

BIONET-PM

3D DISEASE MODELS: FROM BIOMEDICAL RESEARCH TO PERSONALIZED MEDICINE



THURSDAY, 15 OCTOBER 2026
14:30 – 17:30



AULA MAGNA, PALAZZO BELLINI
Via Solaroli 17, Novara, Italy

An afternoon dedicated to innovative
3D experimental models for disease
research and personalized medicine.



ORGANOIDS

3D
CULTURESCO-CULTURE
SYSTEMS

WHO SHOULD ATTEND?

- Undergraduate and graduate students in biomedical, biological, biotechnological, medical, health and pharmaceutical sciences.
- PhD students, medical residents and research fellows.
- Early-career researchers and professionals interested in biomedical and translational research.

The event will provide an accessible overview of the main 3D models currently available, their applications in disease research and in the development of novel diagnostic and therapeutic approaches, with a particular focus on personalized medicine. It will also offer an opportunity to learn more about the activities developed by the Italian and Swiss partners of the BIONET-PM project and to engage directly with the researchers involved.



SCIENTIFIC ORGANIZERS

Prof. Daniela Capello UPO Biobank and DIMET – UPO

Dr. Annamaria Antona DIMET – UPO

Dr. Marco Varalda DIMET – UPO

Prof. Francesca Orso DIMET – UPO

PROGRAM

- 14:30** **Welcome and Opening Remarks**
Institutional greetings and a brief introduction to the Interreg Italy–Switzerland BIONET-PM project.
- 14:45** **Organoids at the interface of tissue mechanics and disease**
Prof. Giovanni Sorrentino
International Centre for Genetic Engineering and Biotechnology (ICGEB) & University of Trieste
- 15:15** **Engineering hematological malignancies in 3D: From the tumor microenvironment to therapy**
Dr. Cristina Scielzo
IRCCS Ospedale San Raffaele, Milano
- 15:45** **Coffee Break**
- 16:00** **BIONET-PM in Action**
 - Institute of Oncology Research (IOR)**
Secreted factors as mechanisms of resistance to therapies in lymphomas
Prof. Francesco Bertoni
 - Ente Ospedaliero Cantonale (EOC)**
Exploring complexity in 3D in vitro models: biofabricating the microenvironment to investigate tumor interactions
Prof. Matteo Moretti, Dr. Chiara Arrigoni
 - Laboratory for Scientific and Clinical Cell Therapy (LSCC)**
From Research to Innovation: Bridging Science and Applications
Dr. Dario Corica
 - University of Piemonte Orientale (UPO)**
From 3D disease models to therapeutic insights: endometrial and colorectal cancer organoids.
Dr. Annamaria Antona
Deciphering tumor–adipose crosstalk: mesenchymal cells as a model to study cancer–stroma interactions
Dr. Marco Varalda
- 17:00** **Round Table**
What Can a 3D Model Really Predict?
Questions from students, discussion with the speakers, and perspectives on the future of preclinical research and Italy–Switzerland scientific cooperation.
- 17:30** **Closing Remarks**



REGISTRATION FREE – MANDATORY
SCAN TO REGISTER

<https://forms.gle/Bg4fedc3dqKij9sM7>

bionet-pm.dimet@unipo.it

