



**Consiglio Nazionale delle Ricerche
ISTITUTO PER LA RICERCA E
L'INNOVAZIONE BIOMEDICA**

Formazione e Innovazione nella Ricerca Biomedica Traslazionale

21 - 23 Ottobre 2026

Area Territoriale di Ricerca di Palermo del CNR - Via Ugo La Malfa 153, Palermo

Comitato Scientifico

Maria Vincenza **Catania**, Maria **Lucibello**, Domenico **Nuzzo**,
Patrizia **Spadafora**, Gennaro **Tartarisco**

Comitato Organizzatore

Alfia **Corsino**, Enrico **Parano**, Alessandro **Pensato**,
Daniela **Riccobono**, Sabrina **Sanzone**

Per info segreteria@irib.cnr.it



GIORNO 1

21 OTTOBRE 2026

14:00 – 14:30 **Registrazione dei partecipanti**

14:30 – 15:00 **Saluti istituzionali e apertura dei lavori**

Prof. Francesco Dotta – Direttore Dipartimento di Scienze Bio-Mediche del CNR

Ing. Maurizio Urso – Presidente Area Territoriale di Ricerca del CNR di Palermo

Prof. Antonio Palumbo Piccionello – Direttore STEBICEF, Università degli Studi di Palermo

Dott. Pasquale Picone – Direttore f.f. Istituto per la Ricerca e l'Innovazione Biomedica

15:00 – 15:30

Lectio magistralis

Prof. Andrea De Gaetano

Modeling the dynamics of mitophagy and autophagy

15:30 – 16:20

L'authorship scientifica sotto la lente

Chair: Dott.ssa Silvia Ruggieri

15:30 - 15:50

Dott.ssa Roberta Martina Zagarella – CNR-CID Ethics

The unwritten rules of publication ethics

15:50 - 16:20

Prof.ssa Silvia Scalzini – Università degli Studi di Parma

Scientific authorship: issues and perspectives

16:20 – 16:45

Coffee break

16:45 – 18:15

Progressione tumorale e resistenza alle terapie

Chair: Dott. Melchiorre Cervello, Dott.ssa Maria Lucibello

16:45 - 17:00

Dott. Ciro Caldiero

Study of tumor microenvironment in pancreatic adenocarcinoma progression through the modulation of neutrophil activity

17:00 - 17:15

Dott.ssa Emanuela Peri

Exploiting the formation of stress granules as therapeutic strategy for hepatocellular carcinoma

17:15 - 17:30

Dott. Daniele Guglielmini

Study of the immune-metabolic axis for the maintenance of the immunosuppressive tumor microenvironment in patients with pancreatic cancer

17:30 - 17:45

Dott.ssa Sabrina Picciotto

Microalgal-Derived Extracellular Vesicles as Engineered Bio-Based Nanocarriers for Drug and siRNA Delivery in Cancer

17:45 - 18:00

Dott.ssa Giovanna Barbieri

Targeting Melanoma Immune Escape and Detection: MHC Class II-Driven Extracellular Vesicle Remodelling and Magneto-Plasmonic Nanoassemblies for Liquid Biopsy Detection

18:00 - 18:15

Dott.ssa Selene Sammataro

Study of the effects of the bisphosphonates on pancreatic cancer cells for potential immunotherapeutic applications

20:30

Social dinner - Palazzo Comitini

[Informazioni utili](#)

GIORNO 2

22 OTTOBRE 2026

09:30 – 11:00

Progettualità @IRIB2023

Chair: Prof. Andrea De Gaetano, Prof.ssa Giuseppa Mudò

09:30 - 09:45

Dott.ssa Elena Lo Presti

Study on oxidative stress machinery to activate immune response against multiple myeloma

09:45 - 10:00

Dott. Walter Arancio

Genome-wide analysis of Chromatin Associated RNAs retained in metaphase chromosomes (Meta-CAR)

10:00 - 10:15

Dott.ssa Monica Salamone

Enhancing Beta Pancreatic Functionality with 4MU for Cell Therapy Applications

10:15 - 10:30

Dott. Gaspare Drago

Modeling trophoblast-macrophage interactions at the maternal-fetal interface

10:30 - 10:45

Dott.ssa Giuseppa Augello

Role of Thioredoxin reductase 1 and NRH:quinone oxidoreductase 2 as potential prognostic and therapeutic targets in breast cancer

10:45 - 11:00

Dott.ssa Giorgia Adamo

DetectEV: a Novel Diagnostic Tool for Cancer Detection Based on the Evaluation of Extracellular Vesicle Bioactivity

11:00 – 12:00

Poster, Networking & Coffee break

Dott. Luigi Citrigno

The Mitochondrial Genome Instability Index (MGII): an integrative biomarker of mitochondrial genetic integrity in human disease

Dott.ssa Simona D'Antoni

Age-dependent changes in metabotropic glutamate receptor expression in synapses and astrocytes in a mouse model of Fragile X Syndrome

Dott.ssa Paola Dell'Albani

Multitarget effects of 3-o-decanoylquercetin in u373-mg human glioma cells

Dott.ssa Valentina La Cognata

An integrative systems biology approach to neurological diseases: from experimental models to precision medicine

Dott.ssa Nadia Lampiasi

Early Molecular Responses of Primary Human Monocytes during the Initial Phase of Acclimatization to Simulated Hypobaric Hypoxia

Dott.ssa Marzia Franzò

Targeting osteosarcoma cell lines with vietnamese ginseng extracts: from bioactive compound to prospective therapeutic approach

Dott.ssa Alessia Li Vigni

Molecular characterization of natural populations of glycyrrhiza glabra l. In sicily within the ambrosia project

Dott.ssa Nicoletta Polerà

Oleacein Modulates the Epigenetically Relevant lncRNA MEG3 in Astrocytic Models of Alzheimer's Disease

Dott.ssa Margherita Stefania Rodolico

Study for Identification of Early Multiorgan Markers in Anderson-Fabry Disease

Dott. Antonio Qualtieri

Cytoprotective effect of Gentiana Lutea L. leaf extract and development of nanostructured delivery systems

Dott.ssa Roberta Russo

Sea urchin as a pilot model for studies on autism spectrum disorder (asd)

Dott.ssa Monica Salamone

4-Methylumbelliferone Modulates β -Cell Function: Implications for Type 1 Diabetes

12:00 – 12:30

Lectio magistralis

Prof. Calogero Caruso - Dipartimento di Biomedicina, Neuroscienze e Diagnostica Avanzata, Università degli Studi di Palermo

A Life Beyond Time: Insights from Italian Semi- and Supercentenarians

12:30 – 13:20

Neurodegenerazione e neurosviluppo: dai meccanismi alle prospettive di cura

Chair: Dott. Domenico Nuzzo, Dott.ssa Patrizia Spadafora

12:30 - 12:45

Dott.ssa Rosalia Maria Cristina Pellitteri

Olfactory Ensheathing Cells: characteristics and their applications

12:45 - 13:00

Dott.ssa Giorgia Serena Gullotta

Metabotropic glutamate receptors modulate senescence-associated response in etoposide-induced human microglia

13:00 - 13:15

Dott.ssa Liliana Ruta

From developmental cascades to precision implementation translational esdm research in the first three years of life

13:15 - 13:30

Dott.ssa Laura Palumbo

Microfluidic Myelin Nanovesicles: A Brain-Targeted Strategy Against Multiple Sclerosis

13:30 – 14:30

Lunch

14:30 – 16:30

Dai circuiti cerebrali ai disturbi del neurosviluppo

Chair: Dott.ssa Maria Vincenza Catania, Ing. Giovanni Pioggia

14:30 - 14:45

Dott.ssa Chiara Failla

Quantitative Characterization of Static Postural Control in Autistic Children Using the Virtual Reality Rehabilitation System: An Exploratory Observational Study

14:45 - 15:00

Dott.ssa Rosa Musotto

Granger Causality Reveals Directed and Spatially Organized Astrocyte Networks

15:00 - 15:15

Dott. Francesco Bedogni

Proliferation, differentiation and neuronal network maturation in the cerebral cortex of mouse models of neurodevelopmental disorders

15:15 - 15:30

Dott.ssa Michela Spatuzza

Cellular response to oxidative stress and senescence in Fragile X syndrome: an explorative in vitro and ex vivo study

15:30 - 15:45

Dott.ssa Gaia Roccaforte

Variability as Phenotype: A Multiscale Neuroengineering Framework for Autism

15:45 - 16:00

Dott.ssa Simona Campisi

From Movement to Mutual Gaze: A Multimodal Computational Approach to Study Adult-Child Interaction

16:00 - 16:15

Dott.ssa Ileana Scarcella

Spatial Kinematic Signatures of Manual Gesture Imitation in Autism Spectrum Disorder: A Video-Based Computer Vision Analysis

16:15 - 16:30

Dott.ssa Silvia Ruggieri

Eating Disorders risk among adolescents: a multidimensional epidemiological approach

16:30 – 17:00

Coffee break

17:00 – 18:15

Immunità e senescenza: nuove prospettive di ricerca

Chair: Dott.ssa Antonella Bongiovanni, Dott.ssa Antonella Cusimano

17:00 - 17:15

Dott. Fabrizio Chiodo

Carbohydrates at the Host-Microbe Interface: From Vaccine-Design to Microbiota-Immune Interactions

17:15 - 17:30

Dott. Gaetano Spinelli

p65 iso5 and its splice variants p65 iso5 Δ6/7 and p65 iso5 Δ10: novel modulators of inflammatory and glucocorticoid responses

17:30 - 17:45

Dott.ssa Giuseppa Biddeci

NF-κB p65 isoforms remodeling reveals a new dimension of Fabry Disease heterogeneity

17:45 - 18:00

Dott.ssa Laura Trombetta

Immunological implications of psychoactive drugs in patients with inflammatory bowel disease

18:00 - 18:15

Dott.ssa Valeria Longo

BDE-47-Exposed Macrophages Induce Indirect Hepatic Responses through Secreted Factors in a HepG2 3D Spheroid Model

20:30

Light dinner

GIORNO 3

23 OTTOBRE 2026

09:30 - 11:30

Presentazione di progettualità di successo e aspetti amministrativi

Chair: Dott.ssa Sara Genovese

09:30 - 09:50

Dott. Giuseppe Magnifico – Ufficio Grant e Infrastrutture di Ricerca CNR

La gestione delle infrastrutture di ricerca del CNR

09:50 - 10:10

Dott.ssa Anna Pelagotti – Liaison Office Bruxelles CNR

Esperienze e prospettive del Liaison Office CNR a Bruxelles

10:10 - 10:25

Dott. Giosuè Zurzolo

Programmazione e progettazione: un approccio win-win

10:25 - 10:45

Dott.ssa Mariacristina Morsellino – Europrogettista

Progettualità e finanziamenti in ambito locale e europeo

10:45 - 11:00

Dott. Fabio D'Elia – Food Hub

Navigare la ricerca con l'AI

11:00 - 11:15

Dott.ssa Antonella Girgenti e Dott.ssa Sabrina Picciotto

Making Connections: una rete di giovani ricercatori per IRIB

11:15 - 11:30

Dott.ssa Rossella Lucà

URT CNR-IRIB di Roma, attività e progettualità

11:30 - 11:45

Coffee break

11:45 - 12:45

Ambiente e Salute

Chair: Dott. Paolo Colombo, Dott.ssa Roberta Russo

11:45 - 12:00

Dott.ssa Ilaria Cosentini

Prenatal environmental exposure: linking the maternal-foetal interface to early-Life development

12:00 - 12:15

Dott.ssa Irene Deidda

Radial glia-like cell populations across the sea urchin life cycle: from development to environmental stress

12:15 - 12:30

Dott.ssa Antonella Girgenti

Nanoplatforms for Innovative Brain Delivery Strategies

12:30 - 12:45

Dott.ssa Francesca Zito

Native pl-nectin from paracentrotus lividus and Recombinant domains as potential tissue bioadhesives

12:45 - 13:15

Direttore f.f. IRIB & Comitato Scientifico

Tavola rotonda, conclusioni e ringraziamenti

13:15

Lunch