



**26-29
JUNE
2024**

**Università degli Studi
di Pavia
AULA DEL '400**

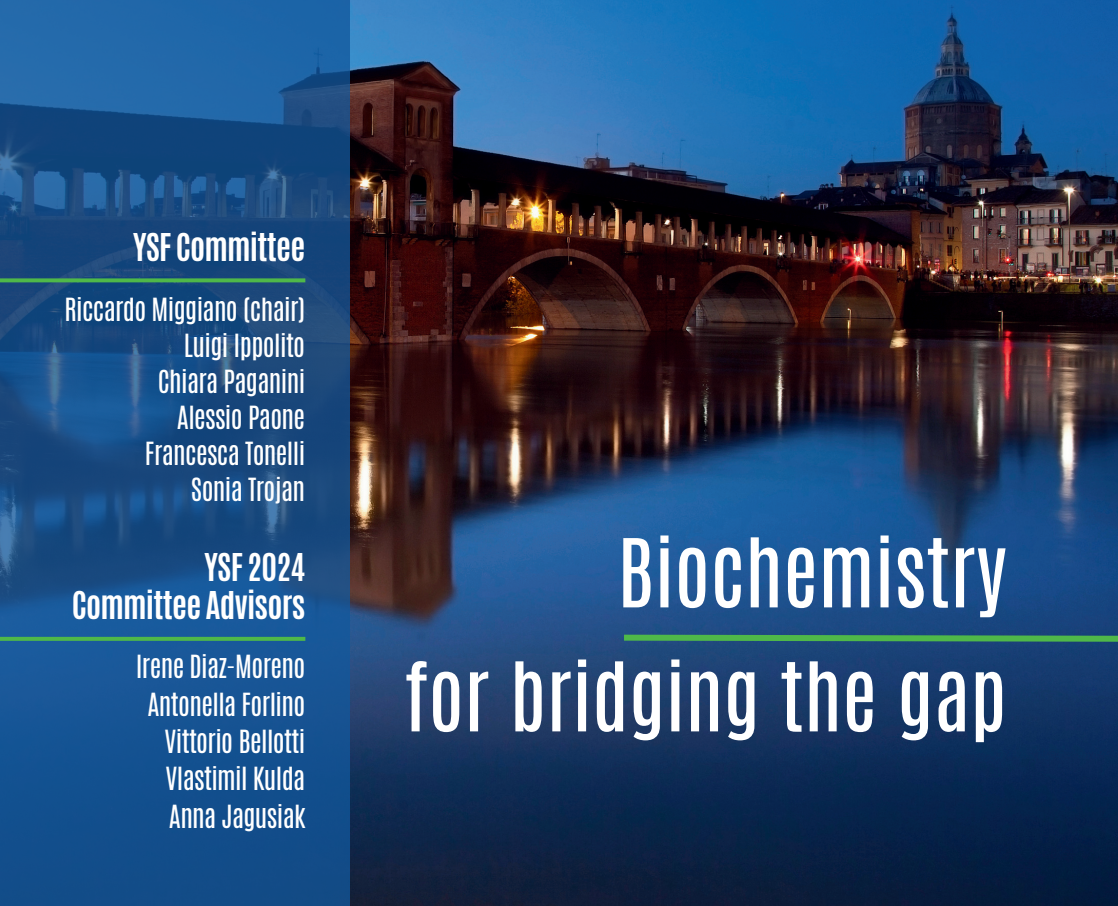
YSF Committee

Riccardo Miggiano (chair)
Luigi Ippolito
Chiara Paganini
Alessio Paone
Francesca Tonelli
Sonia Trojan

YSF 2024 Committee Advisors

Irene Diaz-Moreno
Antonella Forlino
Vittorio Bellotti
Vlastimil Kulda
Anna Jagusiak

**Biochemistry
for bridging the gap**



YSF Welcome

The 23rd FEBS Young Scientists' Forum (YSF 2024)

Dear colleagues and friends,

It is a great pleasure to invite you to submit your application to participate in the YSF 2024 and be one of the outstanding PhD students and young postdocs from around Europe who will be hosted from June 26 to June 29 at the University of Pavia - one of the oldest Italian universities, situated in a beautiful medieval town on the Ticino River in the north of Italy. The YSF 2024 will be held just before and in conjunction with the 48th FEBS Congress in Milano, which YSF participants will experience as well.

The YSF 2024 will host about 100 selected PhD and young postdoc researchers in biochemistry and molecular biology. Their registration and accommodation expenses, as well as most of the travel costs for both the YSF and FEBS Congress, will be covered by YSF grants from FEBS.

Details on how to apply, including eligibility criteria, can be found on the [YSF Applications](#) page.

The YSF 2024 aims to provide a unique forum for young scientists to present their work, discuss new methods and cutting-edge technologies, be challenged by emerging debates, and build a fruitful network with peers around Europe. Experienced mentors and trainee moderators will facilitate active participation in scientific discussion to allow all attendees to be engaged as participants rather than spectators.

The scientific focus of the invited speaker program will be sustainability and the importance of molecular details in cell function and physiology. As alluded to by the slogan of the YSF logo, the interdisciplinary nature of biochemistry will bridge the gap between different disciplines supporting progress of humanity in areas such as health, agriculture and the environment. Topics beyond research, such as technology transfer and scientific communication, will also be discussed.

To sum up, the YSF 2024 will provide a friendly atmosphere in a scenic location with opportunities for you to discuss your work with peers and leading scientists, and establish friendships and collaborations to propel future research. We are looking forward to receiving your application!

YSF 2024 Committee

About the YSF 2024 logo: the logo represents the most iconic architecture of the city of Pavia, namely Ponte Coperto. It well represents the city that will host the YSF meeting, as well as the mission of science: bridging the gap of knowledge to sustain humanity's progress. In this scenario, the interdisciplinary nature of biochemistry makes it of fundamental importance to break down the distances between different disciplines.

Artwork credits: Riccardo Miggiano and Franca Rossi



Wednesday June 26, 2024

14:00 - 17:00

*Arrival and Registration: University of Pavia - Aula del '400
(Strada Nuova, 65 - 27100 Pavia)*

17:00 - 17:30

OPENING REMARKS

Vittorio Bellotti, Directorial representative of the University of Pavia, and 23rd FEBS YSF Organizing Committee

Antonella Forlino, 23rd FEBS YSF Organizing Committee

Alain Krol, Chair of FEBS Excellence Awards and Fellowships Committee

Irene Díaz-Moreno, Chair of FEBS Careers of Young Scientists Committee

Miguel A. de la Rosa, FEBS Secretary General

Chair: Riccardo Miggiano

17:30 - 18:30

OPENING LECTURE - Patricia Monteiro, Portugal

'Synaptic and circuit mechanisms underlying autism spectrum disorder'

Chair: Antonella Forlino

19:00

Welcome Reception



Thursday June 27, 2024

09:00 - 09:45

KEYNOTE LECTURE 1 - Ana J. Garcia-Saéz, Germany

'Illuminating cell death mechanisms'

Chair: Irene Díaz-Moreno

09:45 - 11:00

SELECTED ORAL COMMUNICATIONS (5 x 15 min) - S1

Chairs: Luigi Ippolito, Chiara Paganini

Ena Šimunić, Croatia

'Loss of Sirtuin 3 in mouse embryonic fibroblasts augments sex-specific differences in redox and metabolic signaling'

Barbara Maria Contento, Italy

'Lack of trimeric intracellular cation channel B (TRIC-B) in osteoblasts impairs cell junctions and β -catenin cellular localization'

Karolina Gronkowska, Poland

'HIF1A-EP300-BRG1 functional crosstalk on the chromatin defines transcription of ABC transporters in paclitaxel resistant breast and lung cancers'

H. Atakan Ekiz, Türkiye

'The Cancer Genome Explorer (TCGEx): A powerful visual interface for sophisticated analyses of high throughput cancer data'

Tanakamol Mahawan, United Kingdom

'Pancreatic ductal adenocarcinoma metastatic biomarker discovery using machine learning approach'

11:00-11:30

Coffee Break



Thursday June 27, 2024

11:30 - 12:30

CAREER SKILLS - Introductory talks (4 x 15 min)

Chairs: Anna Jagusiak, Vlastimil Kulda

CV preparation - Keith Elliott

Publishing integrity - Jana Christopher

Educator skills - Ferhan Sagin

Lab books - Jason Perret

12:30 - 14:00

Lunch Break

14:00 - 15:30

CAREER SKILLS - Practical exercises (2 x 45 min; 4 parallel groups)

CV preparation - Keith Elliott (Chair: Luigi Ippolito)

Publishing integrity - Jana Christopher (Chair: Chiara Paganini)

Educator skills - Ferhan Sagin (Chair: Alessio Paone)

Lab books - Jason Perret (Chair: Francesca Tonelli)

15:30 - 16:00

Coffee Break

16:00 - 17:00

1-MIN POSTER PRESENTATIONS (Posters with odd numbers)

Chairs: Alessio Paone, Francesca Tonelli

17:00 - 18:00

POSTER SESSION (Posters with odd numbers)

18:30 - 20:00

City tour / Theatre improvisation (Chair: Sonia Trojan)

20:00 - 23:00

Dinner



Friday June 28, 2024

09:00 - 09:45

KEYNOTE LECTURE 2 - David Jeruzalmi, USA

'Proteins that do interesting things with DNA'

Chair: Riccardo Miggiano

09:45 - 11:00

SELECTED ORAL COMMUNICATIONS (5 x 15 min) - S2

Chairs: Alessio Paone, Francesca Tonelli

Marta Alberti, Italy

'Biochemical characterization and structural insights into Mycobacterium tuberculosis dihydroorotate dehydrogenase as innovative therapeutic target'

Edo Kiper, Israel

'Synthetic antimalarial peptides to combat drug resistance in malaria'

Marius Weismehl, Germany

'Elucidating the activation mechanism for GBP1 oligomerization - a key player in innate immunity against microbial pathogens'

Alicia L. Bruzos, France

'Evolution of marine contagious cancers in cockles characterized by genomic instability'

Ayelén Melina Santamans Recchini, Spain

'MCJ: A mitochondrial target for cardiac intervention in pulmonary hypertension'

11:00 - 11:30

Coffee Break



Friday June 28, 2024

11:30 - 12:30

ACADEMIC CAREER OPPORTUNITIES

Chairs: Irene Díaz-Moreno, Antonella Forlino

FEBS Excellence Awards and Fellowships - **Alain Krol**, FEBS
MSCA Postdoctoral Fellowships - **Joanna Robaczewska** and **Edyta Niemczak**,
European Research Executive Agency
Women in Science and Equality - **Caroline Dean**, FEBS

12:30 - 14:00

Lunch Break

14:00 - 15:30

CAREER SKILLS - Practical exercises (2 x 45 min; 4 parallel groups)

CV preparation - **Keith Elliott** (Chair: **Luigi Ippolito**)

Publishing integrity - **Jana Christopher** (Chair: **Chiara Paganini**)

Educator skills - **Ferhan Sagin** (Chair: **Alessio Paone**)

Lab books - **Jason Perret** (Chair: **Francesca Tonelli**)

15:30 - 16:00

Coffee Break

16:00 - 17:00

1-MIN POSTER PRESENTATIONS (Posters with even numbers)

Chairs: Luigi Ippolito, Chiara Paganini

17:00 - 18:00

POSTER SESSION (Posters with even numbers)

18:30 - 23:00

Social Programme (visit to Giulio Natta Center and dinner)



Saturday June 29, 2024

09:00-09:45

KEYNOTE LECTURE 3 - Marco Moracci, Italy

'Thermozymes for biorefineries: the biodiversity of extreme environments for the circular economy'

Chair: Vittorio Bellotti

09:45-10:30

GREEN LAB WORKING - Patrick Penndorf

Chair: Alessio Paone

10:30-11:00

Coffee Break

11:00-12:00

FEBS-IUBMB-ENABLE 2024 Conference, Singapore (Vlastimil Kulda)

FEBS YSF and Congress 2025, Türkiye (Atakan Ekiz, Duygu Harmanci)

FEBS Junior Section (Eszter Nagy-Kanta)

Chairs: Sonia Trojan, Anna Jagusiak

Prizes ceremony

12:00

Lunch

Travel to Milano



Prizes at the YSF 2024

YSF prizes are being funded by the journals *FEBS Open Bio* and *BioFactors*. *FEBS Open Bio* will sponsor a poster prize and an oral communication prize, and *BioFactors* will sponsor a poster prize.

FEBS
openbio

BioFactors

