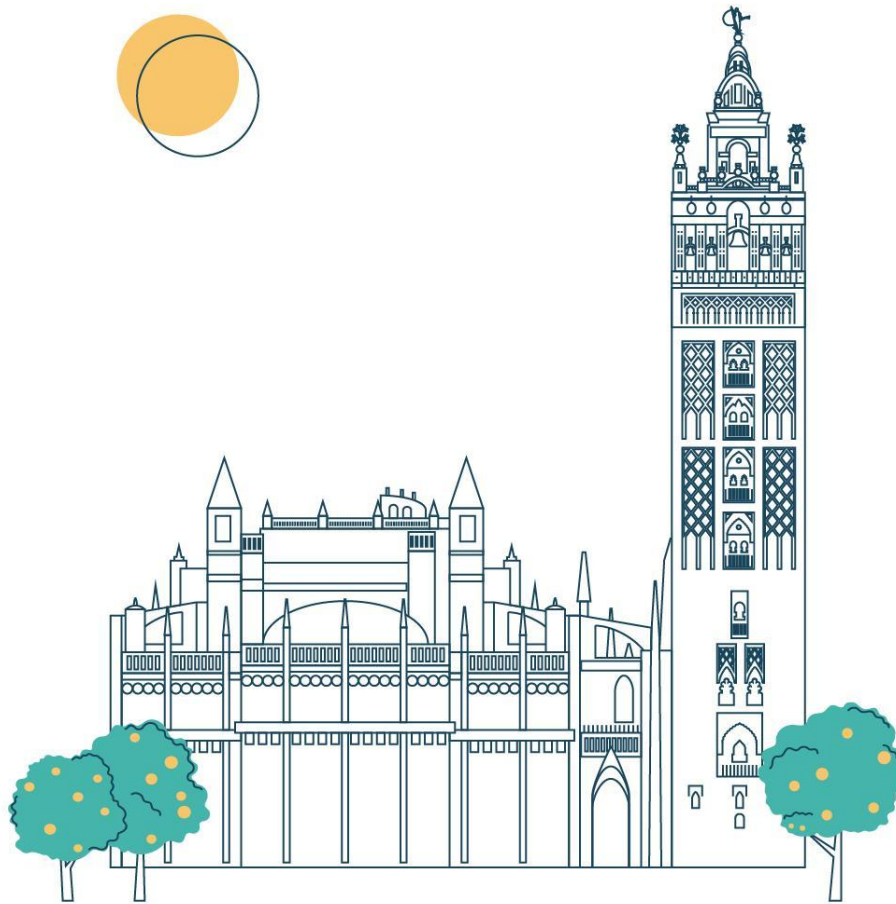




FEBS - IUBMB - ENABLE

1st International Molecular Biosciences PhD and Postdoc Conference



The perfect tandem

How technology expands the frontiers of biomedicine

16-18 November 2022

The Institute of Biomedicine of Seville, Spain



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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 Institute for Molecular Life Sciences - **RIMLS** (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 will be held.

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.



Institute for Molecular Life Sciences
Radboudumc





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 35,000 members across more than 35 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**.

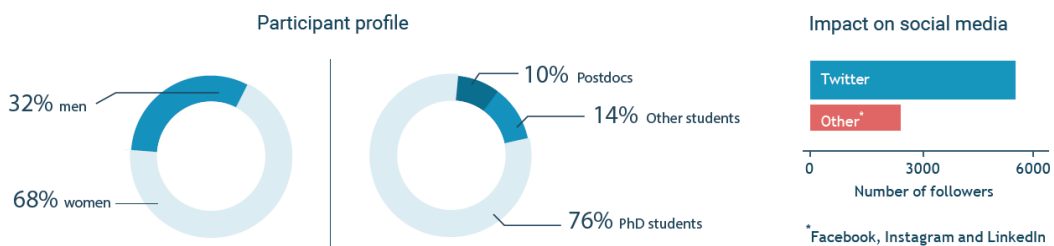
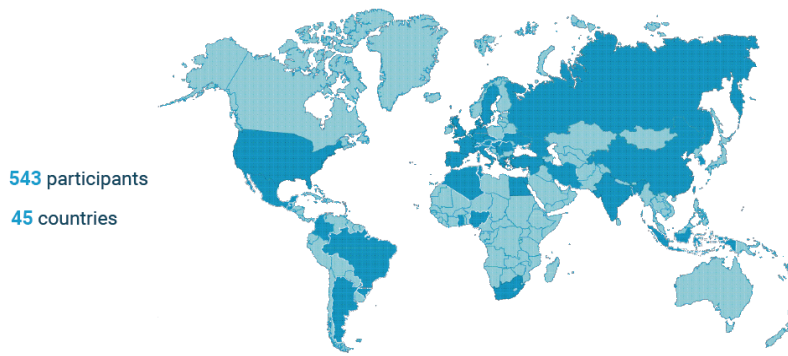


History of ENABLE

THE EVENTS 2019 & 2021



THE AUDIENCE 2019 & 2021



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 a non-European country to ensure that one of the events takes place on another continent.



FEBS-IUBMB-ENABLE 2022 Conference

Key information

Bringing together biomedicine and technology

Technological innovation has promoted a remarkable development in understanding physiological and pathological states, fostering biomedical research. The theme of FEBS-IUBMB-ENABLE 2022 conference is **The perfect tandem: How technology expands the frontiers of biomedicine**. This conference aims to comprehensively address various aspects of biomedical research, providing fascinating examples of newly developed technologies. The conference will highlight the latest discoveries in fields such as neurobiology, oncology, immunology, personalized medicine, or computational biology. 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 2022 audience will include up to 300 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 **Institute of Biomedicine of Seville (IBiS)** –Seville, Spain– was created in 2006 as a multidisciplinary biomedical research center within the complex that houses Virgen del Rocío University Hospital, a center of high-level care, education, and research. IBiS main objective is to undertake competitive research at an international level on the causes of the most prevalent pathologies in the population, and to develop new methods for their diagnosis and treatment. IBiS is based on fundamental research at the molecular and cellular level with a view to promote the rapid transfer of knowledge to the clinical setting, at the same time improving the quality of clinical and epidemiological research.



Virgen del Rocío Hospital Campus and IBiS

IBiS
INSTITUTO DE BIOMEDICINA DE SEVILLA



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 2022

IBIS: Marta Reyes Corral (*SOC Chair*) – Marina Esteban Medina.
RIMLS: Maren Pfirrmann (*SOC Vice-Chair*) – Javier Botey Bataller.
SEMM: Erica Gasparotto – Martina Pezzali.
CPR: Charu Jain – Rosa Lundbye Allesøe.
IRB: Olga Roman – Camilla Bertani.
FEBS: Vlastimil Kulda.
IUBMB: Daniel Dries.

LOC 2022

Aida Amador Álvarez – Francisco José Calero Castro – David Carneros Trujillo – Cynthia Clemente González – Hildegard Colino Lage – Laura Contreras Bernal – Patricia de la Cruz Ojeda – Carmen Del Río Mercado – Sara Fontalva Ostio – Vanesa Garrido Rodriguez – Monica González Moreno – Carmen Maria Gordillo Vázquez – Esperanza Lisha Granado de la Calle – Antonio Jurado Gómez-Alférez – Maria Isabel Lara Chica – Macarena López Sánchez – Marta Martín Bórnez – Sara Martín Villanueva – Emilio Martínez Márquez – Esperanza Muñoz Muela – Alberto Pérez Gómez – Eduardo Ponce España – Diana Rubio Contreras – Antonio Jesús Tagua Jáñez.



Scientific Organizing Committee (SOC) 2022



IBiS Local Organizing Committee (LOC) 2022



The coordinators

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

Institute of Biomedicine of Seville | IBiS

Maria Herreras Casado (International Project Manager)

María D. Giraldez (Physician Scientist at IBiS/Virgen del Rocío University Hospital)

Institute for Research in Biomedicine | IRB

Leyre Caracuel (Academic Coordinator)

Olivia Tort (International Project Manager)

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 Institute for Molecular Life Sciences | RIMLS

Clasien Oomen (Scientific policy advisor)

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 issues

Badges: We kindly ask you to wear your name badge visibly throughout the meeting.

Language: The official language of the event is English.

Face masks: We would like to remind you that the use of face masks to cover mouth and nose is mandatory at the hospital campus and in public transport.

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

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 SOC Chair 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.


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 Friday 18th of November during the closing ceremony.



Map of the conference venue



- 1 General Hospital / *Hospital General*
- 2 **Hospital Patio** / *Patio del Hospital*
- 3 Transfusion, Tissue and Cells Center / *Centro de Transfusión, Tejido y Células*
- 4 **Government Building** / *Edificio de Gobierno*
- 5 Center of Diagnosis and Treatment / *Centro de Diagnóstico y Tratamiento*
- 6 Laboratory Building / *Edificio de Laboratorios*
- 7 Centre of Pathological Anatomy / *Centro de Anatomía Patológica*
- 8 **Institute of Biomedicine of Seville (IBiS)** / *Instituto de Biomedicina de Sevilla (IBiS)*
-  Ilundain Cafe and Restaurant / *Cafetería Ilundain*

Interactive maps

We want to give you some advice on the multiple things that you can do during your visit to Seville to enjoy the city. This [map](#) includes many **places to visit, restaurants, and pubs**. Additionally, in this other [map](#) you will find **public transport** stations (bus, train and public bikes) near the conference venue as well as other locations of interest for the outreach activities and the gala dinner.



Conference programme

		Scientific Symposium		Career Day
TUESDAY 15 TH NOVEMBER		WEDNESDAY 16 TH NOVEMBER	THURSDAY 17 TH NOVEMBER	FRIDAY 18 TH NOVEMBER
	MORNING	7.30-8.15 Registration 8.15-9.00 Opening & Official welcome	8.30-9.00 Welcome	8.30-9.00 Welcome
		<i>Innovation 1</i>	<i>Computational biology and artificial intelligence 2</i>	9.00-9.50 <i>Round table: transferable skills for alternative careers in science</i>
		9.00-9.45 Keynote: Matteo Iannaccone	9.00-9.45 Keynote: Joaquín Dopazo Blázquez	
		9.45-10.30 José David Celdrán López Anna Georgina Kopasz Viktória Gross	9.45-10.30 Daniel Martín Terezie Pániková Aikaterini Despoina Nastou	9.50-10.00 Presentation of career day
		COFFEE BREAK & POSTER SESSION		COFFEE BREAK & JOB FAIR
		<i>Computational biology and artificial intelligence 1</i>	<i>Clinical and translational biomedicine 2</i>	
		11.30-12.15 Keynote: Elena Papaleo	11.30-12.15 Keynote: Laura Cancedda	11.00-13.00 Workshops Career chats Opportunity fair
		12.15-13.00 Katerina-Marina Pilala John Omo-Osagie Uhomobhi David Cano-González	12.15-13.00 Catarina Pimpão Cosmin Trif Francisco José Román Rodríguez	
		LUNCH		LUNCH & JOB FAIR
		<i>Basic research 1</i>	<i>Basic research 2</i>	
		14.30-15.15 Keynote: José López-Barneo	14.30-15.15 Keynote: Daphne Cabianca	15.00-17.00 Workshops Career chats Opportunity fair
		15.15-16.00 Barbora Smolková Luis Flores Horgue Nora Hase	15.15-16.00 Ana-Maria Pantazica Oskar Ciesielski Carmen Torres Granados	
	COFFEE BREAK & POSTER SESSION		17.00-17.45 Closing ceremony & Prizes	
	<i>Clinical and translational biomedicine 1</i>	<i>Innovation 2</i>		
	17.00-17.45 Keynote: Fathia Mami-Chouaib	17.00-17.45 Keynote: César de la Fuente		
	17.45-18.30 Mariano Molina Thuy Nguyen Sikozile Ncembu	17.45-18.30 <i>Round table: open science</i>		
	Pub Talks	Gala Dinner		
Registration and social activities				



Scientific symposium



Tuesday 15/11/2022

16:00-18:00. REGISTRATION | “Casa de la Ciencia” (Science Museum).

📍 Avda de María Luisa s/n, 41013.

18:00-20:00. WELCOME CITY TOUR | From “Casa de la Ciencia” to City Center.

📍 Avda de María Luisa s/n, 41013.

We have organized a touristic visit of the most famous and important monuments of the city, including Plaza de España, Real Fábrica de Tabacos (Royal Tobacco Factory), Catedral (the Cathedral), or Archivo General de Indias, among other possibilities. The tour will end with a free guided visit inside the Real Alcázar (Royal Palace of Seville), which is one of the most impressive monuments of the city, and a wonderful heritage of its Islamic past. The tour will start at the “Casa de la Ciencia”, after the first registration, and then move towards the city center.

From 20:00. SOCIAL NIGHT | “Sra. Pop” and “Viriato” pubs, Alameda.

📍 Calle Amor de Dios 55, 41002 | Calle Madre María de la Purísima 7, 41003.

Before the congress formally begins on Wednesday morning, we want to give the participants the opportunity to get to know each other and be able to establish links before getting to the scientific activities. For that, after the welcome city tour we will offer several social activities (Social Bingo and Scientific Taboo Game Night) in two nice bars in “Alameda”, one of the main nightlife areas in the city center, well known for its bars and pubs. The activities will take place at the bars “Sra. Pop” and “Viriato”. See locations in this interactive [map](#).



Wednesday 16/11/2022 - Overview

7:30-8:15. REGISTRATION | Entrance hall, Edificio de Gobierno.

8:15-9:00. OPENING AND OFFICIAL WELCOME | Auditorium, Edificio de Gobierno.

SESSION: INNOVATION-1

9:00-9:45. KEYNOTE SPEAKER | Auditorium, Edificio de Gobierno. Matteo Iannacone.

9:45-10:30. SHORT TALKS | Auditorium, Edificio de Gobierno. José David Celdrán López, Anna Georgina Kopasz, Viktoria Gross.

10:30-11:30. POSTER SESSION-1 | Patio, Hospital Building.

COFFEE BREAK | Cafetería Ilundain.

SESSION: COMPUTATIONAL BIOLOGY AND ARTIFICIAL INTELLIGENCE-1

11:30-12:15. KEYNOTE SPEAKER | Auditorium, Edificio de Gobierno. Elena Papaleo.

12:15-13:00. SHORT TALKS | Auditorium, Edificio de Gobierno. Katerina-Marina Pilala, John Omo-Osagie Uhomobhi, David Cano González.

13:00-14:30. LUNCH BREAK | Cafetería Ilundain.

SESSION: BASIC RESEARCH-1

14:30-15:15. KEYNOTE SPEAKER | Auditorium, Edificio de Gobierno. José López Barneo.

15:15-16:00. SHORT TALKS | Auditorium, Edificio de Gobierno. Barbora Smolková, Luis Flores Horgue, Nora Hase.

16:00-17:00. POSTER SESSION-2 | Patio, Hospital Building.

COFFEE BREAK | Cafetería Ilundain.

SESSION: CLINICAL AND TRANSLATIONAL BIOMEDICINE-1

17:00-17:45. KEYNOTE SPEAKER | Auditorium, Edificio de Gobierno. Fathia Mami-Chouaïb.

17:45-18:30. SHORT TALKS | Auditorium, Edificio de Gobierno. Mariano Molina, Thuy Nguyen, Sikozile Ncembu.

20:00-21:30. SCIENCE IN THE PUBS NIGHT | Cafetería Ilundain.



Wednesday 16/11/2022 - Full program

7:30-8:15. REGISTRATION | Entrance hall, Edificio de Gobierno.

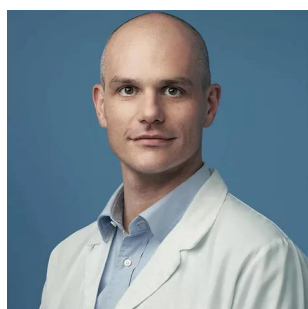
8:15-9:00. OPENING AND OFFICIAL WELCOME | Auditorium, Edificio de Gobierno.

- Marta Reyes Corral (Chair of the Scientific Organizing Committee of FEBS-IUBMB-ENABLE 2022).
 - Rafael Fernández Chacón (Director of the Institute of Biomedicine of Seville).
 - Miguel Ángel de la Rosa (FEBS Secretary General - Elect).
 - Daniel Dries (Chair of the IUBMB Fellowships Committee).
 - Juan Antonio Caballero Carretero (Director of the Research Secretariat of the University of Seville).
 - Gonzalo Balbontín Casillas (Managing Director of Fundación Progreso y Salud).
 - Ignacio Jiménez López (Acting Medical Director of Virgen del Rocío University Hospital).
-

SESSION: INNOVATION-1

9:00-9:45. KEYNOTE SPEAKER | Auditorium, Edificio de Gobierno.

Immune responses to hepatitis B virus and to SARS-CoV-2. Matteo Iannacone (San Raffaele Scientific Institute, Milan, Italy).



Prof. Iannacone's work combines cutting-edge in vivo imaging techniques and advanced animal models. He has made fundamental contributions to our understanding of the immune response and viral-induced immunopathology and holds 11 international patents. He has received numerous awards, including the Armenise-Harvard Foundation Career Development Award, the EMBO Young Investigator Award or the ERC Consolidator Grant, among others.

9:45-10:30. SHORT TALKS | Auditorium, Edificio de Gobierno.

ST01 Cellular photosensitization of CNS cells by non-viral vectors for future application in optogenetic neuroprostheses. José David Celdrán López (University Miguel Hernández, Elche, Spain).

ST02 A versatile transposon-based platform to generate gene expression modifications in the mouse liver. Anna Georgina Kopasz (Biological Research Centre, Institute of Genetics, Szeged, Hungary).



ST03 An integrative approach to characterize the two sides of enzyme-mediated antibiotic escape: resistance and tolerance. Viktoriia Gross (Institut Pasteur, Paris, France).

10:30-11:30. POSTER SESSION-1 | Patio, Hospital Building.

COFFEE BREAK | Cafetería Ilundain.

SESSION: COMPUTATIONAL BIOLOGY AND ARTIFICIAL INTELLIGENCE-1

11:30-12:15. KEYNOTE SPEAKER | Auditorium, Edificio de Gobierno.

Integrating bioinformatics and experiment to study disease-related alterations. Elena Papaleo (Technical University of Denmark, Copenhagen, Denmark).



Prof. Papaleo's work focuses mostly on computational biology applied to cancer research. Her projects are carried out in structural biology, biomolecular modeling and simulations, biological network analyses, and integrative-omics analyses. She has authored more than 100 scientific publications as main or senior author and she is Academic Editor of PLOS One and Frontiers in Molecular Biosciences.

12:15-13:00. SHORT TALKS | Auditorium, Edificio de Gobierno.

ST04 MIR145 core promoter methylation imprinting mediated miR-143/145 cluster's modulation in bladder cancer progression. Katerina-Marina Pilala (National and Kapodistrian University of Athens, Athens, Greece).

ST05 Verbascoside and its derivatives as potential SARS-CoV-2 INHIBITORS: an in-silico study. John Omo-Osagie Uhomobhi (Durban University of Technology, Durban, South Africa).

ST06 SCIENCE OUTREACH | Death by pseudoscience: the dangers of science misinformation and how to fight it. David Cano González (Institute of Biomedicine of Seville/Hospital Universitario Virgen del Rocío/CSIC/Universidad de Sevilla, Seville, Spain).

13:00-14:30. LUNCH BREAK | Cafetería Ilundain.



SESSION: BASIC RESEARCH-1

14:30-15:15. KEYNOTE SPEAKER | Auditorium, Edificio de Gobierno.

Acute oxygen sensing by arterial chemoreceptors. José López Barneo (Institute of Biomedicine of Seville, Seville, Spain).



Prof. López-Barneo's work focuses on three main research areas. The first is based on the mechanisms of acute oxygen sensing by the carotid body arterial chemoreceptors and cells in other organs. The second area is focused on cell therapy and understanding the mechanism of cell death in Parkinson's disease, using transgenic and knockout mouse models. The last area of his research is based on the study of the role of calcium channels as metabotropic mediators in vascular contractility. He is a member of the Academia Europaea and the European Molecular Biology Organization (EMBO). He has received numerous awards and was the president of the Spanish Society for Neuroscience and the former director of the Institute of Biomedicine of Seville.

15:15-16:00. SHORT TALKS | Auditorium, Edificio de Gobierno.

ST07 The interaction of DNA nanostructures with hepatic cells. Barbora Smolková (Institute of Physics of the Czech Academy of Sciences, Prague, Czech Republic).

ST08 Transcriptional adaptation of olfactory sensory neurons to GPCR identity and activity. Luis Flores Horgue (University of Geneva, Geneva, Switzerland).

ST09 The role of APOBEC3C in renal cell carcinoma. Nora Hase (Martin Luther University, Halle, Germany).

16:00-17:00. POSTER SESSION-2 | Patio, Hospital Building.

COFFEE BREAK | Cafetería Ilundain.



SESSION: CLINICAL AND TRANSLATIONAL BIOMEDICINE-1

17:00-17:45. KEYNOTE SPEAKER | Auditorium, Edificio de Gobierno.

Relevance of CD8 T cells in oncoimmunology. Fathia Mami-Chouaïb (INSERM, Gustave Roussy Institute, Villejuif, France).



Prof. Mami-Chouaïb obtained a PhD in immunology from the Pasteur Institute in Paris in 1984. After a 3-year post-doctoral training at NIH, Bethesda, USA, she was recruited to INSERM to continue her research at Gustave Roussy Institute. During her career, she was initially interested in murine B lymphocytes and then human T lymphocytes and their receptors. Since 1996, she has directed her research toward tumor immunology and immunotherapy. She has contributed to the identification of tumor-associated antigens in lung cancer that are recognized by cytotoxic T lymphocytes (CTL) and has helped elucidate the mechanisms involved in optimizing the anti-tumor CTL response.

17:45-18:30. SHORT TALKS | Auditorium, Edificio de Gobierno.

ST10 Temporal composition of the cervicovaginal microbiome correlates with high-risk HPV infection outcomes: a longitudinal cohort study. Mariano Molina (Radboud University, Nijmegen, The Netherlands).

ST11 Pharmacoprotection of the ovaries during chemotherapy using microRNAs technology by gold nanoparticles delivery. Thuy Nguyen (Université Libre de Bruxelles, Wavre, Belgium).

ST12 CD-64 directed recombinant single-chain antibody fusion protein exhibits cytotoxicity and is a tool for site-specific diagnosis of acute myeloid leukaemia. Sikozile Ncembu (University of Cape Town, Cape Town, South Africa).

20:00-21:30. SCIENCE IN THE PUBS NIGHT | Cafetería Ilundain.

Many of the participants will not get the chance of presenting a short talk during the congress, not for quality reasons, but for logistical reasons. In order to give these people a chance to present their research in a lighter and friendlier atmosphere, we have organized scientific pub talks in which ten of the young scientists from the conference will be able to present their research in three minutes, with two more minutes for questions. This way, the participants of the congress can enjoy some more scientific research while enjoying a drink and a relaxed conversation at the same time.



Thursday 17/11/2022 - Overview

8:30-9:00. WELCOME | Entrance hall, Edificio de Gobierno.

SESSION: COMPUTATIONAL BIOLOGY AND ARTIFICIAL INTELLIGENCE-2

9:00-9:45. KEYNOTE SPEAKER | Auditorium, Edificio de Gobierno. Joaquín Dopazo Blázquez.

9:45-10:30. SHORT TALKS | Auditorium, Edificio de Gobierno. Daniel Martín, Terezie Páníková, Aikaterini Despoina Nastou.

10:30-11:30. POSTER SESSION-3 | Patio, Hospital Building.

COFFEE BREAK | Cafetería Ilundain.

SESSION: CLINICAL AND TRANSLATIONAL BIOMEDICINE-2

11:30-12:15. KEYNOTE SPEAKER | Auditorium, Edificio de Gobierno. Laura Cancedda.

12:15-13:00. SHORT TALKS | Auditorium, Edificio de Gobierno. Catarina Pimpão, Cosmin Trif, Francisco José Román Rodríguez.

13:00-14:30. LUNCH BREAK | Cafetería Ilundain.

SESSION: BASIC RESEARCH-2

14:30-15:15. KEYNOTE SPEAKER | Auditorium, Edificio de Gobierno. Daphne Cabianca.

15:15-16:00. SHORT TALKS | Auditorium, Edificio de Gobierno. Ana-Maria Pantazica, Oskar Ciesielski, Carmen Torres Granados.

16:00-17:00. POSTER SESSION-4 | Patio, Hospital Building.

COFFEE BREAK | Cafetería Ilundain.

SESSION: INNOVATION-2

17:00-17:45. KEYNOTE SPEAKER | Auditorium, Edificio de Gobierno. César de la Fuente.

17:45-18:30. ROUND TABLE ON OPEN SCIENCE | Auditorium, Edificio de Gobierno.

20:30. GALA DINNER | Restaurante Muelle 21.

📍 Avda Santiago Montoto s/n, Edificio Acuario de Sevilla, 41012.



Thursday 17/11/2022 - Full program

8:30-9:00. WELCOME | Entrance hall, Edificio de Gobierno.

SESSION: COMPUTATIONAL BIOLOGY AND ARTIFICIAL INTELLIGENCE-2

9:00-9:45. KEYNOTE SPEAKER | Auditorium, Edificio de Gobierno.

Massive drug repurposing in rare diseases with a little help of Artificial Intelligence and Big Data. Joaquín Dopazo Blázquez (Fundación Progreso y Salud & The Institute of Biomedicine of Seville, Seville, Spain).



Dr. Dopazo is the director of the Platform of Computational Medicine at the Progress and Health Foundation from the Andalusian Health System. He has a degree in Chemistry and a PhD in Biology. He has led bioinformatics and data science departments in different academic institutions (CIPF in Valencia and CNIO in Madrid) and companies (Glaxo Wellcome in Madrid). Dr. Dopazo's interests revolve around functional genomics, systems biology as well as development of new algorithms and software for the analysis of high-throughput genomic data and electronic health record data and its application to personalized and precision medicine and drug discovery, making intensive use of mathematical modeling and artificial intelligence.

9:45-10:30. SHORT TALKS | Auditorium, Edificio de Gobierno.

ST13 Design, fabrication and testing of a new electrode setup for electrical stimulation of cell cultures. Daniel Martín (Universidad de Sevilla, Seville, Spain).

ST14 Finding a receptor isoform selective and thermally stable insulin analogue for a better life comfort of diabetic patients. Terezie Páníková (Institute of Organic Chemistry and Biochemistry of the Czech Academy of Sciences, Prague, Czech Republic).

ST15 Improving dictionary-based named entity recognition with deep learning. Aikaterini Despoina Nastou (Novo Nordisk Foundation Center for Protein Research, Copenhagen, Denmark).

10:30-11:30. POSTER SESSION-3 | Patio, Hospital Building.

COFFEE BREAK | Cafetería Ilundain.



SESSION: CLINICAL AND TRANSLATIONAL BIOMEDICINE-2

11:30-12:15. **KEYNOTE SPEAKER** | Auditorium, Edificio de Gobierno.

Treating neurodevelopmental disorders: The road is long & winding but biomedical research/technology can help. Laura Cancedda (Italian Institute of Technology, Genoa, Italy).



Dr. Cancedda's work focuses on understanding the role of external factors in developing neurons. Specifically, she combines techniques to investigate complex aspects such as migration or morphological maturation and explore novel drug targets derived from the findings. Her recent publications highlight the role of NKCC1 in neurophysiology and the applications of selective inhibitors to target brain diseases. Dr. Cancedda was awarded the ERC consolidator grant (2016) and the Young Researcher Award (2016), among other honors.

12:15-13:00. **SHORT TALKS** | Auditorium, Edificio de Gobierno.

ST16 Investigating the role of aquaporins as transceptors in cancer. Catarina Pimpão (Universidade de Lisboa, Lisbon, Portugal).

ST17 Identification and Characterisation of Novel Free Fatty Acid Receptor 1 Modulators. Cosmin Trif (Institute of Biochemistry of the Romanian Academy, Bucharest, Romania).

ST18 SCIENCE OUTREACH | Journey to the center of the cell. Francisco José Román Rodríguez (Rocket Pharmaceuticals Inc., Cranbury, New Jersey, USA).

13:00-14:30. **LUNCH BREAK** | Cafetería Ilundain.



SESSION: BASIC RESEARCH-2

14:30-15:15. KEYNOTE SPEAKER | Auditorium, Edificio de Gobierno.

Organizing the nucleus: Principles of spatial genome architecture by developmental and environmental cues. Daphne Cagianca (Institute of Functional Epigenetics, Munich, Germany).



*In her research studies, Dr. Cagianca's uses the nematode *C. elegans* to study chromatin organization in cell differentiation. She is mainly interested in understanding how environmental stress and nutrient availability affect chromatin state, spatial compartmentalization and function. In April 2020, she joined the Institute of Functional Epigenetics of HMGU as a junior group leader. She has received many honors and awards, amongst them Marie Curie Intra European Fellowship (2015-2016), EMBO Long Term Fellowship (2014), and Nicolò Copernico Award (2012).*

15:15-16:00. SHORT TALKS | Auditorium, Edificio de Gobierno.

ST19 Novel chimeric Hepatitis B S/preS1 antigen induces efficient cellular and humoral immune response and production of virus-neutralising antibodies. Ana-Maria Pantazica (Institute of Biochemistry of the Romanian Academy, Bucharest, Romania).

ST20 A study of the relationship between histone citrullination and methylation in human microvascular endothelial cells. Oskar Ciesielski (University of Lodz, Lodz, Poland).

ST21 New players involved in the development of obesity and associated metabolic comorbidities: role of let-7b-5p and miR-191-5p. Carmen Torres Granados (Maimonides Institute for Biomedical Research of Córdoba, Córdoba, Spain).

16:00-17:00. POSTER SESSION-4 | Patio, Hospital Building.

COFFEE BREAK | Cafetería Ilundain.



SESSION: INNOVATION-2

17:00-17:45. KEYNOTE SPEAKER | Auditorium, Edificio de Gobierno.

Artificial intelligence approaches for antibiotic discovery. César de la Fuente (University of Pennsylvania, Pennsylvania, USA).



Prof. de la Fuente is a Presidential Assistant Professor at the University of Pennsylvania. Prof. de la Fuente has received over 50 awards. He was recognized by MIT Technology Review as one of the world's top innovators, selected as the inaugural recipient of the Langer Prize, and received the ACS Infectious Diseases Young Investigator Award. In 2021, he received the prestigious Princess of Girona Prize for Scientific Research, the Thermo Fisher Award, and the EMBS Academic Early Career Achievement Award "For the pioneering development of novel antibiotics designed using principles from computation, engineering, and biology." Prof. de la Fuente has given over 150 invited lectures, is an inventor on multiple patents, and has published around 100 publications, including papers in Nature Biomedical Engineering, Nature Communications, PNAS, and ACS Nano.

17:45-18:30. ROUND TABLE ON OPEN SCIENCE | Auditorium, Edificio de Gobierno.

- Dirk van Gorp (Open Science Officer at Radboud University; Member of ENABLECARES).
- Valerie Teng-Brough (Senior editor, Elsevier).
- Eleni Skourti (Editor, The FEBS Journal).
- José López Barneo (PI and former director at the Institute of Biomedicine of Seville).
- Fathia Mami-Chouaïb (PI at INSERM, Gustave Roussy Institute).

Moderators: Irene Díaz Moreno (Chair of the FEBS Working Group on the Careers of Young Scientists) & Jerka Dumić (Chair of the FEBS Working Group on Integration).

20:30. GALA DINNER | Restaurante Muelle 21

📍 Avda Santiago Montoto s/n, Edificio Acuario de Sevilla, 41012.





Career day



FRIDAY 18/11/2022

8:30-9:00. WELCOME | Entrance hall, Edificio de Gobierno.

9:00-9:50. ROUND TABLE ON TRANSFERABLE SKILLS FOR ALTERNATIVE CAREERS IN SCIENCE | Auditorium, Edificio de Gobierno.

9:50-10:00. PRESENTATION OF CAREER DAY | Auditorium, Edificio de Gobierno.

10:00-11:00. COFFEE BREAK | Cafetería Ilundain.

Opportunity Fair | Patio, Hospital Building.

11:00-13:00. Career chats | Ground floor room, IBiS.

Opportunity Fair | Patio, Hospital Building.

Workshops | Various locations.

WP01 - 11:00-13:00 | Auditorium, IBiS

WP02 - 11:00-12:00 | Ground floor room, IBiS

WP03 - 12:00-13:00 | Auditorium, Edificio de Gobierno

WP04 - 11:00-12:00 | Auditorium, Edificio de Gobierno

WP05 - 11:00-12:00 | First floor room, IBiS

13:00-15:00. LUNCH | Cafetería Ilundain.

Opportunity Fair | Patio, Hospital Building.

15:00-17:00. Career chats | Ground floor room, IBiS.

Opportunity Fair | Patio, Hospital Building.

Workshops | Various locations.

WP06 - 15:00-17:00 | Room 4, Edificio de Gobierno

WP07 - 15:00-17:00 | Room 5, Edificio de Gobierno

WP08 - 15:00-16:00 | Room 3, Edificio de Gobierno

WP09 - 15:00-17:00 | Room 2, Edificio de Gobierno

WP010 - 15:00-17:00 | Room 1, Edificio de Gobierno

17:00-17:45. CLOSING CEREMONY & PRIZES | Auditorium, Edificio de Gobierno.



FRIDAY 18/11/2022 - Full program

8:30-9:00. WELCOME | Main hall, Edificio de Gobierno.

9:00-9:50. ROUND TABLE ON TRANSFERABLE SKILLS FOR ALTERNATIVE CAREERS IN SCIENCE | Auditorium, Edificio de Gobierno.

- Ferhan Sağın (Chair of the FEBS Education Committee).
- Joan Guinovart (IRB Barcelona Emeritus Professor and Former Director).
- José López Barneo (PI and Former Director at the Institute of Biomedicine of Seville).
- Rebeca Kenda Nana Barrantes (Associate Consultant, Research Partnership, and Career Coach in Libertad con Ciencia).
- Matteo Iannacone (PI at San Raffaele Scientific Institute).
- César de la Fuente (PI at the University of Pennsylvania).

Moderator: Jerka Dumić (Chair of the FEBS Working Group on Integration).

9:50-10:00. PRESENTATION OF CAREER DAY | Auditorium, Edificio de Gobierno.

10:00-11:00. COFFEE BREAK | Cafetería Ilundain.

OPPORTUNITY FAIR | Patio, Hospital Building.

11:00-13:00. Workshops | Various locations.

Career chats | Ground floor room, IBiS.

Opportunity Fair | Patio, Hospital Building.

MORNING WORKSHOPS

W01 11:00-13:00 | Auditorium, IBiS.

How to build your own start-up. José A. Horcajadas (CEO of several technological companies).

W02 11:00-12:00 | Ground floor room, IBiS.

How to write a research paper. Valerie Teng-Broug (Senior publisher in life sciences, Elsevier).



- W03 11:00-12:00** | Auditorium, Edificio de Gobierno.
How to create a culture of sustainability in science: From the benchtop to the boardroom. Carlo Battisti (EU Business Development Consultant, My Green Lab).
- W04 12:00-13:00** | Auditorium, Edificio de Gobierno.
Alternative careers for scientists and researchers. Manolo Castellano (Career Consultant and Talent Recruiter, Carreras Científicas Alternativas).
- W05 11:00-12:00** | First floor room, IBiS.
Can you improve your presentation skills? Luisa Escudero (Associate Professor Cell Biology Department at Universidad de Sevilla and PI at Instituto de Biomedicina de Sevilla).

13:00-15:00. LUNCH | Cafetería Ilundain.

OPPORTUNITY FAIR | Patio, Hospital Building.

15:00-17:00. Workshops | Various locations.

Career chats | Ground floor room, IBiS.

Opportunity Fair | Patio, Hospital Building.

AFTERNOON WORKSHOPS

- W06 15:00-17:00** | Room 4, Edificio de Gobierno.
Create your professional identity and gain clarity on your career path. Amani Said (Career Coach for Scientists)
- W07 15:00-17:00** | Room 5, Edificio de Gobierno.
Effective networking inside and outside academia. Manolo Castellano (Career Consultant and Talent Recruiter, Carreras Científicas Alternativas).
- W08 15:00-16:00** | Room 3, Edificio de Gobierno.
How to elaborate a cogent grant application... To get it funded! Miguel A. De la Rosa (Prof. at University of Seville, Editor-in-Chief of FEBS Open Bio).
& Shaping your career (also as an educator) - Tips and tricks for a young scientist. Ferhan G. Sagin (Professor of Biochemistry at Ege University, Chair of the FEBS Education Committee)



W09 15:00-17:00 | Room 2, Edificio de Gobierno.

Keys to succeed in a job interview. Sašo Kočevar (founder and director of HFP consulting).

W10 15:00-17:00 | Room 1, Edificio de Gobierno.

How to land a job in Industry (even if you aren't "qualified"). Rebeca Kenda Nana Barrantes (Associate Consultant, Research Partnership, and Career Coach in Libertad con Ciencia).

17:00-17:45 CLOSING CEREMONY & PRIZES | Auditorium, Edificio de Gobierno.

The past and the future of FEBS-IUBMB-ENABLE.

- Joan Guinovart (IRB Barcelona Emeritus Professor and Former Director).
- Irene Díaz Moreno (Chair of the FEBS Working Group on the Careers of Young Scientists).

FEBS initiatives for young scientists.

- FEBS Young Scientist Forum 2023. Vlastimil Kulda (Member of the FEBS Working Group on the Careers of Young Scientists).
- FEBS Junior Sections. Clara Rey (Member of the Spanish FEBS Junior Section).
- FEBS-IUBMB- ENABLE Cologne 2023. Franziska Baumann and Andrea Mariani (Chair and Vice-Chair of the Scientific Organizing Committee of the 2nd FEBS-IUBMB-ENABLE PhD and Postdoc Conference)

Prizes ceremony.

Moderators: Marta Reyes Corral and Maren Pfirrmann (Chair and Vice-Chair of the Scientific Organizing Committee of FEBS-IUBMB-ENABLE 2022).



WORKSHOPS DESCRIPTION

W01. How to build your own Start-Up. José A. Horcajadas (CEO of several technological companies).



Earned his University degree in Molecular Biology and Biochemistry from Universidad Autónoma de Madrid in 1993 and PhD in the same University in 2000. He has been the founder of several companies with technological base: Recombine Europe (2011), iGLS (2011), SINAЕ (2012), Fullgenomics (2018), Overture Life (2018), and HoMu Health Ventures (2018). He has published around 60 scientific publications, 6 patents, and more than 15 books. He has worked at the University of Pablo de Olavide, University of Munich, University of Cambridge, University of Rio Grande do Sur, University of Valencia, University of California San Francisco, and Eastern Virginia Medical School.

W02. How to write a research paper. Valerie Teng-Broug (Senior publisher in life sciences, Elsevier).



Based in Amsterdam, the Netherlands, Valerie holds a degree in Communications. She has worked for Elsevier since 1995, holding various publishing positions and has worked on both journals and book series within the fields of Economics, Econometrics, Pure Mathematics, Biochemistry, Biophysics, and most recently Genetics and Developmental Biology.



W03. How to create a culture of sustainability in science: From the benchtop to the boardroom. Carlo Battisti (European Stakeholder Engagement, My Green Lab).



Degree in Civil Engineering from the Politecnico of Milan, twenty years of experience in construction companies. Fourteen as sustainable innovation manager and consultant. Master of Management and Organizational Development at MIP. Certified Project Manager IPMA®. LEED®, Living Future, WELL and RESET Accredited Professional. USGBC® and WELL Faculty™. Innovation manager for IDM South Tyrol [2009-2022]. Chair of the COST Action 16114 RESTORE “REthinking Sustainability Towards a Regenerative Economy” [2017-2021]. Since 2019 he is President at Living Future Europe. A My Green Lab Ambassador, since 2021 he is also MGL business development consultant for the European Union.

W04. Alternative careers for scientists and researchers. Manolo Castellano (Career Consultant and Talent Recruiter, Carreras Científicas Alternativas).



Manolo Castellano is a career consultant and talent recruiter specialized in guiding scientists and researchers. After obtaining his Ph.D. in Neurobiology at the Universidad of Seville (Spain) in 2006, he has also worked at Rockefeller University, Stanford University and the Universidad Miguel Hernández in Elche. In 2017, he transitioned to science consulting, founding Carreras Científicas Alternativas, a platform devoted to guide scientists and researchers to find new professional paths. Manolo conducts training seminars and workshops related to professional careers, participates frequently in employability forums and runs a podcast about scientific careers, where he interviews researchers who happily made their professional career transition beyond Academia. Manolo currently combines his career-guiding activities with recruitment consulting for R&D companies at Talento Científico.

W05. Can you improve your presentation skills? Luisa Escudero (Associate Professor Cell Biology Department at Universidad de Sevilla and PI at IBiS).



Luisa Escudero is interested in Computational Biology, Developmental Biology, Mathematical Biology, Biophysics, patterns, and repetitions. He is an Associate Professor in the Cell Biology Department at the University of Seville and a principal investigator at IBiS. In his research group, they work on the understanding of the 3D organization of living tissues. During the last few years, they have made pioneering contributions to the quantification of tissue organization in development and disease. These studies culminated in 2018 with the description of the scutoid, a novel geometrical shape. The epithelial cells in 3D curved tissues adopt the scutoid shape to reach a state of energy minimization. The discovery of the scutoids has been closely related to Luisa's personal interest in science communication and popularization. In the last few years, he has been organizing several initiatives on science dissemination.

W06. Create your professional identity and gain clarity on your career path. Amani Said (Career Coach for Scientists)



Dr. Amani Said is the founder of Success Beyond The Lab, a company that is on a mission to empower scientists in launching dream careers while making an impact in our society. Her curiosity for understanding life led her to pursue a Ph.D. in Developmental Biology at the Max-Planck Institute in Dresden, Germany. Having dealt with burnout and mental health challenges in her career led her to discover the field of personal development. Traveling all across the globe she learned from the best coaches and trainers in the field of personal growth. This helped her to uncover her potential and develop a growth mindset to create a dream career and life for herself. Applying these same tools, she has coached and trained over a thousand scientists in career & personal development to create successful careers.



W07. Effective networking inside and outside academia. Manolo Castellano (Career Consultant and Talent Recruiter, Carreras Científicas Alternativas).



Manolo Castellano is a career consultant and talent recruiter specialized in guiding scientists and researchers. After obtaining his Ph.D. in Neurobiology at the Universidad of Seville (Spain) in 2006, he has also worked at Rockefeller University, Stanford University and the Universidad Miguel Hernández in Elche. In 2017, he transitioned to science consulting, founding Carreras Científicas Alternativas, a platform devoted to guide scientists and researchers to find new professional paths. Manolo conducts training seminars and workshops related to professional careers, participates frequently in employability forums and runs a podcast about scientific careers, where he interviews researchers who happily made their professional career transition beyond Academia. Manolo currently combines his career-guiding activities with recruitment consulting for R&D companies at Talento Científico.

W08. How to elaborate a cogent grant application... To get it funded! Miguel A. De la Rosa (Professor at University of Seville, Editor-in-Chief of FEBS Open Bio).

& Shaping your career (also as an educator) - Tips and tricks for a young scientist. Ferhan G. Sagin (Professor of Biochemistry at Ege University, Chair of the FEBS Education Committee)



Miguel A. De la Rosa is a Professor of Biochemistry and Molecular Biology at the Institute for Chemical Research (University of Seville & CSIC, Spain). He is Secretary General-elect of the Federation of European Biochemical Societies (FEBS), Vice-president of the Sevillian Royal Academy of Sciences, and Editor-in-Chief of FEBS Open Bio. Prof. De la Rosa was also the Director of the Scientific Research Center Isla de la Cartuja (cicCartuja/US/CSIC) from 2009 to 2018 and the President of the Spanish Society for Biochemistry and Molecular Biology (SEBBM) from 2008 to 2012. His publication record includes more than 200 peer-reviewed articles and book chapters, four books, and two patents. Prof. De la Rosa has been invited to deliver ~150 lectures worldwide.



Ferhan Sagin (MD, PhD) is a Professor of Medical Biochemistry at Ege University Medical Faculty, Izmir, Turkey. After being in active research for 15 years, she moved her main focus to education and training of young scientists (however still continuing some research as well). She was involved with international organizations such as International Association of Medical Science Educators (IAMSE) where she also served on the Executive Board. She was presenter / workshop organizer at over 10 IAMSE Conferences as well as Asian Pacific Medical Education Congresses (APMEC). Prof. Sagin is the Chair of the FEBS Education Committee (since 2019 and currently serving her second term) and member of the IUBMB Education Committee. She is also the co-chair of the Turkish Biochemical Society (TBS) since 2015 and chair of the TBS Academy. She has delivered more than 200 national & international talks on education and soft skills training.

W09. Keys to succeed in a job interview. Sašo Kočevar (founder and director of HFP consulting).



Sašo Kočevar is the founder and director of HFP consulting, a company specializing in professional and personal development for scientists, with a particular focus on life sciences and biomedical research. For the last 17 years, Sašo has trained and coached biomedical researchers and clinicians from diverse backgrounds. He helped them develop their skill sets in order to master professional challenges and progress in their careers. Sašo shaped and facilitated numerous collaborations and workshops at renowned international institutions in the USA, Europe, and Middle East (e.g. Yale School of Medicine, Harvard Medical School, University of Oxford, Sheeba Health, Weizmann Institute of Science).



W10. How to land a job in Industry (even if you aren't "qualified"). Rebeca Kenda Nana Barrantes (Associate Consultant, Research Partnership, and Career Coach in Libertad con Ciencia).



Rebeca is a biotechnologist who decided to pursue a career outside Academia. She found her way into the Pharma world and more specifically, into consultancy in Market Access. Since then, she has supported dozens of PhD students to move into the Industry as a mentor and career coach in Libertad Con Ciencia.



CAREER CHATS MENTORS

MORNING SESSION

TABLE 1. Joan Guinovart (Emeritus Professor at IRB Barcelona, Spain).



Joan J. Guinovart graduated in Chemistry and Pharmacy (1969) from the University of Barcelona. He obtained his Ph.D. in Biochemistry (1973) from the same university. He is a specialist (Board certified) in Clinical Biochemistry and Clinical Analysis. He did his post-doctoral stage in the Dept. of Pharmacology, University of Virginia. Afterwards, he came back to Barcelona to served as director of IRB Barcelona from its foundation in 2005 until 2018. At present, he is an IRB Barcelona Emeritus Professor, guiding, advising and representing the Institute in a variety of events.

TABLE 2. Yasin Hanaee (Director and CEO of COBIOMIC, Córdoba, Spain).



Yasin Hanaee studied his Bachelor's Degree in Biomedical Science at the University of Bradford. Based in Cambridge, he has worked for more than 8 years on business management at international medical diagnostic companies, including J&J and DNA genotek. In 2020 he completed his executive MBA followed by co-founding three start-ups (ZEEBX, Shortcut Scientific and COBIOMIC). COBIOMIC Bioscience is a spin-off of the University of Cordoba with the focus on proteomics, with the focus on both commercial and research projects in autoimmune diseases. He is also a PhD candidate in Biomedicine at the University of Córdoba.

TABLE 3. Mirjam Brullemans (Data Steward at Radboudumc Technology Center Data Stewardship (RTC-DS), Nijmegen, The Netherlands).



Mirjam holds a BSc in Biosciences at Urologic Research laboratory of Radboudumc, Nijmegen, the Netherlands. Nowadays, she is the data Steward at RTC-DS since 2016. Mirjam is also Team Product Owner (TPO), overseeing team member's workload and activities, and local FAIR coordinator of HealthRI node region of Nijmegen. Previously, she has been a Research Scientist at pharmaceutical company MSD in Oss, the Netherlands. From 2011-2013, she has been a Clinical Data Manager at Eurofins Global Central Laboratory, Breda, The Netherlands. Afterwards, she worked as Clinical Data Manager and Clinical Data Consultant at Clinical Research Center Nijmegen (CRCN), Radboudumc, Nijmegen, the Netherlands until 2016.



AFTERNOON SESSION

TABLE 1. José A. Horcajadas (CEO of several technological companies).



Earned his University degree in Molecular Biology and Biochemistry from Universidad Autónoma de Madrid in 1993 and PhD in the same University in 2000. He has been the founder of several companies with technological base: Recombine Europe (2011), iGLS (2011), SINAÉ (2012), Fullgenomics (2018), Overture Life (2018), and HoMu Health Ventures (2018). He has published around 60 scientific publications, 6 patents, and more than 15 books. He has worked at the University of Pablo de Olavide, University of Munich, University of Cambridge, University of Rio Grande do Sur, University of Valencia, University of California San Francisco, and Eastern Virginia Medical School.

TABLE 2. Clara Caminal (Senior Manager, EU Project Office, RMIT Europe).



Clara holds a BSc in Chemistry from the University of Barcelona, a MSc in Organic Chemistry from King's College London and a doctorate degree from the University of Bologna (Italy). She worked as a postdoctoral researcher at IRB Barcelona, before joining the Administration Unit of the same institute where she was charged with building up the then recently created Academic Office. Clara has been head of the International Strategic Support Office, where she gave support to attracting competitive international funds, in particular H2020 funds and EU projects. Moreover, she coordinated the ENABLE project. She has worked at the Vall d'Hebron Institute of Oncology to set-up the VHIO Academy. Recently, she joined RMIT Europe, the European Hub of the Royal Melbourne Institute of Technology, leading the establishment of an EU Project Office function

TABLE 3. Valerie Teng-Broug (Senior publisher in life sciences, Elsevier).



Based in Amsterdam, the Netherlands, Valerie holds a degree in Communications. She has worked for Elsevier since 1995, holding various publishing positions and has worked on both journals and book series within the fields of Economics, Econometrics, Pure Mathematics, Biochemistry, Biophysics, and most recently Genetics and Developmental Biology.



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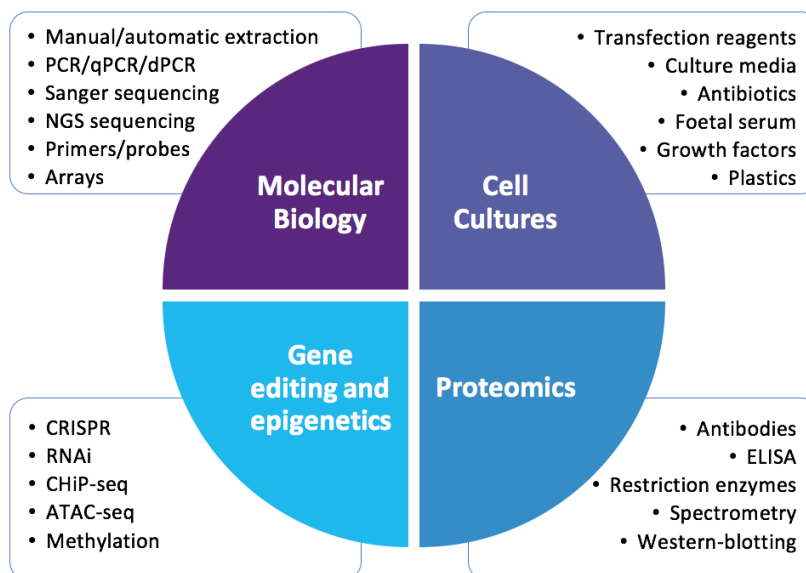
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We have a strong global presence, with employees in 13 countries. Our headquarters are located in **Uppsala, Sweden**, and our secondary headquarters are in **Boston, United States**. Our laboratories are located in Uppsala, Sweden and in Boston, US. In addition, we have **sales offices in Singapore, China and Japan** as well as 93 external partner labs around the globe.



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FEBS activities



2nd FEBS-IUBMB-ENABLE PhD and Postdoc Conference

COLOGNE 2023



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23rd-25th November 2023
University of Cologne, Germany

www.enablenetwork.eu

**Our website will be updated with more information about the upcoming conference
after 19th November 2022. Stay tuned!**



The 47th FEBS Congress (FEBS 2023) and the 22nd FEBS YSF (YSF 2023)

THE 47th FEBS CONGRESS (FEBS 2023)

The 47th FEBS Congress (FEBS 2023) will be held in Tours, France from 8–12th July 2023, under the slogan 'Together in bioscience for a better future'. The event is hosted by the French Society for Biochemistry and Molecular Biology (SFBBM), 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 2023.febscongress.org for more information. **Registration and abstract submission is now open!**





THE 22nd FEBS YOUNG SCIENTISTS' FORUM (YSF 2023)



The 22nd FEBS Young Scientists' Forum (YSF 2023) will be held 6–8 July 2023 just before and in conjunction with the 47th FEBS Congress (8–12 July), in Tours, France. 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 2023 will start on 6 July with an inspiring opening lecture and a welcome dinner. Over the next two 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 8 July, when participants will transfer to the FEBS Congress.

Application to the YSF 2023 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 2023.febscongress.org. **The application deadline to the YSF 2023 is 8 December 2022.**





Other FEBS Activities

FEBS FELLOWSHIPS

FEBS Fellowships support research in a host lab in a different country in the FEBS area, 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 event organizers for FEBS Youth Travel Fund grants. Visit febs.org for more information.

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 on the network.febs.org for more information.



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