



FEBS - IUBMB - ENABLE

2nd International Molecular Biosciences PhD and Postdoc Conference



The emerging challenge

Environmental impacts on human health

23-25 November 2023

University of Cologne, Germany



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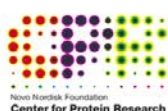


What is FEBS-IUBMB-ENABLE?

The FEBS-IUBMB-ENABLE conference is an international, interdisciplinary 3-day event entirely **organized by and for young researchers** – PhD students and postdocs – from the molecular life sciences disciplines, bringing together up to 300 participants from all over the world.

The FEBS-IUBMB-ENABLE conference series is a joint initiative of the Federation of European Biochemical Societies (**FEBS**), the International Union of Biochemistry and Molecular Biology (**IUBMB**), and four leading biomedical research institutes across Europe: the Institute for Research in Biomedicine – **IRB** (Barcelona, Spain), the Radboud Research Institute for Medical Innovation – **Radboudumc** (Nijmegen, The Netherlands), the Novo Nordisk Foundation Center for Protein Research – **NNF CPR** (Copenhagen, Denmark), and the European School of Molecular Medicine – **SEMM** (Milan, Italy), together with the Institute of Biomedicine of Seville – **IBiS** (Seville, Spain), where the 2022 event was held and the University of Cologne – **UoC** (Cologne, Germany), where the 2023 event takes place.

FEBS-IUBMB-ENABLE aims to promote excellence in molecular life sciences, linking science, career, and communication with the general public. For this purpose, the annual gatherings comprise various parts: a **scientific symposium**, which seeks to explore the latest research and pioneering developments in biomedical research; a wide range of activities focused on employment opportunities during a **career day**, including career chats, workshops, and an opportunity fair; and diverse **outreach activities** to engage with the public thereby giving all stakeholders a voice on biomedical discoveries.



UNIVERSITY
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More about FEBS-IUBMB-ENABLE

FEBS | The Federation of European Biochemical Societies

The Federation of European Biochemical Societies, founded in 1964, is one of Europe's largest organizations in the molecular life sciences. It has over 30,000 members across more than 39 biochemistry and molecular biology societies (its 'Constituent Societies') in different countries of Europe and neighboring regions. FEBS promotes and supports biochemistry, molecular biology, cell biology, molecular biophysics, and related research areas through its journals, annual congress and Young Scientists' Forum, advanced courses, fellowships, and other initiatives, some of them in collaboration with other organizations such as IUBMB.

IUBMB | The International Union of Biochemistry and Molecular Biology

The International Union of Biochemistry and Molecular Biology, founded in 1955, unites biochemists and molecular biologists in 75 countries and regions that belong to the Union as an Adhering Body or Associate Adhering Body represented by a biochemical society, a national research council or an academy of sciences. The IUBMB is devoted to promoting research and education in biochemistry and molecular biology throughout the world and gives particular attention to promoting opportunities for trainees in areas where biomolecular sciences are less developed. It achieves this in several ways: a triennial international congress, focused meetings, workshops, symposia, fellowships, and journals. The IUBMB works closely with the four Regional Organizations that unite the biochemical societies of Asia and Oceania (FAOBMB), Europe (FEBS), the Americas (PABMB), and Africa (FASBMB).

ENABLE | European Academy for Biomedical Science

ENABLE started as an initiative funded by the European Union Horizon 2020 program to promote European excellence in biomedical science with an annual 3-day international event that included a scientific symposium, career development sessions, and outreach activities. ENABLE involved four renowned European research institutes: IRB in Barcelona (Spain), RIMLS in Nijmegen (The Netherlands), NNF CPR in Copenhagen (Denmark), and SEMM in Milan (Italy), as well as an innovative science communication agency (Scienseed). The first four ENABLE conferences took place at each of the partner institutions from 2017 to 2021 (due to the COVID-19 pandemic, the event that should have been held in Milan in 2020 was postponed to May 2021 and was held online).

Now FEBS and IUBMB, who sponsored all the previous ENABLE conferences, have secured the continuity of **FEBS-IUBMB-ENABLE** for 2022-2025, making this **an international event for young scientists from all around the world**.



History of ENABLE

THE EVENT 2022



8 keynote speakers



34 PhD and postdoc volunteers



74 travel grants



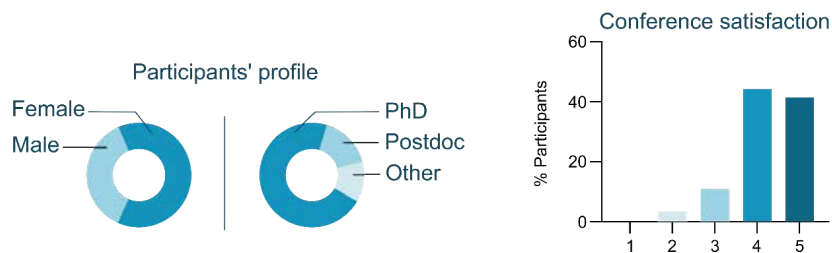
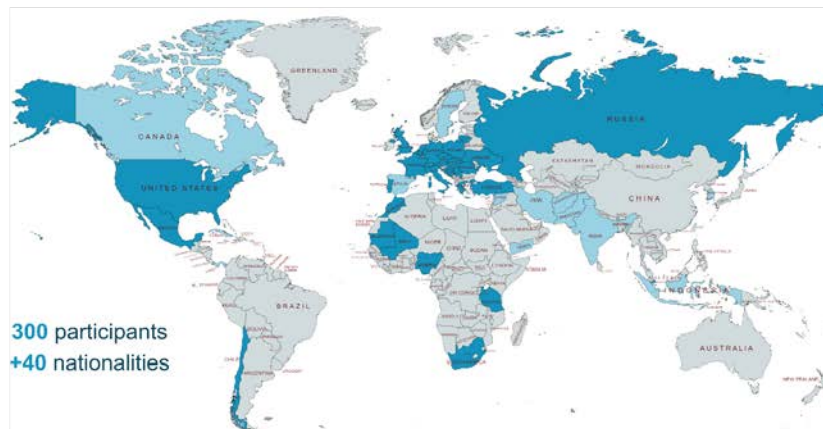
12 companies and institutions at the opportunity fair



11 workshops on professional development



6 career chats



In this new cycle of conferences, FEBS, IUBMB and the four core ENABLE institutions have joined forces to share ENABLE best practices with other international research institutions. To this end, in addition to the four core research centers, **other institutions can apply to become associated centers and host one of the events.** IBiS was selected to be the host institution in 2022 and the University of Cologne in 2023. For the 2024 event, FEBS-IUBMB-ENABLE will be held in Singapore at the Nanyang Technological University (NTU) to ensure that one of the events takes place on another continent.



FEBS-IUBMB-ENABLE 2023 Conference

Key information

Bringing together biomedicine and human health

The theme of FEBS-IUBMB-ENABLE 2023 conference is “**The emerging challenge: environmental impact on human health**”. This conference will bring young scientists together and keep them at the forefront of latest developments in the field of biomedicine and beyond. The conference will highlight the latest discoveries regarding the impact of environmental changes on living systems. Specifically, it will focus on the interplay of the environment with enhanced chronic diseases, increased new infectious diseases and the epigenetic basis of adaptation and responses to environmental change. While exploring a wide range of cutting-edge research techniques, the conference will illustrate the importance of multidisciplinary collaboration among researchers to foster scientific discoveries. It will also feature exciting debates as an opportunity for the scientific community to share knowledge with the general public and stimulate discussion.

Audience

Unlike most other conferences, the program is entirely devised by **young researchers**. The FEBS-IUBMB-ENABLE 2023 audience will include up to 250 PhD students and postdocs, while the outreach activities will engage with local citizens, students, and the scientific community. Keynote lectures will be delivered by international experts, and the opportunity fair will feature industry professionals in the biotechnological and pharmaceutical sectors.

Venue

The University of Cologne (UoC) covers a broad field of disciplines with a strong focus in Life Sciences and has a long history of intense scientific and strategic collaboration that connects basic research to translational medicine. The Faculty of Mathematics and Natural Sciences (FMNS) as well as the Faculty of Medicine (FM) along with the University Hospital Cologne (UHC) have developed a vibrant interdisciplinary Life Science Campus consisting of the Center for Molecular Medicine Cologne (CMMC), the Cologne Excellence Cluster Cellular Stress Responses in Aging-Associated Diseases (CECAD), the Cologne Center for Genomics (CCG), as well as the Max Planck Institutes for Biology of Ageing (MPI-AGE) and Metabolism Research (MPI-MR) along with seven collaborative research centres.



University of Cologne



The organizers

FEBS-IUBMB-ENABLE conferences are **organized by and for young researchers**. The **Scientific Organizing Committee (SOC)** changes members every year and includes two representatives per institution involved, PhDs and postdocs. They are in charge of all the aspects of designing, managing, and executing a successful event and are supported by the **Local Organizing Committee (LOC)** from the host institution.

SOC 2023

UoC: Franziska Baumann (*SOC Chair*) – Ximena Hildebrandt (*SOC Sustainability Chair*)

SEMM: Andrea Mariani (*SOC Vice-Chair*) – Giulia Peticari (*SOC Speakers Chair*)

RUMC: Teodora Grigore (*SOC Communication & Outreach Chair*) – Jonas Gockel

CPR: Katerina Nastou (*SOC Sponsors & Career Day Chair*) – Mikaela Koutrouli

IRB: Luis Rodríguez – Marcos Farina

IBIS: Aida Amador Álvarez – Francisco José Ostos Marcos

FEBS: Marta Reyes Corral

IUBMB: James Murphy

LOC 2023

Elena Heuten (*LOC Scientific Symposium Chair*) – Michaela Höhne (*LOC Communication & Outreach Chair*) – Susanne Steigleder (*LOC Sponsors & Career Day Chair*) – Danae Angelidaki

– Kristie Bariboloka – Sarah Buchholz – Roberta Colapietro – Deborah Delbue da Silva –

Christina Efraimoglou – Adrian Gackstatter – Nourhan Hassan – Schinya Ibrahim – Patrizia

Kroll – Mert Mestanoglu – Julie Mudler – Tim Schlegel – Besarta Thaqi





The coordinators

The SOC and LOC are supported by the coordinators of the participating institutes and the representatives of FEBS and IUBMB.

University of Cologne | UoC

Isabell Witt (Scientific Coordinator GSfBS)

Debora Grosskopf-Kroiher (CMMC Managing Director and Scientific Coordinator)

Kathy Joergens (GSfBS office)

Institute for Research in Biomedicine | IRB

Leyre Caracuel (Academic Coordinator)

European School of Molecular Medicine | SEMM

Francesca Fiore (Graduate Office Coordinator)

Novo Nordisk Foundation Center for Protein Research | NNF CPR

Moreno Papetti (Research Program Coordinator)

Marie Sofie Yoo Tollenaere-Larsen (Research Program Coordinator)

Radboud Research Institute for Medical Innovation | Radboudumc

Clasien Oomen (Scientific Policy Advisor)

Institute of Biomedicine of Seville | IBiS

María Herreras Casado (International Project Manager)

Federation of European Biochemical Societies | FEBS

Irene Díaz Moreno (Prof. University of Seville, Chair of the FEBS Working Group on the Careers of Young Scientists)

Jerka Dumić (Prof. University of Zagreb, Chair of the FEBS Working Group on Integration)

International Union of Biochemistry and Molecular Biology | IUBMB

Ilona Concha Grabinger (Prof. Universidad Austral de Chile, IUBMB Chair for Congresses and Focused Meetings)

Lim Yang Mooi (Prof. Universiti Tunku Abdul Rahman, IUBMB Chair for Education and Training)



General meeting information

Practical information

Badges: We kindly ask you to wear your name badge visibly throughout the meeting and bring them to the gala dinner to enter.

Language: The official language of the event is English.

Conference App: We use the conference App "Whova". You can also check their webversion [here](#), but we recommend downloading the App to stay up to date during the event.

Face masks: They are not mandatory but recommended.

Allergies and dietary requests should be mentioned to the catering personnel during the lunch and coffee breaks.

Posters: please mount them on Thursday 23.11 in the morning and remove them on Friday 24.11 after the second poster session. Poster rolls can be stored at the wardrobe.

Waste: please separate waste - plastic goes in yellow bins and clean paper in blue bins.

Bus transfer to the gala dinner: It will leave after the poster session, please follow the person with a "bus" sign.

Mobile Phone, Photo, Audio and Video policy

Mobile phones must be switched to silent mode or turned off during scientific sessions.

Audio, photo and video recording is strictly prohibited during oral sessions, unless prior permission of the speaker is obtained.

Only the presentation of the keynote speakers will be recorded during the conference.

Audio, photo and video recording referring to or showing poster content can only be taken with the poster presenter's permission.

Official photographers may take informal and formal photos at the event. The Organizers may share such photos at the FEBS Network, FEBS and IUBMB may use such photos in printed and online reports of the event and future event publicity.

Disclaimer

The Organizers have taken all reasonable care in making arrangements. The program is correct at the time of printing, but the Organizers reserve the right to alter the program if necessary.

Certificates of attendance

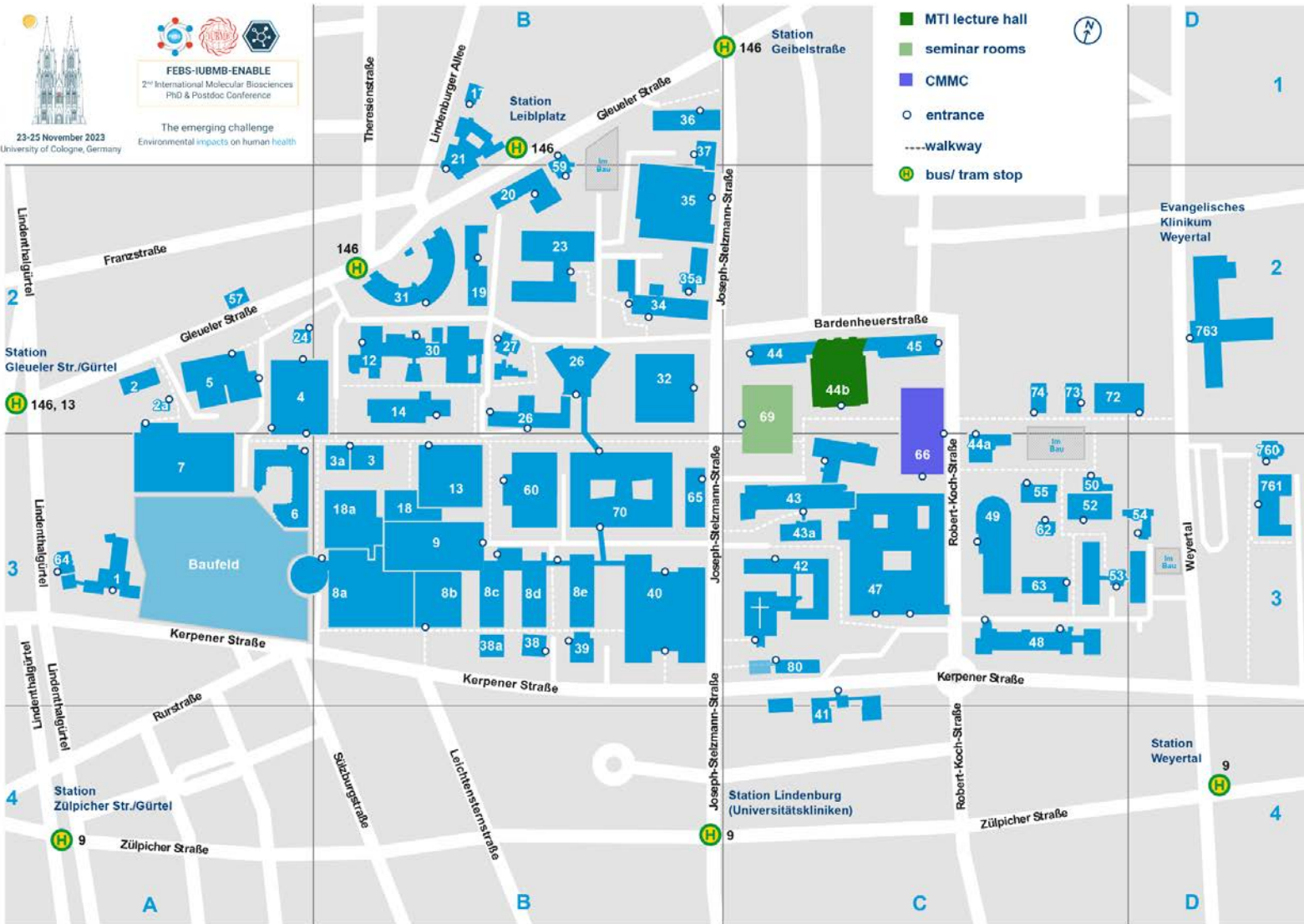
All participants will receive a certificate of attendance after the conference via email after 50% of the participants have filled out the conference evaluation.

Poster and short talk awards

All posters and short talks will be judged by an international judging panel and the selected award winners will be announced on Saturday 25th of November during the closing ceremony.



Map of the conference venue



Main venue: Building 44b MTI lecture hall

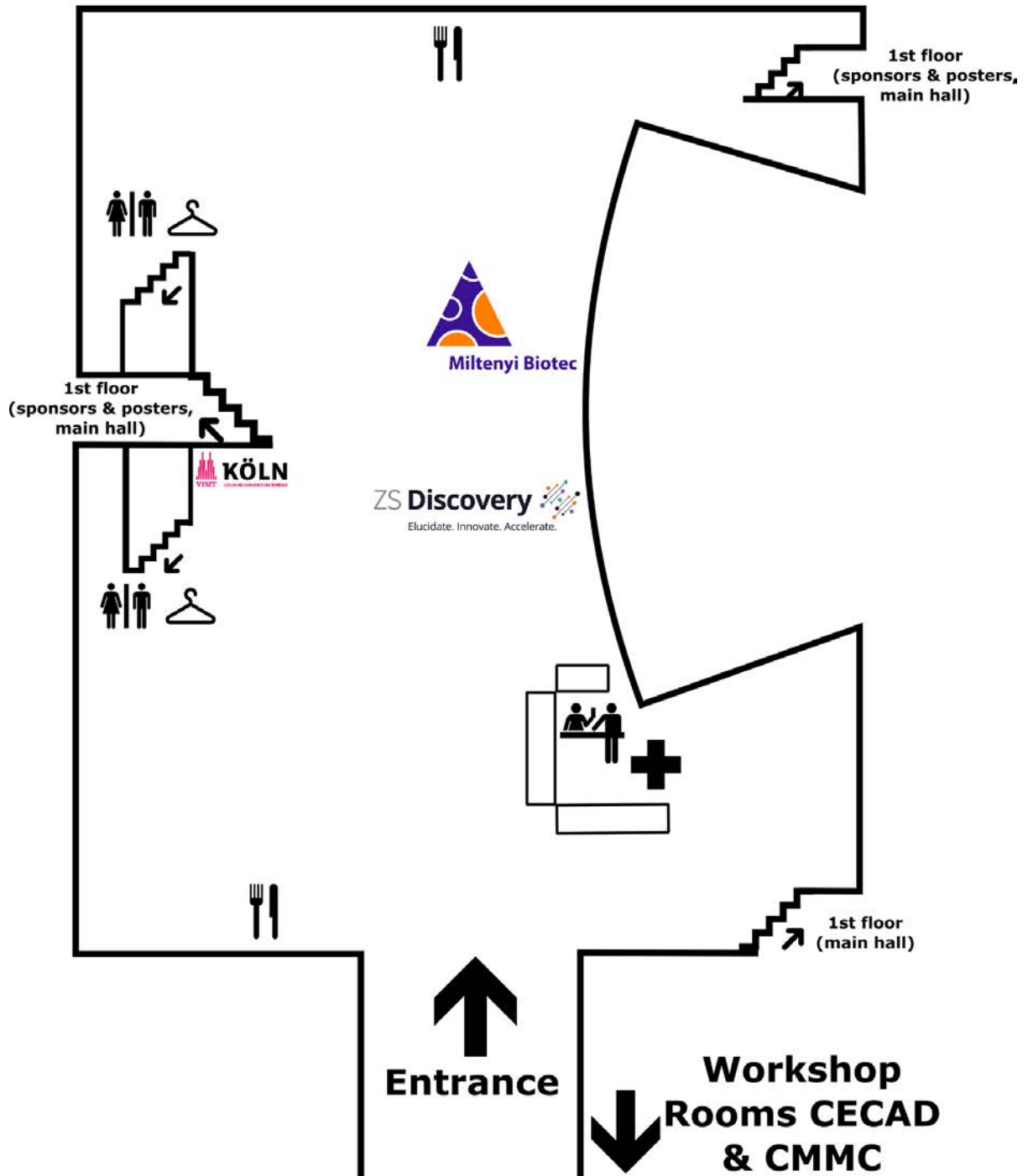
Workshops: Building 44b MTI lecture hall, building 69 CECAD, building 66 CMMC

Quiz night: 22 November, 7 pm building 66 CMMC

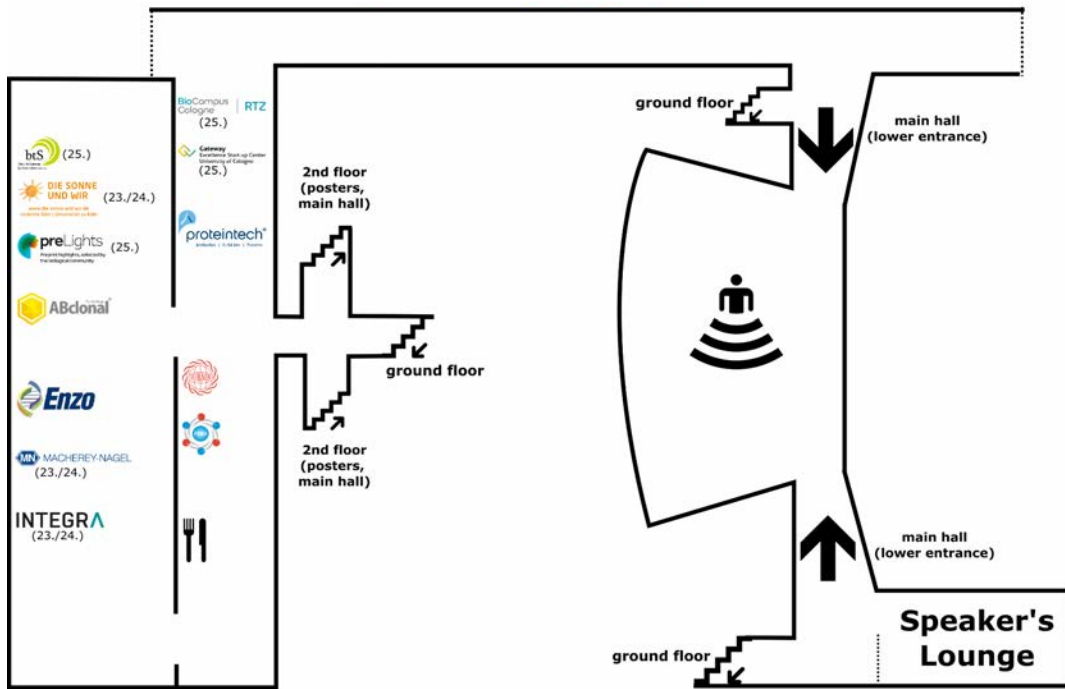
Cologne maps

We want to give you some advice on the multiple things that you can do during your visit to Cologne to enjoy the city. [Cologne Tourism](#) includes many **places to visit, restaurants, and pubs**. Additionally, you can check [KVB](#) to local public transport service for maps, prices and bike sharing.

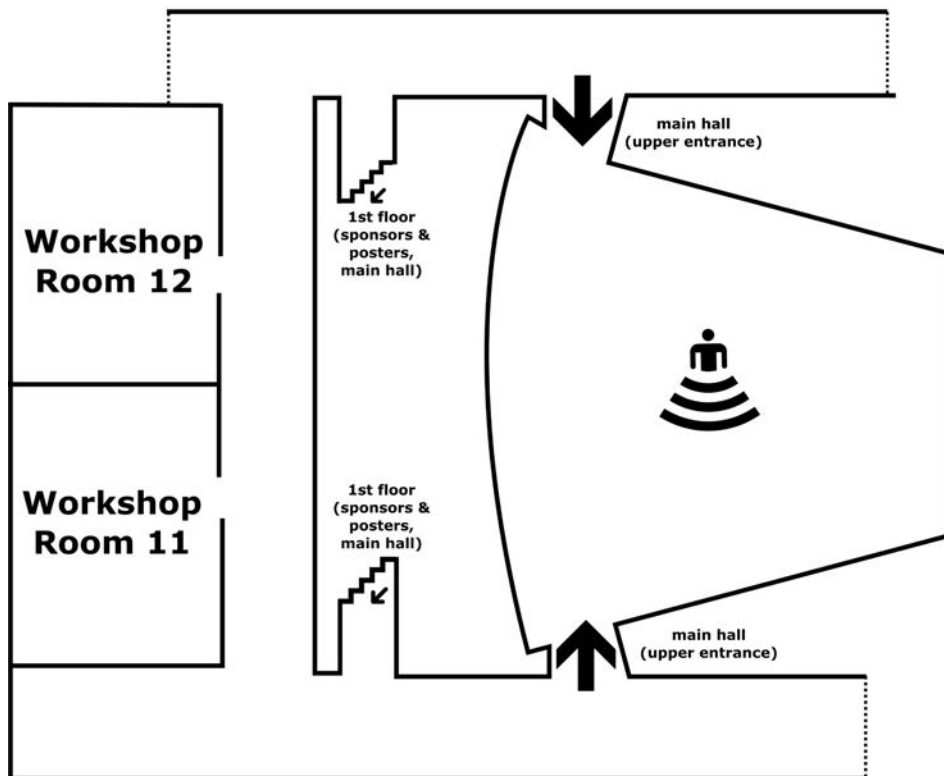
Floor plan MTI building: ground floor



Floor plan MTI building: 1st floor



Floor plan MTI building: 2nd floor







Conference programme

FEBS–IUBMB–ENABLE 2023 Conference

Schedule

		Scientific Symposium		Career Day		
		THURSDAY 23 RD NOVEMBER	FRIDAY 24 TH NOVEMBER	SATURDAY 25 TH NOVEMBER		
MORNING		8.00–8.30: Registration 8.30–9.00: Opening & Official welcome		8.30–9.00 Welcome		
		Computational Biology 9.00–9.45 Keynote: Fernanda Pinheiro		Novel Experimental Model Systems 9.00–9.45 Keynote: Maria Bernabeu		
		9.45–10.00 Selected Flash Talks	10.00–10.30 Selected Short Talks	9.45–10.00 Selected Flash Talks	9.00–11.00 Workshops Opportunity fair	
		COFFEE BREAK				
		11.00–11.45 Keynote: Serena Nik–Zainal		11.00–11.45 Keynote: Solenn Patalano		
		11.45–12.00 Selected Flash Talks	12.00–12.30 Selected Short Talks	11.45–12.00 Selected Flash Talks		12.00–12.30 Selected Short Talks
		LUNCH				
	AFTERNOON		Insights into Complex Diseases 13.30–14.15 Keynote: Pascal Miesen		Epigenetics and Exposome 13.30–14.15 Keynote: Martin Howard	
			14.15–14.30 Selected Flash Talks	14.30–15.00 Selected Short Talks	14.15–14.30 Selected Flash Talks	14.30–15.00 Selected Short Talks
			COFFEE BREAK			
		15.30–16.15 Keynote: Dirk Haller		15.30–16.15 Keynote: David Aylor		
		16.15–16.30 Selected Flash Talks	16.30–17.00 Selected Short Talks	Poster Session II		
		Poster Session I		Gala Dinner		
				11.30–12.30 Opportunity fair Sponsors Rally		
				COFFEE BREAK		
				LUNCH		
				13.30–15.00 Workshops Career chats		
				COFFEE BREAK		
				15.15–16.30 Workshops Career chats		
				16.30–17.30 Closing ceremony & Prizes		



FEBS–IUBMB–enable



Scientific symposium

Wednesday 22/11/2023 - Pre-conference

16:30-17:30. Brewery tour | Brauwelt Cologne (only for pre-registered participants).

📍 Kalker Hauptstrasse 260/262, 51103 Cologne.

19:00-21:00. Lab waste quiz | CMMC Foyer.

📍 Robert-Koch-Straße 21, 50931 Cologne.

This event will take place at the CMMC campus. The LOC created a fun quiz especially for the FEBS-IUBMB-ENABLE conference, and the theme will be focused on research & lab waste. There will be drinks and pizza. Please create a booking for this event [here](#). Attendees can already register and pick up their conference badge.



Thursday 23/11/2023 - Overview

08:00-08:30. REGISTRATION | Lobby, MTI building.

08:30-09:00. OPENING AND OFFICIAL WELCOME | Main Hall, MTI building.

SESSION 1A: COMPUTATIONAL BIOLOGY

09:00-09:45. KEYNOTE SPEAKER | Main Hall, MTI building. Fernanda Pinheiro.

09:45-10:00. FLASH TALKS | Main Hall, MTI building. Indranil Singh, Rukayat Abiola Abdulsalam, Alba Sala, David Farré Gil.

10:00-10:30. SHORT TALKS | Main Hall, MTI building. Macarena López Sánchez, Carmen María Gordillo Vásquez.

10:30-11:30. COFFEE BREAK | Lobby, MTI building.

SESSION 1B: COMPUTATIONAL BIOLOGY

11:00-11:45. KEYNOTE SPEAKER | Main Hall, MTI building. Serena-Nik Zainal.

11:45-12:00. FLASH TALKS | Main Hall, MTI building. Dewei Hu, John Uhomoibhi, Stefano Roncelli.

12:00-12:30. SHORT TALKS | Main Hall, MTI building. Claudia Robens, Víctor Manuel de la Oliva Roque.

12:30-13:30. LUNCH BREAK | Lobby, MTI building.

SESSION 2A: INSIGHTS INTO COMPLEX DISEASES

13:30-14:15. KEYNOTE SPEAKER | Main Hall, MTI building. Pascal Miesen.

14:15-14:30. FLASH TALKS | Main Hall, MTI building. Alain Brice Tueche, Dora Kolic, María Dolores Serrano-Martín, Andrei-Sabin Popa.

14:30-15:00. SHORT TALKS | Main Hall, MTI building. Maria Cocorullo, Dervis Birim.

15:00-15:30. COFFEE BREAK | Lobby, MTI building.

SESSION 2B: INSIGHTS INTO COMPLEX DISEASES

15:30-16:15. KEYNOTE SPEAKER | Main Hall, MTI building. Dirk Haller.

16:15-16:30. FLASH TALKS | Main Hall, MTI building. Marlid García, Hülya Irmak Aksan, Oana-Ana-Maria Mardare, Elena-Mirela Lamba.

16:30-17:00. SHORT TALKS | Main Hall, MTI building. Daniel Láinez-González, Verónica Miguel.

17:00-19:00. POSTER SESSION I (with fingerfood and Kölsch) | Lobby, MTI building.



Thursday 23/11/2023 - Full program

08:00-08:30. REGISTRATION | Lobby, MTI building.

08:30-09:00. OPENING AND OFFICIAL WELCOME | Main Hall, MTI building.

Chairs | Isabell Witt & Debora Grosskopf-Kroiher

- Isabell Witt (Scientific Coordinator of the GSfBS, University of Cologne) and Debora Grosskopf-Kroiher (Managing Director and Scientific Coordinator of the CMMC, University of Cologne)
 - Miguel A. De la Rosa (FEBS Secretary General, Scientific Research Center Isla de la Cartuja CIC, University of Seville & CSIC)
 - Alexandra Newton (IUBMB President, University of California San Diego)
 - Franziska Baumann (SOC2023 Chair, CECAD) and Andrea Mariani (SOC2023 Vice Chair, SEMM)
 - Elena Heuten (LOC Scientific Symposium Chair, Center for Biochemistry), Susanne Steigleder (LOC Career Day Chair, Center for Biochemistry) and Michaela Höhne, (LOC Outreach Chair, CMMC)
 - Claus Cursiefen (Vice Rector for Research, University of Cologne)
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SESSION 1A: COMPUTATIONAL BIOLOGY

Chairs | Teodora Grigore & Ximena Hildebrandt

09:00-09:45. KEYNOTE SPEAKER | Main Hall, MTI building.

Predicting antibiotic resistance evolution. Fernanda Pinheiro (Human Technopole, Milan, Italy).



Dr. Pinheiro obtained her PhD in Physics in Sweden, then transitioned to Computational Biology as a Group Leader in the Computational Biology Research Centre after a postdoc in Germany. Currently, the Pinheiro group focuses on evolutionary dynamics on cell metabolism and ecological resources, and is developing mathematical models and computational methods to investigate how interactions between different bacteria affect antibiotic susceptibility and resistance evolution.



09:45-10:00. **FLASH TALKS** | Main Hall, MTI building.

- FT01** **Uncovering clonal disparities in mouse hematopoietic stem cells through long-term expansion cultures and single-cell transcriptomics.** Indranil Singh (Institute for Research in Biomedicine, Barcelona, Spain)
- FT02** **Experimental and computational validation of south African indigenous essential oils against the therapeutic targets of spoilage organisms of tomato fruits.** Rukayat Abiola Abdulsalam (Durban University of Technology, Durban, South Africa)
- FT03** **Theoretical prediction of nucleosome arrays in yeast.** Alba Sala (Institute for Research in Biomedicine, Barcelona, Spain)
- FT04** **CGeNArate: A Sequence-Dependent Coarse-Grained model of DNA for kb-long duplexes.** David Farré-Gil (Institute for Research in Biomedicine, Barcelona, Spain)

10:00-10:30. **SHORT TALKS** | Main Hall, MTI building.

- ST01** **Differences in Cellular Signaling Pathways Activation by Gender Across Various Cancer Types.** Macarena López-Sánchez (Hospital Virgen del Rocío, Seville, Spain)
- ST02** **Natural variation and cellular morphology patterns in epithelial cysts.** Carmen Gordillo-Vásquez (Universidad de Sevilla, Seville, Spain)

10:30-11:00 **COFFEE BREAK** | Lobby, MTI building.

SESSION 1B: COMPUTATIONAL BIOLOGY

Chairs | Franziska Baumann & Jonas Gockel

11:30-12:15. **KEYNOTE SPEAKER** | Main Hall, MTI building.

DNA graffiti: Utilising the mutagenesis in cancer genomes to understand what contributes to cancer. Serena Nik-Zainal (Department of Medical Genetics, Cambridge, UK).



Serena Nik-Zainal is Professor of Genomic Medicine and Bioinformatics and an NIHR Research Professor at University of Cambridge. She has pioneering expertise in cancer whole genome sequencing bioinformatics and tertiary analytics, with a particular interest in using the totality of genomic data to fully understand cancer biology. Her group develops clinical tools to accelerate the translation of genomic innovations towards patients. Prof. Nik-Zainal is the recipient of the Royal Society Sir Francis Crick Medal and Foulkes Foundation Medal, among many other honors.



11:45-12:00. FLASH TALKS | Main Hall, MTI building.

FT05 SPACE: STRING Proteins As Complementary Embeddings. Dewei Hu (University of Copenhagen, Copenhagen, Denmark)

FT06 CRISPRnet: Deep learning and data-driven CRISPR design for network-based multiplexed targeting. Stefano Roncelli (University of Copenhagen, Copenhagen, Denmark)

12:00-12:30. SHORT TALKS | Main Hall, MTI building.

ST03 Inferring haplotype-specific chromatin contact maps in cancer with Genome Architecture Mapping. Claudia Robens (University Hospital Cologne, University of Cologne, Cologne, Germany)

ST04 A machine learning model for the early prediction of ovarian cancer using real world data. Víctor Manuel de la Oliva Roque (Andalusian Public Foundation Progress and Health-FPS, Seville, Spain)

12:30-13:30. LUNCH BREAK | MTI building, lobby.



SESSION 2A: INSIGHTS INTO COMPLEX DISEASES

13:30-13:32. Welcome on behalf of Cologne Convention Bureau | Feliz Ük (Head of CCB).

Chairs | Andrea Mariani & Luis Rodríguez Escudero

13:32-14:17. KEYNOTE SPEAKER | Main Hall, MTI building.

Molecular determinants of virus transmission by mosquitoes. Pascal Miesen (Department of Medical Microbiology, Radboudumc, Nijmegen, The Netherlands).



Dr. Pascal Miesen is an assistant professor in the Medical Microbiology department at Radboudumc, Netherlands. He was awarded the Westerdijk Award, given by the Royal Dutch Society for Microbiology for the best PhD thesis in the category 'general and molecular microbiology', as well as the prestigious Veni grants. His group's most recent publication is "The Tudor protein Veneno assembles the ping-pong amplification complex that produces viral piRNAs in Aedes mosquitoes".

14:17-14:32. FLASH TALKS | Main Hall, MTI building.

FT07 The polyphenols-enriched *Acacia seyal* fraction inhibits triple negative breast cancer cells through intrinsic apoptosis and prevents DMBA-induced breast cancer in rat. Alain Brice Tueche (University of Yaoundé, Yaoundé, Cameroon)

FT08 Neurotoxic impact of organophosphate pesticides via inhibition of cholinesterase activity. Dora Kolić (Institute for Medical Research and Occupational Health, Zagreb, Croatia)

FT09 Mog1 protein might participate in cell division and Brugada syndrome. María Dolores Serrano-Martín (Instituto de Biomedicina de Valencia (IBV-CSIC), Valencia, Spain)

FT10 Dynamics of the physiological parameters during the prediabetic states of a murine model of diabetes. Andrei-Sabin Popa (Institute of Cellular Biology and Pathology, Bucharest, Romania)

14:32-15:02. SHORT TALKS | Main Hall, MTI building.

ST05 *Mycobacterium abscessus* siderophores biosynthesis as target to inhibit the iron uptake mechanism. Mario Cocorullo (University of Pavia, Pavia, Italy)

ST06 Targeting NLRP1 inflammasome activation by GSK3 β inhibition for neuroprotection. Derviş Birim (Ege University, Izmir, Turkey)

15:02-15:30. COFFEE BREAK | MTI building, lobby.



SESSION 2B: INSIGHTS INTO COMPLEX DISEASES

Chairs | Marcos Fariña-Mosquera & Giulia Peticari

15:30-16:15. KEYNOTE SPEAKER | Main Hall, MTI building.

Unraveling the functional complexity of the human gut microbiome. Dirk Haller (Technical University of Munich, Munich, Germany).



Prof. Dirk Haller obtained his PhD in the field of food microbiology and nutrition science. After working as a visiting researcher in Switzerland and the USA, he joined the Technical University of Munich as a Junior Research Group Leader. Currently, he directs and coordinates a number of international and national research programs. Prof. Haller's research focus is understanding the role of microbe-host interactions and nutrition in the regulation of gut health and chronic disorders. He has received awards for his research from the European Society of Gastroenterology (Distinguished UEG Research Prize), the German Society for Hygiene and Microbiology (DGHM Main Prize) and the Technical University of Munich

(Heinz-Maier-Leibnitz Medal).

16:15-16:30. FLASH TALKS | Main Hall, MTI building.

FT11 Macrophage polarization changes and disturbed lipid metabolism induced by polystyrene nanoplastics. Marlid García (Universitat Autònoma de Barcelona, Barcelona, Spain)

FT12 Circulating miRNAs in differential diagnosis and prognosis of idiopathic granulomatous mastitis and breast cancer. Hülya Irmak Aksan (Haliç University, Istanbul, Turkey)

FT13 Changes induced in murine β -cells by pharmacological UPR activation. Oana-Ana-Maria Mardare (Institute of Cellular Biology and Pathology, Bucharest, Romania)

FT14 Impact of increased dietary glucose intake on β -cells functional heterogeneity. Elena Mirela Lamba (Institute of Cellular Biology and Pathology, Bucharest, Romania)



16:30-17:00. SHORT TALKS | Main Hall, MTI building.

ST07 Updating conventional therapy: new treatments for cell quiescence in acute myeloid leukaemia Daniel Láinez-González (Instituto de Investigación Sanitaria Fundación Jiménez Díaz, Madrid, Spain)

ST08 Metabolic rewiring of epithelial cells and myofibroblasts during kidney fibrosis Verónica Miguel (RWTH Aachen University Hospital, Aachen, Germany)

17:00-19:00. POSTER SESSION I (with fingerfood and Kölsch) | MTI building, lobby.



Friday 24/11/2023 - Overview

8:30-9:00. WELCOME | Main Hall, MTI building.

SESSION 3A: NOVEL EXPERIMENTAL MODEL SYSTEMS

09:00-09:45. KEYNOTE SPEAKER | Main Hall, MTI building. Maria Bernabeu.

09:45-10:00. FLASH TALKS | Main Hall, MTI building. Marta Zaninello, Maria Isabel Álvarez, Melania Lazzari, Marcel Zimmeck.

10:00-10:30. SHORT TALKS | Main Hall, MTI building. Carmela Cela Rodríguez, Amada El-Sabeh.

10:30-11:30. COFFEE BREAK | Lobby, MTI building.

SESSION 3B: NOVEL EXPERIMENTAL MODEL SYSTEMS

11:00-11:45. KEYNOTE SPEAKER | Main Hall, MTI building. Solenn Patalano.

11:45-12:00. FLASH TALKS | Main Hall, MTI building. Christina Efraimoglou, José Daniel Camino, Bayan Kharat, Nur Cengiz Winter.

12:00-12:30. SHORT TALKS | Main Hall, MTI building. Răzvan Ștefan Boiangiu, Abhay Tharmatt.

12:30-13:30. GROUP PICTURE AND LUNCH BREAK | Lobby, MTI building.

SESSION 4A: EPIGENETICS AND EXPOSOME

13:30-14:15. KEYNOTE SPEAKER | Main Hall, MTI building. Martin Howard.

14:15-14:30. FLASH TALKS | Main Hall, MTI building. Meltem Uyaner Kan, Jazib Shafiq, Maria Quintana Verdaguer, Femke van Hout.

14:30-15:00. SHORT TALKS | Main Hall, MTI building. Manuel Lessi, Claudia Bigas.


15:00-15:30. COFFEE BREAK | Lobby, MTI building.

SESSION 4B: EPIGENETICS AND EXPOSOME

15:30-16:15. KEYNOTE SPEAKER | Main Hall, MTI building. David Aylor.

16:15-18:15. POSTER SESSION II | Lobby, MTI building.

19:00. GALA DINNER | Brauwelt.

 Kalker Hauptstraße 260/262, 51103 Köln



Friday 24/11/2023 - Full program

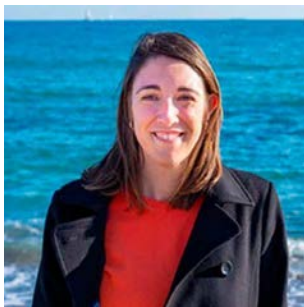
08:30-09:00. WELCOME | Main Hall, MTI building.

SESSION 3A: NOVEL EXPERIMENTAL MODEL SYSTEMS

Chairs | Francisco Ostos Marcos & Katerina Nastou

9:00-9:45. KEYNOTE SPEAKER | Main Hall, MTI building.

A journey to understand malaria pathogenesis. Maria Bernabeu (EMBL Barcelona, Barcelona, Spain).



Maria Bernabeu received her PhD in 2013 from University of Barcelona where she studied the biology and pathogenesis of virus genes of the malaria parasite Plasmodium vivax. She later moved to Seattle Children's Research Institute to study parasite and host determinants of malaria Plasmodium falciparum pathogenesis in collaboration with colleagues in India, Malawi and Tanzania. While in Seattle, she also worked at the Department of Bioengineering at the University of Washington, where she developed models of brain microvessels. She recently joined EMBL Barcelona as a Group Leader and her group focuses on the development of 3D blood-brain barrier models to study cerebral malaria pathogenesis.

09:45-10:00. FLASH TALKS | Main Hall, MTI building.

FT15 The RNA binding protein CLUH maintains mitochondrial proteome in axons by ABCE1-mediated translational surveillance. Marta Zaninello (CECAD, Cologne, Germany)

FT16 Neural stem cells regulate vascular properties in the adult subventricular zone neurogenic niche. Maria Isabel Álvarez (Uniklinikum Bonn, Bonn, Germany)

FT17 Assessment of novel therapeutic treatments in KRAS mutant Colorectal Cancer using Patient-Derived Organoids. Melania Lazzari (Humanitas University, Milano, Italy).

FT18 Trafficking of fluorescently labeled glycoproteins during HSV-1 infection. Marcel Zimmeck (University of Hamburg (UHH), Hamburg, Germany)

10:00-10:30. SHORT TALKS | Main Hall, MTI building.



- ST09 Artificial thymic organoids as a model to study physiopathology of human T cell development.** Carmela Cela Rodríguez (Consejo Superior de Investigaciones Científicas, Madrid, Spain)
- ST10 Transcriptomic study of nicotine catabolism in Paenarthrobacter nicotinovorans ATCC 49919 using long-read direct RNA sequencing.** Amada El-Sabeh (Alexandru Ioan Cuza University, Iași, Romania)

10:30-11:00 **COFFEE BREAK** | Lobby, MTI building.

SESSION 3B: NOVEL EXPERIMENTAL MODEL SYSTEMS

Chairs | Aida Amador Álvarez & Mikaela Koutrouli

11:00-14:45. **KEYNOTE SPEAKER** | Main Hall, MTI building.

Epigenetic Adaptation in Social Insects -Unravelling mechanisms of phenotypic plasticity .
Solenn Patalano (Institute for Fundamental Biomedical Research “Alexander Fleming”, Vari, Greece).



Dr Patalano received her PhD in 2008 at the CRG (Barcelona), focusing on translational control mechanisms in Drosophila. After working in London and as postdoc in Cambridge, she was awarded the H2020 Marie-Sklodowska-Curie Fellowship at the IFBR Institute in Athens, where she currently holds a Junior PI position. Her research group exploits honeybee societies to study the influence of toxic environments in cognitive functions and cellular resilience. Because of their cognitive abilities, honeybees constitute unique biomonitoring species to understand

the complexity and the limitations of the adaptation mechanisms to environmental changes.

11:45-12:00. **FLASH TALKS** | Main Hall, MTI building.

- FT19 Investigating novel regulators of DNA damage-induced apoptosis: A forward genetics approach.** Christina Efraimoglou (CECAD, Cologne, Germany)
- FT20 Structural insights into a-synuclein and tau hetero-aggregates: Cross-seeding as a potential mechanism underlying a-synuclein amyloid spreading.** José Daniel Camino (Forschungszentrum Jülich GmbH, Jülich, Germany)
- FT21 The Drosophila lymph gland as a model for investigating hematopoietic stem cell (HSC) maintenance – Headcase as an example.** Bayan Kharrat (Hun-Res Biological Research Centre, Szeged, Hungary)
- FT22 ERC2 as a novel disease-associated gene for a myasthenia-like phenotype.** Nur Cengiz Winter (Unikinik Köln, Cologne, Germany).



12:00-12:30. SHORT TALKS | Main Hall, MTI building.

ST11 **The biological effects of 6-hydroxy-L-nicotine in various experimental models of dementia: in silico and in vivo study.** Răzvan Ștefan Boianțiu (Alexandru Ioan Cuza University, Iași, Romania)

ST12 **Lipo-polymeric nano-complexes for topical macromolecule delivery.** Abhay Tharmatt (Bits Pilani, Pilani, India)

12:30-13:30. LUNCH BREAK | Lobby, MTI building.



SESSION 4A: EPIGENETICS AND EXPOSOME

Chairs | Franziska Baumann & Andrea Mariani

13:30-14:15. KEYNOTE SPEAKER | Main Hall, MTI building.

How to Measure and Remember a Fluctuating Temperature Signal. Martin Howard (John Innes Centre, Norwich, UK).



Martin Howard originally trained as a theoretical physicist (Dr Phil from Oxford University) and worked as a postdoc in Copenhagen, Vancouver and Leiden on statistical physics. Following the award of a Royal Society University Research Fellowship, Martin moved to the Department of Mathematics, Imperial College London, as a lecturer and then reader. In 2007, he became professor in the Department of Computational and Systems Biology at the John Innes Centre and in 2020 was made an honorary group leader at the Babraham and Gurdon Institutes, Cambridge. In the past he has worked on topics as diverse as cell size control, cell division positioning and metabolic resource allocation. A central focus of his current research is the mechanistic basis of epigenetic memory, fusing simple mathematical models with quantitative experimental data, where he has forged long lasting collaborations with experimental colleagues. He has focused particularly on understanding Polycomb-based switching and memory, but also memory in the context of DNA methylation dynamics. He is also especially interested in the coupling between epigenetic memory systems and the environment, particularly cold temperature.

14:15-14:30. FLASH TALKS | Main Hall, MTI building.

FT23 Effect of toxic light on circadian rhythm and oxidative stress. Meltem Uyaner Kan (Meram Medicine School, Necmettin Erbakan University, Konya, Turkey)

FT24 Antibiotics-induced gut microbiome dysbiosis alters hippocampal serotonin bioavailability and anxiety-like behavior. Jazib Shafiq (International Center for Chemical and Biological Sciences, University of Karachi, Karachi, Pakistan)

FT25 The yeast Hog1 MAPK controls telomere homeostasis during stress adaptive responses. Maria Quintana Verdaguer (Institute for Research in Biomedicine, Barcelona, Spain).

FT26 Transcriptional Regulation in Mosquito Immunity: Insights from Precision Run-On Sequencing (PRO-seq). Femke van Hout (Radboudumc, Nijmegen, The Netherlands).

14:30-15:00. SHORT TALKS | Main Hall, MTI building.

ST13 Unravelling the impact of endocrine disruptors on cortical development through the lens of brain organoids. Manuel Lessi (Human Technopole, Milan, Italy)



ST14 Maternal overnutrition and increased risk of intergenerational liver disease and cancer – Targeting epigenetic mechanisms. Claudia Bigas (Institute for Research in Biomedicine, Barcelona, Spain)

15:30-15:30 COFFEE BREAK | Lobby, MTI building.

SESSION 4B: EPIGENETICS AND EXPOSOME

Chairs | Franziska Baumann & Andrea Mariani

15:30-16:15. KEYNOTE SPEAKER | Main Hall, MTI building.

Early-life TCDD Exposure Shapes Epigenetic Profiles Across the Life-Course. David Aylor (Center for Human Health and the Environment, North Carolina State University, USA).



David Aylor is an Associate Professor of Biological Sciences and Deputy Director of the Center for Human Health and the Environment at NC State University. His research focus is the genetic and molecular mechanisms of susceptibility with an emphasis on complex traits, Gene x Environment (GxE) interactions, and epigenomics. The lab asks how genetic variation governs response to environmental factors, and how genetic and environmental factors alter the molecular states of cells and tissues. Recent work has identified mouse strains susceptible and resistant to male infertility caused by early-life diethylstilbestrol exposure, identified mouse hybrids that are fertile or sterile depending on specific genetic interactions, and characterized epigenomic signatures of dioxin exposure across the life course.

16:15-18:15. POSTER SESSION II | Lobby, MTI building.

19:00. GALA DINNER | Brauwelt Köln

📍 Kalker Hauptstrasse 260/262, 51103 Cologne.





Career day



Saturday 25/11/2023 - Overview

08:30-09:00. WELCOME | Main Hall, MTI building.

09:00-11:00 MORNING WORKSHOP SESSIONS AND OPPORTUNITY FAIR

WORKSHOPS 1-4 | Various locations.

11:00-11:30. COFFEE BREAK | Lobby, MTI building.

11:30 - 12:30. OPPORTUNITY FAIR AND TREASURE HUNT | Lobby, MTI building.

12:30 - 13:30. LUNCH | Lobby, MTI building.

13:30-15:00. AFTERNOON SESSION I

CAREER CHATS | 1st floor Glaskasten, MTI building.

OPPORTUNITY FAIR | Lobby, MTI building.

WORKSHOPS 5 & 6 | Various locations.

15:00-15:15. COFFEE BREAK | Lobby, MTI building.

15:15-16:30. AFTERNOON SESSION II

CAREER CHATS | 1st floor Glaskasten, MTI building.

OPPORTUNITY FAIR | Lobby, MTI building.

WORKSHOPS 7 & 8 | Various locations.

16:30-17:30. CLOSING CEREMONY & PRIZES | Main Hall, MTI building.



Saturday 25/11/2023 - Full program

08:30-09:00. WELCOME | Main Hall, MTI building.

- Irene Diaz-Moreno, FEBS Chair of the Career of Young Scientists Committee, Isla de la Cartuja CIC, University of Seville
 - Susanne Steigleder, LOC Sponsors & Career Day Chair, Center for Biochemistry and Katerina Nastou, SOC Sponsors & Career Day Chair, Center for Protein Research
-

09:00-16:30. OPPORTUNITY FAIR | Lobby, MTI building.

09:00-11:00 MORNING WORKSHOPS

Workshop 1 | 📌 Ground floor, CECAD lecture hall.

Providing evidence for the skills that stay with you. Dr. Jörg Stange (HFP Consulting)

Workshop 2 | 📌 Room 12, 1st floor, MTI building.

Overcome impostor syndrome for success and lower burnout risk. Dr. Michaela Höhne (Elanto Science)

Workshop 3 | 📌 Room 11, 1st floor, MTI building.

Biases in Science. Prof. Dr. Niels Gehring

Workshop 4 | 📌 Seminar room, CMMC.

How to make your lab more sustainable? Tomo Saric, Anna Schmitt and Johanna Stachelscheid

11:00-11:30. COFFEE BREAK | Lobby, MTI building.

11:30 - 12:30. OPPORTUNITY FAIR - TREASURE HUNT | Lobby, MTI building.

12:30-13:30. LUNCH BREAK | Lobby, MTI building.

13:30-15:00. AFTERNOON WORKSHOPS I

Workshop 5 | 📌 Room 11, 1st floor, MTI building.

How to identify and generate robust data? Martin Michel

Workshop 6 | 📌 Room 12, 1st floor, MTI building.

How to successfully publish your work. Valerie Teng-Broug



13:30 - 15:00. CAREER CHATS I | Glaskasten, 1st floor, MTI building.

Career Chat on Consulting | Jörg Stange

Career Chat on Scientific Publishing | Juanita Perera

Career Chat on Science Communication | Anna Euteneuer

Career Chat with a Patent Lawyer | Markus Doll

Career Chat with a Research Associate (Drug Assessment Department, IQWiG) | Jana Göbel

15:00-15:15. COFFEE BREAK | Lobby, MTI building.

15:15-16:30. AFTERNOON WORKSHOPS II

Workshop 7 | 📍 Room 11, 1st floor, MTI building.

Research Canvas - Identify the application potential of your research. Hannah Zimmermann (Gateway Cologne)

Workshop 8 | 📍 Room 12, 1st floor, MTI building.

Skills Canvas - Navigating Career Paths Beyond the PhD. Dr. Isabelle Schiffer (Gateway Cologne)

15:15-16:30. CAREER CHATS II | Glaskasten, 1st floor, MTI building.

Career Chat on Science Communication | Ernesto Llamas

Career Chat with a Clinical Safety Manager | Vlad Averkov

Career Chat with a Senior Scientist in Industry | Sebastian Oehler

Career Chat on an alternative path in scientific publishing | Reinier Prosée

Career Chat with the Chair of FEBS Integration Committee | Jerka Dumić

Career Chat on Consulting | Joshua Kohl

16:30-17:30 PRIZES & CLOSING CEREMONY | Main Hall, MTI building.

Prizes ceremony | **Moderators:** Franziska Baumann and Andrea Mariani (Chair and Vice-Chair of the Scientific Organizing Committee of FEBS-IUBMB-ENABLE 2023).

Closing ceremony | **Moderators:** Franziska Baumann and Andrea Mariani (Chair and Vice-Chair of the Scientific Organizing Committee of FEBS-IUBMB-ENABLE 2023).

Announcement FEBS-IUBMB-ENABLE 2024 Conference | Alvin Chew, SOC2024 Chair, Nanyang Technological University.

Announcement FEBS Junior Section | Alexander Röntgen, Coordinator of FEBS Junior Section.

Announcement FEBS Young Scientists' Forum 2024 and FEBS Congress 2024 | Vlastimil Kulda, Member of FEBS Committee for the Careers of Young Scientists.

Announcement IUBMB Congress 2024 | Prof. Alexandra Newton, IUBMB President, University of California San Diego



Workshops

Workshop 1. Providing evidence for the skills that stay with you - Dr. Jörg Stange (HFP Consulting)

You're done with your academic trajectory and you want to move on to a more translatable field? What are your next steps? Join the 'Providing evidence for the skills that stay with you' to learn what is required from you and how to shape your skillset and CV to show what an asset you are!

Workshop 2. Overcome imposter syndrome for success and lower burnout risk - Dr. Michaela Höhne (Elanto Science)

Are you a PhD candidate or a PostDoc struggling to maintain a healthy work-life balance? Do you often feel stressed and overwhelmed? Do you have a million things on your to-do list? Are you questioning your abilities and worth? Are you feeling stupid or not good enough?

If so, you are not alone. Many academics experience imposter syndrome hindering their success and happiness. I, myself, suffered from it for a long time. And many academics are at risk for developing burnout.

That's why our workshop, 'Overcome Imposter Syndrome for Success and lower burnout risk,' is designed to help you understand where imposter syndrome is coming from and what small steps you can take to handle it. We also talk about burnout, how to recognize it, how it is connected with imposter syndrome, and which preventive measures you can take to build confidence, reduce stress, and improve your overall well-being.

Of course, 2 hours are quite short but you will get tips, tricks, and inspirations to get you started!

Don't let imposter syndrome and burnout hold you back from achieving your goals. Join our workshop and take the first step towards a happier, healthier, and more successful academic journey.



Workshop 3. Biases in Science - Prof. Dr. Niels Gehring

Prof. Gehring's main research focus is the mechanistic understanding of eukaryotic gene expression. However, during the 'Biases in science' workshop, you will learn from one of the top researchers in this field about how to understand and avoid systematic errors, and how to set-up your experiments for success.

Workshop 4. How to make your lab more sustainable? - Tomo Šarić, Anna Schmitt and Johanna Stachelscheid from the Gamma Sustainability Group

The recently founded AG Nachhaltigkeit was initiated by the academic mid-level staff (GAMMA) of the Faculty of Medicine and the University Hospital of Cologne (UKK). As scientists, physicians, teachers and researchers, we want to raise awareness about the consequences of climate change and want to contribute to the implementation of an ecological transformation for the benefit of our society, our patients, ourselves and future generations.

In this workshop, the topic of a "GREEN LAB" will be discussed. Participants will get an example of a "My Green Lab" certification process of one of our labs and we will present the strategies of the AG Nachhaltigkeit on how we want to reach labs with sustainable strategies and tips here on campus. Of course, we will also share some practical examples on how we can all contribute to a more sustainable laboratory environment. Let's join forces to discuss the topic of sustainability in the lab!

Workshop 5. How to successfully publish your work? - Valerie Teng Broug

One of the most important steps in your scientific career is publishing your results. Valerie Teng-Broug, Publisher with Elsevier since 1995, will offer a workshop on how to successfully publish your work. Topics which will be covered include: structuring your paper correctly, finding the right journal(s) for your research, bibliometrics, making your research stand out and ethical conduct.

Workshop 6. How to identify and generate robust data? - Prof. Dr. Martin Michel

More than 50% of published data in the experimental life sciences cannot be reproduced. Join Prof. Michel's workshop on how to identify and generate robust data, where the main topics will be on key underlying causes, how risks can be spotted in published articles and how they can be minimised in your own research.



Workshop 7. Research Canvas - Identify the application potential of your research - Hannah Zimmermann (Gateway Cologne)

What is the application potential of your own research? In this workshop, you will reflect about user groups and the network of stakeholders that surround you and your research. Why could they benefit from your research? Brainstorm potential use cases and help each other to take your ideas to the next level.

Workshop Goals:

- Reflection about the potential of one's own research topic/idea
- Assessing potential through identifying users/stakeholders
- Applying the Research Canvas to your own research
- Get creative brainstorming potential use cases for your research topic/idea
- Developing or extending potential use cases based on one's research & network

Workshop 8. Skills Canvas - Navigating Career Paths Beyond the PhD - Dr. Isabelle Schiffer (Gateway Cologne)

Are you a PhD student contemplating your future career path? Join us for an informative workshop designed to help you explore the possibilities beyond academia. In this two-hour session, we will address key questions such as: What do I want to do next? How do I identify my passion and unique skillset? We will also discuss the importance of extracurricular work and networking during your PhD journey, as well as effective communication of your skills in your CV and job interviews.

In this workshop you will:

- Identify your skills and passion and how you can use them to find your career path
- Get hands-on tips on career building (CV, LinkedIn)
- You will leave this workshop with 3 concrete next steps which will help you with your next career step



Career Chat Mentors

EARLY SESSION

Career Chat 1: Dr. Anna Euteneuer (Social Media / Online Editor at the University of Cologne).

Career Chat 2: Dr. Jana Göbel (Research Associate (Drug Assessment Department, IQWiG)).

Career Chat 3: Dr. Jörg Stange (Social Media / Online Editor at the University of Cologne).

Career Chat 4: Juanita Perera (Editor at FEBS Letters).

Career Chat 5: Dr. Markus Doll (Patent Attorney).

LATE SESSION

Career Chat 6: Dr. Ernesto Llamas (Creator of 'Sketching Science' and Researcher).

Career Chat 7: Dr. Joshua Kohl (Project Manager R&D Bayer Business Consulting).

Career Chat 8: Dr. Vlad Averkov (Safety manager at BioNTech).

Career Chat 9: Dr. Reinier Prosée (preLights Community Manager).

Career Chat 10: Dr. Sebastian Oehler (Senior Scientist Philochem AG).

Career Chat 11: Prof. Dr. Jerka Dumić (Chair of FEBS Integration Committee).



Opportunity Fair

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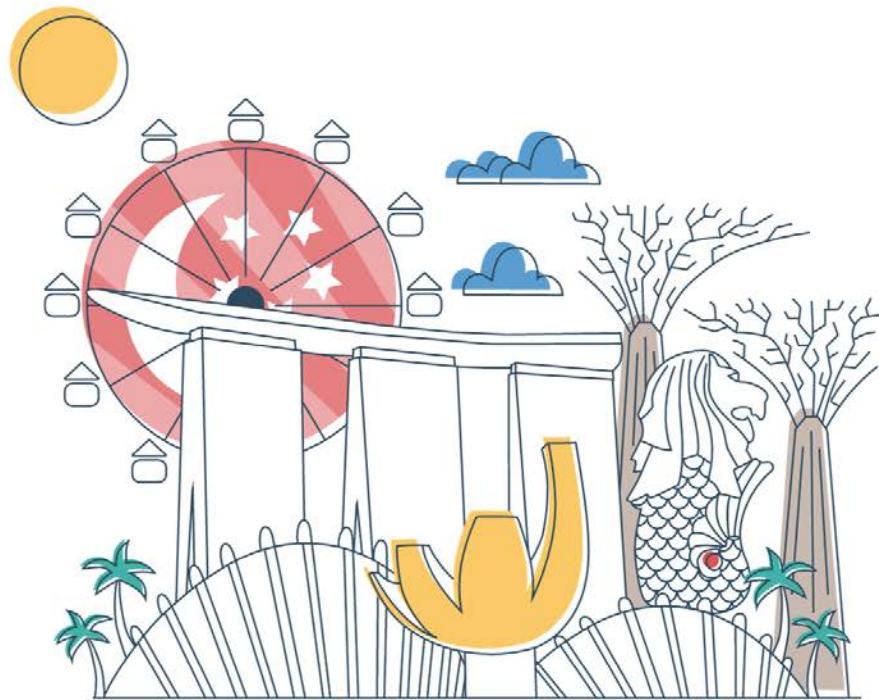


FEBS activities



FEBS-IUBMB-ENABLE Conference

3rd International Molecular Biosciences
PhD and Postdoc Conference
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ARTIFICIAL INTELLIGENCE

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Stay tuned for updates!

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**Our website will be updated with more information about the
upcoming conference soon. Stay tuned!**



The 48th FEBS Congress (FEBS 2023) and the 23rd FEBS YSF (YSF 2023)

THE 48th FEBS CONGRESS (FEBS 2024)

The 48th FEBS Congress (FEBS 2024) will be held in Milan, Italy, from 29 June–3 July 2024, under the slogan 'Mining biochemistry for human health and well-being'. The event is hosted by the Italian Society of Biochemistry and Molecular Biology (SIB), and the journals of FEBS are also closely involved in the development of the scientific programme.

The annual FEBS Congress is one of the largest bio-congresses in Europe, attracting up to 2000 attendees. It provides a platform for international scientific exchange and showcases the newest developments in biochemistry, molecular biology and related areas. The Congress comprises plenary lectures presented by outstanding scientists, a range of subject-specific symposia, extensive poster communications, workshops and other activities. It is also a celebration of achievements, with several FEBS medals and prizes awarded. The Congress abstracts (except late-breaking abstracts) are published in supplements of *FEBS Open Bio*.

FEBS supports participation of many young scientists in its annual Congress through the FEBS Congress Bursaries scheme. Visit the Congress website at 2024.febscongress.org for more information. **Registration and abstract submission is now open!**

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Federation of European Biochemical Societies

MILAN 29 June - 3 July 2024
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THE 23rd FEBS YOUNG SCIENTISTS' FORUM (YSF 2024)



The 23rd FEBS Young Scientists' Forum (YSF 2024) will be held 26–29 June 2024 just before and in conjunction with the 48th FEBS Congress (29 June–3 July), in Pavia, Italy. The meeting will bring together around 100 selected young researchers in biochemistry and molecular biology, who will also attend the congress. Attendance at the YSF and the ensuing FEBS Congress is funded by FEBS YSF awards.

For many years, FEBS has funded a Young Scientists' Forum immediately before its annual congress to promote interactions between pre- and post-doctoral scientists of the FEBS Constituent Societies. The YSF 2024 will start on 26 June with an inspiring opening lecture and a welcome dinner. Over the next three days, participants will be able to present their research as oral presentations and/or posters, attend talks from keynote speakers, take part in career sessions, and enjoy a social programme. There will be plenty of opportunities for participants to make new international connections and get to know each other. The YSF will close on 29 June, when participants will transfer to the FEBS Congress.

Application to the YSF 2024 is open to PhD students and postdocs from countries where there is a FEBS Constituent Society. Additionally, IUBMB will be supporting the participation of two young researchers from non-FEBS countries. Find more details, including the full eligibility criteria, in the YSF section of the Congress website at 2024.febscongress.org. **The application deadline to the YSF 2024 is 7 December 2023.**





Other FEBS Activities

FEBS FELLOWSHIPS

FEBS offers a range of fellowships for students and early-stage researchers in the molecular life sciences in the FEBS area. They support successful applicants to move to and carry out a period of research in a lab in a different FEBS country, arranged by the applicant. They are generally for students or early-career scientists and for visits up to 2 or 3 months, but with some variation depending on the Fellowship type. There are currently four Fellowships schemes with different eligibility criteria. FEBS Short-Term Fellowships are for scientists who have obtained their PhD degree within the past 6 years, and PhD students who have at least one published paper as a main author in an international scientific journal. FEBS Summer Fellowships are for Master's and PhD students. In addition, students or early/mid-career scientists in certain disadvantaged FEBS countries may be eligible for FEBS Collaborative Developmental Scholarships, while Ukrainian Short-Term Fellowships, introduced in 2022, are for PhD holders in or displaced from Ukraine. FEBS Summer Fellowships have an application deadline of 1st May each year, but applications for the other Fellowship types can be submitted through the online application system throughout the year. Visit febs.org for more information.

FEBS ADVANCED COURSES AND YOUTH TRAVEL FUND

FEBS Advanced Courses are lecture courses, workshops, practical courses, and special meetings, on focused topics in biochemistry, molecular biology and related disciplines, organized by experts in the subject area with funding from FEBS. They cover the latest updates on research and have a strong educational element, which makes them especially useful to PhD students and postdocs. Early-career scientists can apply to the organizers for FEBS Youth Travel Fund grants to attend the events. Visit the [FEBS website](https://febs.org) for the calendar of Advanced Courses 2024 and for details on eligibility for the travel grants.

FEBS NETWORK

The FEBS Network is an online platform for students and researchers in the molecular life sciences to share information and career support. From expert opinion to activities organized by students, the FEBS Network fosters the FEBS community online. Visit network.febs.org for more information.

FEBS JUNIOR SECTION

Students and young researchers from some of the FEBS Constituent Societies have come together to form the FEBS Junior Section, a network of young scientists in the molecular life sciences across Europe. Their objectives are to collaborate, increase mobility and encourage other young scientists to join their initiative. Visit the [FEBS Junior Section Room](https://febs.org) on FEBS Network for more information.



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