

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	REGISTRATION OPENS
13.00	WELCOME ADDRESSES

SESSION 1. INTEGRATING OMICS IN THE PRACTICE OF DIAGNOSTIC PATHOLOGY (NIBIT-SIAPEC JOINT SESSION)

DISCUSSANTS: ANTONIO ROSATO, CLAUDIO TRIPODO

13.15	EDUCATIONAL: Tales tissue can tell Claudio Tripodo (Palermo, Italy)
13.40	The virtual molecular tumor board as a tool for integrating omics in the delivery of precision oncology Carlo B. Bifulco (Oregon City, USA)
14.05	Spatial transcriptomics reveals the impact of B cells and antibodies in response to immunotherapy Wolf - Herman Fridman (Paris, France)
14.30	Liquid Biopsy in Solid Tumors Umberto Malapelle, (Napoli, Italy)

Oral presentations

14.55	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) Anna Tosi (Istituto Oncologico Veneto – Padova, Italy)
15.05	Integrated Stress Response regulates the Triple-negative Breast Cancer cells-macrophages interplay Martina Crippa (IRCCS Ospedale San Raffaele – Milano, Italy)
15.15	Adenoviral based-vaccine promotes neantigen specific CD8+T Cell stemness and tumor rejection Luigia Pace (Italian Institute for Genomic Medicine – Candiolo TO, Italy)
15.25	NEWS FROM THE COMPANIES (NON-CME)
15.40	End of session 1
15.40-16.00	COFFEE BREAK

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

Oral presentations

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

GIORGIO PARMIANI YOUNG INVESTIGATOR KEYNOTE LECTURE

CHAIRMAN: VINCENZO RUSSO

18.10	Leukemia immune escape after hematopoietic cell transplantation: from biology to precision medicine Luca Aldo Edoardo Vago (Milano, Italy)
18.50	NIBIT GENERAL ASSEMBLY
	End of session WELCOME WINE & CHEESE AT CAFFÈ PEDROCCHI

09.30	WELCOME COFFEE
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**SESSION 3. CANCER DORMANCY, METABOLISM AND METASTASIS
(NIBIT-SIC JOINT SESSION)**

DISCUSSANTS: PAOLA ALLAVENA, MATTEO BELLONE

10.00	EDUCATIONAL: Tumor metabolic deregulation and tumor progression: a diabolic liaison Paola Chiarugi (Firenze, Italy)
10.25	Immunity in context: tissue-specific innate immune barriers to metastasis Ana Luisa Correia (Lisbon, Portugal)
10.50	Immunomodulation by life style changes in cancer clinical setting Licia Rivoltini (Milano, Italy)
11.15	Mitochondrial dynamics guides T cell anti-tumor responses Ping-Chih Ho (Lausanne, Switzerland)

Oral presentations

11.40	ZBfBIB regulates tumor metabolism and microglia recruitment and activation in glioblastoma Maria S. Carro (University Medical Center Freiburg – Freiburg, Germany)
11.50	EphB6 Regulates TFEB-Lysosomal Pathway and Survival of Disseminated Indolent Breast Cancer Cells Marco Montagner (Università degli Studi di Padova – Padova, Italy)
12.00	Stearoyl-coenzyme A desaturase 1 promotes regulatory T cells expansion in hepatocellular carcinoma Silvia Piconese (Sapienza Università di Roma – Roma, Italy)
12.10	NEWS FROM THE COMPANIES (NON-CME)
12.30-14.00	LUNCH & POSTER WALK

ORTO BOTANICO

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

DISCUSSANTS: MARCO A. CASSATELLA, ANTONIO SICA

14.00	EDUCATIONAL: Tumour-associated myeloid cells: The Good, the Bad and the Ugly! Toby Lawrence (London, UK)
14.25	Cell plasticity in colorectal cancer Florian Greten (Frankfurt, Germany)
14.50	Mechano-metabolic control of chemotherapy resistance in dormant metastatic breast cancer cells Sirio Dupont (Padova, Italy)
15.15	Engineering enhanced anti-tumor effector functions in iNKT cells Paolo Dellabona (Milano, Italy)
15.40	Immunoregulatory functions of the myeloid MS4A proteins Massimo Locati (Milano, Italy)
16.05	INVITED ABSTRACT: NK cell regulation by TGF-beta and IL-18, "more than a TH1 cytokine" Roberta Castriconi (Genova, Italy)

Oral presentations

16.20	Lipid-associated macrophages are induced by cancer-associated fibroblasts and mediate immune suppression in breast cancer Eleonora Timperi (Institut Curie – Paris, France)
16.30	Cancer specific Type I IFN signaling is regulated by hMENA splicing, affects macrophage polarization and participates at resistance to immune checkpoint blockade Annalisa Tocci (IRCCS Istituto Nazionale Tumori Regina Elena – Roma, Italy)
16.40-17.00	COFFEE BREAK

PEZCOLLER KEYNOTE LECTURE

CHAIRMAN: MARIO PAOLO COLOMBO

17.00	The Pezcoller Foundation Enzo Galligioni (Trento, Italy)
17.10	Mechanism and therapeutic targeting of the immunosuppressive tumor microenvironment Douglas Hanahan (Lausanne, Switzerland)
18.00	ADJOURN
20.00	SOCIAL DINNER

SESSION 5. ADOPTIVE T CELL-BASED IMMUNOTHERAPY

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

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

Oral presentations

10.40	Extracellular matrix (ECM)-targeted PSMA-CAR T cell therapy: a next-generation approach to treat Prostate Cancer Giulia D'Accordio (Università degli Studi di Padova – Padova, Italy)
10.50	IL3-zetakine combined with a CD33 costimulatory receptor as a Dual CAR approach for safer and selective targeting of Acute Myeloid Leukemia Sarah Tettamanti (Tettamanti Research Centre – Monza, Italy)
11.00	Interrupting the nitrosative stress fuels tumor-specific cytotoxic T lymphocytes in pancreatic cancer Francesco De Sanctis (Università degli Studi di Verona – Verona, Italy)
11.10-11.30	COFFEE BREAK

ORTO BOTANICO

SESSION 6. TRANSLATING BASIC SCIENCE INTO THE CLINIC (NIBIT-AIOM JOINT SESSION) DISCUSSANTS: PAOLO ASCIERTO, SAVERIO CINIERI, PIER FRANCESCO FERRUCCI	
11.30	EDUCATIONAL: Immunotherapy in Early Breast Cancer Giuseppe Curigliano (Milano, Italy)
11.55	The role of immunotherapy in triple negative breast cancer Pierfranco Conte (Padova, Italy)
12.20	Applications of third-generation sequencing in translational oncology Pier Giuseppe Pelicci (Milano, Italy)
12.45	Learning from the human microbiome how to implement immune oncology Luigi Nezi (Milano, Italy)
13.10	INVITED ABSTRACT: Reprogramming tumor-altered myeloid compartment with novel nanoparticles: results from a “Windows of Opportunity” trial in patients with breast cancer Circe Mesa (San Cristobal de La Habana, Cuba)

Oral presentations

13.25	Modulation of the gut microbiota potentiates immune checkpoint blockade in multiple myeloma by restraining expansion of pro-tumoral Th17 cells Laura Lucia Cogrossi (IRCCS Ospedale San Raffaele – Milano, Italy)
13.35	A chimeric human/dog vaccination strategy to induce CSPG4-targeted immunity in dogs with oral melanoma: a veterinary trial for translational medicine Federica Riccardo (Università degli Studi di Torino – Torino, Italy)
13.45	End of Session 6
13.45-14.00	NIBIT AWARDS
14.00	CONCLUSION REMARKS, SNACK LUNCH AND ADJOURN

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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Via Larga 8, Milano

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

e-mail: elena.delboca@achelois.eu – linda.isella@achelois.eu

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