

together in bioscience for a better future

8-12
JULY



FEBS 2023

THE 47TH FEBS CONGRESS

TOURS, FRANCE

FINAL PROGRAMME



FEBS
Letters

FEBS
openbio

Molecular
Oncology



www.2023.febscongress.org



Visit Refeyn's booth

Characterize monovalent
antibodies & bispecifics with
mass photometry.

A single-molecule method for rapid
measurement of molecular mass:

- Suitable for complex binding processes
- Get more information from one measurement
- Small sample amounts

CONTENT

Organizers and partners	4
Welcome message	5
Committees	6
Scientific programme information	7
Congress general information	9
Other useful information	10
Social events	11-12
Speaker guidelines	13
Programme at a glance	
Saturday 8 th July	14
Sunday 9 th July	15
Monday 10 th July	16
Tuesday 11 th July	17
Wednesday 12 th July	18
Detailed programme	19-38
Sponsors information	39-42
Floorplans	43
Information for posters presenters	44
Poster topics	45

FEBS 2023 | ORGANIZERS AND PARTNERS

WE THANK OUR PARTNERS

Organizers & Partners



App Sponsor

WILEY

Gold Sponsor



Silver Sponsors



General Sponsors



Institutional Sponsors



FEBS 2023 | WELCOME MESSAGE

It is our pleasure to welcome you to Tours for the 47th FEBS Congress – ‘Together in bioscience for a better future’!

The event is hosted by The **French Society for Biochemistry and Molecular Biology** (SFBBM), one of the oldest member Societies of FEBS. In a special collaboration for the 2023 Congress, the journals of FEBS also joined the event organization, bringing their knowledge from work at the cutting edge of research news and trends to the crafting of a ground-breaking scientific programme. In addition, inclusivity was considered alongside excellence in the event plans, for example by appraising symposia speaker suggestions invited from all current FEBS Constituent Societies.

Through several plenary lectures from outstanding research leaders, ‘**FEBS 2023**’ aims to provide participants at the event with a broad perspective on recent research progress across the molecular and cellular life sciences, encouraging exchange of ideas between fields. In addition, a choice of symposia sessions offers deeper dives into fast-moving topics identified as exciting and important areas for researchers to keep abreast of now, from basic science subjects to topics with more direct relevance for human health and environmental concerns.

As is traditional at a FEBS Congress, participants will be playing an active part in the event by presenting their own work as short talks or posters, and the meeting is being preceded by a Young Scientists’ Forum. But there are some new features too in the event experience this year. FEBS 2023 is a more compact meeting, and includes some novel approaches to help make it extra rewarding and enjoyable, such as a ‘stand-up’ social evening for those interested in bioscience education, a ‘Science and Society’ session in the street, and the opportunity to upload poster pdfs to the Congress app.

While our focus is on the science, the location of a FEBS Congress undoubtedly contributes to its atmosphere and the overall experience for participants. We are therefore delighted that FEBS 2023 is being enhanced by the beautiful setting of Tours, a historic and lively university city on the Loire river. We hope you will enjoy extending scientific discussions into the evenings with old and new contacts from the Congress against this backdrop.

We encourage you to make the most of all the opportunities offered by the 47th FEBS Congress. Meeting together in person at a FEBS Congress enables us to share our common scientific interests and passions, and learn about important developments outside our immediate research focus. We can also celebrate achievements, make or strengthen international connections, and support each other in our research aims. For the 47th FEBS Congress, we welcome researchers at all career stages, from a range of research fields and from across the globe – to gather ‘together in bioscience for a better future’.

Miguel A. De la Rosa, Spain (FEBS Secretary General)

Piotr Laidler, Poland (FEBS Congress Counsellor)

Alain Krol, France (SFBBM Secretary General & Chair, Congress Organizing Committee)

Johannes Buchner, Germany (Chair, Congress Scientific Programme Board)

Jerka Dumić, Croatia (Chair, Congress Scientific Advisory Committee)

FEBS 2023 | COMMITTEES

<https://2023.febscongress.org/committees>

Congress Management Board

Miguel A. De la Rosa, Chair, Spain (FEBS Secretary General)
Piotr Laidler (FEBS Congress Counsellor)
Johannes Buchner, Germany (FEBS Publications Committee Chair)
Alain Krol, France (SFBBM Secretary General & FEBS Fellowships Committee Chair)

Organizing Committee

Alain Krol, Chair, France (SFBBM & FEBS)
Magali Blaud, France (SFBBM)
Irene Diaz-Moreno, Spain (FEBS)
Philippe Fossé, France (SFBBM)
Gilles Lalmanach, France (SFBBM)
Hélène Munier-Lehmann, France (SFBBM)
Ariane Pachins, France (SFBBM)
Martin Picard, France (SFBBM)
Piotr Laidler, Poland (FEBS)

Scientific Programme Board

Johannes Buchner, Chair, Germany (FEBS)
Magali Blaud, France (SFBBM)
Michael Brunner, Germany (*FEBS Letters*)
Alain Krol, France (FEBS & SFBBM)
Seamus Martin, Ireland (*The FEBS Journal*)
Hélène Munier-Lehmann, France (SFBBM)
Miguel A. De la Rosa, Spain (*FEBS Open Bio*)
Kevin Ryan, UK (*Molecular Oncology*)
Beáta G. Vértessy, Hungary (FEBS)

Scientific Advisory Committee

Jerka Dumić, Chair, Croatia (FEBS)
Ferhan Sağın, Co-chair, Türkiye (FEBS)

FEBS Constituent Society representatives:

Flora Sarukhanyan, Armenia
Jason Perret, Belgium
Tanja Dujic, Bosnia and Herzegovina
Diana Petkova, Bulgaria
Damjan Franjević, Croatia
Cord Brakebusch, Denmark
Peep Palumaa, Estonia
Hannu Koistinen, Finland
Christine Ebel, France
Elene Zhuravliova, Georgia
Johannes Herrmann, Germany
Dimitris Kletsas, Greece
Imre Boros, Hungary
Francesca Cutruzzolà, Italy
Dana Reichmann, Israel
Nils Rostoks, Latvia
Saulius Serva, Lithuania
Grenadier Curocichin, Moldova
Abdelaziz Hmyene, Morocco
Svein Isungset Støve, Norway
Jolanta Jura, Poland
Graça Soveral, Portugal
Stefana Petrescu, Romania
Marija Gavrović-Jankulović, Serbia
Roman Jerala, Slovenia
Isabel Varela-Nieto, Spain
Arne Lindqvist, Sweden
Issam Smaali, Tunisia
Güneş Özhan, Türkiye
Daniel Legler, Switzerland
Serhiy Komisarenko, Ukraine
Martin Lindley, United Kingdom

Congress Abstracts

You can browse abstracts on: (1) the Congress app, (2) the abstract search/display facility on the Congress website around the time of the event, or (3) except for late-breaking abstracts, the online Congress supplement of *FEBS Open Bio*. Abstracts appearing in the *FEBS Open Bio* Congress supplement will be included individually in the Conference Proceedings Citation Index published by Web of Science.

Mobile and Web App

The FEBS Congress 2023 app includes the full Congress programme, with searchable abstracts, floor plans, and exhibitor information, and can also be used to create your own Congress schedule and take notes. Register in the app to message other app users and contribute to the event social feed. Poster presenters can also upload a poster pdf with audio to the app. To download the app, scan the bar code presented near the registration desk or search for the FEBS Congress 2023 app in the Apple App Store or Google Play Store. You can also open the web app through the link <https://febs2023.floq.live/event/febs> to use the app in a browser on your laptop or computer. Only registered Congress participants may download and use the app. The Congress app is sponsored by Wiley and powered by Conference Compass. For any general questions about the app ask at the registration desk or email comms@febs.org.

Poster guidelines

Display: Posters should be displayed on the board number corresponding to the abstract notation no later than 08:45 on the day for their poster topic, and be removed between 18:00 and 19:00 that day.

Attended sessions: These are scheduled between 13:30 and 14:30 from Sunday to Tuesday, according to the list of topics by day presented on the app, Congress website and page 45 of this booklet. Full poster guidelines can be found on the Congress website, under the Abstracts tab.

Poster Prizes

In recognition of the contribution of posters to the event, FEBS Press prizes for outstanding posters will be awarded by *The FEBS Journal*, *FEBS Letters*, *Molecular Oncology* and *FEBS Open Bio*. From a daily shortlist of posters chosen by journal editors on the basis of submitted abstracts, a panel of jurors will view the posters at the event and talk to the presenters. They will be looking for high-quality and exciting unpublished or recently published research presented in a clear and appealing manner. Daily winners will be announced at the FEBS stand at the afternoon break on Sunday through Tuesday of the Congress and these posters will remain on display.

for the rest of the Congress. Daily winners will go forward for consideration for overall poster prizes of €200 each, to be presented at the Congress Closing Ceremony, along with two poster prizes awarded by Biochimie (the journal of SFBM), and a prize for the best Education poster.

CODE OF CONDUCT

We want the 47th FEBS Congress to be a supportive, inclusive and welcoming professional event for all participants that enables valuable learning and updates across the molecular and cellular life sciences as well as meaningful connections and interaction of fellow researchers. All participants are expected to behave with integrity and respect and contribute positively to the goals of the meeting.

Audio, photo and video recording

Audio, photo and video recording by any device (e.g. cameras, laptops, PDAs, mobile phones, watches) is strictly prohibited during all oral sessions, unless prior permission is obtained from the Congress organizer. Mobile phones must be switched off or set to silent mode while attending sessions. Recording and photography in the poster areas is also strictly prohibited, unless consent is obtained from the poster presenter for a particular poster or from the Congress organizer.

Blogging policy

We remind participants that all unpublished data presented at the Congress should be regarded as confidential and not discussed outside of the meeting without the written permission of the presenter. This policy applies whether you are a professional writer/journalist or a nonjournalist blogging about the conference or otherwise sharing information among a group of individuals. If you are tweeting about the Congress, please use the official hashtag and note the restrictions above on photos: #FEBS2023

Other meeting etiquette

- Be polite and respectful to all participants in communications, whether they are in person or by text. Inappropriate behaviour including harassment, sexual misconduct and identity-based discrimination will not be tolerated. Please respect management of session questions and timings by the session Chairs.
- Any issues arising can be reported to info-febs2023@wearemc.com. The Congress Organizers reserve the right to take any action deemed appropriate for inappropriate behaviour, including revoking entry to sessions, deleting app user accounts and reporting to a participant's institution.

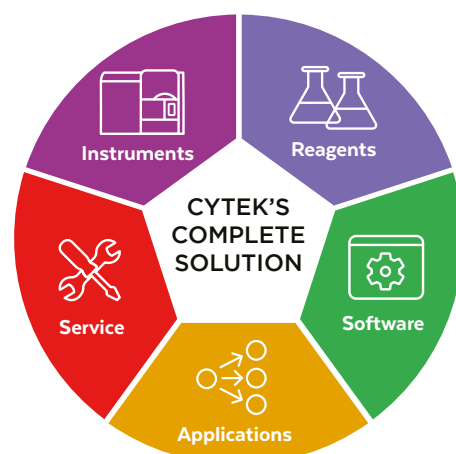
THE BEAUTY OF EXPRESSION

GIVE YOUR CELLS A VOICE

Your cells have a lot to say. Help them express themselves with high-quality single cell data thanks to Cytek's advanced technology and optimized flow cytometry applications.

- **Streamline** your workflow with highly sensitive, flexible instruments that eliminate the need to reconfigure for every assay
- **Accelerate** discovery with pre-optimized, ready-to-use reagent kits integrated with analysis templates
- **Maximize** efficiency with panel design tools and software that are widget-based and seamless
- **Partner** with highly trained service and application specialists that are ready to assist you with training and support

Cytek is committed to providing powerful solutions through scientific innovation. Join the world's most renowned pharmaceutical companies, CRO firms, industrial facilities, and research and academic institutions who have achieved results with our comprehensive approach. **Reveal the Beauty of Cellular Expression.**



CYTEK[®]
TRANSCEND THE CONVENTIONAL
WWW.CYTEKBIO.COM

CONGRESS OPENING HOURS

REGISTRATION DESK

Saturday 8th July: 15:00 – 19:00
Sunday 9th July: 8:00 – 19:30
Monday 10th July: 8:00 – 19:30
Tuesday 11th July: 8:00 – 18:00
Wednesday 12th July: 8:00 – 14:00

EXHIBITION

Saturday 8th July: 16:00 – 18:00
Sunday 9th July: 8:00 – 18:30
Monday 10th July: 8:00 – 18:00
Tuesday 11th July: 8:00 – 18:00

Badges

Your name badge is an official meeting document and must be worn at all times for entry to the scientific sessions, exhibition area and social programme. In case of lost or forgotten badges, an administration fee of 5 euros will be charged.

WiFi

There is a free WiFi internet connection available in the venue. Password: **Febs2023!**

Cloakroom

The cloakroom is located on level -1, next to the exhibition area. The service is provided free of charge to all registered participants.

Food and Beverages

Coffee breaks and lunches are included in the registration fee and will be served within the Exhibition/Poster area.

Smoking Policy

Please note that smoking is **not permitted** anywhere within the venue.

Guided Tours

If you are interested in guided tours, please visit the Convention Bureau - 78-82 Rue Bernard Palissy, 37000 Tours. A wide range of tours can be booked via the the Convention Bureau, the largest company in Tours offering organization of local excursions for foreign guests.

Certificate of Attendance

Your Certificate of Attendance will be available to download from the Congress website via your participant account after the event (Downloads section). If applicable, you will also find an Abstract Acceptance Certificate in the Abstracts section of your participant account.

Feedback

FEBS will be soliciting feedback through a post-Congress survey that participants will be invited by email to complete. Your comments are valued.

Event photography

An official photographer and a videographer appointed by MCI will be capturing some images of the Opening Ceremony, Plenary Lectures, and interaction of participants around posters and elsewhere in the exhibition. FEBS, SFBBM and the Congress Secretariat may use such photographs in printed and online reports of the event and future publicity.

For further information on FEBS' use of event images, please see www.febs.org/privacy-policy. If you do not wish for your image to be used by us, please contact admin@febs.org.

First aid

First aid is available at the Tours Congress Centre, in the Foyer level 0. In an emergency, you can also contact the Registration desk.

Emergency services

The European Emergency Number is **112**.

For Police, dial **17**.

For Fire, dial **18**.

For Ambulance, dial **15**.

Using mobile phones: remember to dial the local code before the number, for example:

+33 17 to call the police in France.

Taxis

The best way to order a taxi is by telephone. Calling ahead will get you a better fare. Please find taxi numbers below:

Taxi Tours - **+33 (0) 2 47 20 30 40**

Pharmacy

The two nearest pharmacies are located 90m away from the Tours Congress Centre, on 2 Place du Général Leclerc, 37000 Tours.

They are open:

Monday-Friday: 9:00-19:30,

Saturday: 8:00-13:00,

Sunday: closed

DOWNLOAD

THE CONGRESS APP: 'FEBS 2023'!

- Access the event programme, abstracts and presenter list
- Create your own daily schedule that will guide you through the day
- Stay informed and receive the latest messages and news
- Take part in our social feed
- Make contact with other attendees
- Take notes during sessions



How to download:

Search for 'FEBS 2023' in the **Apple Store** or **Google Play Store**, or scan the **QR code**.

FEBS 2023 | SOCIAL EVENTS

Saturday, 8th July 2023

WELCOME RECEPTION

Time: 19:00 (till 20:00)

Location: Exhibition Area, Congress Centre, Tours

About the Event: After the Opening Ceremony we invite all participants of the Congress to network with your colleagues in the Daniel Bourdu Area (level -2) of the congress venue where the exhibition and the poster area are located.

Dress Code: casual

Menu: Snacks and drinks

Price: included in the registration fee

Sunday, 9th July 2023

WOMEN IN SCIENCE LUNCH

Time: 13:00 (till 14:30)

Location: Brasserie O'Palais

Address: 15 Place Jean Jaurès, 37000 Tours

About the Event: A chance for early-career women to network with senior scientists and each other to discuss career-related issues.

Dress Code: Casual

Price: Limited free places, on a first-come, first-served basis: sign up at the FEBS booth before Sunday 9th at 10:00 am.

Sunday, 9th July 2023

MEET THE FEBS PRESS EDITORS

Time: 18:30 (till 19:30)

Location: Auditorium Descartes, Congress Center, Tours

About the Event: Considering submitting a research article to one of the FEBS Press journals? Come along and meet the Editors of *The FEBS Journal*, *FEBS Letters*, *Molecular Oncology*, *FEBS Open Bio* and *Biochimie Journal*. We'd be pleased to answer your questions over a drink.

Dress Code: Casual

Menu: Snacks and drinks

Price: Included in the registration fee

Sunday, 9th July 2023

SCIENCE IN THE STREET EVENT: Nutrition and exercise as an important factors for the proper function of the biochemical metabolism

Time: 20:00 (till 22:00)

Location: Oceania l'Univers Tours hotel

Address: 5 Bd Heurteloup, 37000 Tours

About the Event: The evening will include talks from nutrigenomics specialist Rosita Gabbianelli from the University of Camerino, Italy, and Antonio Paoli from the University of Padua, Italy, who studies exercise physiology. The focus will be on how nutrition and exercise impact metabolism, general public health and quality of life, and on explaining the purpose of the relevant research to a wide audience.

Translation: From English to French (*your ID will be required to receive a headset for translation*).

Dress Code: Casual

Menu: One welcome drink

Price: Included in the registration fee. *Also open to non-congress participants (free)*

FEBS 2023 | SOCIAL EVENTS

Monday, 10th July 2023

PUBLICATION ETHICS WORKSHOP: reading, reviewing, publishing and citing trustworthy papers

Time: 18:00 (till 19:30)

Location: Auditorium Descartes, Congress Center, Tours

About the Event: Scientists spend a lot of time writing, reading, and reviewing research articles. This session will discuss both established and emerging features of trustworthy versus problematic research articles, to increase researcher awareness of current issues in publication ethics. The workshop session will also explore how journals identify and respond to image integrity issues in publications, and provide guidance on best practices during figure preparation.

Chair: Jennifer Byrne

Speakers: Jana Christopher, Mary Purton, Duncan Wright

Dress Code: Casual

Price: Included in the registration fee

Monday, 10th July 2023

FEBS STANDS UP FOR EDUCATION: Hot Topics, Music and More

Time: 20:00 (till 22:30)

Location: La Guinguette Tours de Loire – Restaurant 'Chez ta mère'

Address: Quai de la Loire, 37000 Tours

About the event: Join us for an evening of education, music, food, and drinks!

FEBS Education Committee is proud to present this special event featuring dynamic speakers who will share their insights and perspectives on key issues facing education today. Our audience is invited to share experiences, contribute to this lively discussion and enjoy entertaining performances.

From the challenges of training transferable skills to the impact of social media on student well-being, our speakers will tackle some of the most pressing issues in the field.

But that's not all – we'll also provide delicious food and drinks to fuel your brain and your body.

Network with fellow educators and education enthusiasts in a relaxed, social setting that encourages open discussion and collaboration.

Whether you're a teacher, student, administrator, or simply interested in the future of education, this event is for you. Come join us as we stand up for education and explore the latest ideas, research, and innovations in the field.

Dress Code: Casual

Menu: Drinks and snacks

Price: Included in the registration fee. Limited to 80 people on a first come, first serve basis. Sign up at the FEBS booth before Monday 10th at 10:00 am.

Wednesday, 11th July 2023

CONGRESS DINNER

Time: 20:00 (till 23:30)

Location: Brasserie de l'Univers

Address: 8 place Jean Jaurès, 37000, Tours

Dress Code: Casual

Price: Only upon reservation made before May 24th.

FEBS 2023 | SPEAKER GUIDELINES

INFORMATION FOR SPEAKERS

Please check the length of your talk in the programme, as well as instructions on how much time to leave for questions (<https://2023.febscongress.org/talk-guidelines>). You will also find instructions on presentation file formats on this webpage.

PREVIEW ROOM – Uploading your presentation onsite

All presentations must be uploaded and tested at the Preview room (except for speed talk presentations). Presentation files must be delivered here by the speakers **at least 1 hour before the afternoon session, or the day before the morning session** (no later than 18:00).

For your talk, your presentation will be sent directly to the meeting room through the internal computer network of the Palais des Congrès. The PC on the lectern is programmed in 16/9 format and is linked to a video-projector. Preview room will be available at the following times:

Saturday 8th July: 15:00 – 19:00

Sunday 9th July, Monday 10th July and Tuesday 11th July: 8:00 – 18:00

Wednesday 12th July: 8:00 – 12:00

IN THE LECTURE ROOM

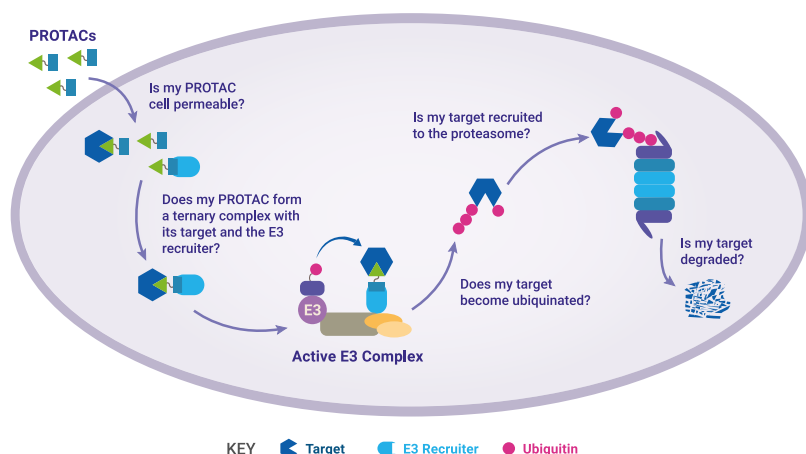
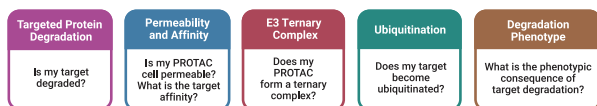
Once the presentation is launched on the computer in the respective lecture room, you will advance your own slideshow using the mouse of the computer (your slides will go on as usual). All speakers are requested to be present in the lecture room 10 minutes before the session starts to meet with the session chair. Please, do not come at the last minute with your own computer into the lecture room: you will NOT BE ABLE to connect it. We remind you that the speaking time is strictly limited, and that Chairs are instructed to ensure that it is respected. **If any problems occur, there will be assistance staff in each lecture room.**



Targeted Protein Degradation:

Your molecular toolbox to explore small-molecule-induced degradation in live cells

Key Questions To Consider When Developing Protein Degraders:



Promega offers a portfolio of cell-based assays for use in development of effective protein degraders.

More than 200 CRISPR-edited cell line pools and clones are available to facilitate studying popular protein degradation targets, using sensitive bioluminescence technology.

Find out our Degradation Profiling Services with optional cell viability monitoring!

Contact: FR.support@promega.com



Learn more about Targeted Protein Degradation for Drug Discovery

Learn more about CRISPR Cas9 KI Tagging

FEBS 2023 | PROGRAMME AT A GLANCE

PROGRAMME CATEGORIES



SATURDAY 8th JULY

	Auditorium François 1 ^{er}	Daniel Bourdu Area
15:00	Welcome registration desk opening	
16:00	Welcome Address	
17:00	FEBS Sir Hans Krebs Lecture - Opening Plenary Lecture	
18:00	FEBS Datta Lecture	
19:00		Welcome Reception
20:00		

FEBS 2023 | PROGRAMME AT A GLANCE

SUNDAY 9th JULY

	Auditorium François 1 ^{er}	Auditorium Pierre Ronsard	Auditorium Descartes	Daniel Bourdu Area	Outside Tours Congress Center
9:00	Cancer and ageing	Climate change: biochemical CO ₂ fixation	Protein life cycle I: localisation, dynamics, functioning		
11:00				Coffee Break	
11:30	FEBS/EMBO Women in Science Award Lecture				
12:30	Speed Talks Session A	Speed Talks Session B	Speed Talks Session C		
13:00				Lunch and Poster Presentations	
14:30	Industry talks: REYFEN				
14:50	Industry talks: Dynamic Biosensors	Industry talks: PROMEGA	Industry talks: CYTEK-Bio		
15:05	Molecular Oncology Lecture				
16:00				Coffee Break	
16:30	Supramolecular assemblies I: signal transduction	Biotech solutions to current problems	Autophagy		
18:30			FEBS Press – Meet the Editors		
19:30					
20:00					
22:00					Science in the Street Event: Nutrition and exercise as important factors for the proper function of the biochemical metabolism (more details on page 11)

FEBS 2023 | PROGRAMME AT A GLANCE

MONDAY 10th JULY

	Auditorium François 1 ^{er}	Auditorium Pierre Ronsard	Auditorium Descartes	Daniel Bourdu Area	Outside Tours Congress Center
9:00	Gene expression / epigenetics	Immunometabolism in cancer development and therapy	Chemical biology		
11:00				Coffee Break	
11:30	EMBO Lecture				
12:30	Speed Talks Session D	Speed Talks Session E	Speed Talks Session F		
13:00				Lunch and Poster Presentations	
14:30	The FEBS Journal and FEBS Letters Award Lectures				
15:30				Coffee Break	
16:00	Cell death, and inflammation	Supramolecular assemblies II: RNA-protein complexes, molecular machines	Protein life cycle II: degradation		
18:00			Publication ethics: reading, reviewing, publishing and citing trustworthy papers		
19:30					
20:00					FEBS Stands Up for Education: Hot Topics, Music and More (more details on page 12)
22:30					

FEBS 2023 | PROGRAMME AT A GLANCE

TUESDAY 11th JULY

	Auditorium François 1 ^{er}	Auditorium Pierre Ronsard	Auditorium Descartes	Daniel Bourdu Area	Outside Tours Congress Center
9:00	Protein life cycle III: ribosomes, folding, chaperones	Innate immune pathogen sensing	The exposome and cancer		
11:00				Coffee Break	
11:30	FEBS Special Lecture				
12:30	Speed Talks Session I	Speed Talks Session G	Speed Talks Session H		
13:00				Lunch and Poster Presentations	
14:30	FEBS Theodor Bücher Lecture				
15:30				Coffee Break	
16:00	Emerging technologies for the future	Cell metabolism and stress	Host-microbial interactions		
18:00					
20:00					
23:00					Congress Dinner

WEDNESDAY 12th JULY

	Auditorium François 1 ^{er}	Auditorium Pierre Ronsard	Auditorium Descartes	Daniel Bourdu Area
9:00	Mitochondria in health and disease	RNA biology	Supramolecular assemblies III: metabolons, multienzyme complexes	
11:00				Coffee Break
11:30	FEBS Open Bio Lecture			
12:30	IUBMB Lecture - Closing Plenary Lecture			
13:30 14:00	Closing session			

DISCOVER MOLECULAR INTERACTIONS

dynamic
BIOSENSORS

dynamicBIOSENSORS
technologies for molecular
interaction analysis feature
unparalleled analytical
capabilities, enabling the
development and
manufacturing of future drugs.



heliX[®] biosensors
switchSENSE[®] compatible

heliX^{cyto} biosensors
RT-IC compatible

www.dynamic-biosensors.com

FEBS 2023 | DETAILED PROGRAMME

SATURDAY 8th JULY

16:00 - 17:00

Auditorium François 1^{er} **PLENARY LECTURES**

Welcome Address

17:00 - 18:00

Auditorium François 1^{er} **PLENARY LECTURES**

FEBS Sir Hans Krebs Lecture - Opening Plenary Lecture

Chair: Janko Kos (Slovenia)

17:00 - 18:00

Diet, metabolism and cancer progression

Karen Vousden (United Kingdom)

18:00 - 19:00

Auditorium François 1^{er} **PLENARY LECTURES**

FEBS Datta Lecture

Chair: Piotr Laidler (Poland)

18:00 - 19:00

tRNA modifications and fidelity of decoding

Eric Westhof (France)

19:00 - 20:00

Daniel Bourdu Area **SOCIAL PROGRAM**

Welcome Reception

SUNDAY 9th JULY

09:00 - 11:00

Auditorium François 1^{er} **SYMPOSIA**

Cancer and ageing

Chair: Peter Adams (United-States of America)

09:00 - 09:30

Understanding the role of aging in cancer

Peter Adams (United States of America)

09:30 - 10:00

Mitochondrial DNA mutations in ageing and cancer - What's the connection?

Laura Greaves (United Kingdom)

10:00 - 10:30

Early life influences on aging trajectories of stem cells and metabolism

Lenhard Rudolph (Germany)

10:30 - 10:45

DNA mismatch repair protects the genome from oxygen-induced replicative mutagenesis

Dávid Szűts (Hungary)

10:45 - 11:00

Mutant p53 (mutp53)-driven HMGA1 secretion promotes pancreatic ductal adenocarcinoma (PDAC) proliferation and chemoresistance

Federica Danzi (Italy)

FEBS 2023 | DETAILED PROGRAMME

09:00 - 11:00

Auditorium Pierre Ronsard **SYMPOSIA**

Protein life cycle I: localisation, dynamics, functioning

Chair: Irene Diaz-Moreno (Spain)

09:00 - 09:30

Mitochondrial control of nuclear condensates

Irene Diaz-Moreno (Spain)

09:30 - 10:00

The role of highly flexible regions in orchestrating the properties of multi-domain proteins: the example of N from SARS-CoV-2

Isabella Felli (Italy)

10:00 - 10:30

Protein N-terminal acetylation: machinery and impact

Thomas Arnesen (Norway)

10:30 - 10:45

Complex study on the toxic effect of SARS-CoV-2 ORF6 protein

Elena Krachmarova (Bulgaria)

10:45 - 11:00

Structural insight into the plant PIN-FORMED auxin transporter

Kien Lam Ung (Denmark)

09:00 - 11:00

Auditorium Descartes **SYMPOSIA**

Climate change: biochemical CO₂ fixation

Chair: Manajit Hayer-Hartl (Germany)

09:00 - 09:30

Cellular machineries devoted to Rubisco – Nature's predominant CO₂ fixing enzyme

Manajit Hayer-Hartl (Germany)

09:30 - 10:00

Harnessing nature's solutions for more efficient CO₂ fixation

Laura Gunn (United States of America)

10:00 - 10:30

How pyrenoid-based CO₂-concentrating mechanisms can boost plant performance

Alistair McCormick (United Kingdom)

10:30 - 10:45

The evolution of the Rubiscosome

Georg Hochberg (Germany)

10:45 - 11:00

Rubisco regulation in crops

Elizabete Carmo-Silva (United Kingdom)

FEBS 2023 | DETAILED PROGRAMME

11:00 - 11:30

Daniel Bourdu Area **COFFEE BREAK**

Coffee Break

11:30 - 12:30

Auditorium François 1^{er} **PLENARY LECTURES**

FEBS/EMBO Women in Science Award Lecture

Chairs: Caroline Dean (United Kingdom) Gerlind Wallon (Germany)

11:30 - 12:30

Mapping the human body: one cell at a time

Sarah Teichmann (United Kingdom)

12:35 - 13:00

Auditorium François 1^{er} **SPEED TALKS SESSIONS**

Speed Talks Session A: Cancer and ageing; Autophagy

Chair: Magali Blaud (France)

12:35 - 12:38

Mitochondrial transplanted enhanced the effect of cisplatin in prostate and ovarian carcinoma

Aybuke Celik (Türkiye)

12:38 - 12:41

Influence of the tumor microenvironment on the formation of brain metastases by breast cancer cells

Di Russo, Sara (Italy)

12:41 - 12:44

A probe-based 3D co-culture screening platform to repolarize tumor-associated macrophages and cancer-associated fibroblasts

Maren Pfirrmann (The Netherlands)

12:44 - 12:47

MCPIP1 protein, gender and hepatocellular carcinoma - what is the relationship between them

Oliwia Kwapisz (Poland)

12:47 - 12:50

Diverse tumor microenvironment composition influences the effectiveness of therapy with the use of a STING agonist and an anti-vascular compound

Justyna Czapla (Poland)

12:50 - 12:53

CK2 plays a critical role in tyrosine kinase inhibitor resistance driven by the Bcr-Abl T315I mutation in chronic myeloid leukemia

Camila Paz Quezada Meza (Italy)

12:53 - 12:56

Tumor-derived CTF1 is a critical mediator of stroma-assisted and autophagy-dependent breast cancer cell migration, invasion and metastasis

Yunus Akkoc (Türkiye)

FEBS 2023 | DETAILED PROGRAMME

12:35 - 13:00

Auditorium Pierre Ronsard **SPEED TALKS SESSIONS**

Speed Talks Session B: Protein life cycle I: Localisation, dynamics, functioning; Molecular basis of disease (excluding cancer)

Chair: Michael Brunner (Germany)

12:35 - 12:38

Structural basis of Nedd4-2 regulation by 14-3-3 protein

Rohit Joshi (Czech Republic)

12:38 - 12:41

LIM kinases, crucial actors of actin cytoskeleton dynamics: a new intriguing mechanism of regulation highlighted

Elodie Villalonga (France)

12:41 - 12:44

The role of correlated motions of conserved polar motifs and the binding modes of agonists in the activation mechanism of G protein-coupled receptors.

Attila Borics (Hungary)

12:44 - 12:47

Unravelling protein and DNA dynamics with videorate atomic force microscopy

Joan Carles Escolano (Germany)

12:47 - 12:50

A tissue specific post-translational modification (PTM) map of the human proteome

Pathmanaban Ramasamy (Belgium)

12:50 - 12:53

Iron overload impairs autophagy and decreases lifespan in the yeast model of Niemann-Pick type C1

Telma S. Martins (Portugal)

12:53 - 12:56

Studies of three missense mutations involved in 3-phosphoglycerate dehydrogenase deficiency—a syndrome associated with reduced L-serine synthesis

Elena Zerbinì (Italy)

12:56 - 12:59

The circadian modulation of melanin biosynthesis by binding to the ROR regulatory motif in the retinal pigment epithelium

Nemanja Milićević (Finland)

FEBS 2023 | DETAILED PROGRAMME

12:35 - 13:00

Auditorium Descartes **SPEED TALKS SESSIONS**

Speed Talks Session C: Biotech solutions to current problems; Food and nutrition in biochemistry

Chair: Johannes Buchner (Germany)

12:35 - 12:38

One step closer to the 3D bioprinted meniscus

Jakub Rybka (Poland)

12:38 - 12:41

Development of immuno-PCR for sensitive quantification of SARS-CoV-2 nucleocapsid protein

Mirjana Radomirovic (Serbia)

12:41 - 12:44

Bioactive natural peptides: from fighting antimicrobial resistance to anticancer opportunities

Esther Imperlini (Italy)

12:44 - 12:47

Genomic and functional analysis of *Bacillus velezensis* P3.3S - a putative biocontrol agent of plant pathogens

Loredana-Elena Mantea (Romania)

12:47 - 12:50

A system biology approach integrating cyanide assimilation into central metabolism

Rafael Blasco (Spain)

12:50 - 12:53

Wood-based lignans and polyphenols improve intestinal health

Mara Heckmann (Austria)

12:53 - 12:56

Peptides obtained after in vitro digestion of intracellular proteins of *S. thermophilus* display anti-inflammatory activity in THP-1 cells

Rania Allouche (France)

13:00 - 14:30

Daniel Bourdu Area **LUNCH & POSTER SESSIONS**

Lunch & Poster Presentations

14:30 - 14:50

Auditorium François 1^{er} **INDUSTRY TALKS**

Mass photometry – an analytical technology for biomolecular characterization

Benjamin Cappe



14:50 - 15:00

Auditorium François 1^{er} **INDUSTRY TALKS**

How to characterize the mode of action and avidity effects of antibodies using switchSENSE® and RT-IC

Amandine Contier (Munich, Germany)



FEBS 2023 | DETAILED PROGRAMME

14:50 - 15:00

Auditorium Pierre Ronsard **INDUSTRY TALKS**

Advanced cell-based assays for oncology

KRAS is one of the most frequently mutated oncogenes in cancer. KRAS was historically considered undruggable, until the discovery of covalent ligands such as Sotorasib (AMG510) and Adagrasib (MRTX849) that target the Switch II (SII) pocket of the KRAS(G12C) oncoprotein..



To address this need, we took advantage of the principles of the NanoBRET TE approach. NanoBRET TE is the first biophysical method to enable the quantitative determination of compound occupancy and potency for specific target proteins inside living cells using bioluminescence resonance energy transfer (BRET). Here, we report an adaptation of NanoBRET TE that uses a split luciferase approach to query TE specifically at protein complexes. Combined with a BRET tracer designed from the pan-RAS probe BI-2852, we introduce the first NanoBRET TE assays for full length, multimeric RAS variants in live cells. These assays accurately report on the pharmacology of existing KRAS(G12C) inhibitors, and have uncovered a surprising vulnerability of many RAS variants to reversible binding in the SII-pocket by specific drug chemotypes.

We also looked at targeted degradation of the various RAS mutants, protein protein interactions with various proteins involved in the RAS pathway and finally a pERK assay for monitoring RAS activation.

Presented by Steven Edenson - Strategic Collaborations Manager - Promega Corporation

14:50 - 15:00

Auditorium Descartes **INDUSTRY TALKS**

Spectral and Imaging Flow cytometry: the Cytex solutions for all your Cellular Analysis needs!



15:00 - 16:00

Auditorium François 1^{er} **PLENARY LECTURES**

Molecular Oncology Lecture

Chair: Kevin Ryan (United-Kingdom)

15:00 - 16:00

Targeting KRAS: Light at the end of the tunnel

Mariano Barbacid (Spain)

16:00 - 16:30

Daniel Bourdu Area **COFFEE BREAK**

Coffee Break

16:30 - 18:30

Auditorium François 1^{er} **SYMPOSIA**

Supramolecular assemblies I: signal transduction

Chair: Martin Picard (France)

16:30 - 17:00

Elucidating energy coupling of tripartite transport machineries in biomimetic environments

Martin Picard (France)

17:00 - 17:30

Misregulation of Wnt/ β -catenin signaling at the plasma membrane and the regulatory role of membrane lipids in hepatocellular carcinoma

Gunes Ozhan (Türkiye)

17:30 - 18:00

The pleiotropic actions of arrestin proteins

Laszlo Hunyady (Hungary)

18:00 - 18:15

Holdup Multiplex assay for high-throughput measurement of protein-ligand affinity constants using a mass-spectrometry readout

Elodie Monsellier (France)

FEBS 2023 | DETAILED PROGRAMME

18:15 - 18:30

Comparative analysis of PDZ-binding motifs in the diacylglycerol kinase family
Boglarka Zambo (France)

16:30 - 18:30

Auditorium Pierre Ronsard **SYMPOsia**

Biotech solutions to current problems
Chair: Alain Marty (France)

16:30 - 17:00

PET recycling: From enzyme and process optimization to an industrial plant
Alain Marty (France)

17:00 - 17:30

Designing live catalysts for large-scale environmental interventions
Victor de Lorenzo (Spain)

17:30 - 18:00

Enzymes as game changers to address the sustainability challenge in synthesis
Mélanie Hall (Austria)

18:00 - 18:15

Structural analysis of antigens on virus-like particles in vaccine formulations
Kristaps Jaudzems (Latvia)

18:15 - 18:30

Revealing the mechanisms of TnpB: biochemical characterization of DNA target recognition
Gytis Druteika (Lithuania)

16:30 - 18:30

Auditorium Descartes **SYMPOsia**

Autophagy
Chair: Zvulun Elazar (Israel)

16:30 - 17:00

Nonselective autophagosome biogenesis balances vesicle maturation with cargo inclusion
Zvulun Elazar (Israel)

17:00 - 17:30

WIPI beta-propeller proteins in the control of autophagy and longevity
Tassula Proikas-Cezanne (Germany)

17:30 - 18:00

Initiation of autophagy and the role of the ATG8 conjugation machinery
Sharon A. Tooze (United Kingdom)

18:00 - 18:15

Regulation of BNIP3L/NIX receptor dimerization in development-induced mitophagy
Ivana Novak Nakir (Croatia)

18:15 - 18:30

ULK1/Atg1-mediated phosphorylation regulates the interaction between GAPR-1 and Beclin 1
Dora Kaloyanova (The Netherlands)

FEBS 2023 | DETAILED PROGRAMME

18:30 - 19:30

Auditorium Descartes **SOCIAL PROGRAM**

FEBS Press – Meet the Editors

20:00 - 22:00

Oceania Hotel **SPECIAL SESSIONS**

Science in the Street Event: Nutrition and exercise as important factors for the proper function of the biochemical metabolism

MONDAY 10th JULY

09:00 - 11:00

Auditorium François 1^{er} **SYMPOSIA**

Gene expression / epigenetics

Chair: Naama Barkai (Israel)

09:00 - 09:30

How transcription factors find their binding sites in the large genome?

Naama Barkai (Israel)

09:30 - 10:00

Understanding gene regulation using single molecule genomics

Arnaud Krebs (Germany)

10:00 - 10:30

The double-edged sword of transcription factor clustering

Tineke Lenstra (The Netherlands)

10:30 - 10:45

Cell type-specific contribution of CTCF to transcriptional regulation

Aleksandra Pękowska (Poland)

10:45 - 11:00

Transcriptional co-activator PGC-1 α cooperates with nuclear cap-binding proteins to activate gene expression

Xavier Rambout (United States of America)

09:00 - 11:00

Auditorium Pierre Ronsard **SYMPOSIA**

Immunometabolism in cancer development and therapy

Chair: Cristina Muñoz Pinedo (Spain)

09:00 - 09:30

Immunosuppression by the tumor nutrient microenvironment

Cristina Muñoz Pinedo (Spain)

09:30 - 10:00

Targeting immunometabolism in patient-derived breast cancer explant cultures

Juha Klefstrom (Finland)

10:00 - 10:30

Harnessing tumor metabolism to overcome immunosuppression

Massimiliano Mazzone (Belgium)

FEBS 2023 | DETAILED PROGRAMME

10:30 - 10:45

Decrease of phosphocholine metabolism in 2-hydroxyflutamide-resistant prostate cancer cells
Ines Diaz-Laviada (Spain)

10:45 - 11:00

Metabolic targeting of Neuroblastoma
Barbara Kofler (Austria)

09:00 - 11:00

Auditorium Descartes **SYMPOSIA**

Chemical biology Symposia
Chair: Kathrin Lang (Switzerland)

09:00 - 09:30

Expanding the genetic code - new chemistries for biology
Kathrin Lang (Switzerland)

09:30 - 10:00

Chemogenetic tools for imaging, sensing and controlling cell biology
Gautier, Arnaud (France)

10:00 - 10:30

Microscopic evidence for malaria infection in viscera tissue of the Medici family
Kilian, Nicole (Germany)

10:30 - 10:45

Ways for enhancement of anticancer action of novel synthetic and natural heterocyclic compounds
Stoika, Rostyslav (Ukraine)

10:45 - 11:00

An enhanced peptide-peptide ligation system facilitates highly efficient modular coupling for robust decoration of the cell surface
Wood, Dominic (United Kingdom)

11:00 - 11:30

Daniel Bourdu Area **COFFEE BREAK**

Coffee Break Coffee Break

11:30 - 12:30

Auditorium François 1^{er} **PLENARY LECTURES**

EMBO Lecture
Chair: Johannes Buchner (Germany)

11:30 - 12:30

How do enhancers function to regulate embryonic development?
Eileen Furlong (Germany)

12:35 - 13:00

Auditorium François 1^{er} **SPEED TALKS SESSIONS**

Speed Talks Session D: Gene expression / epigenetics; Cell death, and inflammation
Chair: Alain Krol (France)

FEBS 2023 | DETAILED PROGRAMME

12:35 - 12:38

The role of Rab27 in melanoma cell invasion and exosomal secretion

Katarzyna Horodecka (Poland)

12:38 - 12:41

The role of SWI/SNF chromatin remodeling complex in organ-specific transcription start site choice

Magdalena Zaborowska (Poland)

12:41 - 12:44

Healthy cells accelerate death of oxidatively damaged cells by blocking their transcriptional response to oxidative stress

Jelena Budimir (Croatia)

12:44 - 12:48

The distinct role of keratinocyte and myeloid Mcpip1 in skin inflammation

Weronika Szukała (Poland)

12:48 - 12:51

Molecular insights into an ancient mechanism of rapid cell death involving endoplasmic reticulum and nuclear remodeling

Chaudhuri, Arunima (Sweden)

12:51 - 12:54

Modulation of NF-κB mediated inflammation via inhibition of p65 translocation

Milena Zlatanova (Serbia)

12:35 - 13:00

Auditorium Pierre Ronsard **SPEED TALKS SESSIONS**

Speed Talks Session E: Supramolecular assemblies II: RNA-protein complexes, molecular machines; Protein life cycle II: Degradation; RNA biology; Immunometabolism in cancer development and therapy

Chair: Seamus Martin (Ireland)

12:35 - 12:38

Structural and functional analysis of OrfG, a central component of the type IV secretion system of ICEst3

Maffo Robine (France)

12:38 - 12:41

Assembly factor of E.coli ribosomal small subunit biogenesis: structural insights

Bruno Bonnettaz (France)

12:41 - 12:44

Insulin degrading enzyme affects proteasome assembly and activity by regulating the dynamics of 20S maturation

Dario Cavaterra (Italy)

12:44 - 12:47

From mapping to mechanism: Ribosome rRNA methylation in plants

Sara Alina Neumann (France)

12:47 - 12:50

Application of an innovative nanopore sequencing-based approach to identify novel circRNAs of the human PRMT1 gene in a panel of breast cancer cell lines

Maria Papatsirou (Greece)

FEBS 2023 | DETAILED PROGRAMME

12:50 - 12:53

Modulation of NLRP3 inflammasome assembly, cytokine production and pyroptosis cell death: implications for a potential therapy of breast cancer

Liliana Roxana Balahura (Stămat) (Romania)

12:35 - 13:00

Auditorium Descartes **SPEED TALKS SESSIONS**

Speed Talks Session F: Chemical biology; Medicinal biochemistry; Molecular life sciences education

Chair: Hélène Munier-Lehmann (France)

12:35 - 12:38

Deciphering of retinoid storage and metabolic pathways using bio-orthogonal chemistry-based strategies

Alexia Kindler (France)

12:38 - 12:41

Engineering of chemogenetic rigid probes for polarization microscopy

Kristina Mironova (France)

12:41 - 12:44

Could GroEL1 be a potential anti-tuberculosis drug target?

Zhiyu Zhou (Belgium)

12:44 - 12:47

Fighting resistance to aminoglycosides - design of bacterial enzyme inhibitors

Julien Kowalewski (France)

12:47 - 12:50

Selected problems/cases to stimulate collaborative learning regarding the dynamic flexibility of metabolism

Miguel Ángel Medina (Spain)

12:50 - 12:53

Entrance tests: about devils or angels

Sincic, Nino (Croatia)

12:53 - 12:56

A workshop that integrates masters degree content develops soft skills for the professional future

Ana María Bajo (Spain)

13:00 - 14:30

Daniel Bourdu Area **LUNCH & POSTER SESSIONS**

Lunch & Poster Presentations

14:30 - 15:30

Auditorium François 1^{er} **PLENARY LECTURES**

The FEBS Journal and FEBS Letters Award Lectures

Chairs: Seamus Martin (Ireland) Michael Brunner (Germany)

14:30 - 15:00

Molecular mechanism allowing Mycobacteria to evade natural antibiotics targeting the essential ClpC degradation pathway

Eilika Weber-Ban (Switzerland)

15:00 - 15:30

Plant lipid engineering to cut agricultural greenhouse gas emissions

Peter Eastmond (United Kingdom)

FEBS 2023 | DETAILED PROGRAMME

15:30 - 16:00

Daniel Bourdu Area **COFFEE BREAK**

Coffee Break

16:00 - 18:00

Auditorium François 1^{er} **SYMPOSIA**

Cell death, and inflammation

Chair: Seamus Martin (Ireland)

16:00 - 16:30

Cell stress, cell death and inflammation

Seamus Martin (Ireland)

16:30 - 17:00

Deconstructing inflammasomes: from mechanisms to applications

Iva Hafner Bratkovic (Slovenia)

17:00 - 17:30

Gasdermin-executed pyroptosis in antitumor immunity

Feng Shao (China)

17:30 - 17:45

Mitochondrial nicotinic acetylcholine receptors: the role in cell survival and apoptosis

Maryna Skok (Ukraine)

17:45 - 18:00

NatB-dependent acetylation protects procaspase-8 from UBR4-mediated degradation and is required for full induction of extrinsic apoptosis

Carmela Giglione (France)

16:00 - 18:00

Auditorium Pierre Ronsard **SYMPOSIA**

Supramolecular assemblies II: RNA-protein complexes, molecular machines

Chair: Virginijus Šikšnys (Lithuania)

16:00 - 16:30

TnpB - a bridge between transposition and CRISPR-Cas antiviral defense

Virginijus Šikšnys (Lithuania)

16:30 - 17:00

mRNA scanning alteration in colorectal cancer

Yaser Hashem (France)

17:00 - 17:30

Virus traps and other molecular machines of the future

Hendrik Dietz (Germany)

17:30 - 17:45

How does a kinase and small GTPases regulate the function of scaffolding proteins?

Prosenjit Pal (United Kingdom)

17:45 - 18:00

The Rab5 effector complex Rabenosyn5/Vps45 coordinates transition from membrane tethering to fusion

Federica Caradonna (Germany)

FEBS 2023 | DETAILED PROGRAMME

16:00 - 18:00

Auditorium Descartes **SYMPOSIA**

Protein life cycle II: degradation

Chair: Eilika Weber-Ban (Switzerland)

16:00 - 16:30

Cellular roles of proteasomal degradation in mycobacterial stress responses

Eilika Weber-Ban (Switzerland)

16:30 - 17:00

EDEM selective functions in physiological and acute ER stress

Stefana Maria Petrescu (Romania)

17:00 - 17:30

ER-phagy and ER-to-lysosome-associated degradation

Maurizio Molinari (Switzerland)

17:30 - 17:45

COP I and II dependent trafficking directs ER-associated degradation in mammalian cells

Gerardo Lederkremer (Israel)

17:45 - 18:00

Selective degradation of ARF monomers controls auxin response in Marchantia

Jan Willem Borst (The Netherlands)

18:00 - 19:30

Auditorium Descartes **SPECIAL SESSIONS**

Publication ethics: reading, reviewing, publishing and citing trustworthy papers

Chair: Jennifer Byrne (Australia)

Other presenters: Jana Christopher, Paraminder Dhillon, Mary Purton

Scientists spend a lot of time writing, reading, and reviewing research articles. This session will discuss both established and emerging features of trustworthy versus problematic research articles, to increase researcher awareness of current issues in publication ethics. The workshop session will also explore how journals identify and respond to image integrity issues in publications, and provide guidance on best practices during figure preparation.

20:00 - 22:30

La Guinguette Tours de Loire **SPECIAL SESSIONS**

FEBS Stands Up for Education: Hot Topics, Music and More

TUESDAY 11th JULY

09:00 - 11:00

Auditorium François 1^{er} **SYMPOSIA**

Protein life cycle III: ribosomes, folding, chaperones

Chair: Ineke Braakman (The Netherlands)

09:00 - 09:30

Folding of ABC-transporter CFTR: a simple story

Ineke Braakman (The Netherlands)

09:30 - 10:00

Chaperoning protein self-assembly and phase transitions

Sarah Perrett (China)

FEBS 2023 | DETAILED PROGRAMME

10:00 - 10:30

Functional and aberrant membrane interactions of a-synuclein

Alfonso De Simone (Italy)

10:30 - 10:45

GSSG at the centre of the protein oxidative folding scene

Sara Notari (Italy)

10:45 - 11:00

Contribution of Heat Shock Protein A2 to the maintenance of human epidermal homeostasis

Dorota Scieglińska (Poland)

09:00 - 11:00

Auditorium Pierre Ronsard **SYMPOSIA**

Innate immune pathogen sensing

Chair: Miguel Soares (Portugal)

09:00 - 09:30

Why do we survive or die from infections?

Miguel Soares (Portugal)

09:30 - 10:00

Regulation and function of CARD-CC / MALT1 signaling in immunity and inflammation

Rudi Beyaert (Belgium)

10:00 - 10:30

Cell-death and innate immunity in the gut

Monica Yabal (Germany)

10:30 - 10:45

Lactobacillus crispatus S-layer proteins modulate innate immune inflammation in the lower female reproductive tract.

Alexiane Decout (United Kingdom)

09:00 - 11:00

Auditorium Descartes **SYMPOSIA**

The exposome and cancer

Chair: Marion MacFarlane (United Kingdom)

09:00 - 09:30

Longitudinal profiling of the molecular features of mesothelioma – a fatal malignancy causally linked to asbestos exposure

Marion MacFarlane (United Kingdom)

09:30 - 10:00

Formaldehyde induced endogenous DNA damage disrupts blood regeneration, nutritional homeostasis and promotes ageing

Ketan Patel (United Kingdom)

10:00 - 10:30

Cell fate decisions upon exposure to ionizing radiation in tumor and normal tissue: Implications for the treatment outcome of cancer radiotherapy

Kirsten Lauber (Germany)

FEBS 2023 | DETAILED PROGRAMME

10:30 - 11:00

Chemical exposome, microenvironment & breast cancer aggressiveness

Coumoul, Xavier (France)

11:00 - 11:30

Daniel Bourdu Area **COFFEE BREAK**

Coffee Break

11:30 - 12:30

Auditorium François 1^{er} **PLENARY LECTURES**

FEBS Special Lecture

Chair: Jerka Dumić (HR)

11:30 - 12:30

The ribosome and the protein folding code of translation

Rodnina, Marina (Germany)

12:35 - 13:00

Auditorium François 1^{er} **SPEED TALKS SESSIONS**

Speed Talks Session G: Emerging technologies for the future; Neurobiochemistry

Chair: Miguel A. De la Rosa (Spain)

12:35 - 12:38

Rewiring innate immune pathways by synthetic biology tools for the development of novel biosensors of microbial activity

Železnik Ramuta, Taja (Slovenia)

12:38 - 12:41

Effect of pre-sowing seed treatment with cold plasma on secondary metabolite biosynthesis in plant: An overview of Stevia rebaudiana Bertonni case

Zukiene, Rasa (Lithuania)

12:41 - 12:44

Pretreatment with a plant-derived phenolic compound confers neuroprotection in a mouse model of neonatal hypoxia-ischemia

Reyes-Corral, Marta (Spain)

12:44 - 12:47

Molecular organisation of the Usher2 complex related to deafness and blindness

Wolff, Nicolas (France)

12:47 - 12:50

Nanoscale outer membrane vesicles from Helicobacter pylori alter astrocyte functionality inducing neuronal degeneration

Leyton, Lisette (Chile)

12:50 - 12:53

Structural dynamics of human AADC: new perspectives for severity prediction in AADC deficiency

Bisello, Giovanni (Italy)

12:35 - 13:00

Auditorium Pierre Ronsard **SPEED TALKS SESSIONS**

Speed Talks Session H: Cell metabolism and stress; Protein life cycle III: Ribosomes, folding, chaperones; Mitochondria in health and disease; Cardiovascular diseases

Chair: Kevin Ryan (United Kingdom)

FEBS 2023 | DETAILED PROGRAMME

12:35 - 12:38

Peroxi-ome – a near-complete compendium of yeast peroxisomal proteins

Peer, Lior (Israel)

12:38 - 12:41

Enhanced ER-mitochondria association and its implications in mitochondrial function, glycogen metabolism and insulin resistance

Theodoulou, Andria (Cyprus)

12:41 - 12:44

Structural characterization of starting codon recognition

Villamayor Belinchón, Laura (Spain)

12:44 - 12:47

Mutant p53 stimulates mitochondrial fragmentation in pancreatic ductal adenocarcinoma (PDAC)

Fiore, Alessandra (Italy)

12:47 - 12:50

Pro-resolving lipid mediator-loaded biomimetic nanoparticles as promising carriers for inflammation resolution in atherosclerosis

Anghelache, Maria (Romania)

12:50 - 12:53

Boosting cholesterol efflux from foam cells by sequential administration of rHDL to deliver microRNA and to remove cholesterol in a triple-cell two-dimensional atherosclerosis model

Jebari-Benslaiman, Shifa (Spain)

12:35 - 13:00

Auditorium Descartes **SPEED TALKS SESSIONS**

Speed Talks Session I: Host-microbial interactions; Supramolecular assemblies III: Metabolons, multienzyme complexes

Chair: Beáta G. Vértessy (Hungary)

12:35 - 12:38

The bacterial pathogen *Shigella flexneri* subverts the human exocyst complex to enhance intercellular spread

Iretton, Keith (New Zealand)

12:38 - 12:41

Pathogenic virus control of host viability at the level of the ribosome exit tunnel

Wu, Xiaofen (France)

12:41 - 12:44

Evolution of a protein fractal

Sendker, Franziska (Germany)

12:44 - 12:47

Probing the mechanism of the peroxiredoxin decamer interaction with its reductase sulfiredoxin from the single molecule to the solution scale

Mazon, Hortense (France)

12:47 - 12:50

L-serine biosynthesis in human brain relies on a multienzymes metabolic assembly: the serinosome

Sacchi, Silvia (Italy)

FEBS 2023 | DETAILED PROGRAMME

12:50 - 12:53

Multiple electron paths associated with *Flavobacterium johnsoniae* respiratory Alternative Complex III
Lorencik, Katarzyna (Poland)

12:53 - 12:56

The cryo-EM structure of a fiber-forming bifunctional single-polypeptide enzyme explains the dual spectra of clinical presentations and of inheritance modes of its genetic disorders.
Rubio, Vicente (Spain)

13:00 - 14:30

Daniel Bourdu Area **LUNCH & POSTER SESSIONS**

Lunch & Poster Presentations

14:30 - 15:30

Auditorium François 1^{er} **PLENARY LECTURES**

FEBS Theodor Bücher Lecture
Chair: Beáta Vértessy (Hungary)

14:30 - 15:30

Systematic Cell Biology - Using high throughput screens to reveal the unknown unknowns
Schuldiner, Maya (Israel)

15:30 - 16:00

Daniel Bourdu Area **COFFEE BREAK**

Coffee Break

16:00 - 18:00

Auditorium François 1^{er} **SYMPOSIA**

Emerging technologies for the future
Chair: Loredano Pollegioni (Italy)

16:00 - 16:30

A field of dreams: synthetic biology towards engineering microbial transformation of lignin
Pollegioni, Loredano (Italy)

16:30 - 17:00

Life beyond the pixels: single-cell analysis using deep learning and image analysis methods
Horvath, Peter (Hungary)

17:00 - 17:30

Use of hyperspectral imaging in biomedical applications
Sarvazyan, Narine (United States of America)

17:30 - 17:45

Mapping LDL receptor hot spot pathogenic residues through integration of predictive software
Larrea, Asier (Spain)

17:45 - 18:00

Profiling affinities across the interactome
GOGL, Gergo (France)

16:00 - 18:00

Auditorium Pierre Ronsard **SYMPOSIA**

Cell metabolism and stress
Chair: Laszlo Nagy (Hungary)

FEBS 2023 | DETAILED PROGRAMME

16:00 - 16:30

Active transcriptional repression by BACH1 as a safeguard mechanism for the functional specificity and diversity of tissue macrophages

Nagy, Laszlo (United States of America)

16:30 - 17:00

Riboregulation of serine hydroxymethyltransferase, a novel mechanism controlling serine metabolism across cellular compartments

Cutruzzolà, Francesca (Italy)

17:00 - 17:30

A multisite phosphorylation system controlling the decision between cell differentiation and proliferation enables multi-input logic gate switching

Loog, Mart (Estonia)

17:30 - 17:45

Non-genomic integrin-mediated action of thyroid hormone on PC-12 cells during hypoxia

Barbakadze, Tamar (Georgia)

17:45 - 18:00

Regulation of the DNA-damage response by phosphorylation clusters in the p53 signaling network

Ingenhaag, Theresa (Germany)

16:00 - 18:00

Auditorium Descartes **SYMPOSIA**

Host-microbial interactions

Chair: Lena Pernas (Germany)

16:00 - 16:30

Organelle and metabolic dynamics of the host-pathogen interaction

Pernas, Lena (Germany)

16:30 - 17:00

Commensal genotoxin tilimycin generates colonic stem cell mutations and drives de novo emergence of antibiotic resistance in mice

Zechner, Ellen (Austria)

17:00 - 17:15

Role of uracil in the antigenic variation and genetic diversity of the malaria parasite Plasmodium falciparum

Izrael, Richard (Hungary)

17:15 - 17:30

Quantifying differential modes of cytosolic access of Mycobacterium tuberculosis to the host cell cytosol

Keck, Camille (France)

20:00 - 23:00

Brasserie de l'Univers **SOCIAL PROGRAM**

Congress dinner

Discover La Brasserie de l'Univers in the heart of Tours, during the Congress dinner. Address : 8 Pl. Jean Jaurès, 37000 Tours. Only with reservation made before May 24th.

FEBS 2023 | DETAILED PROGRAMME

WEDNESDAY 12th JULY

09:00 - 11:00

Auditorium François 1^{er} **SYMPOSIA**

Mitochondria in health and disease

Chair: Agnieszka Chacinska (Poland)

09:00 - 09:30

Mitochondria as regulators of cellular protein homeostasis

Chacinska, Agnieszka (Poland)

09:30 - 10:00

Mitochondrial proteostasis

Rehling, Peter (Germany)

10:00 - 10:30

Mitochondrial biogenesis and turnover in neurodegeneration and ageing

Tavernarakis, Nektarios (Greece)

10:30 - 10:45

Role of mitochondrial DNA depletion in pathogenesis of mitochondrial diseases

Fakhfakh, Faiza (Tunisia)

10:45 - 11:00

Insights to mitochondria-regulated metabolism and mechanotransduction of hepatic cancer cells utilizing liver tumor-derived 3D cell culture system

Frtús, Adam (Czech Republic)

09:00 - 11:00

Auditorium Pierre Ronsard **SYMPOSIA**

RNA biology

Chair: Cornelia De Moor (United Kingdom)

09:00 - 09:30

Poly(A) tail metabolism as a regulator of cell growth and homeostasis

Cornelia De Moor (United Kingdom)

09:30 - 10:00

The opposing roles of the eIF4F and CCR4-NOT complexes in delivering gene expression programs

BUSHELL, MARTIN (United Kingdom)

10:00 - 10:30

A nuclear function for an oncogenic microRNA as a modulator of splicing

El Fatimy, Rachid (Morocco)

10:30 - 10:45

Noncoding RNAs, the next generation of biomarkers and therapeutics for cardiovascular diseases

Jusic, Amela (Switzerland)

10:45 - 11:00

The SARS-CoV-2 protein NSP2 regulates host gene expression by enhancing microRNA-induced translational silencing

Naeli, Parisa (United Kingdom)

FEBS 2023 I DETAILED PROGRAMME

09:00 - 11:00

Auditorium Descartes **SYMPOsia**

Supramolecular assemblies III: metabolons, multienzyme complexes

Chair: Anthony Pedley (United States of America)

09:00 - 09:30

Exploring metabolon formation in purine biosynthesis

Pedley, Anthony M. (United States of America)

09:30 - 10:00

Genome-scale metabolic models reveal targetable vulnerabilities of metastatic colorectal cancer

Cascante, Marta (Spain)

10:00 - 10:30

Biological energy transduction in action - deciphering the molecular mechanism of the remarkable Complex I superfamily

Kaila, Ville R. I. (Sweden)

10:30 - 10:45

Actinobacteria do it differently: surprising features of a mixed PDH/ODH metabolic supercomplex

Bellinzoni, Marco (France)

10:45 - 11:00

Engineering the yeast model *Saccharomyces cerevisiae* as a biofactory platform for optimizing monoterpene indole alkaloids production

Perrot, Thomas (France)

11:00 - 11:30

Daniel Bourdu Area **COFFEE BREAK**

Coffee Break

11:30 - 12:30

Auditorium François 1^{er} **PLENARY LECTURES**

FEBS Open Bio Lecture

Chair: Miguel De la Rosa (Spain)

11:30 - 12:00

Molecular mechanisms underlying neurotransmitter release and its regulation

Rizo, Josep (United States of America)

12:30 - 13:30

Auditorium François 1^{er} **PLENARY LECTURES**

IUBMB Lecture - Closing Plenary Lecture

Chair: Loredano Pollegioni (Italy)

12:30 - 13:30

Turbo-charging synaptic vesicles for explosive release of neurotransmitters

Rothman, James E. (United States of America)

13:30 - 14:00

Auditorium François 1^{er} **PLENARY LECTURES**

CLOSING SESSION



ACS PUBLICATIONS

Contact Person: Martin Sugden

Email: JournalsMarketingTeam@acs.org

Website: <https://pubs.acs.org/>

A division of the American Chemical Society, ACS Publications supports researchers through journals, eBooks, scientific programs, and the news magazine Chemical & Engineering News. With a comprehensive portfolio of 75+ journals, including 12 "gold" completely open access journals, ACS Publications has a home for every variety of research.



ADIPOGEN LIFE SCIENCES

Email: info@adipogen.com

Website: www.adipogen.com

AdipoGen Life Sciences is a Swiss manufacturer of innovative life science reagents. We focus our efforts on specific areas around Inflammation & Immune Responses. These scientific areas include inflammasomes, innate immunity, B & T cells immune regulation, neuroinflammation, obesity, immuno-oncology and COVID-19 research. We manufacture recombinant proteins with enhanced activity, recombinant and monoclonal antibodies, ELISA Kits, and small molecules. Our "animal-component free" production procedures and proprietary technologies allow the production of recombinant proteins for Preclinical Research and Cell Therapy Research. For a comprehensive panel please visit www.adipogen.com.



BCCM/GeneCorner Plasmid Collection – Ghent University

Contact Person: Wouter De Schamphelaire

Telephone: +32 9 33 13 843

Email: wouter.deschamphelaire@ugent.be

Website: <https://bccm.belspo.be/about-GeneCorner>

The BCCM/GeneCorner Plasmid Collection accepts and distributes plasmids from and to scientists worldwide. Funding by the Belgian Science Policy Office allowed BCCM/GeneCorner to evolve into a unique plasmid repository in Europe. Our services:

- Public deposit and distribution of plasmids, host strains and DNA libraries
- Safe and patent deposit of
 - o natural or genetically modified human and animal cell lines, including hybridomas;
 - o plasmids and their microbial hosts
 - o viruses and phages (up to Biosafety Level 2)
- Storage possibility for any kind of biological material that can be stored at -80°C or at -150°C
- Plasmid profiling of non-pathogenic bacterial strains
- Training



CYTEK BIO

Contact Person: Dr Alan Tunnicliffe-Bruens

Telephone: +49 (0) 1511 554 9912

Email: atunnicliffe-bruens@cytekbio.com

Website: www.cytekbio.com

Cytek Biosciences is committed to providing powerful solutions that enable scientists to rapidly and efficiently obtain deep biological insights through high quality, high parametric datasets.

We develop flow cytometers with innovative full spectrum technology that transcends the conventional barriers of low expression and highly overlapping dyes. From panel design, to our unique technology, all the way to the final data visualization, we want to take those hidden biological insights and bring them into full view. Together with our unique flow cytometers, we are proud to offer a high level of service, with a deep level of applications support.



DYNAMIC BIOSENSORS

Contact Person: Katharina Rant (?)

Email: info@dynamic-biosensors.com

Website: www.dynamic-biosensors.com

Dynamic Biosensors provides instruments and consumables for the advanced analysis of biomolecular interactions on biochips and single cells, which enable breakthroughs in drug discovery, life science research, and cell & gene therapies.

Dynamic Biosensors commercializes switchSENSE® and Real-Time Interaction Cytometry (RT-IC) technologies. switchSENSE® is a unique platform technology for the analysis of molecule-molecule interactions. RT-IC is a groundbreaking technology enabling the real-time measurement of molecules binding to membrane targets on cells.

The company is headquartered in Munich, Germany, and runs offices in the United States, the United Kingdom, France, Japan, and Singapore.



ELSEVIER

Contact Person: Bryan Adriaanse

Telephone: +31 5726 4860

Email: b.adriaanse@elsevier.com

Website: <https://www.elsevier.com/authors>

Elsevier is a global leader in information and analytics that helps researchers and healthcare professionals advance science and improve health outcomes for the benefit of society.

Visit our booth to learn more about our biochemistry journals, including Biochimie, and the publishing process.



FEBS – The Federation of European Biochemical Societies

Contact Person: Tom Kingsnorth, FEBS Chief Administrator

Email: kingsnorth@febs.org

Website: www.febs.org

Founded on 1st January 1964, The Federation of European Biochemical Societies (FEBS) has become one of Europe's largest organizations in the molecular life sciences, with over 30,000 members across 39 biochemistry and molecular biology societies (its 'Constituent Societies') in different countries of Europe and neighbouring regions. As a grass-roots organization FEBS thereby provides a voice to a large part of the academic research and teaching community in Europe and beyond.

As a charity, FEBS promotes and supports biochemistry, molecular biology, cell biology, molecular biophysics and related research areas through its journals, Congress, Advanced Courses, Fellowships and other initiatives. There is an emphasis in many programmes on scientific exchange and cooperation between scientists working in different countries, and on promotion of the training of early-career scientists.



HYBRIGENICS

Contact Person: Imenne Boubakour

Telephone: +33 (0) 6 11 73 13 56

Email: services@hybrigenics.com

Website: <https://www.hybrigenics-services.com/>

Hybrigenics Services is a complete solution provider of cutting-edge technologies dedicated to the study of protein interactions and target identification for drugs. We also offer a unique proprietary nanobody selection service.

We help researchers to:

- understand proteins' functions through the elucidation of their interactions,
- characterize a known interaction (by mapping critical domains or amino acids...),
- identify the targets of small molecules of therapeutic interest,
- predict molecules toxicity and possible side effects,
- reposition drugs in new indications,
- obtain validated synthetic single-chain antibodies (nanobodies) against any kind of antigen as tools for many applications.

FEBS 2023 | SPONSORS INFORMATION

GENERAL SPONSOR



IGA Technology Services

Contact Person: Davide Scaglione

Telephone: +39 (0) 43 26 29 760

Email: info@igatechnology.com

Website: www.igatechnology.com

IGATech is, since 2009, an early adopter of cutting-edge NGS technologies and its services have been driven by the continuous research and implementation of new technologies.

The main activity of the company is to design, develop and supply methods in the field of DNA and RNA sequencing for humans, animals, plants and microbes.

The group can count on highly qualified researchers, with great experience on a multitude of technologies and applications, with a vast competence in project management and bioinformatics.

#genetics #epigenetics #transcriptomics #singlecell #biologics #genetherapies #regenerative medicine #agrigenomics #crops #animalproduction #longreadsequencing #shortreadsequencing

GENERAL SPONSOR



Li-Cor Biosciences

Contact Person: Anke Glock

Telephone: +49 617 2171 7756

Email: bio-eu@licor.com

Website: <https://www.licor.com/bio/>

LI-COR Biosciences is a leading biotechnology innovator of imaging systems, analysis software, reagents, and consumables for drug discovery, protein research, and small animal imaging. LI-COR provides complete research solutions for Western blot, targeted therapeutics, and microbiome studies that help scientists solve the challenges facing humanity.

GENERAL SPONSOR



NZYtech

Contact Person: Sophie Pereira

Telephone: +35 192 583 0874

Email: info@nzytech.com

Website: <https://www.nzytech.com/>

NZYTech designs, manufactures, and supplies key reagents, kits and master mixes for life science research and molecular diagnostics. Powered by in-house Research and Development, NZYTech engineers products to aid researchers and clinicians around the world - Serving more than 70 Countries, across 5 Continents. From qPCR Master Mixes and cDNA Synthesis Kits to One-Step RT-qPCR Master Mixes, Key Components for qPCR assays, Bst DNA Polymerases and RNA/ DNA Isolation Kits. NZYTech is a global supplier-of-choice providing IVD kits for SARS-CoV-2 and Respiratory Viruses detection as well as more than 100 qPCR detection kits for Veterinary, Agro Pathogen, Food/Water and Human Pathogen industries searching for molecular research and diagnostic qPCR kits. Committed to the ever-growing field of scientific research, our scientists are deeply engaged in the development of novel products every year. Dedicated to advancing science and being your trusted partner in Life Sciences.

SILVER SPONSOR



PROMEGA

Contact Person: Jennifer Serriere

Telephone: +33 (0) 6 14 68 66 29

Email: FR.support@promega.com

Website: <https://france.promega.com/>

Promega is a worldwide leader in biochemistry, cellular and molecular biology with the development of innovative technologies for the Life Sciences. Based on bioluminescent technology innovations, Promega offers a broad portfolio of functional reporter bioassays, primary cell killing assays and immunoassays, used for R&D or QC batch release of therapeutic antibodies and cell/ gene therapies. With their new bioassay development and qualification services, Promega can help accelerate your biologics drug discovery and development workflow. It include new assay development, modification of existing assays, bioassay optimization and qualification, biologic drug profiling and custom cell manufacturing.

FEBS 2023 | SPONSORS INFORMATION



Proteintech

Contact Person: April Quinn

Telephone: +44 (0) 161 839 3007

Email: april@ptglab.com

Website: www.ptglab.com

Proteintech is a leading manufacturer of antibodies, immunoassays, proteins and Nanobodies.

Proteintech's comprehensive library of original validation data, product-specific protocols, and 180,000+ product citations enables you to publish faster with reproducible results. Overview of the Proteintech product range:

- Antibodies against 13,000+ human targets. Trial size versions available.
- Immunoassay kits
- RUO and GMP grade HumanKine cytokines and growth factors
- ChromoTek Nanobody-based reagents
- Supporting tools and reagents

All products are in stock and available for next day delivery. Proteintech sites are ISO13485 and ISO9001-2015 accredited.



REFEYN

Contact Person: Guillaume Kohen

Telephone: +44 (0) 7511 188320

Email: goran.sokolov@refeyn.com

Website: <https://www.refeyn.com/>

Refeyn pioneers analytical instruments that put molecular mass measurement capabilities within easy reach for scientists. Refeyn's products feature mass photometry – which uses light to weigh individual proteins, nucleic acids, complexes and viruses. Returning intuitive data in minutes, mass photometry provides vital insights for scientific discovery, R&D and therapeutics production. Refeyn's mission is to transform analytical workflows in the life sciences, biopharma and beyond, using the power of light.



SFBBM

Email: sfbbm@sfbbm.fr

Website: <https://www.sfbbm.fr/index.php?lang=fr>

Created in 1914, the SFBBM - Société Française de Biochimie et Biologie Moléculaire - has contributed since then to the spread of knowledge at the interface of biology and chemistry. Biochemistry and molecular biology are both transversal and at the very heart of the understanding of the living mechanisms. As such, they reach a very broad community of biologists. In this context, the SFBBM continues today to be an important vector in the scientific community and, despite its more than 100 years, it has always been able to change and evolve with its time.

The SFBBM is proud to be an active partner in the organization of the 47th FEBS Congress in Tours »



TissueGnostics

Contact Person: Felicitas Mungenast

Telephone: +43 664 83 47 183

Email: felicitas.mungenast@tissuegnostics.com

Website: <https://tissuegnostics.com/>

TissueGnostics provides fully integrated cutting-edge tissue cytometers for (i) whole-slide imaging (brightfield, fluorescence, confocal, multispectral) and (ii) high-end analysis of tissue sections, cultured cells, TMAs, smears, etc. Explore TGs solutions for spatial phenotyping, single cell analysis, molecular single cell profiling, machine-learning-based tissue classification, and many more.



WILEY

Contact Person: Kerry Edwards

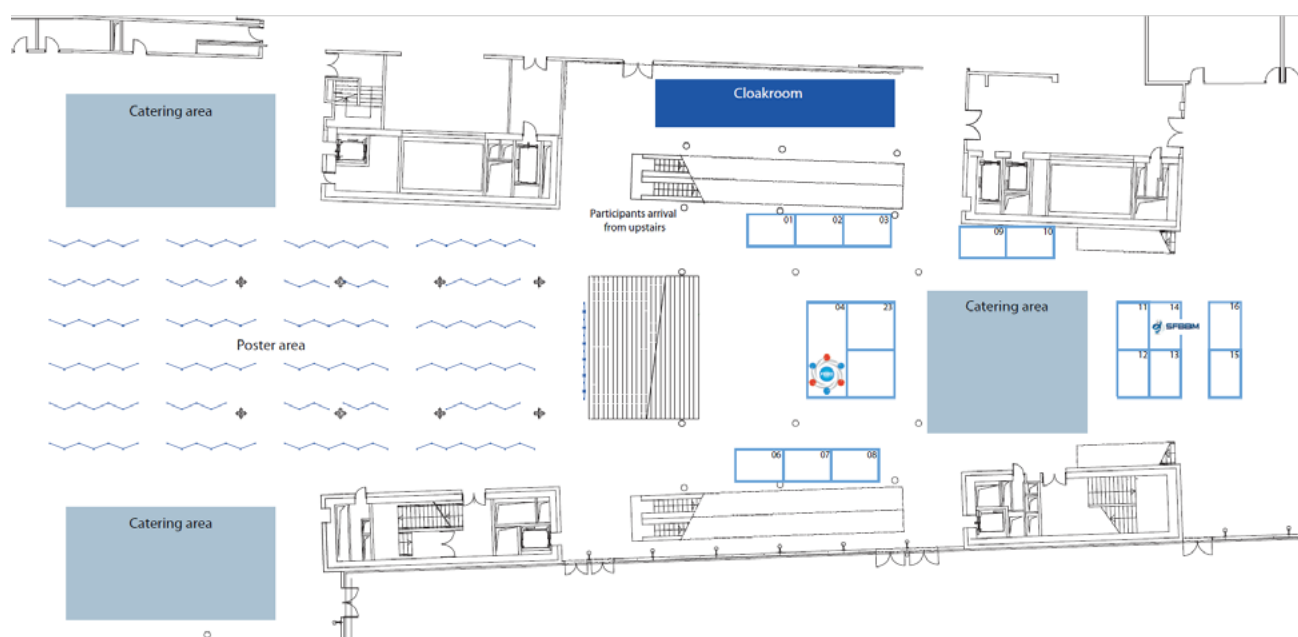
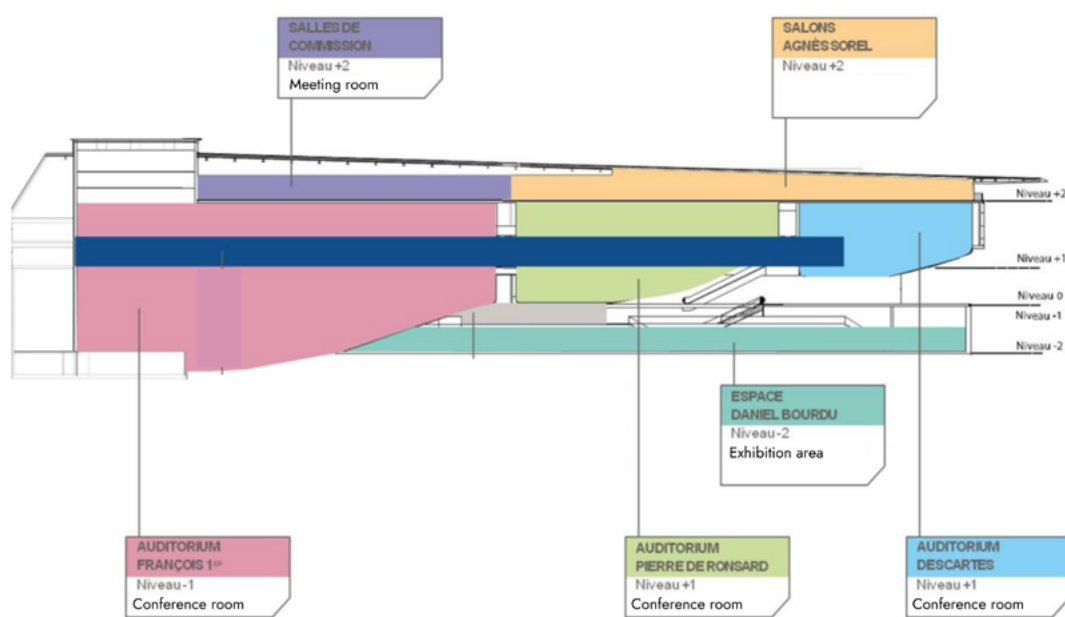
Telephone: (+44) (0)7827303143

Email: kedwards@wiley.com

Website: <http://www.wiley.com>

Today's research, tomorrow's innovation. For over 200 years, we have been unlocking human potential by sharing knowledge around the world and helping new ideas spread. We partner with authors, societies, libraries, and policy makers to publish and enable access to life-changing science. Our mission is to unlock human potential.

FEBS 2023 | FLOORPLANS



EXHIBITORS LIST

1	NZYtech
2	ADIPOGEN LIFE SCIENCES
3	ACS Publications
4	FEBS
6	TissueGnostics
7	BCCM/GeneCorner Plasmid Collection - Ghent University

8	IGA Technology Services
9	LI-COR Biosciences
10	CYTEK BIO
11	PROTEINTECH
12	PROMEGA
13	ELSEVIER

14	SFBBM
15	AIM Group
16	Dynamic Biosensors
23	REFEYN

ATTENDED POSTER SESSIONS

Attended sessions: These are scheduled between 13:30 and 14:30 from Sunday to Tuesday, according to the list of topics by day presented on the app, Congress website and page 45 of this booklet.

Your poster notation is available in the Congress website's registration/abstract system after logging in when you preview your abstract, as well as in the website's search/display abstract facility and in the Congress app.

MOUNTING YOUR POSTER

Posters must be displayed on the day when the relevant attended poster session takes on the board number corresponding to the abstract notation, no later than **8:45** on that day for their poster topic, and they must be removed between 18:00 and 19:00 that day. Sunday posters can be mounted from Saturday. Posters not removed by the stated time will be removed by venue staff and disposed of.

UPLOADING YOUR POSTER TO THE CONGRESS APP

To aid presentation of research work and also networking, poster presenters have been invited to upload a pdf of their poster to the Congress app, and to add an audio description. Full instructions were sent by email. You can also find a summary of how to do this on the Congress app and at the FEBS stand.

For poster prizes information see page 7 of this booklet.

Full poster guidelines can be found on the Congress website, under the Abstracts tab.

**WE LOOK FORWARD
TO WELCOMING YOU
TO MILANO 2024**

48th FEBS

CONGRESS

*Mining Biochemistry
for human health
and well-being*

Federation
of European
Biochemical
Societies

MILANO 29 June - 3 July 2024
Italy | Allianz MiCo - Milano Convention Centre



FEBS 2023 | POSTER TOPICS

POSTER AREA is located on level -1, in the Daniel Bourdu area. (Please see: Floorplans on page 43).

Please find below the list of topics for each poster session:

SUNDAY 9th JULY

Autophagy (SpT-02.1-XX, P-02.1-XX, LB-R-02.1-XX)
Biotech solutions to current problems (SpT-03.1-XX, P-03.1-XX, LB-03.1-XX)
Cancer and ageing (SpT-01.1-XX, P-01.1-XX, LB-R-01.1-XX)
Food and nutrition (SpT-08.3-XX, P-08.3-XX, LB-R-08.3-XX)
Molecular basis of disease (excluding cancer) (SpT-08.5-XX, P-08.5-XX, LB-R-08.5-XX)
Protein life cycle I: localisation, dynamics, functioning (SpT-06.1-XX, P-06.1-XX, LB-R-06.1-XX)
Supramolecular assemblies I: signal transduction (P-07.1-XX, LB-R-07.1-XX)

MONDAY 10th JULY

Cell death, and inflammation (SpT-02.2-XX, P-02.2-XX, LB-R-02.2-XX)
Chemical biology (SpT-03.2-XX, P-03.2-XX, LB-R-03.2-XX)
Gene expression / epigenetics (SpT-04.1-XX, P-04.1-XX, LB-R-04.1-XX)
Immunometabolism in cancer development and therapy (SpT-01.2-XX, P-01.2-XX, LB-R-01.2-XX)
Medicinal biochemistry (SpT-08.2-XX, P-08.2-XX, LB-R-08.2-XX)
Postgraduate teaching/learning (SpT-09.2-XX, P-E-09.2-XX, LB-E-09.2-XX)
Protein life cycle II: degradation (SpT-06.2-XX)
Supramolecular assemblies II: RNA-protein complexes, molecular machines (SpT-07.2-XX, P-07.2-XX)
Undergraduate teaching/learning (SpT-09.1-XX, P-E-09.1-XX, LB-E-09.1-XX)

TUESDAY 11th JULY

Cardiovascular diseases (SpT-08.4-XX, P-08.4-XX, LB-R-08.4-XX)
Cell metabolism and stress (SpT-02.3-XX, P-02.3-XX, LB-R-02.3-XX)
Emerging technologies for the future (SpT-03.4-XX, P-03.4-XX, LB-R-03.4-XX)
Host-microbial interactions (SpT-05.1-XX, P-05.1-XX, LB-R-05.1-XX)
Mitochondria in health and disease (SpT-05.3-XX, P-05.3-XX, LB-R-05.3-XX)
Neurobiochemistry (including neurodegenerative diseases) (SpT-08.1-XX, P-08.1-XX, LB-R-08.1-XX)
Protein life cycle III: ribosomes, folding, chaperones (SpT-06.3-XX, P-06.3-XX)
RNA biology (SpT-04.2-XX, P-04.2-XX, LB-R-04.2-XX)
Supramolecular assemblies III: metabolons, multienzyme complexes (SpT-07.3-XX, P-07.3-XX, LB-R-07.3-XX)
The exposome and cancer (SpT-01.3-XX)

together in bioscience for a better future

8-12
JULY

FEBS 2023

THE 47TH FEBS CONGRESS

TOURS, FRANCE



THANK YOU !

SAVE THE DATE 2024