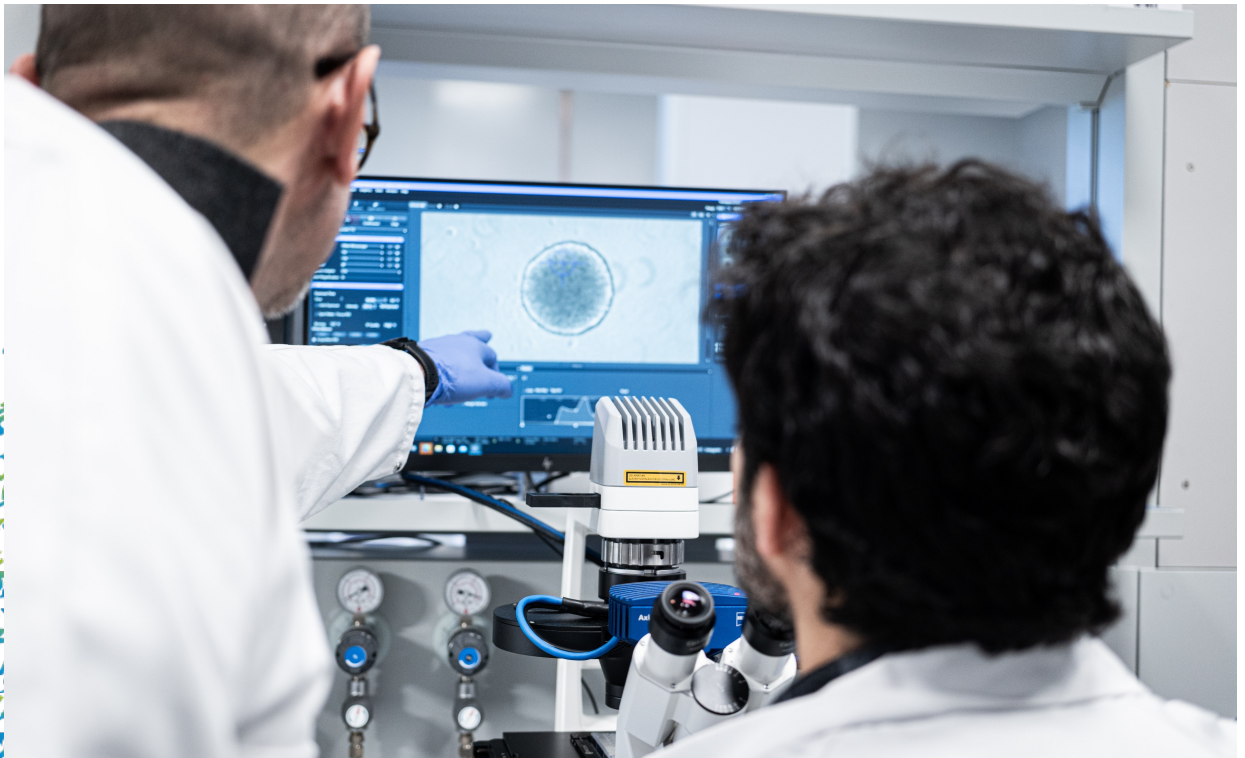


Sharing Science, Building Networks

 **04/05/2026**
H 8:45 - 19:30

 **Human Technopole,
Milan**

National Facility
User Community
Meeting



PROGRAMME

4 May 2026

8.45 - 9.15

Welcome Coffee & Registration

@ HT Auditorium & Covered Piazza

9.15 - 10.00

WELCOME SPEECH AND OPENING REMARKS

@ HT Auditorium

10.00 - 11.15

SESSION 1 - NEUROSCIENCE

@ HT Auditorium

Correlative Light Electron Microscopy (CLEM) based on Near Infrared Branding (NIRB) as a tool for neurodevelopment disorders research

Characterizing TMEM63B: a novel mechanosensitive ion channel coding gene whose mutations cause developmental and epileptic encephalopathy with white matter abnormalities

Mapping developmental disruptions in Huntington's Disease using single-cell technologies

Modeling fatal familial insomnia using iPSC-derived cerebral organoids: impact of access to National Facility infrastructure

Human trigeminal ganglion organoids model sensory development and virus-host interactions

Exogenous FMRP Localization in a Mouse Model for the Fragile X Syndrome

Q&A session

11.15 - 12.00

SESSION 2 - COMPUTATIONAL BIOLOGY

@ HT Auditorium

Time-resolved transcriptomic analysis of regulatory mechanisms driving photosynthetic response to variable light

Establishment of a cell-based platform to identify inhibitors of viral replication organelles formation

Great methods don't help - until they do: the method-to-tool transition at HT and the National Facilities

Q&A session

Gianmario Verona

President, Human Technopole

Marino Zerial

Director, Human Technopole

Chairs: Rico Barsacchi (NF for Light Imaging, Human Technopole); Giacomo Frati (NF for Genome Engineering and Disease Modeling, Human Technopole)

Erica Cannone

University of Milan

Valerio Conti

Meyer Children's Hospital IRCCS

Elena Cattaneo

University of Milan

Eleonora Busani

Mario Negri Institute for Pharmacological Research

Oliver Harschnitz

Neurogenomics Research Centre, Human Technopole

Marianna Pompili

University of Rome Tor Vergata

Chair: Damian Dalle Nogare

(NF for Data Handling and Analysis, Human Technopole)

Claudia Beraldo

University of Padua

Sofia Tiano

Telethon Institute of Genetics and Medicine

Florian Jug, Sheida Rahnamai Kordasiabi, Federico Carrara

Computational Biology Research Center, Human Technopole

**12.00 - 13.30****POSTER SESSION 1 & LUNCH**

@ Covered Piazza

13.30 - 14.30**SESSION 3 - MOLECULAR AND STRUCTURAL BIOLOGY**

@ HT Auditorium

Structural pharmacology of HCN4 pacemaker channels

Illuminating the mechanism of substrate-assisted catalysis of NEDD4 through CRYO-EM and biophysical analysis

Crosslinking mass spectrometry to identify inter-molecular interactions that promote the assembly of plasma membrane-associated networks

Cellular structural biology: a powerful approach to reveal the molecular mechanism of cellular processes

Q&A session

14.30 - 15.30**SESSION 4 - CANCER AND IMMUNOGENOMICS**

@ HT Auditorium

Spatial transcriptomics of tumor microenvironment to unravel the role of dyslipidemic macrophages in promoting disease progression of colorectal cancer patients

Mapping genetic dependencies of drug-resistant cancer cells for the rational design of combinatorial treatments

Single-cell multiome profiling of liver and peripheral immune compartments in pancreatic cancer reveals coordinated transcriptional and epigenetic programs

Tracing Non-Small Cell Lung Cancer Evolution at Single-Cell Resolution

Q&A session

15.30 - 16.30**POSTER SESSION 2 & NETWORKING COFFEE**

@ Covered Piazza

16.30 - 18.00**ROUNDTABLE DISCUSSIONS**

Genomics & Omics Analysis

@ HT Auditorium

Genome Engineering and Disease Modelling

@ 1° floor, room 26 (PIT.P01.026)

Light Imaging & Image Analysis

@ 1° floor, room 11 (PIT.P01.011)

Structural Biology

@ 4° floor, Upper Egg, room 19

18.00 - 18.10**WRAP-UP, POSTER ANNOUNCEMENT & NETWORKING
HAPPY HOUR KICK-OFF**

@ HT Auditorium

18.10 - 19.30**NETWORKING HAPPY HOUR**

@ Covered Piazza

*Chairs: Sebastiano Pasqualato (NF for Structural Biology, Human Technopole);
Andrea Graziadei (NF for Structural Biology,
Human Technopole)*

Anna Moroni

University of Milan

Simona Polo

University of Milan

Ivan de Curtis

Vita-Salute San Raffaele University

Gaia PiginoMolecular Cell Biology Research Centre,
Human Technopole

*Chairs: Francesca Giannese (NF for
Genomics, Human Technopole); Luca Rotta
(NF for Genomics, Human Technopole)*

Marta ZorzaFondazione IRCCS Istituto Nazionale dei
Tumori**Nevenka Radic**

Iorio Group, Human Technopole

Federica Rubbino

IRCCS Humanitas Research Hospital

Daniele Ramazzotti

University of Milano-Bicocca

Eugenio FavaHead of Research Facilities and Services,
Human Technopole