

SCIENTIFIC PROGRAM

# XX NIBIT ANNUAL MEETING

Translating knowledge into the clinic

Padova, October 13-15, 2022



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# UNDER THE AUSPICES



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12.00	<b>REGISTRATION OPENS</b>
13.00	<b>WELCOME ADDRESSES</b>
<b>SESSION 1. INTEGRATING OMICS IN THE PRACTICE OF DIAGNOSTIC PATHOLOGY (NIBIT-SIAPEC JOINT SESSION)</b> DISCUSSANTS: ANTONIO ROSATO, CLAUDIO TRIPODO	
13.15	<b>EDUCATIONAL: Tales tissue can tell</b> Claudio Tripodo (Palermo, Italy)
13.40	<b>The virtual molecular tumor board as a tool for integrating omics in the delivery of precision oncology</b> Carlo B. Bifulco (Oregon City, USA)
14.05	<b>Spatial transcriptomics reveals the impact of B cells and antibodies in response to immunotherapy</b> Wolf-Herman Fridman (Paris, France)
14.30	<b>Liquid Biopsy in Solid Tumors</b> Umberto Malapelle, (Napoli, Italy)
<b>Selected oral presentations</b>	
14.55	<b>Gene expression profiling (GEP) and tumor immune microenvironment analysis of extensive small-cell lung cancer (eSCLC) patients receiving first-line platinum-etoposide plus atezolizumab (PEA)</b> Anna Tosi (Istituto Oncologico Veneto – Padova, Italy)
15.05	<b>Integrated Stress Response regulates the Triple-negative Breast Cancer cells-macrophages interplay</b> Martina Crippa (IRCCS Ospedale San Raffaele – Milano, Italy)
15.15	<b>Adenoviral based-vaccine promotes neoantigen specific CD8+T Cell stemness and tumor rejection</b> Luigia Pace (Italian Institute for Genomic Medicine – Candiolo   TO, Italy)
15.25	<b>NEWS FROM THE COMPANIES (NON-CME)</b>
15.40-16.00	<b>COFFEE BREAK</b>

# THURSDAY, OCTOBER 13

AULA MAGNA – UNIVERSITÀ DEGLI STUDI DI PADOVA

## SESSION 2. ADVANCES IN PERSONALIZED MEDICINE (NIBIT-ACC JOINT SESSION)

DISCUSSANTS: VINCENZO BRONTE, RUGGERO DE MARIA, PAOLA NISTICÒ

16.00	<b>Exploiting immune surveillance to target colorectal cancer evolution and mutability</b> Alberto Bardelli (Torino, Italy)
16.25	<b>Single-cell profiling the tumor microenvironment during checkpoint immunotherapy</b> Dieter Lambrechts (Leuven, Belgium)
16.50	<b>Immunopeptidomics for development of personalized cancer immunotherapy</b> Michal Bassani-Sternberg, (Lausanne, Switzerland)
17.15	<b>Expanding the immunotherapy toolbox for the treatment of colorectal cancers</b> Noel de Miranda (Leiden, The Netherlands)

### Selected oral presentations

17.40	<b>Dissection of Melanoma-Microenvironment Interactions during Tumour Progression</b> Giulia Lovati (Istituto Europeo di Oncologia IEO – Milano, Italy)
17.50	<b>The intratumoral administration of poly(I:C) and resiquimod triggers effective antitumoral response in murine models of pancreatic adenocarcinoma (PDAC)</b> Aldo Ummarino (Humanitas University - Rozzano   MI, Italy)
18.00	<b>NEWS FROM THE COMPANIES (NON-CME)</b>

### GIORGIO PARMIANI YOUNG INVESTIGATOR KEYNOTE LECTURE

CHAIRMAN: VINCENZO RUSSO

18.10	<b>Leukemia immune escape after hematopoietic cell transplantation: from biology to precision medicine</b> Luca Aldo Edoardo Vago (Milano, Italy)
18.50	<b>NIBIT GENERAL ASSEMBLY</b>

**WELCOME WINE & CHEESE AT CAFFÈ PEDROCCHI**

09.30	<b>WELCOME COFFEE</b>
<b>SESSION 3. CANCER DORMANCY, METABOLISM AND METASTASIS (NIBIT-SIC JOINT SESSION)</b> DISCUSSANTS: PAOLA ALLAVENA, MATTEO BELLONE	
10.00	<b>EDUCATIONAL: Tumor metabolic deregulation and tumor progression: a diabolic liaison</b> Paola Chiarugi (Firenze, Italy)
10.25	<b>Immunity in context: tissue-specific innate immune barriers to metastasis</b> Ana Luisa Correia (Lisbon, Portugal)
10.50	<b>Immunomodulation by life style changes in cancer clinical setting</b> Licia Rivoltini (Milano, Italy)
11.15	<b>Mitochondrial dynamics guides T cell anti-tumor responses</b> Ping-Chih Ho (Lausanne, Switzerland)
<b>Selected oral presentations</b>	
11.40	<b>ZBfBIB regulates tumor metabolism and microglia recruitment and activation in glioblastoma</b> Maria S. Carro (University Medical Center Freiburg – Freiburg, Germany)
11.50	<b>EphB6 Regulates TFEB-Lysosomal Pathway and Survival of Disseminated Indolent Breast Cancer Cells</b> Marco Montagner (Università degli Studi di Padova – Padova, Italy)
12.00	<b>Stearoyl-coenzyme A desaturase 1 promotes regulatory T cells expansion in hepatocellular carcinoma</b> Silvia Piconese (Sapienza Università di Roma – Roma, Italy)
12.10	<b>NEWS FROM THE COMPANIES (NON-CME)</b>
12.20-14.20	<b>LUNCH &amp; POSTER WALK</b>

## ORTO BOTANICO

### SESSION 4. THE TUMOR MICROENVIRONMENT: TUMOR CELLS EXTRINSIC TARGETS AND RESISTANCE (NIBIT- SIICA JOINT SESSION)

DISCUSSANTS: MARCO A. CASSATELLA, ANTONIO SICA

14.20	<b>EDUCATIONAL: Tumour-associated myeloid cells: The Good, the Bad and the Ugly!</b> Toby Lawrence (London, UK)
14.45	<b>Cell plasticity in colorectal cancer</b> Florian Greten (Frankfurt, Germany)
15.10	<b>Mechano-metabolic control of chemotherapy resistance in dormant metastatic breast cancer cells</b> Sirio Dupont (Padova, Italy)
15.35	<b>Engineering enhanced anti-tumor effector functions in iNKT cells</b> Paolo Dellabona (Milano, Italy)
16.00	<b>Immunoregulatory functions of the myeloid MS4A proteins</b> Massimo Locati (Milano, Italy)
16.25	<b>INVITED ABSTRACT: NK cell regulation by TGF-beta and IL-18, "more than a TH1 cytokine"</b> Roberta Castriconi (Genova, Italy)
16.40-17.00	<b>COFFEE BREAK</b>

### Selected oral presentations

17.00	<b>Lipid-associated macrophages are induced by cancer-associated fibroblasts and mediate immune suppression in breast cancer</b> Eleonora Timperi (Institut Curie – Paris, France)
17.10	<b>Cancer specific Type I IFN signaling is regulated by hMENA splicing, affects macrophage polarization and participates at resistance to immune checkpoint blockade</b> Annalisa Tocci (IRCCS Istituto Nazionale Tumori Regina Elena – Roma, Italy)

### PEZCOLLER KEYNOTE LECTURE

CHAIRMAN: MARIO PAOLO COLOMBO

17.20	<b>The Pezcoller Foundation</b> Enzo Galligioni (Trento, Italy)
17.30	<b>Mechanism and therapeutic targeting of the immunosuppressive tumor microenvironment</b> Douglas Hanahan (Lausanne, Switzerland)
18.20	<b>ADJOURN</b>
20.00	<b>SOCIAL DINNER</b>



**SESSION 5. ADOPTIVE T CELL-BASED IMMUNOTHERAPY**

DISCUSSANTS: GIULIA CASORATI, ANNA MONDINO, CATHERINE SAUTÈS-FRIDMAN

08.30	<b>EDUCATIONAL: Achievements and hurdles of TCR/CAR-T cell therapy</b> Concetta Quintarelli (Roma, Italy)
08.55	<b>RASA2 checkpoint ablation in human T cells boosts antigen sensitivity and long-term function</b> Eric Shifrut (Tel Aviv, Israel)
09.20	<b>Targeting glycosylation to improve CAR-T cell reactivity</b> Monica Casucci (Milano, Italy)
09.45	<b>Engineering multi-targeting and costimulation to safely enhance CAR T cell activation</b> Maria Themeli (Amsterdam, The Netherlands)

**Selected oral presentations**

10.10	<b>Extracellular matrix (ECM)-targeted PSMA-CAR T cell therapy: a next-generation approach to treat Prostate Cancer</b> Giulia D'Accordio (Università degli Studi di Padova – Padova, Italy)
10.20	<b>IL3-zetakine combined with a CD33 costimulatory receptor as a Dual CAR approach for safer and selective targeting of Acute Myeloid Leukemia</b> Sarah Tettamanti (Tettamanti Research Centre – Monza, Italy)
10.30	<b>Interrupting the nitrosative stress fuels tumor-specific cytotoxic T lymphocytes in pancreatic cancer</b> Francesco De Sanctis (Università degli Studi di Verona – Verona, Italy)
10.40-11.00	<b>COFFEE BREAK</b>

## ORTO BOTANICO

### SESSION 6. TRANSLATING BASIC SCIENCE INTO THE CLINIC (NIBIT-AIOM JOINT SESSION)

DISCUSSANTS: PAOLO ASCIERTO, SAVERIO CINIERI, PIER FRANCESCO FERRUCCI

11.00	<b>EDUCATIONAL: Immunotherapy in Early Breast Cancer</b> Giuseppe Curigliano (Milano, Italy)
11.25	<b>The role of immunotherapy in triple negative breast cancer</b> Pierfranco Conte (Padova, Italy)
11.50	<b>Applications of third-generation sequencing in translational oncology</b> Pier Giuseppe Pelicci (Milano, Italy)
12.15	<b>Learning from the human microbiome how to implement immune oncology</b> Luigi Nezi (Milano, Italy)
12.40	<b>INVITED ABSTRACT: Reprogramming tumor-altered myeloid compartment with novel nanoparticles: results from a “Windows of Opportunity” trial in patients with breast cancer</b> Circe Mesa (San Cristobal de La Habana, Cuba)

### Selected oral presentations

12.55	<b>Modulation of the gut microbiota potentiates immune checkpoint blockade in multiple myeloma by restraining expansion of pro-tumoral Th17 cells</b> Laura Lucia Cogrossi (IRCCS Ospedale San Raffaele – Milano, Italy)
13.05	<b>A chimeric human/dog vaccination strategy to induce CSPG4-targeted immunity in dogs with oral melanoma: a veterinary trial for translational medicine</b> Federica Riccardo (Università degli Studi di Torino – Torino, Italy)
13.15-13.45	<b>NIBIT AWARDS</b>
13.45	<b>CONCLUSION REMARKS, SNACK LUNCH AND ADJOURN</b>

## VENUE

### OCTOBER 13, 2022

**Università degli Studi di Padova**

Palazzo Bo  
Via 8 Febbraio, 2  
35122 Padova

### OCTOBER 14-15, 2022

**Orto botanico**

Università degli Studi di Padova  
Via Orto Botanico, 15  
35123 Padova

## REGISTRATION FEES

Participant OVER 35	€ 200,00 VAT included
Participant UNDER 35	€ 100,00 VAT included
Post – Doc	€ 100,00 VAT included
PhD Student	€ 100,00 VAT included
Resident	€ 100,00 VAT included
Undergraduate Student	free of charge

## C.M.E. ACCREDITATION

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The Congress was granted **15 C.M.E. credits** from the Italian Ministry of Health for the following specialties: **Physicians** specialized in allergology and clinical immunology, pathological anatomy, clinical biochemistry, general surgery, thoracic surgery, palliative care, dermatology and venerology, hematology, general practice medicine, internal medicine, oncology, radiotherapy. **Biologists. Biomedical laboratory technician.**

**Obiettivo formativo:** contenuti tecnico-professionali (conoscenze e competenze) specifici di ciascuna professione, di ciascuna specializzazione e di ciascuna attività ultraspecialistica. malattie rare (18)

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**Achelois - Professional Congress Organiser**

Via Larga 8, Milano

Tel. +39 02 2643 2454 or + 39 02 2643 6227

e-mail: [elena.delboca@achelois.eu](mailto:elena.delboca@achelois.eu) – [linda.isella@achelois.eu](mailto:linda.isella@achelois.eu)

## ACKNOWLEDGEMENTS

