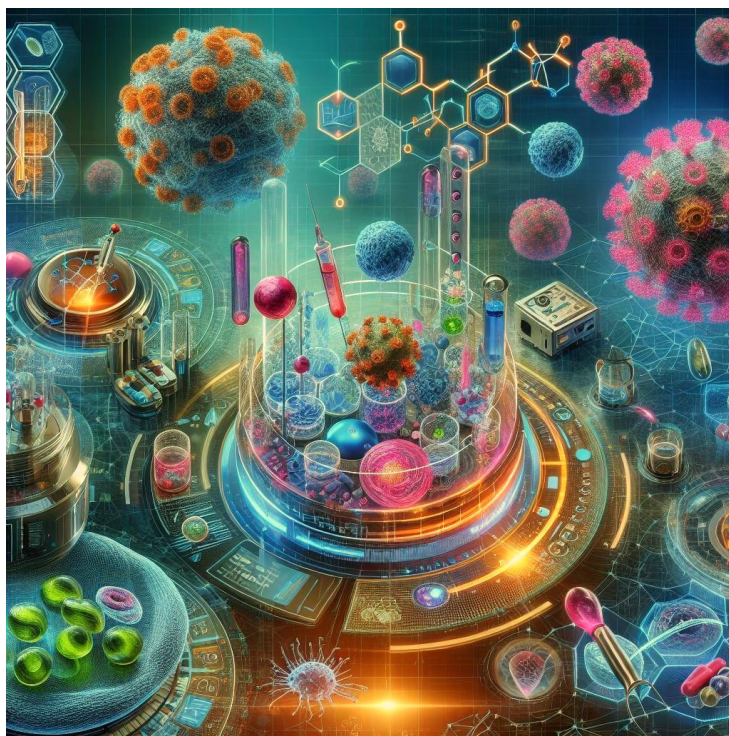




Molecular and cellular mechanisms for innovative diagnostic and therapeutic approaches



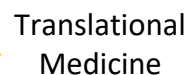
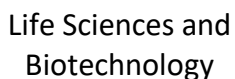
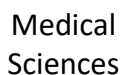
Ferrara, 12th June 2025

Aula Canani, Vecchi Istituti Biologici, via Fossato di Mortara 64^a, Ferrara

Organizing and Scientific Committee:

Dario Balestra, Caterina Boncompagni, Alessio Branchini, Alessia Finotti,
Sonia Missiroli and Anna Pegoraro

in collaboration with the Departments of



Best talks and posters will be awarded
by A-rose ODV and Tutti per Chiara associations

info: yrm@unife.it



3rd Unife Young Researchers Meeting

Molecular and cellular mechanisms for innovative diagnostic and therapeutic approaches

Ferrara, 12th June 2025

Aula Canani, Vecchi Istituti Biologici, via Fossato di Mortara 64a, Ferrara

Department of Medical Sciences, Department of Life Sciences and Biotechnology and Department of Translational Medicine, University of Ferrara, Italy

Agenda	Pre-Meeting activities
8.30 – 9.10	Registration (Aula Canani) and Poster setting up (Chiostro Santa Marie delle Grazie)
9.15 – 9.30	Welcome and Introduction

Agenda 9.30 – 10.30	Oral communications – Session 1 <i>Chairs: Alessio Branchini, Dario Balestra</i>
Pre-clinical Evaluation of GY971, a Novel Anti-inflammatory Orphan Drug Targeting the NF-κB Pathway in Cystic Fibrosis: Addressing Inflammation in the Era of CFTR Modulator Therapy <i>Chiara Tupini</i>	
MyomiRs alteration in Limb Girdle Muscular Dystrophy D2 <i>Maria Teresa Altieri</i>	
Suppression of F8 premature termination codons through Engineered tRNAs: functional and molecular analysis in different in vitro models <i>Alessandro Martucci</i>	
Innovative strategies to correct nonsense and missense mutations: preliminary studies <i>Valentina Barbieri</i>	
Design of an engineered coagulation factor X as a novel by-passing agent for hemophilia <i>Rebecca Tarantino</i>	



Agenda 10.45 – 12.15	Coffee Break and 1st Poster session (<i>Chiostro Santa Maria delle Grazie</i>)
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Agenda 12.30 – 13.20	Oral communications – Session 2 <i>Chairs: Alessia Finotti, Anna Pegoraro</i>
Anti-inflammatory effects of S-1-propenyl-L-cysteine, a major constituent of Aged Garlic Extract: inhibition of proinflammatory mRNA expression in BNT162b2-stimulated human bronchial epithelial IB3-1 cells <i>Federica Di Padua</i>	
The Gut Microbiome as a Diagnostic and Therapeutic Target in Non-Celiac Gluten/Wheat Sensitivity: Microbial and Symptom Responses to a 200-Day Gluten-Free Diet Compared to Celiac Disease and Healthy Controls <i>Anna Costanzini</i>	
Comparison between Capillary and Serum Lactate Levels in Predicting Short-term Mortality of Septic Patients in the Emergency Department <i>Matteo Guarino</i>	
Clinical Efficacy of Probiotics for Allergic Rhinitis: Results of an Exploratory Randomized Controlled Trial <i>Lisa Lungaro</i>	

Agenda 13.30 – 15.00	Lunch and 2nd Poster session (<i>Chiostro Santa Maria delle Grazie</i>)
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Agenda 15.15 – 16.30	Oral communications – Session 3 <i>Chairs: Sonia Missiroti, Caterina Boncompagni</i>
Impact of aging-related lipid dysregulation on T cell apoptosis and immune competence <i>Enrico Tassani</i>	
Sensing Danger: P2X7R as a Key Amplifier of Amyloid-β-Driven Neuroinflammation <i>Selene Schio</i>	
From milk to malignancy: single-cell RNA sequencing comparison between healthy and cancerous development of the breast gland <i>Pietro Ancona</i>	
Diallyl Disulfide in HER2+ Breast Cancer: A Dual Role in Modulating Invasiveness and the AKT/β-Catenin Axis <i>Marcello Dell'Aira</i>	
Evaluation of two novel small molecules to block P2X7 receptor in cancer <i>Ludovica Ricci</i>	
Decoding the role of Ca²⁺ signaling and c-Src in overcoming anoikis and driving metastasis <i>Veronica Angela Maria Vitto</i>	

Agenda	Post-Meeting activities
16.30 – 17.00	<i>Awards and closing</i>