



# DITID RETREAT 2024

Division of Immunology, Transplantation, and Infectious Diseases

IRCCS San Raffaele Institute, Milan  
**Hotel Centro Paolo VI, Brescia**  
February 1-2, 2024

DITID2024 Retreat Organizing Committee

Alice Bergamini, Rebecca De Lorenzo, Davide Marotta,  
Arianna Pocaterra, Elise Ramia, Rita Sorrentino

Sponsored by



Wi-Fi: TBD

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- 09.30 – 10.00 Opening & registration
- 10.00 – 10.15 Welcome from the DITID directors: *Matteo Iannacone and Daniela Cirillo*
- Session 1 Tumor immunology and immunotherapy**  
Chairs ***Arianna Pocaterra and Chiara Bonini***
- 10.15 – 10.55 Invited Lecture: **Beatrice Bodega (Università degli Studi di Milano)**  
*Title: Transposable Elements dynamics regulate human T cell biology*
- 10.55 – 11.10 CAR-T cells specific for the CDH17 antigen for the treatment of liver metastasis from colorectal cancer  
***Beatrice Greco, Innovative immunotherapy Unit***
- 11.10 – 11.25 Adoptive cell therapy of acute leukemia and non-Hodgkin lymphoma across MHC-barriers by iNKT cells engineered with a CD1c-restricted TCR  
***Michela Consonni, Experimental immunology Unit***
- 11.25 – 11.40 Probiotic commensal uncouples efficacy and toxicity to fully exploit immunotherapy in multiple myeloma  
***Laura Lucia Cogrossi, Cellular immunology Unit***
- 11.40 – 12.10 **Coffee Break (+meet DITID Sponsors and Sponsor Contest)**
- Session 2 DITID translational research: from bench to bedside**  
Chairs ***Monica Casucci and Alice Bergamini***
- 12.10 - 12.25 Prostate-confined radiotherapy empowers TCR/CAR T cells against primary and metastatic prostate adenocarcinoma  
***Filippo Folchini, Lymphocyte activation Unit***
- 12.25 – 12.40 Identification of predictive biomarkers of response to immunotherapy in the NURE-COMBO trial for patients affected by muscle-invasive bladder cancer.  
***Giovanni Pastorino, Cellular immunology Unit***
- 12.40 – 12.55 JC virus-specific T lymphocytes and IL-7 combination therapy for Progressive Multifocal Leukoencephalopathy (PML): preliminary results.  
***Gaia Catalano, Neurovirology Unit***
- 12.55 – 13.10 Gut barrier-microbiota imbalances in patients with type 1 diabetes  
***Vittoria Palmieri, Autoimmune pathogenesis Unit***
- 13.10 – 14.10 **Lunch break**
- 14.10 – 14.30 **Platinum Sponsor Symposium**  
Title: Accelerate discovery with Bio-Rad Antibodies  
***Bio-Rad Laboratories***
- Session 3 Host-pathogen interaction**  
Chairs ***Marco Lorenzoni and Donato Inverso***
- 14.30 – 15.10 *Invited Lecture: Lalita Ramakrishnan – University of Cambridge*  
*Title: Lessons for TB pathogenesis from the zebrafish*

- 15.10 – 15.25 Dissecting the role of IL-17 receptor C and its ligands during the development of *Pseudomonas aeruginosa* chronic airways infection  
*Fabio Saliu, Emerging bacterial pathogens Unit*
- 15.25 – 15.40 HIV-1 persistence in people living with HIV: insight in T and myeloid cells with regulatory function  
*Elena Bruzzesi, Department of Infectious and Tropical Diseases*
- 15.40 – 16.00 **Platinum Sponsor Symposium**  
A complete workflow for target identification and deep-diving into the tumor microenvironment  
*Miltenyi Biotec*
- 16.00 – 16.30 **Coffee Break (+meet DITID Sponsors and Sponsor Contest)**
- 16.30 – 17.30 **Poster Session 1**
- Session 4**  
Chairs **New DITID recruitments**  
*Matteo Iannacone and Daniela Cirillo*
- 17.30 – 18.00 **Donato Inverso – Vascular Biology Unit**  
*Title: Vascular Control of Organ Function*
- 18.00 – 18.30 **Marco De Giovanni – Immune Cell Migration Unit**  
*Title: Decoding Immune Cell Migration and Regionalization in Mucosal Tissues and Cancer*
- 19.30 – 21.00 **Diner**
- 21.00 – TBD **DITID GAMES**

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- 8.30 – 9.15 Opening & registration
- Session 5 Infectious disease**  
Chairs **Marco Ripa and Mirela Kuka**
- 9.15 – 9.55 Invited Lecture: **Davide Corti (VIR Biotechnology)**  
*Title: SVP Antibody Research of Humabs/VIR*
- 9.55 – 10.10 Integrative Analysis of Blood Transcriptomes and Machine Learning Models, Unveiling Potential Biomarkers for Discriminating High-Risk Tuberculosis Infection  
**Maryam Omrani, Emerging bacterial pathogens Unit**
- 10.10 – 10.25 Heparin derivatives and precursors with reduced anticoagulant activity exhibit robust antiviral activity against Zika virus in human neural progenitor cells  
**Isabel Pagani, Viral pathogenesis Unit**
- 10.25 – 10.40 Unraveling the dynamics of HBs-specific B cells in a mouse model of HBV pathogenesis  
**Cristian Beccaria, Dynamics of immune responses Unit**
- 10.40 – 11.20 **Coffee Break (+meet DITID Sponsors and Sponsor Contest)**
- Session 6 Career development, twists and opportunities**  
Chairs **Paolo Dellabona**
- 11.20 - 11.50 Invited Speaker: **Paola Pozzi (Soffinova)**  
*Title: From academia to venture capital: a journey on technology transfer and company creation and growth.*
- 11.50 - 12.20 Invited Speaker: **Filippo Canducci (Entera Pharmaceuticals)**  
*Title TBD*
- 12.20 – 12.40 **Platinum Sponsor Symposium**  
Title: **Novafleur Dyes: Revolutionized Multicolor Spectral Panel Design in Immunology**  
**Thermo Fisher Scientific**
- 12.40 – 14.00 **Lunch**
- Session 7 Inflammation, autoimmunity and transplant**  
Chairs **Matteo Bellone and Paolo Monti**
- 14.00 – 14.40 Invited Speaker: **Daniela Latorre (ETH Zürich)**  
*Title: Dissecting Autoreactive T Cell Immunity in Human Neurological Disorders.*
- 14.40 – 14.55 Invited Speaker: **Elena Tassi (San Raffaele Scientific Institute, Milan OSR)**  
*Immune reconstitution and immunomonitoring after allo-HSCT for hematological malignancies*
- 14.55 – 15.10 Caudovirales may trigger molecular mimicry mechanisms in Crohn's Disease  
**Carmela Errico, Experimental gastroenterology Unit**

- 15.10 – 15.25 Generation of T cell receptor transgenic regulatory T cells for for the restoration of self-tolerance in autoimmune Type 1 diabetes  
**Susanna Cesarano**, *Experimental hematology Unit*
- 15.25 – 15.40 Knock-out of the activating ligand repertoire of human stem cell-derived beta cells avoids chronic allogeneic rejection by NK cells in a diabetic humanized hIL-15 NOG mouse model  
**Gabriel Siracusano**, *Beta-cell biology Unit*
- 15.40 – 16.40 **Poster session 2**
- 16.40 – 17.00 **Divisional Updates**  
*Matteo Iannacone, Daniela Cirillo*
- 17.00 – 17.30 **Closing remarks and awards**