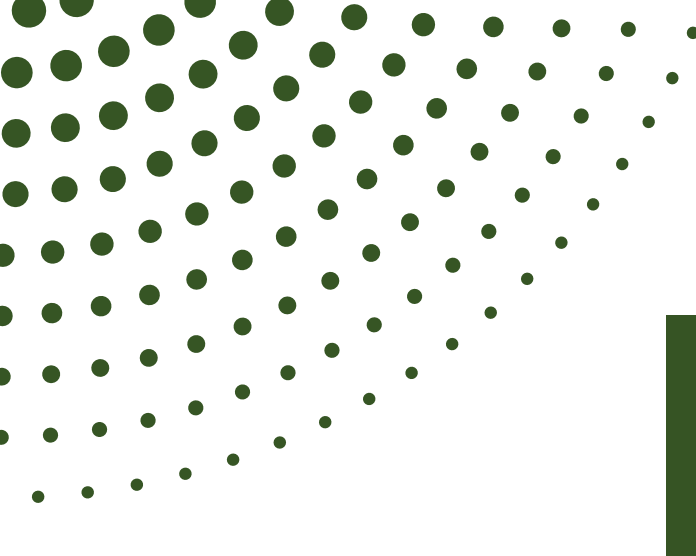




CONFERENCE PROGRAM

WEDNESDAY, 24th JUNE 2026

14:00 - 15:00 Registration

15:00 - 16:30 Introduction and welcome

HEALTH BEYOND EARTH: SPACE MEDICINE AND TECHNOLOGIES

16:30 - 17:00 ASI

17:00 - 17:30 Prof. Emiliano BIASINI - Zeptron space mission
Zeptron II: Automated Microgravity Crystallization for Structural Characterization of Non-Native Protein Targets

17:30 - 18:00 Prof. Carlo Saverio IORIO - Université libre de Bruxelles

18:00 - 18:30 Prof. Alessandro PACCAGNELLA - University of Padua

18:30 - 20:00 WELCOME APERITIF

THURSDAY, 25th JUNE 2026

NEXT-GEN DEVICES: INTEGRATING COMPLEX SYSTEMS

09:30 - 10:00 Dr. Anton HOFMEISTER - ST Microelectronics

10:00 - 10:20 Prof. Danilo DEMARCHI - Politecnico di Torino

10:20 - 10:40 Dr. Oliver VANDERPOORTEEN - Arctic University of Norway
NANOSPACER: A scalable fluidic platform for open-source NTA analysis at single molecule level

10:40 - 11:20 COFFEE BREAK + POSTER SESSION

11:20 - 11:50 Dr. José Louis GARCIA CORDERO - Roche
Leveraging microtechnologies to automate and scale organoid culture

11:50 - 12:10 Dr. Rebeca MARTINEZ VAZQUEZ - CNR IFN
Femtosecond laser processing of a microfluidic device for 3D spheroids development

12:10 - 12:30 Prof. Sanne ABELN - Utrecht University
Learning to understand complex biosystems with AI

12:30 - 14:00 LUNCH BREAK

ADVANCED SENSORS AND FUNCTIONALIZATION

14:00 - 14:30 Prof. Cristophe CAUCHETEUR - University of Mons
Plasmonic Fiber Grating Biosensors: From Concept to Application

14:30 - 14:50 Dr. Silvia ROMANO - CNR ISASI
Bound States in the Continuum in Nanophotonic Metasurfaces for Advanced Biomedical Sensing and Light-Matter Control

14:50 - 15:10 Matteo Agostini - INTA CEO & co-founder

15:10 - 15:50 COFFEE BREAK + POSTER SESSION

15:50 - 16:20 Prof. Sergey PILETSKY - University of Leicester
Abiotic diagnostics based on molecularly imprinted polymers

16:20 - 16:40 Prof. Alessandro PORCHETTA - University of Roma Tor Vergata
Engineering DNA-controlled CRISPR systems for Enzyme Activity Monitoring

16:40 - 17:00 Prof. Fabio DI NARDO - University of Turin
Recent strategies to improve the lateral flow assays: labels, molecular recognition elements, detection, and sequential experimental design

18:30 SOCIAL EVENT AND DINNER

FRIDAY, 26th JUNE 2026

SMART MATERIALS FOR BIOMEDICINE

09:30 - 10:00 Prof. Teresa PELLEGRINO - IIT

10:00 - 10:30 Prof. Silvia GIORDANI - University of Dublin
Advances in Carbon Nano-Onions for Biomedicine

10:30 - 11:10 COFFEE BREAK + POSTER SESSION

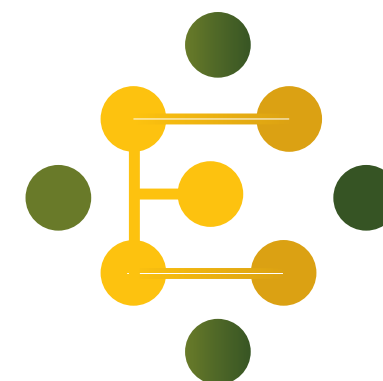
11:10 - 11:40 Prof. Silvia MARCHESAN - University of Trieste

11:40 - 12:00 Prof. Danijela GREGURECH - University of Erlangen
Wireless Multimodal Neuromodulation via Magnetically Actuated Biointerfaces

12:00 - 14:00 LUNCH BREAK

14:00 - 15:00 AWARDS AND CLOSING REMARKS

15:00 - 16:30 CNR - NANOTEC laboratories Tour



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