



## OMICS IN ACTION: TOOLS, TALKS, AND TRANSLATIONAL INSIGHT

Event Program within the 2025 Biotech Week promoted by Assobiotec

Promoted by the Department of Pharmacological and Biomolecular Sciences

September 25, 2025

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**9:00- 9:30 Registration**

**09:30 – 09:45 Welcome & Introduction**

**Laura Calabresi**

*Director of the Department of Pharmacological and Biomolecular Sciences*

**Maurizio Crestani**

*President, Master's Programme of Pharmaceutical Biotechnology*

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**09:45 – 10:15 Keynote Lecture: Omics Technologies in Cancer: Genomics, Epigenomics, and Transcriptomics**

**Serena Ghisletti**

*Associate Professor, Department of Pharmacological and Biomolecular Sciences*

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**10:15 – 10:45 Single-Cell Technologies: Empowering Research with Single-Cell and Spatial Transcriptomics**

**Andra Postu**

*Staff Field Applications Scientist, Clinical Solutions Dept*

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**10:45 – 11:00 Break**

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**11:00 – 11:30 A Multi-Omics Perspective on Histone Regulation: MS- Profiling of the Epigenome Reveals H3K4 Methylation as a Sustainer of Triple-Negative Breast Cancer Phenotypes**

**Tiziana Bonaldi**

*Associate Professor, Department of Oncology and Hematology-Oncology*

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**11:30 – 12:00 From Genome to Function: Protein-Level Insights in Biology**

**Lucia Crippa**

**12:00 – 12:30 Omics Insights into the Mechanisms of Sorafenib Resistance in Liver Cancer**  
**Nico Mitro**

*Full Professor, Department of Pharmacological and Biomolecular Sciences*

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**12:30 – 13:00 Redefining NGS with Constellation mapped read technology**

**Louise Fraser**

*Illumina Associate Director, Scientific Research Assay R&D Dept*

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**13:00 – 13:30 Decoding Cancer Complexity with Genomics**

**Gina De Bonis**

*Illumina Sr Manager Medical Affairs*

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**13:30 – 14:00 Accelerating Omics Discoveries with BioIT & AI: Data Analysis, Infrastructure, and AI-Assisted Interpretation**

**Tom Payne**

*Illumina Sr Bioinformatics Support Scientist*

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**14:00 – 15:30**

**Bites of Science**

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**Venue of the event**

Department of Pharmacological and Biomolecular Sciences, University of Milano, via Balzaretti 9,  
20133 Milano

**How to participate**

Participation is free of charge and registration is required by September 22<sup>nd</sup>, 2025 at the following link:

<https://eventregistration.illumina.com/oykXeK>

**Coordinator and promoter of the Italian Biotech Week**



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