

# 7<sup>th</sup> MEETING

## YOUNG BIOCHEMISTS IN LOMBARDY

22 September 2023

Università degli Studi di Brescia  
Dipartimento di Medicina Molecolare e Traslazionale  
Aula Consiliare, Viale Europa 11, Brescia

### Scientific Program

**09:00-10:30 - Registration**

**10:30-10:45 - Welcome and introduction to FEBS 2024**

**10:45-11:45 - Keynote Lecture**

*Chaired by Stefania Mitola and Elisabetta Grillo*

**Prof. Menico Rizzi**, University of Piemonte Orientale

*The invariantly important elements of modern research activity that can sustain changing roles along an academic career*

**11:45-13:30 - Light lunch and Poster session**

**13:30-14:20 - Session 1**

*Chaired by Magdalena Gryzik and Mattia Domenichini*

- **S01 - Luca Broggin**, IRCCS Policlinico San Donato  
*Nanobodies as novel tools to target cardiac light chain amyloidosis*
- **S02 - Marina Casiraghi**, University of Milan  
*Molecular insights into G-protein specificity and biased agonism at the  $\beta$ 2-adrenergic receptor*



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- **S03 - Greta Bianchi**, University of Milano Bicocca  
*Cheese-whey permeate as an alternative, sustainable inducer for Escherichia coli recombinant protein production*
- **S04 - Giulia Ceravolo**, University of Milan  
*Studies about the antifungal bioactivity and bioavailability of enzymatic-generated peptides from okara*

### 14:20-14:30 - Meet the Sponsor

**Valerio Galbusera, PhD**, Account Manager Discovery Cytiva  
*Purification of Exosomes using core bead technology*

### 14:30-15:20 - Session 2

*Chaired by Chiara Motta and Riccardo Miggiano*

- **S05 - Cristina Volpini**, University of Pavia  
*Anti-CD44 Gold Nanoparticles as innovative targeted photothermal therapy for endometriosis*
- **S06 - Lara Coppi**, University of Milan  
*HDAC3 regulates ferroptosis and adipocyte turnover*
- **S07 - Marianna Genta**, University of Piemonte Orientale  
*Nucleotide Excision Repair in Mycobacterium tuberculosis: a Cryo-EM snapshot of the damage recognition process*
- **S08 - Marco Orlando**, University of Milano Bicocca  
*An in-silico workflow based on deep learning methods for sequence-based screening of enzymes: the case of glycoside hydrolase 3 family*

### 15:20-15:40 - Coffee Break

### 15:40-16:30 - Session 3

*Chaired by Francesca Grassi Scalvini and Marco Mangiagalli*

- **S09 - Marta Alberti**, University of Piemonte Orientale  
*Innovative approach in host and pathogen-directed therapies: Dihydroorotate Dehydrogenase as novel antitubercular target*



- **S10 - Carolina Miguel**, University of Pavia  
*Tailor-made silk fibroin bone marrow niches to guide human hematopoietic stem and progenitor cell functions towards megakaryopoiesis*
- **S11 - Filippo Molinari**, University of Insubria  
*Biotechnological production of cis,cis-muconic acid from renewable lignin-derived feedstock*
- **S12 - Sarita Puri**, University of Milan  
*The Cryo-EM structure of renal amyloid fibrils suggests structurally homogeneous multiorgan aggregation in AL amyloidosis*

#### **16:30-17:20 - Session 4**

Chaired by Erika Zangemi and Federico Stanley

- **S13 - Michele Tiberi**, University of Milan  
*An integrated structural biology approach to unravel the molecular interplay between transcription factors*
- **S14 - Federica Cirillo**, IRCCS Policlinico San Donato  
*Pharmacological activation of the HIF-1 $\alpha$  pathway regulates satellite cells' fate in adult mice through histone lactylation*
- **S15 - Michela Corsini**, University of Brescia  
*ECM of VEGFR2R1032Q mutant melanoma alters mechanotransduction and metabolism in tumor-associated endothelial cells*
- **S16 - Elisa Restivo**, University of Pavia  
*Human monoclonal antibodies anti-staphylococcal collagen adhesin CAN*

#### **17:20-17:30 - Closing meeting and award ceremony**

## Useful information

### Venue

Università degli Studi di Brescia  
Dipartimento di Medicina Molecolare e Traslazionale  
Aula Consiliare, Viale Europa 11, 25123 - Brescia

### Scientific Program Committee

Antonio Chaves, Elisabetta Grillo, Marco Piccoli, Giampiero Pietrocola, Farida Tripodi

### Organizing Committee

Ilaria Canobbio, Paola Coccetti, Paola Corsetto, Louise Gourlay, Stefania Mitola, Elena Rosini

Contact us at [gargnano.biochim@unimi.it](mailto:gargnano.biochim@unimi.it)

### Awards

During the event, 1 Best Oral presentation and 1 Best Poster presentation awards will be assigned. Award recipients will be offered with one-year subscription to the Italian Society of Biochemistry and Molecular Biology.



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