recognition of CD1c-expressing leukemia. *Giulia Casorati*

Discussion

11.00 Coffee Break

11.20 -Abstract young researcher

12.30 Lecture: TBD

12.45 Lunch

14.00 Therapeutic remodeling of TME

Chairs: *Lia Rimondini, Umberto Dianzani*

- Tumor stroma: fibroblasti, cellule stromali mesenchimali, osteoblasti e condrociti e la matrice extracellulare

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*

16.00 Abstract young researcher



Sistema Qualità **ISO 9001**
Progettazione e Erogazione ECM

Friday September 16

09.00 New approaches for T-cell immunotherapy

Chairs: *Antonia Follenzi, Chiara Bonini*

- CAR-redirected 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, Claudio Santoro*

- The role of cancer stem cells in drug resistance and recurrence
Massimo Dominici
- Immunophenotyping and treatment outcome in melanoma patients
Mario Mandalà

12.00? -Abstract young researcher

13.00 Lunch

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

Discussion

16.30 Coffee Break

-Abstract young researcher



Sistema Qualità **ISO 9001**
Progettazione e Erogazione ECM

Saturday September 17

09.00

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 Coffee Break

10.50 Closing Lecture

Chairs: *Renzo Boldorini, Marco Krengli*

IO Predictors of response from bench to bedside *Giuseppe Viale*

11.30

Premiazione Best abstract giovani e presentazione

Best young researcher abstract award and presentation

12.30 Conclusions and Adjournment:

Antonia Follenzi, Marisa Gariglio, Alessandra Gennari, Antonio Sica

13.00 Lunch

Il Corso è rivolto a 40 partecipanti:

Medici chirurghi specialisti in Oncologia, Immunologia e Allergologia clinica, Ematologia, Microbiologia e Virologia, Radioterapia, Biologi, Farmacisti

Relatori e Moderatori invitati:

| | | |
|------------|--------------------|---------------|
| Paola | Allavena | Milano |
| Gian Carlo | Avanzi | Novara |
| Renzo | Boldorini | Novara |
| Chiara | Bonini | Milano |
| Mauro | Botta | Novara |
| Pierluigi | Canonico | Novara |
| Giulia | Casorati | Milano |
| Annalisa | Chiocchetti | Novara |
| Mario | Colombo | Milano |
| Pierfranco | Conte | Padova |



Sistema Qualità **ISO 9001**
Progettazione e Erogazione ECM

| | | |
|------------|-------------------|--------------------|
| Giuseppe | Curigliano | Milano |
| Marco | De Andrea | Torino |
| Umberto | Dianzani | Novara |
| Massimo | Di Maio | Torino |
| Massimo | Dominici | Modena |
| Andrea | Filippi | Pavia |
| Antonia | Follenzi | Novara |
| Gianluca | Gaidano | Novara |
| Cecilia | Garlanda | Milano |
| Marisa | Gariglio | Novara |
| Alessandra | Gennari | Novara |
| Valentina | Guarneri | Padova |
| Ciro | Isidoro | Novara |
| Sebastian | Jaillon | Milano |
| Claus | Jorgensen | Manchester |
| Marco | Ladetto | Alessandria |
| Claudio | Luchinat | Firenze |
| Marco | Krengli | Novara |
| Nicasio | Mancini | Milano |
| Mario | Mandalà | Perugia |
| Silvia | Novello | Torino |
| David | Pinato | Novara |
| Mauro | Pistello | Pisa |
| Camillo | Porta | Bari |
| Lia | Rimondini | Novara |
| Dario | Sangiolo | Candiolo |
| Claudio | Santoro | Novara |
| Antonio | Sica | Novara |
| Giuseppe | Viale | Milano |
| Santiago | Zelanay | Manchester |



Sistema Qualità **ISO 9001**
Progettazione e Erogazione ECM