

## Comitato Scientifico

- Mariamena **Arbitrio**
- Antonio **Cerasa**
- Melchiorre **Cervello**
- Elena **Lo Presti**
- Domenico **Nuzzo**

## Segreteria Organizzativa

- Dario **Baluci**
- Daniela **Riccobono**



## Sponsor



CNR Area della Ricerca di Palermo  
*Aula Cocchiara*

Via Ugo La Malfa, 153

congresso2024@irib.cnr.it

+39.091.680.91.94



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



Università  
degli Studi  
di Palermo



**CNR, Istituzioni  
pubbliche e Università  
a confronto**

Palermo  
25-26 giugno 2024

## 25 giugno

13:30 Lunch

14:30 Registrazione

15:00 Inizio Lavori

**Andrea De Gaetano:** Saluti del Direttore CNR-IRIB

**Sabrina Sanzone:** Presentazione Resoconto  
Amministrazione CNR-IRIB

15:30 Sessione 1

Moderatori: **Giovanni Pioggia, Gennaro Tartarisco**

**Antonio Cerasa**

Modeling outcome trajectories in patients with acquired brain injury using a non-linear dynamic evolution approach

**David Vagni**

Psychophysiological Responses of Science communicators: an ecological study during on-air TV program

**Serana Iacono Isidoro, Gaspere Cusimano, Rosanna Turrisi**

Bridging Facial Mimicry and Emotional Well-being: A Quantitative Analysis of Psychological Outcomes

**Marilina Mastroguseppe**

An open-access reading assessment tool: ROAR (Rapid Online Assessment of Reading) – Italian version

16:30 Coffee break

16:45 Sessione 2

Moderatori: **Enrico Parano, Antonio Cerasa**

**Silvia Ruggeri**

Eating Disorders in Sicilian secondary school students: preliminary results of a cross-sectional study

**Flavia Marino, Gaia Roccaforte**

ARCADIA: Assistance and Rehabilitation of Eating Behavior through Devices Based on Artificial Intelligence and Virtual Reality

**Liliana Ruta, Simona Campisi**

Psychophysiological and Kinematic dynamics during dyadic play interactions in young neurodivergent autistic children

**Ina Campisi**

Understanding the Neurodivergent development of Gestural Communication in Autism: Insights from a Microanalytic Longitudinal Study (DREAM Project)

**Chiara Failla, David Vagni**

Autism, intelligence, language, and adaptive behavior, disentangling a complex relationship

18:00 Chiusura Lavori e visita dell'Istituto

20:30 Social dinner

Palazzo De Gregorio

## 26 giugno

09:30 Tavola rotonda Istituzioni a confronto

Modera: **Andrea De Gaetano**

Dr. **Giovanni Maga**, Direttore del Dipartimento di Scienze Biomediche - CNR

Prof. **Roberto Lagalla**, Sindaco di Palermo

Prof. **Edmondo Tamajo**, Assessore delle Attività Produttive della Regione Siciliana

Prof. **Massimo Midiri**, Rettore Università degli Studi di Palermo

Gen. **Florigio Lista**, Direttore dell'Istituto Scientifico della Difesa

Prof. **Vincenzo Arizza**, Direttore STEBICEF - UniPA

Prof. **Sebastiano Gangemi**, Delegato ai Rapporti con gli Enti di Ricerca - UniME

Prof. **Alessandro Pitruzzella**, Presidente Ordine Biologi Sicilia

10:30 Invited Speakers

**Alessandro Borri, Simona Panunzi** (CNR-IASI)

2014-2024: a short recap of ten years of BioMatLab-IASI - IRIB collaboration

11:00 Coffee break

11:15 Sessione 3

Moderatori: **Elena Lo Presti, Mariamena Arbitrio**

**Gaetano Spinelli**

p65 iso5: a novel regulator in glucocorticoid-mediate anti-inflammatory pathways

**Roberto Giambruno**

Characterization of the RNA and protein interactomes of human pseudouridine synthase 7 (PUS7)

**Rosa Musotto**

Dynamics of intracellular  $Ca^{2+}$  in astrocytes: fluorescence study and computational analysis

**Francesca Cavalcanti**

Mitochondrial copy number in age-related neurodegenerative diseases: preliminary analysis from South Italy late-onset Alzheimer disease patients

**Selene De Benedittis**

Secondary metabolites of wild plants from Pollino National Park (CS), Gentiana lutea L. and Hypericum perforatum L. and their cytoprotective and anti-obesity activity

12:30 Lunch - Presentazione Poster

14:30 Sessione 4

Moderatori: **Paolo Colombo, Domenico Nuzzo**

**Valeria Longo**

Characterization of extracellular vesicle-subtypes cargo derived from THP-1M(LPS) macrophages exposed to BDE- 47

**Francesca Zito**

Osteoclast differentiation and bone remodeling: new biomarkers of the involved pathways and transferability in applied research

**Giovanna Barbieri**

The role in immune escape and cancer progression of extracellular vesicles secreted by MHC class II constitutively expressing melanoma cells

15:15 Sessione 5

Moderatori: **Mariamena Arbitrio, Domenico Nuzzo**

**BECKMAN COULTER, SIAL e SINTAK:** Saluti degli sponsor  
**Noemi Aloï**

Photoaging Effects on Polystyrene Particles: Implications for Macrophage Viability and Functionality

**Sabrina Picciotto, Paola Gargano**

Microalgae-Derived Extracellular Vesicles for Bone and Skin Health

**Antonella Girenti**

Myelin nanovesicles for neurodegenerative diseases

**Radha Santonocito**

Role of gamma-delta T cells in treatment-naïve pancreatic adenocarcinoma patients

16:15 Coffee break

16:30 Sessione 6

*Progetti Bando Interno IRIB@CNR*

Moderatori: **Fabio Cibella, Melchiorre Cervello**

**Elena Lo Presti**

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

**Walter Arancio**

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

**Monica Salamone**

Enhancing Beta Pancreatic Functionality with 4MU for Cell Therapy Applications

**Gaspere Drago**

Developing and validating an in-vitro placental model for human toxicological studies

**Giuseppa Augello, Mariamena Arbitrio**

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

**Giorgia Adamo**

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

17:30 Premiazione "Relazione & Poster Under 40 Biologo"

Premierà il Prof. **Alessandro Pitruzzella**, Presidente dell'Ordine dei Biologi della Sicilia

18:00 Fine Lavori

**Andrea De Gaetano:** Conclusioni del Direttore CNR-IRIB

19:00 Dinner conference

CNR - Area della Ricerca di Palermo