

GIORNATA DEL DIPARTIMENTO DI BIOTECNOLOGIE E BIOSCENZE

Tuesday, 17 February, 2026, 9:15 am - 5:30 pm, Sironi room (U4-08)

PROGRAM



9.15 – Opening and institutional greetings

Session I - Chairs: **Brambilla Giulia** and **Spandri Giorgia**

9.30 - **Taverna Gabriele**, *Inhibition of the Hexosamine Biosynthetic Pathway Impairs PIKK Maturation and Induces a BRCAness-Like Phenotype in Triple-Negative Breast Cancer.*

9.45 - **Molteni Linda**, *Different Lenses, Same Target: NMR Spectroscopy and Other Biophysical Tools for the Comprehensive Characterization of Prenylflavonoids Anti-Amyloidogenicity.*

10.00 - **Banfi Andrea**, *Harnessing Mirror-Image Peptides: Nanoparticle Vectors for Nucleic Acid Delivery in Cancer Treatment.*

10.15 - **Moukham Hind**, *A natural modulator of the PKA and AMPK signaling regulates lipid metabolism in a steatosis model.*

10.30 / 11.15 - **Coffee Break and POSTER & GRAPHICAL ABSTRACT Session**

Session II - Chairs: **Facciotti Federica** and **Tomaino Giulia**

11.15 - **Maniezzi Claudia**, *Cellular consequences of non-ablative radiotherapy, a novel approach to ventricular tachycardias.*

11.30 - **Ghisleni Giulia**, *The university campus microbiome: ecological drivers of skin–gut–environment microbial interactions.*

11.45 - **KEYNOTE SPEAKER: Matteoli Michela**, Director of the Neuroscience Program at Humanitas Clinical Institute and Full Professor of Pharmacology at Humanitas University. **"How the Immune System Shapes Brain Function"**.

12.45 / 13.30 – **Light lunch and POSTER / GRAPHICAL ABSTRACT Session**

13.30 / 14.30 – **POSTER / GRAPHICAL ABSTRACT Session**

Session III - Chairs: **Innocenti Metello**, **Molteni Linda** and **Pizzelli Beatrice**

14.30 - **Arici Martina**, *HCN4 misregulation affects the early differentiation process of mouse embryonic stem cells.*

14.45 - **Fasano Andrea**, *Electrochemical and computational methods as a combined approach to study redox enzymes.*

15.00 - **Grandi Laura Clara**, *From Cells to Circuits: Ethical Challenges and Opportunities in 3Rs-Aligned Modeling of Sleep Disorders.*

15.15 - **Lapi Francesco**, *Spatial Flux Balance analysis reveals Warburg heterogeneity in renal tumors and lactate-consuming niches in colorectal cancer.*

15.30 - **Eugeni Alessandra**, *How Light-Controlled FUS Aggregation Can Help Model ALS/FTD.*

15.45 - **Celant Anna**, *IL-22BP expression by a specialized cDC2 subset shapes anti-tumor immunity in the colonic microenvironment.*

16.00 - **KEYNOTE SPEAKER: De Matteis Antonella**, Principal Investigator and Program Coordinator, Cell Biology and Disease Mechanisms Program (TIGEM - Telethon Institute of Genetics and Medicine). Full Professor of Biology at the University of Naples "Federico II". **"Inherited disorders of phosphoinositide metabolism: from disease mechanism to therapy"**.

17.00 - Awards Ceremony

17.15 - Sponsors' Award

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