

SERVIZIO SANITARIO REGIONALE
EMILIA-ROMAGNA
Istituto Romagnolo per lo Studio dei Tumori "Dino Amadori"
Istituto di Ricovero e Cura a Carattere Scientifico

ISTITUTO
ROMAGNOLO
PER LO STUDIO
DEI TUMORI
DINO AMADORI

With Patronage of



1ST IMMUNOREPERTOIRE AND BIOLOGICS DEVELOPMENT CONFERENCE HYBRID EVENT

JUNE 18th-19th 2026

IRST IRCCS

"Dino Amadori", Meldola

Scientific Coordinator

Massimiliano Mazza

Scientific Committee

Patricia Borges de Souza

Miriana Ghirelli

Massimiliano Mazza

Lucia Mazzotti

Fabio Nicolini

**Organizing
Secretariat**



FACULTY

- Adejumo Thomas** - Diatech Pharmacogenetics
- Amoriello Roberta** - Università di Firenze, Florence, Italy
- Benati Daniela** - Università di Modena e Reggio Emilia, Modena, Italy
- Bonini Chiara** - Ospedale San Raffaele, Milan, Italy
- Borges de Souza Patricia** - IRST IRCCS "DINO AMADORI", Meldola, Italy
- Bourquard Thomas** - MabSILICO, Tours, France
- Cattaneo Chiara Maria** - IRCCS Istituto Clinico Humanitas, Milan, Italy
- Chenchik Alex** - President and chief scientific officer of Collecta
- Criscuoli Mattia** - Field Application Specialist - Genomics, Bio-Rad Laboratories
- Croce Giancarlo** - Ludwig Institute University of Lausanne, Lausanne, Swiss
- Facciotti Federica** - Università di Milano Bicocca, Milan, Italy
- Ghirelli Miriana** - IRST IRCCS "DINO AMADORI", Meldola, Italy
- Gullà Stefano** - Kling Biotherapeutics, Amsterdam, Netherlands
- Lion Eva** - University of Antwerp, Antwerp, Belgium
- Mazza Massimiliano** - IRST IRCCS "DINO AMADORI", Meldola, Italy
- Mazza Tommaso** - Fondazione Policlinico Universitario A. Gemelli IRCCS, Rome, Italy
- Mazzotti Lucia** - IRST IRCCS "DINO AMADORI", Meldola, Italy
- Medini Duccio** - Fondazione Toscana Life Sciences, Siena, Italy
- Meysman Pieter** - University of Antwerp, Antwerp, Belgium
- Nicolini Fabio** - IRST IRCCS "DINO AMADORI", Meldola, Italy
- Notarbartolo Samuele** - Link Campus University, Novedrate (CO) / Fondazione Ca' Granda Ospedale Maggiore, Milan, Italy
- Pasetto Anna** - Oslo University Hospital, Oslo, Norway
- Poslavsky Stanislav** - MiLaboratories, Bilbao, Spain
- Rinaldi Fabrizio** - Sales Specialist Italy, Western & Cellular Analysis, R&D Systems by Biotechne
- Robins Harlan** - Adaptive Biotechnologies, Seattle, Washington, Stati Uniti
- Rosati Scalchi Elisa** - GSK, Rixensart, Belgium
- Roscilli Giuseppe** - Takis Biotech, Rome, Italy
- Terragna Carolina** - Policlinico Sant'Orsola-Malpighi, Istituto di Ematologia "L.A.Seràgnoli", Bologna, Italy
- Tradori Andrea** - Regional Sales Specialist, Cell Biology, Bio-Rad Laboratories
- Zara Chiara** - Product Manager, Miltenyi Biotec

SCIENTIFIC PROGRAM

DAY 1

13:15 Opening remarks from the organising committee and institutions

Session I: TCR Repertoire and TCR-Based Therapeutics

Chairs:

Federica Facciotti

Lucia Mazzotti

13:30 Opening Session Lecture

Chiara Bonini

Genome editing of T cells for cancer immunotherapy

14:00 **Federica Facciotti**

Off-the-Shelf Therapeutic Potential of Unconventional T Cell Subsets

14:30 **Anna Pasetto**

Finding Needles in the Haystack: Discovery of Neoantigen-Specific TCRs

15:00 **Eva Lion**

Specific TCRs to Target Acute Myeloid Leukemia

15:30 **Coffee Break**

16:00 **Samuele Notarbartolo**

Single-Cell and Clonal Insights into the Molecular Circuits Governing Human Memory CD8⁺ T-Cell Differentiation

16:30 **Alex Chenchik**

Next-Generation Immune Receptor Profiling: Discovering and Tracking Antigen-Driven Clonotypes

17:00 **Daniela Benati**

Advancing TCR Engineering with CRISPR: Non-Viral Approaches for MAGE-A1⁺ Melanoma

17:30 **Chiara Maria Cattaneo**

Paving the way to precision immunoncology: advancing cell therapies for solid tumors

18:15 **Meldola Castle Guided Tour**

20:00 **Conference Dinner**

Participants will gather at the historic Meldola Fortress, offering a unique cultural setting for dinner, informal discussion, and networking.

SCIENTIFIC PROGRAM

DAY 2

08:00 Welcome Coffee

Session II: Bioinformatics and Computational Immunology Chairs

Pieter Meysman

Patricia Borges de Souza

08:30 Opening Session Lecture

Pieter Meysman

Using artificial intelligence to identify health and disease-specific patterns in T-cell receptor repertoires

09:00 Thomas Bourquard

Leveraging AI to decode BCR

Repertoires for Disease-Agnostic
Theranostic Discovery

09:30 Elisa Rosati Scalchi

From Immune Repertoires to Real-World
Applications: TCR-Driven Innovation in
Discovery and Clinical Translation

10:00 Stanislav Poslavsky

Beyond clonal dominance: signatures
of selection in In Vivo and In Vitro
antibody repertoires

10:30 Coffee Break

11:00 Roberta Amoriello

Approaching TCR repertoire diversity in
autoimmunity: from experiment to
computation

11:30 Duccio Medini

A Universal AI Design Framework and
Brokerage Platform for Democratised
Manufacturing of mRNA Therapeutics

12:00 Giancarlo Croce

Swiss Phage Display Enables Machine
Learning Discovery of Cancer Antigen-
Specific TCRs

12:30 Tommaso Mazza

Computational Approaches to
Optimize Immune Receptor Interactions
in Cancer Therapy

13:00 Light Lunch

Sponsor Break Talk session

Chairs

Massimiliano Mazza

Fabio Nicolini

14:00 Sponsor Break Talk BioRad -

Mattia Criscuoli, Andrea Tradori
Methodological Strategies for T-Cell
Analysis in Cancer

14:20 Sponsor Break Talk Diatech -

Thomas Adejumo

Decoding Cellular Function: Next-Gen
Antibody and Immunotherapy through
Real-time Profiling on the Beacon
Discovery

14:40 Sponsor Break Talk Miltenyi

Biotec - Chiara Zara

Sensitive detection and isolation of
HCMV-specific T cells in the context of
stem cell transplantation using MHC
multimers

15:00 Sponsor Break Talk Biotechne -

Fabrizio Rinaldi

Analytical instruments to accelerate
your CGT discoveries

SCIENTIFIC PROGRAM

Session III: BCR Repertoire and Antibody-Based Therapeutics

Chairs

Duccio Medini

Massimiliano Mazza

15:20 Opening Session Lecture

Carolina Terragna

ClonoSEQ: Clinical Applications and Perspectives

15:50 Stefano Gullà

Tumor derived B cells as source of therapeutic antibodies and tumor associated targets

16:20 Coffee Break

16:50 Giuseppe Roscilli

From Antibody Discovery to Engineered Biologics: Translating Immune Recognition into Cancer Therapeutics

17:20 Harlan Robins

Large scale training data for antigen receptor binding and advancement of ML models

17:50 Concluding remarks & conference in numbers

REGISTRATION FOR IN-PERSON PARTICIPATION:
IN-PERSON PARTICIPATION FEE FOR BOTH EVENT DAYS (JUNE 18/19): € 35.00

REGISTRATION FOR ONLINE PARTICIPATION:
REMOTE PARTICIPATION FEE FOR BOTH EVENT DAYS (JUNE 18/19): € 25.00

Transfer to be made to
IBAN:IT22K0306978634100000010031 in
the name of PROEVENTI SRL.

Causal: Event registration "1st IMMUNOPERTOIRE AND BIOLOGICS DEVELOPMENT CONFERENCE".

Please send an accounting copy to:
info@proeventi.it specifying whether the participation will be in person or online.

CALL FOR ABSTRACTS

The best abstracts will be selected by the scientific committee and will receive a special discount for publication in the Research Topic "[New avenues for the development of advanced immunotherapies: capitalizing on studies of the B and T cell receptor repertoire - Volume II,](#)" published by Frontiers in Immunology.

Submit to: <https://forms.gle/65RDuP1IT83JPcea7>

DEADLINE: June 4th

PROMOTED BY

IRST IRCCS MELDOLA "Dino Amadori"
UFFICIO FORMAZIONE:
ufficio.formazione@irst.emr.it

REGISTRATION

1. Download the PROEVENTI APP on your smartphone



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3. Insert the event pin: IMMUNO26

4. You are now on the event page, click on REGISTRATION at the top left

5. Click on SUBSCRIBE HERE

CERTIFICATE OF PARTICIPATION

At the end of the event, you will be able to download the participation certificates directly from PROEVENTI APP in the CME section.

Organizing Secretariat



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insieme a chi cura



Miltenyi Biotec



Promega

The logo for Promega, featuring a stylized black and white circular icon to the left of the word "Promega" in a bold, black, sans-serif font.

TEMA
RICERCA

A graphic element below the TEMA logo consisting of several orange, star-like shapes arranged in a horizontal line.