8:45 – 9:10 REGISTRATIONS

9:15 – 9:30 WELCOME
Prof. Sergio Abrignani
Chief Scientific Director INGM

9:30 - 10:30 KEYNOTE LECTURE
Speaker: Grazisa Rossetti, INGM
“Intratumoral CD4 t lymphocytes are enriched in regulatory cells that associate with tumor progression”

10:30 - 10:50 Coffee Break

10:50 - 12:05 SESSION 1 - Molecular immunology
Chairman: Marinos Kallikourdis, Humanitas

De Simone Giorgia
Restoration of intrahepatically-primed T cells by IL-2 requires cross-presentation of hepatocellular antigens by a subpopulation of Kupffer cells.

Calzoni Enrica
F-BAR domain only protein 1 (FCHO1) deficiency is a novel cause of combined immune deficiency in human. Subjects.

Delfanti Gloria
Harnessing INKT cells for dual targeting of cancer cells and tumor-supporting myeloid cells.

Negri Maria Luce
Epigenetic role of LINE1 transposons in defining CD4+ T lymphocytes cell identity in immune maturation.

Mola Silvia
The impact of the histone methyltransferase EZH2 inhibition on tumor associated macrophages accumulation and functional activation in Malignant Pleural Mesothelioma (MPM).
12:05 – 12:20  **Miltenyi sponsored talk**  
Speaker: Claudia Maldini  
*Every cell matters: comprehensive analysis of tissue microenvironment.*

**12:20 - 13:45  LIGHT LUNCH AND POSTER SESSION**

13:45 – 15:15  **SESSION 2 - Cancer, immune diseases and mouse models**  
Chairman: Anna Mondino, Ospedale San Raffaele

- **Fousteri Georgia**  
  *Follicular and conventional regulatory T cells are decreased in spleen and pancreatic lymph nodes of patients with long-standing type 1 diabetes.*

- **Fumagalli Valeria**  
  *Uncovering the Hepatitis B virus (HBV) specific B cell-mediated immune responses in mouse models of HBV pathogenesis.*

- **Di Cosimo Serena**  
  *Metagenes are informative of clinical outcome in HER2 addicted breast cancer patients: an analysis from NeoALTTO.*

- **Diaz Basabe Angelica**  
  *Intestinal and circulating human iNKT cells exert cytotoxic functions against colorectal cancer cells by perforin release.*

- **Rizzello Celeste**  
  *Osteopontin protects from autoimmunity-driven Diffuse Large B cell Lymphoma development*

- **Giamporcaro Gianmaria**  
  *The role of the biological gut barriers in the immunopathogenesis of T1D*

15:15 - 15:35  **Coffee Break**

15:35 – 16:35  **SESSION 3 - Omics approach for immunological questions**  
Chairman: Beatrice Bodega, INGM

- **Scirgolea Caterina**
Defining T cell dysfunctionality in Breast Cancer by single cell analysis: implications for immunotherapy.

Vadalà Rebecca
Tumor infiltrating T lymphocytes are characterized by an aberrant re-expression of LINE-1.

Ricciardi Sara
Translational Control of the Immune Response in Melanoma Development and Progression: Delineating the Translational Program that Impacts T Cell Phenotype and Clinical Outcome

Marotta Davide
Spatiotemporal dynamics of CD8+ T cells within liver tumors.

16:35-16:55 CAREER TALK
Speaker: Beatrice Bodega, INGM

17:00 BEST TALK AND BEST POSTER AWARD CEREMONY

17:10 CONCLUSIVE REMARKS