Con il patrocinio della
Città Metropolitana di Palermo

CNR IRIB
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**, Pasquale **Picone**, 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
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 oxidoreducatse 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 infiammazione: 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*
18:15 - 21.00	**Poster, Networking & *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***