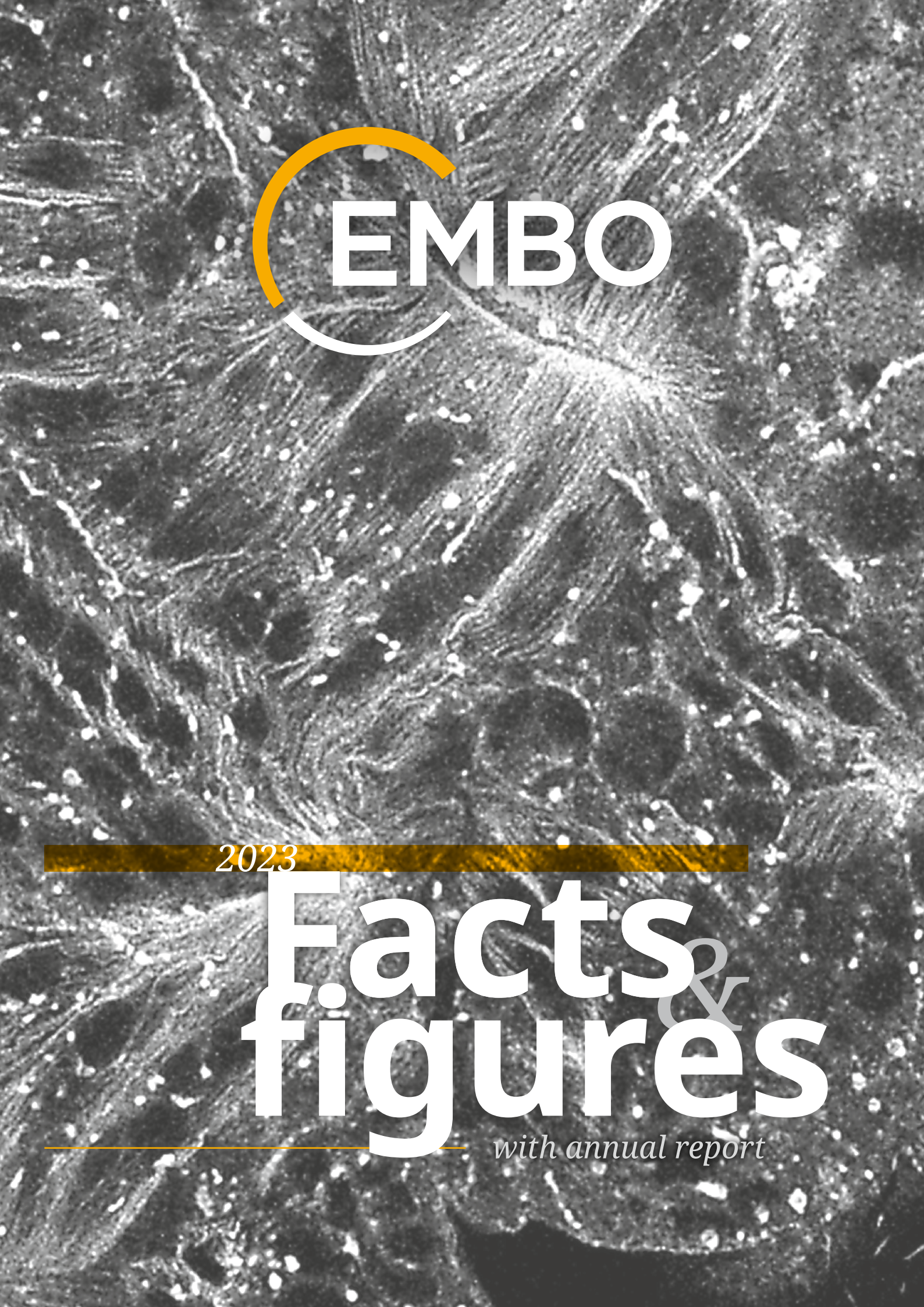
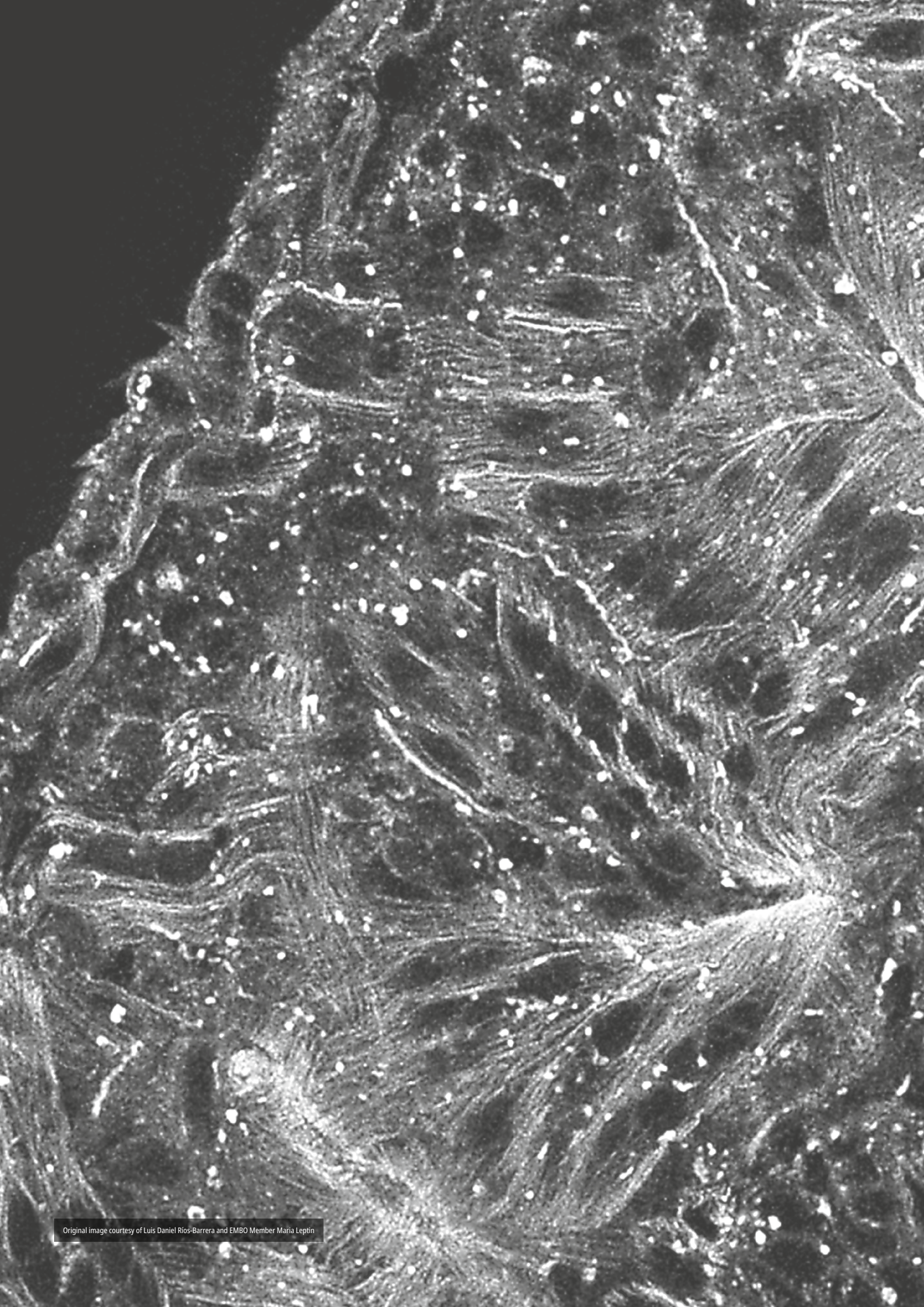

EMBO
2023
Facts & figures
with annual report

EMBO Facts & figures
with annual report **2023**



Original image courtesy of Luis Daniel Ríos-Barrera and EMBO Member Maria Leptin

Preface

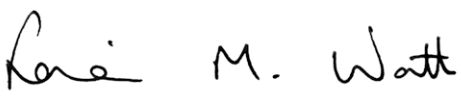
I am delighted to report on the EMBO Programmes and activities supporting life scientists across Europe and beyond in the year 2023. Our activities have continued to have a positive impact on careers, collaborations and international scientific exchange. Throughout the year, the communities of EMBO Members and grantees continued to grow: 69 scientists from more than 20 countries were elected new EMBO Members and Associate Members. EMBO welcomed 26 Young Investigators from nine countries, ten Installation Grantees from seven countries and ten Global Investigators from three countries or territories, and 135 EMBO Postdoctoral Fellows in 18 countries. EMBO awarded 304 EMBO Scientific Exchange Grants for research exchanges between labs in 25 countries and funded or co-funded 80 practical courses, workshops, lecture courses and symposia in 18 countries. Approximately one third of our workshops were held in a hybrid format. Through a one-off funding mechanism, we were able to support 25 life scientists who had been displaced by armed conflict.

The number of countries providing funding to the European Molecular Biology Organisation (EMBC) has continued to increase: Latvia has become the 31st country to join the EMBC, enabling the country's scientists to benefit from the full range of EMBO Programmes. The initiative to increase participation in EMBO Programmes across Europe proved successful: the number of grants awarded to life scientists in or going to one of the eleven participating countries increased significantly. We have also extended the global reach of EMBO, signing a memorandum of cooperation with the Japan Science and Technology Agency to promote collaboration between life scientists in EMBC Member States and Japan.

EMBO Press, its journals and its approaches to supporting Open Access and Open Science have continued to develop. Review Commons, the platform dedicated to journal-agnostic peer review of preprints, announced the expansion of its family of affiliate journals to include publications from three additional organizations, increasing the total number of affiliate journals to 27. From 2024, the EMBO Journal and EMBO Reports, like all other EMBO Press journals, are fully Open Access. In addition, research papers published in EMBO Press journals now include the source data underlying the figures.

As part of the celebrations for the organization's 60th anniversary in 2024, EMBO has launched a Lab Sustainability Award and Science Journalism Fellowships.

I thank the EMBC President and Delegates, the EMBO Members serving on Council and Committees, and the EMBO staff for their dedicated and tireless work to promote life scientists in Europe and beyond.



Fiona M. Watt
EMBO Director

Contents

All image credits on their individual pages.

Programmes and schemes

Journals and subsidiaries

Facts & figures 2023

Mission

EMBO stands for excellence in the life sciences

EMBO is an organization of more than 2,000 leading researchers that promotes excellence in the life sciences in Europe and beyond. The major goals of the organization are to support talented researchers at all stages of their careers, stimulate the exchange of scientific information and help build a research environment where scientists can achieve their best work.

EMBO helps young scientists to advance their research, promote their international reputations and ensure their mobility. Courses, workshops, lectures and EMBO Press publications disseminate the latest research and offer training in techniques to maintain high standards of excellence in research practice. EMBO helps to shape science policy by seeking input and feedback from our communities and by following closely the trends in science.

EMBO supports talented researchers, selected through impartial evaluation processes, to allow them to do great science. The wide scientific scope across the full range of life science research coupled with the broad geographical reach of the members and associate members – some of the best researchers in Europe and around the world – positions EMBO optimally to serve the life science community.

Expansion microscopy of centriole and procentriole (both marked in red) in human cells. Original image courtesy of EMBO Member Pierre Gönczy, EPFL

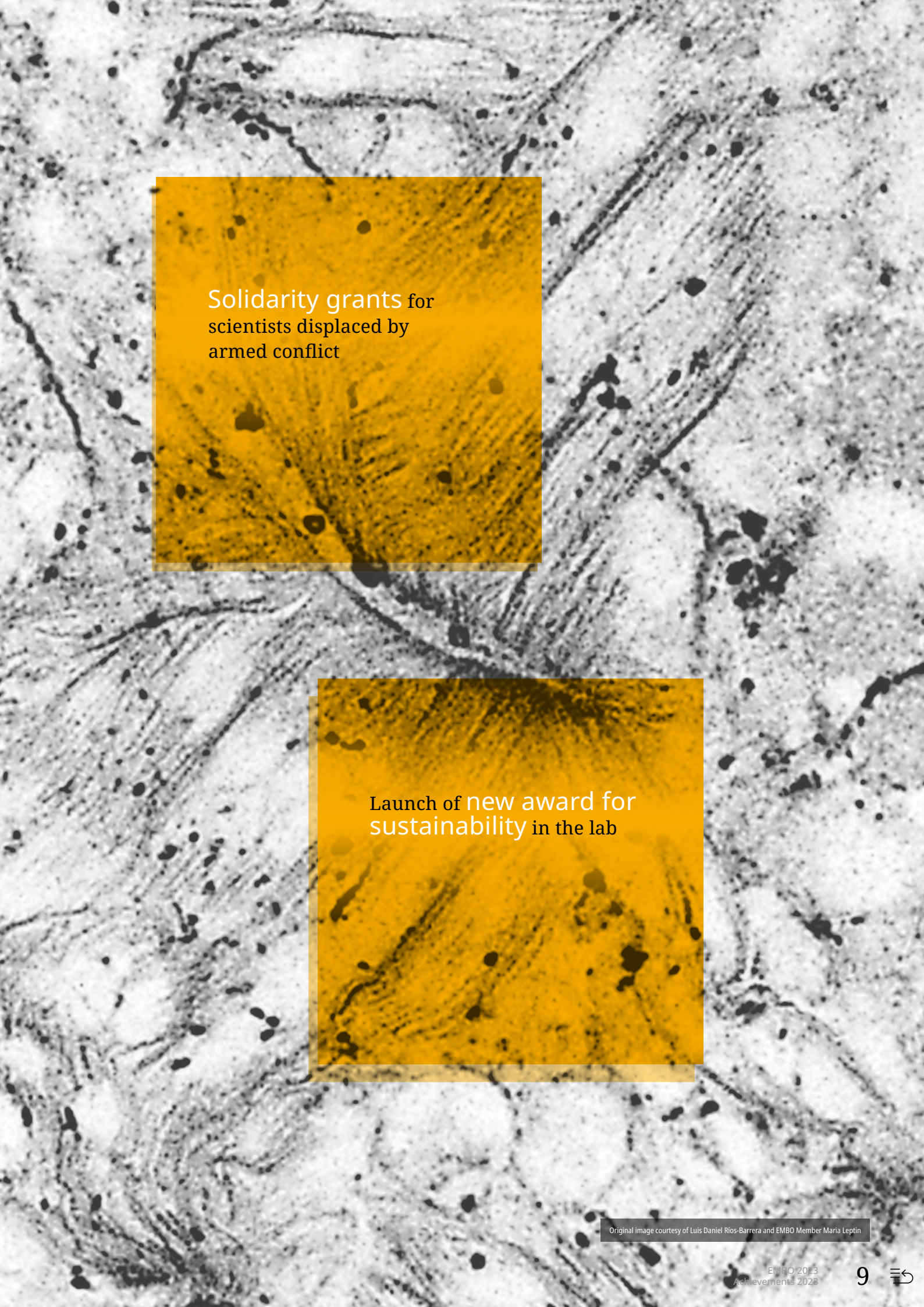
Achievements 2023

EMBO Press to be fully
Open Access

Latvia becomes the European
Molecular Biology Conference's
31st member state

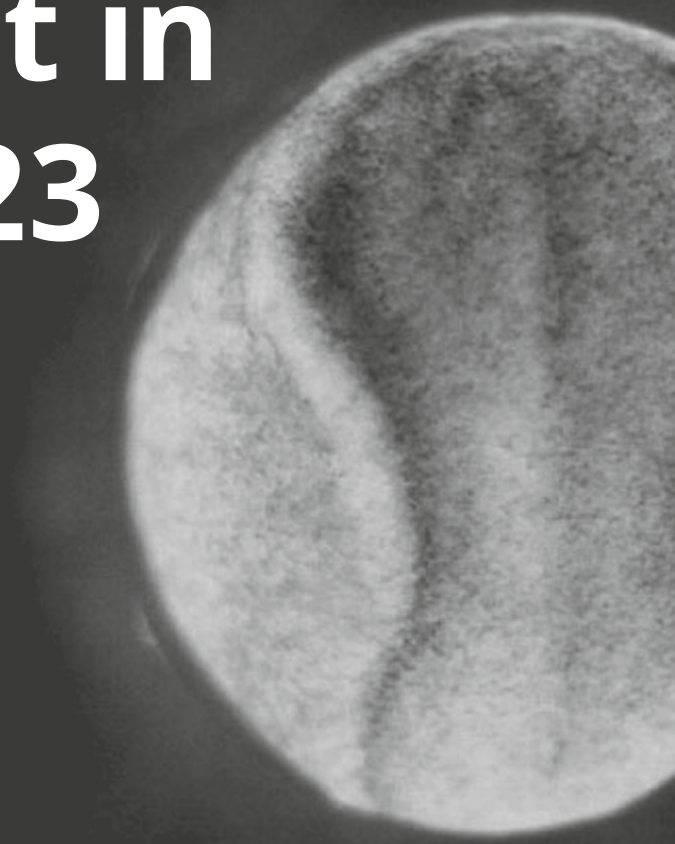
Solidarity grants for scientists displaced by armed conflict

Launch of new award for sustainability in the lab



Original image courtesy of Luis Daniel Ríos-Barrera and EMBO Member Maria Leptin

EMBO impact in numbers 2023



18,023 preprint-linked peer reviews accessible via Early Evidence Base

9,576 figure-data packages from **600** papers curated by SourceData

2,010

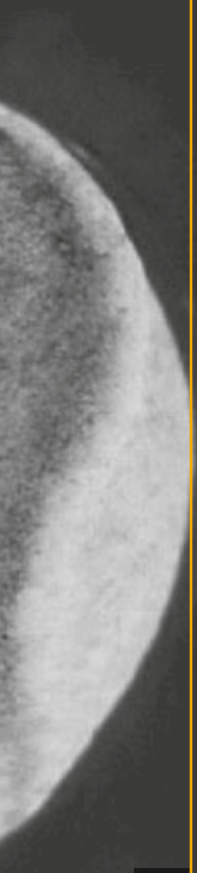
members altogether
with
92 Nobel laureates among them

825

articles published
in EMBO Press journals
(excludes Life Science Alliance)

311

Review Commons submissions
posted as reviewed preprints
229 published in a partner journal



Neurula stage embryo of the axolotl
Original image courtesy of EMBO Member Jonathan Slack

304 EMBO Scientific Exchange Grantees funded in **25** countries

135 postdoctoral researchers funded in **18** countries

80 practical courses, workshops, lecture courses and symposia funded or co-funded in **18** countries

26 EMBO Young Investigators awarded in **9** countries

25 EMBO Solidarity Grantees awarded

10 EMBO Installation Grantees awarded in **7** countries

10 further grants awarded to scientists in **5** countries

10 EMBO Global Investigators awarded in **3** countries

EMBC

The European Molecular Biology Conference (EMBC) is an inter-governmental organization comprising 30 member states. It funds the EMBO Programmes and activities that support excellent life scientists. EMBC and EMBO also co-operate with countries and organizations beyond Europe to foster interactions with international scientific communities.

EMBC Member States | *Delegates and Advisors*

Austria	Hemma Bauer – Federal Ministry of Education, Science and Research Christa Schleper – University of Vienna, Archea Biology and Ecogenomics Unit
Belgium	Maria-Helena Bosschaerts – Belgian Science Policy Office Laurent Ghys – Belgian Science Policy Office Alain Heynen – Belgian Science Policy Office Cédric Blanpain – Université Libre de Bruxelles (ULB) Savvas Savvides – VIB Center for Inflammation Research
Croatia	Lovorka Barać Lauc – Croatian Science Foundation Vesna Boraska Perica – Split University Medical School
Czech Republic	Jan Buriánek – Ministry of Education, Youth and Sports Zdena Palková – Charles University
Denmark	Mads Rugaard Christensen – Ministry of Higher Education and Science Christina Nellemann Sorensen – Ministry of Higher Education and Science Poul Nissen – Aarhus Univeristy
Estonia	Elin Org – Universirty of Tartu Toivo Raim – Ministry of Education and Research Priit Tamm – Estonian Research Council Jaak Vilo – University of Tartu
Finland	Sirpa Nuotio – Research Council of Finland Olli Silvennoinen – University of Helsinki
France	Elena Hoffert – Ministère de l'Education Nationale, de l'Enseignement Supérieur et de la Recherche
Germany	Barbara Ohnesorge – Federal Ministry of Education and Research Peter Becker – Ludwig-Maximilian University Andreas Ladurner – Ludwig-Maximilian University
Greece	Nektarios Tavernarakis – Foundation for Research and Technology-Hellas (FORTH) Eleftheria Zeggini – Helmholtz Zentrum München Panagiota Katsafana – Ministry for Development and Investments
Hungary	Gergely Boehm – Hungarian Academy of Sciences Ferenc Nagy – Hungarian Academy of Sciences
Iceland	Zophonías Oddur Jónsson – University of Iceland Eiríkur Steingrímsson – University of Iceland
Ireland	Maria Nash – Science Foundation Ireland Brendan O'Reilly – Department of Further and Higher Education, Research, Innovation and Science
Israel	Iris Eisenberg – Ministry of Innovation, Science and Technology Joel Sussman – Weizmann Institute of Science Barak Gatenyo – Ministry of Innovation, Science and Technology
Italy	Lucia Banci – University of Florence Alessandro Boero – Ministry of University and Research Riccardo Valenti – Ministry of Economy and Finance
Latvia	*Uldis Berkis – Ministry of Education and Science of the Republic of Latvia* *Janis Klovins – Latvian Biomedical Research and Study Centre* ***Since Latvia joined only in November 2023, no further statistics are being listed.***
Lithuania	Milda Jodinskiene – Research Council of Lithuania Virginijus Sikšnyš – Vilnius University
Luxembourg	Stephanie Schott – Ministère de la Recherche et de l'Enseignement supérieur
Malta	Joseph Borg – University of Malta Melissa Formosa – University of Malta
Montenegro	Ivana Lagator – Ministry of Science and Technological Development Lidija Vukčević – Ministry of Science and Technological Development
Netherlands	Anna Akhmnova – Utrecht University Jennifa Dorleijn – Ministry of Education, Culture and Science Mirjam Lieshout-Vijverberg – Ministry of Education, Culture and Science
Norway	Line M. Grønning-Wang – The Research Council of Norway Inge Jonassen – University of Bergen
Poland	Leszek Kaczmarek – Nencki Institute of Experimental Biology of the Polish Academy of Science Kamila Kowalska – Ministry of Education and Science Agnieszka Mierzynska – Ministry of Education and Science
Portugal	Luisa Igreja – Ministry of Science, Technology and Higher Education Claudio Sunkel – Universidade do Porto
Slovak Republic	Marcel Sládok – Ministry of Education, Science, Research and Sport of the Slovak Republic Ján Turňa – Science Park of Comenius University in Bratislava
Slovenia	Tomaz Boh – Ministry of Education, Science and Sport Andrej Ograjenšek – Ministry of Education, Science and Sport Boris Turk – Josef Stegan Institute
Spain	Ignacio Baanante – Ministry of Science, Innovation and Universities M. Angela Nieto – Instituto de Neurociencias CSIC-UMH Inmaculada Figueroa – Ministry of Science, Innovation and Universities
Sweden	Suparna Sanyal – Uppsala University Maria Thuveson – The Swedish Research Council Helena Berglund – The Swedish Research Council
Switzerland	Yves Amstutz – State Secretariat for Education, Research and Innovation Doris Wohlfender-Bühler – State Secretariat for Education, Research and Innovation Susan Gasser – ISREC
Türkiye	Güliz Sütçü – TÜBİTAK Sule Nur Sarper – TÜBİTAK
United Kingdom	Mark Palmer – Medical Research Council, UKRI Tim Willis – Biotechnology and Biological Sciences Research Council, UKRI

Leszek Kaczmarek
EMBC President

EMBC

EMBC Associate Member States

India	Abhishek Singh
Singapore	Samantha J. Liew Benjamin Toh

EMBC/EMBO co-operation partners

National Agency for Research and Development (ANID) of Chile (former CONICYT)	Andrea Cibotti Ortiz Gonzalo Arenas
National Science and Technology Council (NSTC) of Taiwan (former MOST)	Ching-Mei Tang

Latvia has joined EMBC

The country became the 31st member state of the European Molecular Biology Conference following approval of the accession agreement

Latvia has joined the inter-governmental funding body of EMBO, the European Molecular Biology Conference (EMBC). Latvia is the 31st country to join EMBC as a member state, enabling scientists in the country to benefit from the full suite of EMBO Programmes and strengthening the life science community in Europe and beyond.

Latvia's accession as an EMBC Member State, concluded on 17 November 2023, was agreed unanimously by the EMBC following presentations from representatives of the Ministry of Education and Science of Latvia and the Latvian Biomedical Research and Study Centre. The preceding step to the accession was an approval procedure in the Cabinet of Ministers in Latvia, which has been completed on 17 October.

"Latvia's membership of EMBC marks a significant milestone in our commitment to advancing scientific research and innovation," said Jānis Paiders, Director of the Department of Higher Education, Science and Innovation at the Ministry of Education and Science of Latvia. "By joining EMBC and EMBO, we strengthen our collaboration with leading experts across the life sciences, fostering a brighter future for scientific discovery and progress. Together, we will drive innovation, promote knowledge exchange and contribute further to the global scientific community. Latvia extends heartfelt gratitude for the support we have received on our journey to join EMBC."

Major life science centres in Latvia include the Latvian Biomedical Research and Study Centre, the University of Latvia, Rīga Stradiņš University, the Latvian Institute of Organic Synthesis, the Latvia University of Life Sciences and Technologies, and the University of Daugavpils, amongst others in both the public and private sectors. Latvia has three university hospitals active in various fields of translational research.

As a member of EMBC, life scientists working in Latvia can apply to EMBO Programmes, including postdoctoral fellowships, scientific exchange grants, courses and workshops, the EMBO Young Investigator Programme.

“International cooperation is at the heart of European research, and the entire life science community benefits from Latvia joining EMBC,” said Fiona Watt, EMBO Director. “Latvia is home to great scientists and life science centres, and I am looking forward to seeing the positive impacts our partnership will have on careers, collaborations and scientific exchange.”

To date, 31 countries have ratified the EMBC Agreement and became EMBC Member States: Austria, Belgium, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Israel, Italy, Latvia, Lithuania, Luxembourg, Malta, Montenegro, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

“Broadening the EMBC community to include Latvia benefits biology and biomedical research across Europe,” said Leszek Kaczmarek, EMBC President. “I have seen first-hand the positive impacts of EMBO Programmes on the careers of researchers at all stages. Specialists in Latvia now have access to these diverse opportunities, which will undoubtedly lead to exciting new projects and scientific breakthroughs. I would like to thank all those involved in supporting Latvia’s accession to EMBC.”

Map based on UN Map of the World (Map No. 4651 Rev.1, Apr. 2023)

EMBO Membership

As a membership organization, EMBO owes its reputation and impact to the quality and dedication of its community of more than 2,000 EMBO Members. The members apply their expert insight to guide the execution of all EMBO initiatives through scientific peer review and by serving on EMBO Council, Committees and Advisory Boards. As a result, EMBO Members collectively influence the future direction of life science research and strengthen the research communities across Europe.

Complementing the EMBO Members working in the EMBC Member States, a number of EMBO Associate Members joins the organization from countries in other parts of the world each year. The EMBO Associate Members add a global perspective to the current activities and future directions of EMBO.

In 2023, 69 life scientists were elected to the EMBO Membership:

60 EMBO Members and nine Associate Members. The newly elected members reside in 20 countries, and 35 of them (51 %) are women.

While EMBO Membership is a lifelong honour, an efficient annual nomination and election process ensures that the scope of EMBO remains broad and open, with the flexibility to expand rapidly into emerging areas and to embrace new concepts in the life sciences. As a consequence, the scope of the organization has grown and evolved from its deep historical roots in the molecular biology of the 1960s to the postgenomic life sciences that pervade and improve the lives of people today.

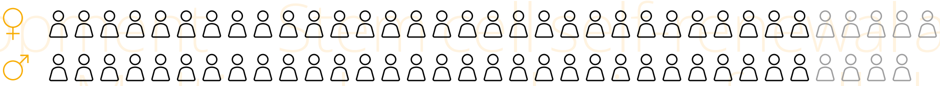
© EMBL Photolab/Massimo Del Prete

EMBO Members' Meeting 2023, Heidelberg, Germany

New EMBO Members 2023

New EMBO Members 2023

New EMBO Associate Members 2023



New EMBO Members 2023

Simon **Alberti**
Canan **Atilgan**
Tom **Baden**
Marek **Basler**
Florence **Besse**
Rishikesh **Bhalerao**
Dalibor **Blazek**
Tiziana **Bonaldi**
Pedro **Carvalho**
Pilar **Cubas**
Bart **Deplancke**
Elke **Deuerling**
Sandra **Duharcourt**
Paul **Dupree**
Thijs **Ettema**
Angela **Falciatore**
Luísa M. **Figueiredo**
Luca **Giorgetti**
Electra **Gizeli**
Uri **Gophna**
Monica **Gotta**
Anne **Grapin-Botton**
Simonetta **Gribaldo**
Mohamed-Ali **Hakimi**
Muzlifah **Haniffa**
Hana **Hanzlíková**
Saskia A. **Hogenhout**
Wolfgang **Huber**
Meritxell **Huch**
Jacek **Jaworski**
Gáspár **Jékely**
Martin **Kaltenpoth**
Lukas **Kapitein**
Katalin **Karikó**
Manfred **Kayser**
Özlem **Keskin**
Gaëlle **Legube**
Julius **Lukeš**
Julia **Mahamid**
Ruth C. **Massey**
Marco **Milán**
Thorsten **Nürnberger**
Anna C. **Obenauf**
Faith H.A. **Osier**
Annette **Oxenius**
Anastassis **Perrakis**
Eugenia **Piddini**
Michael **Potente**
Katja **Röper**
Stephan J. **Sigrist**
David **Staněk**
Oliver **Stegle**
Nils Christian **Stenseth**
Ildikò **Szabò**
Alessandro **Vannini**
Julien **Vermot**
Hedda **Wardemann**
Katja **Wassmann**
Cornelis J. **Weijer**
Maria **Yazdanbakhsh**

Find all 2023 EMBO Members' research interests from page 84 onwards.

New EMBO Associate Members 2023

Kathryn S.E. **Cheah**
Diego **De Mendoza**
Yukiko **Goda**
Yukiko **Gotoh**
Sean J. **Morrison**
Erin K. **O'Shea**
Robert **Parton**
Michael **Rapé**
Nieng **Yan**

Delivering the right message
Katalin Karikó

EMBO Member 2023

Professor at Szeged University, HU, and adjunct professor at University of Pennsylvania, Philadelphia, US

Hungarian born Katalin Karikó pioneered mRNA techniques that helped pave the way for vaccines and therapeutics. In 2023, she received the Nobel Prize in Physiology or Medicine jointly with Drew Weissman and became an EMBO Member.

You have a new book out in October 2023: *Breaking Through: My Life in Science*. What do you hope that people take away from reading it? • Over the course of my career, I have met many scientists, particularly women, who have had to give up their dreams due to factors out of their control. Yet we don't know what amazing discoveries we have missed out on as a result. I hope my book can shine a light on the importance of providing opportunities for women and other under-represented groups. I also want to inspire young people to recognize the importance and wonder of immunology, and to encourage early career researchers to be resilient when things don't go to plan.

What inspired you to become a scientist? • In elementary school, I was asked to write an essay on the importance of naming and classifying living organisms. I learned how this allows scientists to know quickly without ambiguity that one is talking about a certain animal or plant and what an interesting subject biology can be. I have been hooked ever since! I think that no matter your background, school plays such an important role in shaping your future.

How were your own school years formative? • I soon learned that no one is going to hand things to you on a plate, so I developed a strategy of setting goals, completing them, setting more ambitious ones, and most importantly being resilient in the face of setbacks. As an example, once a teacher introduced our class to stress theory. From this, I saw the benefits of managing stress proactively. Failure is part and parcel of scientific life, and I found it very useful to develop personal ways of turning 'bad' stress into 'good' stress and swiftly and determinedly moving on from failures.

In what way did this benefit your career? • My journey in science has not been smooth: in the 1980s, I couldn't find a position in Europe to continue my work on RNA and when I was offered a job in the USA, I decided to move there with my young family. Due to restrictions at the time, when we left Hungary, we had to hide what little money we had in my daughter's teddy bear and hope that we did not get caught. We didn't. Unfortunately, I have never been able to secure grant funding or a permanent position.

I was always driven by the joy of scientific research: those rare yet amazing moments when you finally put together pieces of a puzzle in the right way and realize you are the first person to understand something. Using that as a personal motivation, as well as the serendipitous encounters I have had with the people I have worked with along the way, have been essential components in my career.

Where do you turn to for inspiration? • A hobby of mine is to browse through historical research papers. Oftentimes scientists would candidly describe their thoughts to the point where you can really get an insight into their creative processes—how they were thinking and feeling, and the steps involved in proving or disproving a hypothesis.

One great example is a paper by Francis Crick, Sydney Brenner and colleagues, which details a series of intricate experiments that proved that the genetic code for proteins was a three-nucleotide code that does not overlap or share bases. Despite little being known about the nature of the genetic code at the time, they answered questions that have since underpinned advances in genetics and genomics.

Other historic papers guided me in my own work, including early research recognizing the impacts of immune response in disease, and in understanding what was causing that response. In many cases the researchers have seen and described what is happening, but the knowledge just wasn't there for them to understand what it meant. I have so much respect for these people who came before us.

What impact has global recognition for your work, including becoming an EMBO Member, had on your life? • I won my first award in an open biology exam in 1973, and the next one didn't come until the 2020s. I have been proud to receive so many incredible prizes, with one of the highlights being elected as an EMBO Member. EMBO has been incredibly important in supporting researchers and driving advances in molecular life science research since it was founded in the 1960s.

Being in the spotlight does not come naturally to me: I was always very happy working in the lab. However, the honours I have received come with responsibilities and I want to help the next generation of scientists to remain motivated, to not get disappointed early on, to know that scientific life can be a lot of fun and to realize that if I can succeed so can they.

A longer interview was published in EMBO Reports (DOI: 10.15252/embr.202358261)

EMBO Gold Medal

© Photolab/EMBL

© EMBL PhotoLab/Kinga Lubowiecka

The EMBO Gold Medal is awarded annually to young scientists for outstanding contributions to the life sciences in Europe. The awardee receives a medal and a bursary of 10,000 euros.

Getting the full picture of a cell's inside

Julia Mahamid

EMBO Gold Medalist and new EMBO Member 2023

Group leader and senior scientist at EMBL Heidelberg, DE

The structural biologist receives the medal for her seminal research in structural and cell biology that is based on new methods for cryo-electron tomography.

You studied biology, then moved into structural chemistry and work in structural cell biology today. What inspired these moves? • Switches between fields sometimes happen completely by serendipity. My switch from biology to chemistry was related to meeting my PhD supervisor, who was doing something very different from what I had thought biology was. It was supramolecular chemistry, still handling biological systems but with a very different perspective. Looking at biology through the eyes of a chemist or material scientist intrigued me. Since then, I have embraced interdisciplinary research that combines different perspectives to look at a certain problem and get the full picture.

How do you make crossing several disciplines work? • I've learned it by switching between fields myself. You come into a field as a novice, need to learn the literature and new methods, and also bring in your fresh perspective. I find this challenge is interesting on its own. Now I enjoy working with collaborators and think it's necessary in modern research, which requires advanced technologies and expertise. I fully acknowledge that I can't be an expert in everything. So it's smart to collaborate and join forces with an expert in another area.

What is the most exciting aspect of your current research? • I keep being amazed by how biology is still surprising us. We've been studying it for decades. But every new method, microscopy or model system reveals things that we couldn't even imagine. The high-resolution imaging techniques we use allow us to look at things without any labels. It can be confusing, because we don't necessarily know what is most important to follow up on. But it puts us in a unique position where we don't assume anything, rather look and learn from what we see, coming up with new hypotheses about how biology works differently in different organisms or conditions.

What does the EMBO Gold Medal mean to you? • It's a recognition of the creativity and perseverance of my group members. Our projects are extremely challenging on the technical and conceptual level. My group members and I constantly need to leave our comfort zones and think outside the box. For me the EMBO Gold Medal is a confirmation that the way that I've been trying to steer my research, which is usually exploratory and more directed by a hunch than target-oriented, eventually does make sense.

What have you learned from your successes and failures that you pass on to aspiring scientists? • My most interesting learning experience was from my master's research: it was great but taught me what I shouldn't do for the rest of my life. It was a very important lesson. It's equally important to know what you're good at, and what you're not good at or don't like. You should steer into a direction where you will mostly use your strengths and enjoy the work, and come up with strategies to overcome your weaknesses.

FEBS | EMBO Women in Science Award

This award is a joint initiative between EMBO and the Federation of European Biochemical Societies (FEBS). It is awarded annually to female life scientists working in Europe who are inspiring role models for future generations. The awardees receive a bronze sculpture and 10,000 euros.

Be bold. Be brilliant. Be kind.
Sarah Teichmann

FEBS | EMBO Women in Science Awardee 2023

Head of cellular genetics at the Wellcome Sanger Institute and director of research at the Department of Physics of the University of Cambridge, UK

The neuroscientist receives the award for her outstanding research on synaptic plasticity, and her commitment to supporting women in science at the institutional and personal level. She talks about her research and approach to mentoring.

Sarah Teichmann, whose lab motto is *"Be bold. Be brilliant. Be kind."*, received the award for her outstanding contributions in three scientific areas: protein assemblies, regulation of gene expression and, most recently, single-cell phenotyping including mapping of immune cells.

She co-founded and co-leads the international Human Cell Atlas, an initiative of over 2,600 scientists from 86 countries that aims to create cellular reference maps with the position, function and characteristics of every cell type in the human body. Since 2018, her group has published several cell atlas studies on different organs and systems, and has applied the comprehensive maps to gain new insights into health and disease.

Teichmann has also advocated for implementing policies to support women and parents, as well as researchers from diverse backgrounds in science, and for creating a better research culture for all. In 2022 Teichmann and her colleagues Muzlifah Haniffa and Jasmin Fisher published a commentary with policy proposals to promote inclusion in academia. Throughout her career, she has supervised more than 65 postdoctoral researchers and PhD students. Teichmann has supported several mentees in achieving scientific independence who have gone on to becoming group leaders in institutions across Europe and beyond.

The FEBS | EMBO Women in Science Award was presented to Teichmann at the 47th FEBS Congress in Tours, France, where she gave the award lecture on 9 July 2023.

"I was incredibly excited when I heard the news—this award is truly an honour! I have been involved with EMBO and FEBS in different capacities for many years and have always tried to advocate for increasing inclusion in science. I would like to thank everyone in my group past and present, as well as my collaborators and colleagues, for their support and encouragement over the years."

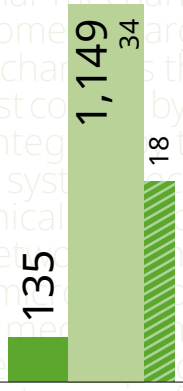
© Sebastian Nevols

Programmes and schemes

EMBO Postdoctoral Fellowships

Supporting internationally mobile postdoctoral researchers in Europe and around the world

EMBO Postdoctoral Fellowships support excellent postdoctoral researchers throughout Europe and the world for a period of up to two years. International mobility is a key requirement. The fellowship includes a salary or stipend, a relocation allowance, and support for fellows with children. Awardees can attend an EMBO Laboratory Leadership course and become part of the global network of EMBO Fellows.



In 2023, 135 EMBO Postdoctoral Fellowships were awarded to life scientists in 18 countries.

1,149 life scientists from 34 countries had applied.

Navigating change and fostering excellence in the life sciences

Recent surveys offer insights into the evolution and impact of the EMBO Postdoctoral Fellowship Programme

At the Institute for Bioengineering of Catalonia in Barcelona, Spain, EMBO Postdoctoral Fellow Marija Matejčić discovered a world where biologists work hand in hand with engineers, physicists and optics experts – an environment that she found inspiring and creatively charged. But beyond the lab, Matejčić's EMBO Fellowship played a pivotal role in her journey. Professional development trainings and leadership courses equipped her with essential tools for her career. The fellowship not only provided job security but became a profound support system, allowing Matejčić to focus on her research. "This makes you a better scientist ultimately," she says.

Matejčić is one of thousands of early-career researchers who have benefited from the EMBO Postdoctoral Fellowship Programme, which since its establishment in 1966 gives life scientists the opportunity to carry their research projects abroad for up to two years. Over time, the programme has risen as the EMBO flagship initiative, largely fulfilling its mission of supporting talented researchers in Europe and beyond.

The success of the EMBO Postdoctoral Fellowship Programme is testified by the results of a recent survey that collected feedback from more than 3,500 life scientists. Current and former EMBO Fellows, along with their supervisors, agree on the programme's value in contributing to scientific advancement, the survey revealed.

What's more, recent improvements to the programme have led to a more equitable distribution of fellowships, further affirming the EMBO commitment to fostering research excellence.

Changing with the times

EMBO Postdoctoral Fellowships offer the opportunity to conduct research projects in laboratories worldwide to applicants from member states of the European Molecular Biology Conference (EMBC) – an inter-governmental organization that provides most of the funding for EMBO Programmes and activities. The fellowships are also available to applicants from non-EMBC Member States who seek postdoctoral training within an EMBC Member State.

The awards are granted to candidates who have demonstrated their potential to advance scientific knowledge through their doctoral research and publications in peer reviewed journals. The evaluation process also considers the quality of the host laboratories and institutes to ensure that awardees receive top-notch training opportunities.

Several recent changes to the EMBO Fellowship Programme have led to increased fellowship opportunities for applicants across the globe. For example, the programme now accepts preprints with public in-depth peer reviews as equivalent to peer reviewed publications, broadening eligibility criteria. And in 2020, EMBO introduced a contract system within EMBC Member States, whereby the EMBO Fellows receive their salary directly from the host institution. The transition from stipends to working contracts has improved social security for fellows.

In an effort to diversify the destinations of fellows, in 2022, EMBO launched the "increasing participation" initiative, which is ongoing until the end of 2024. Several measures – including a separate funding budget – support researchers moving to countries such as Poland, Slovenia and Türkiye plus eight more countries, which have traditionally hosted fewer fellows than other EMBC Member States.

EMBO has also been proactive in addressing the challenges posed by unforeseen circumstances. During the early stages of the COVID pandemic, EMBO was one of the first organizations to offer extensions to postdoctoral fellows to mitigate the impact of disrupted research activities.

Helping researchers to thrive

Since its inception, the EMBO Postdoctoral Fellowship Programme has sought feedback from the life-science community. The most recent survey, which took place in 2021 and 2022, gathered insights from 634 current or former EMBO Postdoctoral Fellows, revealing the programme's global reach and the impact of the fellowship on career trajectories.

The main reasons for junior researchers to apply for an EMBO Fellowship include the programme's reputation, the opportunities for career progression, and the availability of appropriate funding, the survey revealed. Networking, soft-skills training, and mentorship opportunities were reported as additional factors for applying.

The survey also delved into the professional journey of current and former EMBO Fellows, revealing that nearly all respondents work in science-related fields – with the majority currently holding positions as postdoctoral researchers and 37% having advanced to Assistant/Associate Professors or Full Professors.

The recognition of the value of an EMBO Fellowship extends beyond the fellows themselves: host supervisors also acknowledge the benefits. A previous EMBO survey highlighted the positive impact of the fellowships on career progression, showing that most fellows have published – as first author or co-author – at least one research article based on their EMBO-funded project.

Further underscoring the programme's impact, a substantial proportion of the EMBO Members elected in 2022 were former EMBO Fellows or had hosted EMBO Fellows in their labs. These findings align with the broader survey results, which underscore the programme's ongoing success in nurturing excellence in the life sciences while creating an environment that allows fellows to thrive.

Find all 2023 EMBO Postdoctoral Fellows from page 88 onwards.

EMBO Scientific Exchange Grants

Supporting international collaborations that enable the transfer of expertise

EMBO Scientific Exchange Grants fund research exchanges of up to three months between laboratories in eligible countries. The grants facilitate collaborations with research groups with expertise, techniques, or infrastructure that is unavailable in the applicant's laboratory. They cover travel and subsistence costs of the fellow.

Find all 2023 EMBO Scientific Exchange Grantees from page 98 onwards.

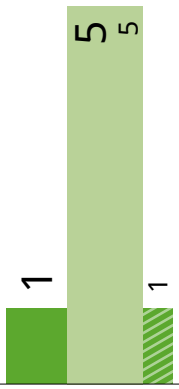
In 2023, 304 EMBO Scientific Exchange Grants were awarded to life scientists in 25 countries.

659 life scientists from 34 countries had applied.

EMBO New Venture Fellowships

Supporting young scientists in entering a new field

Determination of transition metal exchanges at the host-gut microbiota interface



EMBO New Venture Fellowships enable early career life scientists to enter a new field of research. In memory of Suzanne Eaton, a bright-minded and passionate scientist, these fellowships help researchers to pursue a new direction and transform their research trajectory by allowing them to initiate projects outside their current scientific area.

Suzanne Eaton was an internationally acclaimed scientist and EMBO Member. She was actively engaged in multi-disciplinary research and encouraged others to overcome the challenges of entering a new field for the benefit of intellectual and scientific advancement. With the desire of many to honour Suzanne as a scientist, mentor and friend, a fund was established in her memory.

In 2023, one EMBO New Venture Fellowship was awarded.

Five life scientists from five countries had applied.

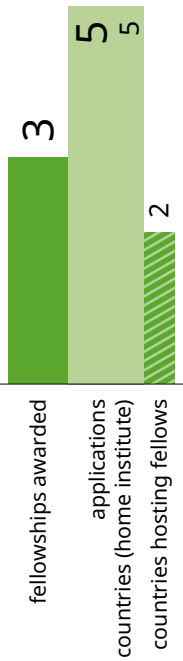
Find all 2023 EMBO New Venture Fellows on page 118.

EMBO Core Facility Fellowships

Supporting training of core facilities staff by funding international exchanges

Developing an integrated data infrastructure for
spectrometry data using iRODS, SODAR and Ga
multi-parameter immunophenotypi

EMBO Core Facility Fellowships fund international exchanges of up to one month between core research facilities in eligible countries. They are intended for the training of core facilities staff, including scientists and technicians, in specific techniques used in facilities that provide services to research institutions or universities. The fellowships contribute towards the fellow's travel and subsistence costs.



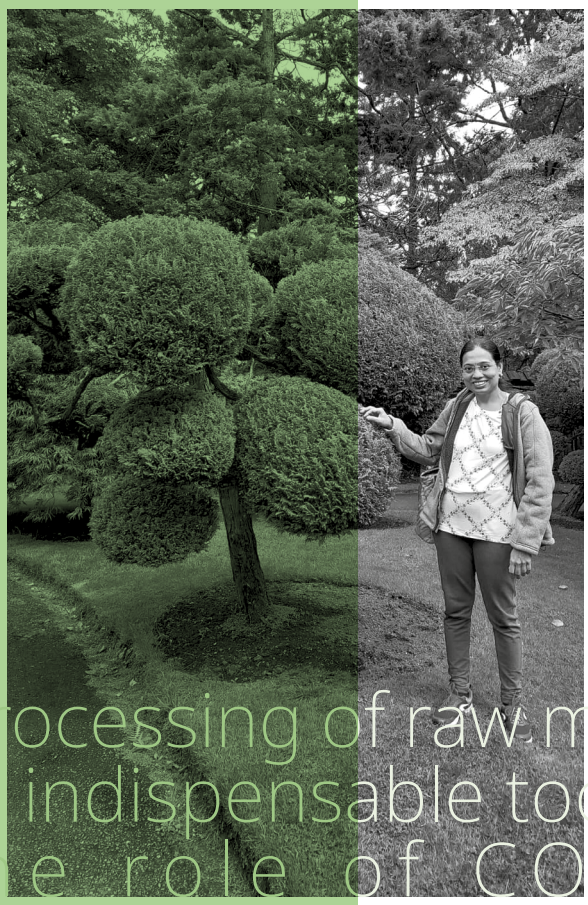
In 2023, three EMBO Core Facility Fellowships were awarded to life scientists in two countries.

Five life scientists from five countries had applied.

In full flow
Srividhya Ravichandran

2023 EMBO Core Facility Fellow and Manager of the Flow Cytometry Core Facility at the Indian Institute of Technology, Madras, IN

Flow cytometry presents a powerful way for scientists to zoom in on the characteristics of single cells and is widely used in fields across the life sciences and medicine. Yet the method's multidisciplinary applications pose challenges for research facility technicians looking to optimise experimental results. To help meet those challenges, Srividhya Ravichandran, who is based at the Indian Institute of Technology, Madras (IITM), took part in an EMBO Core Facility Fellowship at Trinity Biomedical Sciences Institute, Dublin, Ireland.



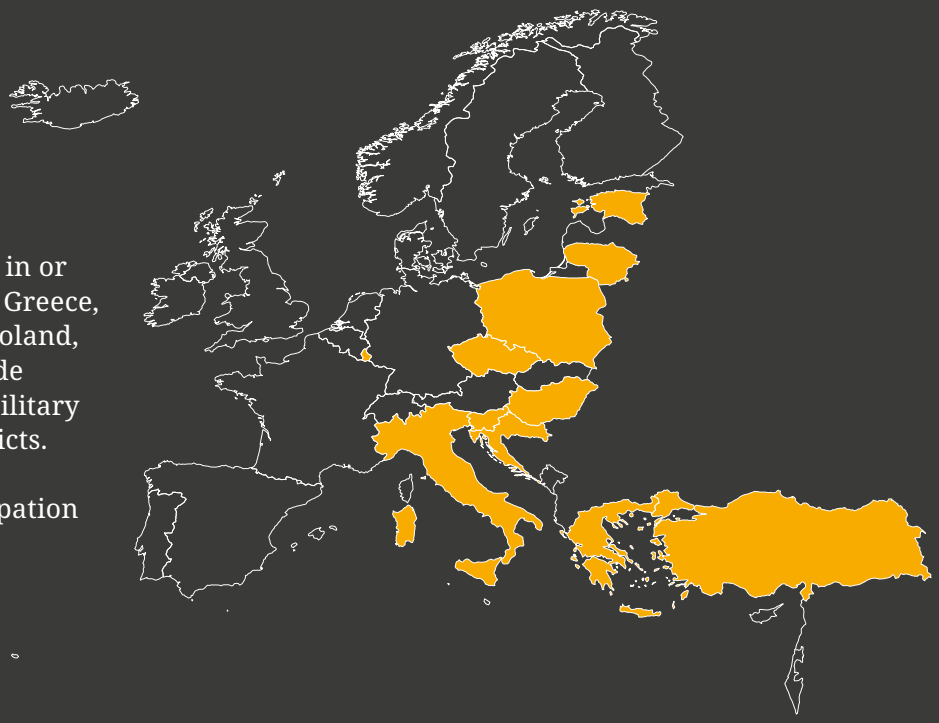
"The fellowship enabled me to learn new skills and hone my expertise in sample preparation, data analysis, and experimental setup," says Srividhya, who spent four weeks in 2023 working together with Head of Flow Cytometry, Barry Moran. "I also spent time working in a scientific wet lab, learning about the nuances of flow experiments and data analysis from researchers' perspective. Barry Moran and his team were so welcoming, and the fellowship helped me to boost my confidence in handling my core facility at IITM."

EMBO Core Facilities Fellowships were launched in 2020 to support training exchanges between scientists and technicians working in core research facilities. "Core facility staff spend a lot of time on maintenance, supervision and user training," Srividhya says. "Thorough knowledge of the most appropriate uses of flow cytometry in different experimental settings – and a touch of patience – are indispensable in answering researchers' questions, guiding them in acquiring samples and getting the best results.

"Our flow cytometry core facility was one of the first large facilities to be established in Southern India and we have a very large user base. It is very rewarding when scientists show their appreciation for our work. The EMBO Core Facility Fellowship provides a golden opportunity for technicians to fulfil their dreams of getting top training in their field and better meeting the needs of scientists across diverse fields of research."

Find all 2023 EMBO Core Facility Fellows on page 118.

Increasing participation in the EMBO Programmes throughout Europe



EMBO continued to support life scientists in or going to Croatia, Czech Republic, Estonia, Greece, Hungary, Italy, Lithuania, Luxembourg, Poland, Slovenia and Türkiye. The schemes include grants for researchers displaced by the military invasion in Ukraine or other armed conflicts.

The initiative aims to increase the participation of scientists from all over Europe in the programmes, especially in countries that currently benefit less from them.

The relevant programmes and support offerings are:

EMBO Postdoctoral Fellowships
reserved for researchers applying to work in one of the eleven participating countries

EMBO Advanced Collaboration Grants
for group leaders in the eleven countries who wish to visit scientists in other EMBC Member States, to develop or carry out collaborative projects, or to prepare joint grant applications

Funding for EMBO Early Career Lecture Courses
to train PhD students and postdoctoral researchers

Funding to invite EMBO Members and Young Investigators
to lecture at EMBO Lecture Series

Grants to attend EMBO Courses & Workshops
for researchers at any career stage

Open Access publication
at no cost in all EMBO Press journals if the first author is not covered by a national transformational agreement

EMBO Solidarity Grants
supporting life scientists displaced by armed conflicts with one-year stipends to start, continue or finish their PhD thesis; for postdoctoral research; and for research stays by scientists at the professorial and group leader level

EMBO Advanced Collaboration Grants

Supporting group leaders in participating countries to develop collaborative projects

EMBO Advanced Collaboration Grants are a scheme for group leaders in participating countries who wish to engage in exchange visits with scientists in other EMBC Member States to develop or carry out collaborative projects or prepare joint grant proposals. The participating countries are: Croatia, Czech Republic, Estonia, Greece, Hungary, Italy, Lithuania, Luxembourg, Poland, Slovenia and Türkiye.

Find all 2023 EMBO Advanced Collaboration Grantees on page 119.

In 2023, six EMBO Advanced Collaboration Grants were awarded to life scientists in four countries.

Seven life scientists from four countries had applied.

EMBO Solidarity Grants

Supporting life scientists displaced by armed conflicts

The grants were available as one-year stipends for researchers to start, continue or finish their PhD thesis, for postdoctoral researchers, and for research stays by scientists at the professorial and group leader level. The research had to be carried out in one of these countries: Croatia, Czech Republic, Estonia, Greece, Hungary, Italy, Lithuania, Luxembourg, Poland, Slovenia or Türkiye.

In 2023, 25 EMBO Solidarity Grants were awarded.

52 life scientists had applied.

Continuing careers despite displacement

Tetiana Tykhonenko

EMBO Solidarity Grantee at the University of Padua, IT

“I want to return to Ukraine to work. But at the moment, it is not possible to perform experiments there,” explains Tetiana Tykhonenko, postdoctoral researcher at the University of Padua, Italy.

When Russia invaded Ukraine, she was working as a researcher at the Palladin Institute of Biochemistry in Kyiv. In October 2022, she was able to move to Italy. In 2023, she received an EMBO Solidarity Grant, as were 26 other life scientists affected by the Russian war on Ukraine.

“Receiving this grant is a good experience for me. I can continue my scientific career despite the challenges and interruption of war,” she says. Tykhonenko is investigating organelle contact sites dynamics in physiology and in neurodegeneration.

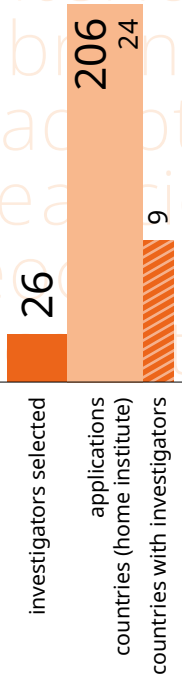
© Lucia Barazzuol, University of Padua

Find all 2023 EMBO Solidarity Grantees on page 128 onwards.

EMBO Young Investigator Programme

Supporting young group leaders in Europe and beyond

The EMBO Young Investigator Programme supports life scientists who have been group leaders for less than four years at the time of application in setting up their laboratories. Young Investigators receive financial support for networking for four years and benefit from training opportunities, support for their lab members and mentoring. They become part of an international network of more than 700 current and former EMBO Young Investigators, Installation Grantees and Global Investigators.



In 2023, 26 EMBO Young Investigators in nine countries have been selected.

206 young life scientists from 24 countries had applied.

Freedom, independence and connection

Bruno Hudry

2023 EMBO Young Investigator and group leader at the Institute of Biology Valrose in Nice, FR

Bruno Hudry was drawn to science by a fascination with the evolution of animals from sea anemones to crocodiles, zebras to humans. Yet his own research, which studies the biology underlying differences between males and females of the same species, has remained largely focused on the humble fruit fly.

"Early work into sex determination in Drosophila melanogaster came at a time before scientists had revealed the structure or nature of DNA," says Hudry, who is a group leader at the Institute of Biology Valrose in Nice, France. "It showed how physiological differences between male and female fruit flies can be traced to observable differences in their chromosomes. The beauty and simplicity of the work was amazing: it inspired me to learn some techniques in flies before transferring these to other more evolutionary-relevant organisms. However, I became so fascinated by the power of fly genetics and biology that I could not leave them," he says.

"Sex differences between males and females encompass much more than just the presence of sex organs: this translates to differences in physiology, such as body size and weight, differences in lifespan, and different susceptibility to diseases. The mechanisms driving these differences are still not well understood at the molecular level and my group aims to understand how the constitution of sex chromosomes impacts physiology in flies, which could help us to also understand differences better in humans."

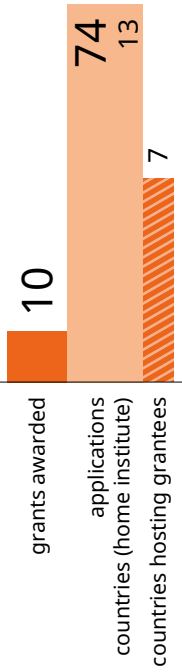
Hudry's team combines biochemistry, genetics and cell biology from the cellular to organismal level. "Joining the EMBO Young Investigator Programme will enable me to meet, connect and collaborate with multidisciplinary researchers that do and know things that could be hugely beneficial to our research," he says. "The programme emphasizes the importance of freedom, independence and connection: this is a perfect combination for new group leaders. I have been lucky enough to have been awarded several EMBO fellowships: you meet great people, have superb interactions, and new projects come out in the end. I am very happy to be a part of this incredible community."

Find all 2023 EMBO Young Investigators from page 120 onwards.

EMBO Installation Grants

Supporting group leaders who move to a host country participating in the scheme

EMBO Installation Grants support group leaders establishing laboratories in the participating countries to strengthen life sciences there. In the 2023 call, grants were available in Croatia, the Czech Republic, Estonia, Greece, Hungary, Lithuania, Luxembourg, Montenegro, Poland, Portugal and Türkiye. Installation Grantees become part of an international network of more than 700 current and former EMBO Young Investigators, Installation Grantees and Global Investigators.



In 2023, ten EMBO Installation Grants were awarded in seven countries.

74 life scientists from 13 countries had applied.

Fresh approaches to understanding neurodegeneration

Gergely Róna

2023 EMBO Installation Grantee and group leader at the Research Centre for Natural Sciences, Budapest, HU

Gergely Rona has made a habit of approaching scientific puzzles from fresh angles. “As a young student, I saw something in the literature that didn’t make sense to me,” says Rona, a group leader at the Research Centre for Natural Sciences, Budapest, Hungary. “I was invited to carry out some preliminary experiments and to my surprise they revealed unknown effects on the localization of an enzyme that plays a key role in genomic integrity and how cells function. When I saw the black and white results, I was so happy and rushed to tell my supervisor, who invited me to carry out follow-up studies for my PhD. The experience showed me that when you have an idea, dedication and support, you can make it work.”

Rona’s group studies how cells maintain their genomic integrity, and how this is linked to health and disease. “Errors in a cell’s DNA repair processes are thought to contribute to neurological disorders such as Huntington’s disease and Amyotrophic lateral sclerosis,” he says. “One area we are interested in is how non-dividing cells, such as neurons, repair and protect their genome against DNA damage, despite not being able to rely on the replication machinery. We hope this will improve understanding of what is happening in some neurodegenerative diseases before symptoms have fully onset and support the development of treatments.”

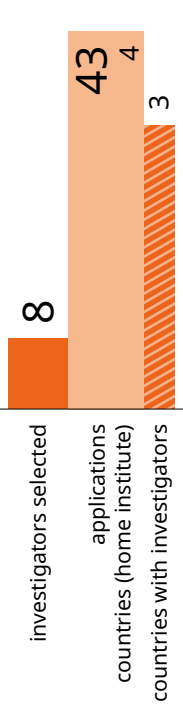
Studies will bring together biochemistry, genetics and proteomics, and Rona says his EMBO Installation Grant presents opportunities to build fruitful collaborations. “We will be able to initiate joint projects to help answer our research questions,” he says. “My team will also be able to attend meetings, take part in training courses and benefit from mentorship initiatives that will support the growth of our lab. The research is exciting because it’s new, there’s lots to discover, and it’s a high-risk high-gain proposal. I’m grateful for all the support I got during my postdoctoral years from my supervisor, peers and colleagues that set me up for this path. Now this grant is an amazing jump-start to life as a group leader: it supports me in following my dreams and will also help my team members to achieve theirs.”

Find all 2023 EMBO Installation Grantees on page 126.

EMBO Global Investigator Network

Supporting young group leaders in Chile, India, Singapore and Taiwan

The EMBO Global Investigator Network supports group leaders who, at the time of application, are within their first six years of setting up their laboratories in Chile, India, Singapore or Taiwan. Global Investigators receive financial support for four years for training and networking activities, providing them with opportunities to form collaborations with scientists in their region and in Europe. They become part of an international network of more than 700 current and former EMBO Young Investigators, Global Investigators and Installation Grantees.



In 2022, eight EMBO Global Investigators in three countries have been selected.

43 life scientists from four countries had applied.

Putting mitochondria on the map
Anna Barron

2023 EMBO Global Investigator and group leader at the Lee Kong Chian School of Medicine, Nanyang Technological University, SG

Anna Barron wanted to study the brain because it felt like one of the last unconquered frontiers of science. “The brain is what makes people who they are,” says Barron, whose group studies the role of mitochondrial dysfunction in neurodegenerative disorders at the Lee Kong Chian School of Medicine, Nanyang Technological University, Singapore. “Everything we see, touch, hear, think, feel and remember is generated by this amazing organ. Yet there is still so much to learn, especially when it comes to neurological diseases such as Alzheimer’s, which can rob people of their personality, functions and lives.”

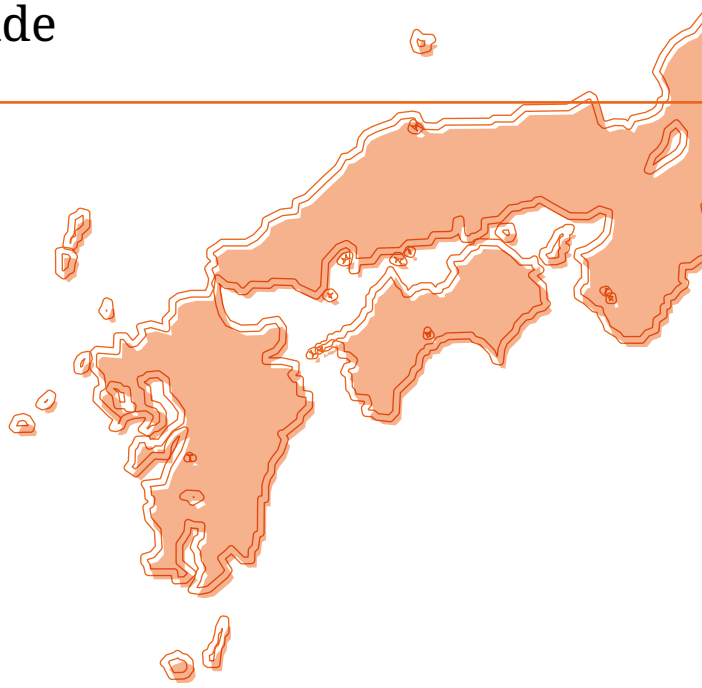
One area Barron is particularly interested in is the role of mitochondria in the context of brain development, health, ageing, and disease. “Mitochondria are not only responding to the energy needs of the cell, but also play important roles in communication within the cell such as its function and fate, and essentially we want to put mitochondria on the map,” she says. “The brain is one of the most energetically demanding organs in our body, even when it’s at rest. We study the role of mitochondria in the function of very different brain cell types, such as neurons – which are rather inflexible in the way they use energy – and innate immune cells called microglia – which can adapt how they produce energy very rapidly in response to changes in the environment.”

Barron’s group integrates in vivo imaging with cellular, molecular, biochemical and behavioural approaches to explore these fundamental mechanisms. “When the COVID-19 pandemic hit, my world suddenly became very small personally and scientifically,” says Barron, “Therefore, one of the things that I am most excited about becoming an EMBO Global Investigator is the network’s focus on travel and connection that will open up opportunities to further our work. It provides the kind of international, interdisciplinary networking and training opportunities that scientists need to thrive. I hope that our work can ultimately contribute to learning how diseases such as Alzheimer’s progress and to identify potential therapeutic targets.”

Find all 2023 EMBO Global Investigators on page 127.

EMBO Global Activities

Promoting interactions within the scientific community worldwide



EMBO Global Activities promote engagement with researchers beyond Europe to strengthen mutually beneficial interactions and provide access to EMBO Programmes. Cooperation agreements have been set up with India, Singapore, the National Agency for Research and Development (ANID) of Chile and the National Science and Technology Council (NSTC) of Taiwan.

A memorandum of cooperation has been signed by EMBO and the Japan Science and Technology Agency (JST). Discussions are underway with further potential partners.

Responsible person at JST: Yuta Kawashima

Advancing life science collaborations between Europe and Japan

EMBO and the Japan Science and Technology Agency have signed a memorandum of cooperation in July 2023

The Japan Science and Technology Agency (JST) and EMBO have signed a memorandum of cooperation with the aim of promoting the life sciences in Europe and Japan and providing support for international research endeavours. The collaboration will facilitate activities that foster cooperation and knowledge exchange between scientists in the two regions.

The memorandum outlines the exploration and establishment of collaborative schemes that support life scientists, scientific meetings and research exchanges between the two entities.

"We are excited to cooperate with JST in order to support a network of excellence involving the scientific communities in Japan and Europe," said Fiona Watt, Director of EMBO.

Currently, 21 life scientists working in Japan are EMBO Associate Members, making it the second largest community of members outside Europe after the US. Election to EMBO Membership recognizes a scientist's research excellence and outstanding achievements.

Fiona M. Watt
Director
EMBO

Hashimoto Kazuhito
President
Japan Science and Technology Agency

EMBO Practical Courses

Funding for courses that provide training in experimental techniques and promote the transfer of methodologies

© EMBL Events

EMBO Practical Courses provide training in experimental techniques for researchers and core facility staff, enabling them to implement the techniques in their laboratories. The courses should last between five and ten days and are limited to 25 participants. EMBO provides funding and assists organizers in promoting the courses and creating webpages with a registration and abstract submission system.

Funding for 22 EMBO Practical Courses in 2023 was awarded.

EMBO Workshops

Funding for meetings that stimulate exchange of the latest scientific knowledge

EMBO Workshops bring together scientists who present and discuss their latest findings in different aspects of the life sciences. The meetings last between two and five days and attract up to 450 participants. EMBO provides funding and assists organizers in promoting the workshop and creating a webpage with a registration and abstract submission system. Additional funding is provided to cover additional cost of hybrid (combined in-person and virtual) meetings.

EMBO | The Company of Biologists Workshops

EMBO and The Company of Biologists fund workshops, practical courses and lecture courses in Brazil, Canada, China, Japan, Mexico, and South Korea. Organizers can be of any nationality and be based in any country in the world. The scientific organizing committee must be geographically diverse and come from more than one institute representing the topics covered in the meeting.

Childcare grants

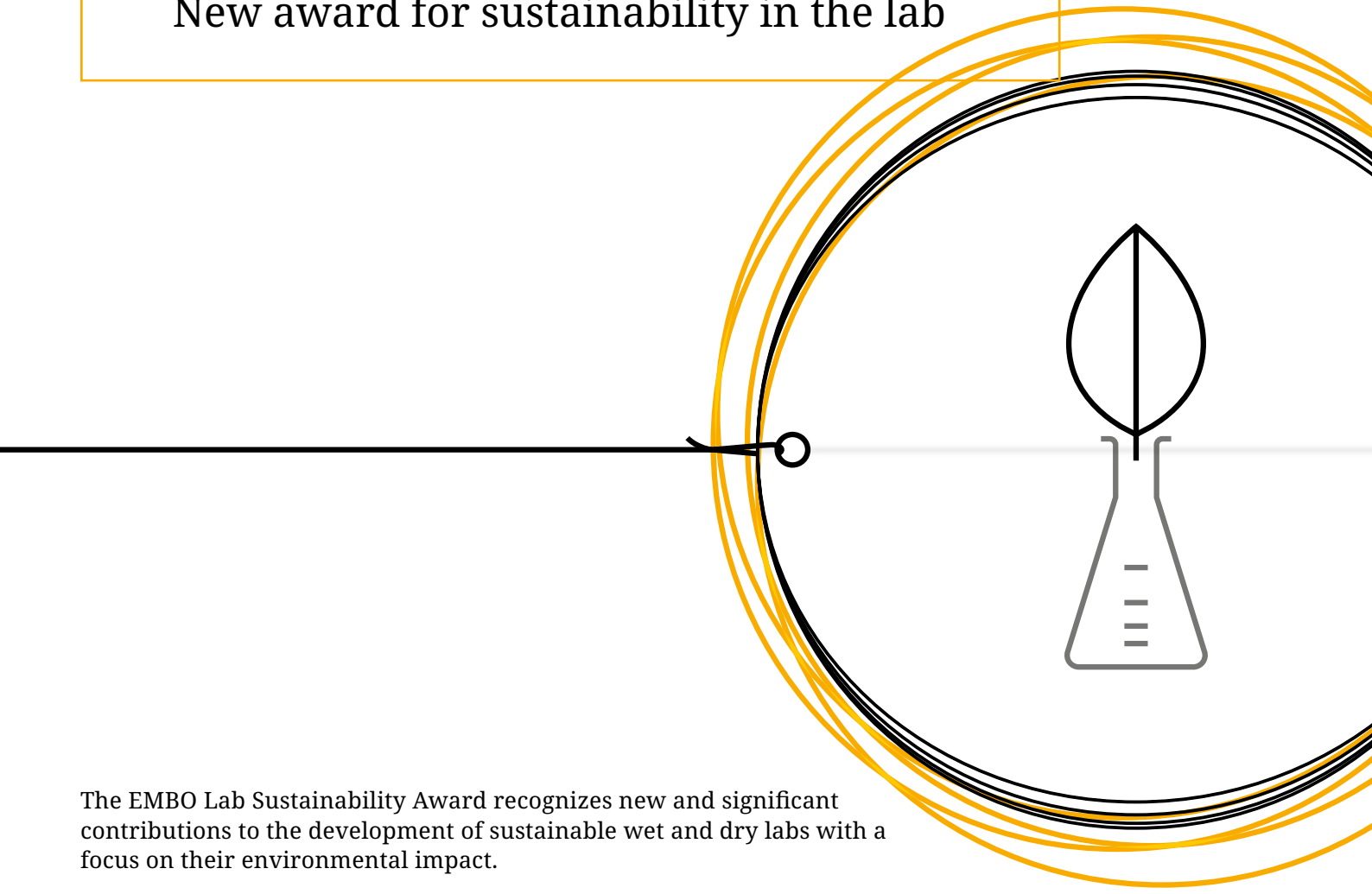
Organizers of an EMBO Workshop or Practical Course can allocate funds to offset additional childcare costs incurred by participants or speakers while participating in the meeting. The childcare grants can be used to cover fees for a babysitter or childcare facility, or for travel costs of a caregiver or for taking the child to the meeting.

Find all 2023 EMBO Workshops and Practical Courses from page 130 onwards.

Funding for 42 EMBO Workshops and two EMBO | The Company of Biologists Workshops in 2023 was awarded.

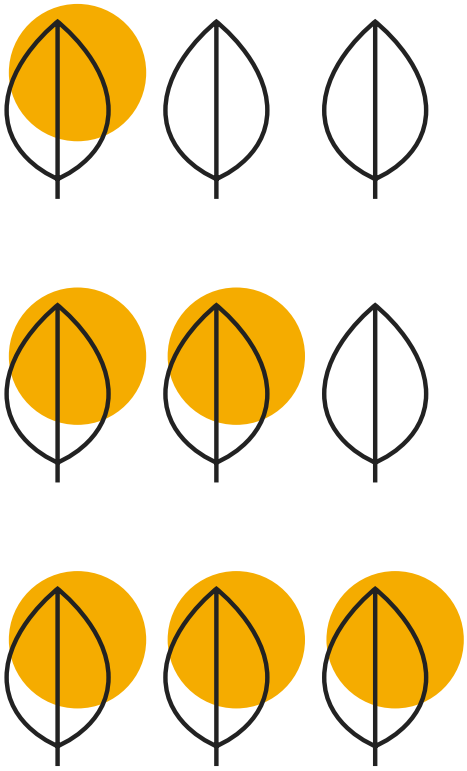
Sustainability

New award for sustainability in the lab



The EMBO Lab Sustainability Award recognizes new and significant contributions to the development of sustainable wet and dry labs with a focus on their environmental impact.

The award winner will have the opportunity to present their initiative or project at scientific events. In addition, the winning project will be supported with a grant of 10,000 euros.



The benefits of in-person meetings must be carefully weighed against their environmental impact. Therefore, EMBO also funds virtual meetings and encourages hybrid meetings by providing funding for the additional costs incurred.

EMBO introduced a sustainability badge for meetings that implement measures to reduce the environmental effect, including the CO_2 footprint. The aims are to raise awareness about the impact conferences have on climate change and to encourage scientists to consider choosing sustainable options.

Sustainability badge for EMBO Courses & Workshops

EMBO Lecture Courses

Funding for courses for PhD students and postdocs and for international scientific exchange

EMBO Early Career Lecture Courses

The EMBO Early Career Lecture Courses scheme provides funding for lecture courses to train PhD students and postdoctoral researchers in participating countries. The participating countries are: Croatia, Czech Republic, Estonia, Greece, Hungary, Italy, Lithuania, Luxembourg, Poland, Slovenia, and Türkiye.

EMBO Global Lecture Courses

EMBO Global Lecture Courses enable scientific exchange beyond European borders. They teach participants, primarily PhD students and postdoctoral researchers. The courses can take place in EMBC Associate Member States, in countries and territories with which EMBO has signed a co-operation agreement, or in countries eligible for support by EMBO and The Company of Biologists.

Funding for three EMBO Lecture Courses in 2023 was awarded.

EMBO | FEBS Lecture Courses

EMBO and the Federation of European Biochemical Societies (FEBS) support lecture courses on timely topics in biochemistry, molecular biology, and related areas. They focus on career development of PhD students and postdoctoral researchers.

India | EMBO Lecture Courses

EMBO and the DBT/Wellcome Trust India Alliance jointly fund lecture courses in India. They teach participants, primarily PhD students and postdoctoral researchers.

Find all 2023 EMBO Lecture Courses from page 132 onwards.

Lecture and travel grants

Funding for meeting organizers to invite speakers and for participants to travel to EMBO events

EMBO Member Keynote Lectures

EMBO Member Keynote Lectures are given by an EMBO Member or Associate Member at a major international scientific meeting. Organizers receive funding to cover travel and accommodation costs of the speaker, or costs associated with a virtual meeting platform.

EMBO Global Lecture Series

EMBO Global Lecture Series enhance collaboration between scientists worldwide. They are given by EMBO Members or Young Investigators at institutions outside Europe, or by leading researchers from outside Europe who visit European institutions.

EMBO Young Investigator Lectures

EMBO Young Investigator Lectures are given by an EMBO Young Investigator at a scientific meeting. Organizers receive funding to cover travel and accommodation costs.

EMBO Lecture Series

The EMBO Lecture Series scheme provides funding to invite EMBO Members, Associate Members, and Young Investigators to give lecture series at institutions in participating countries. The participating countries are: Croatia, Czech Republic, Estonia, Greece, Hungary, Italy, Lithuania, Luxembourg, Poland, Slovenia and Türkiye.

Policy Lectures

Policy Lectures address policy implications of science and technology. They are given at scientific meetings. Organizers receive funding to cover travel and accommodation costs of the speaker.

Women in Science Lectures

Women in Science Lectures address issues related to gender and diversity in science. They are given at scientific meetings funded by EMBO. Organizers receive funding to cover travel and accommodation costs of the speaker.

Travel grants and registration fee waivers

Travel grants and registration fee waivers support participants who have been selected to attend a scientific meeting funded by EMBO. They are available for EMBO Workshops, EMBO Practical Courses, EMBO | FEBS Lecture Courses, and EMBO | EMBL Symposia.

Find all 2023 lectures
from page 123 onwards.

Policy

EMBO supports excellence in research in the life sciences by providing analyses, tools and information

Research integrity

EMBO works with life scientists to create environments in which research is pursued responsibly, with integrity and to the highest standards. We help scientists to embed research integrity principles in their work. We engage internationally with stakeholders such as research integrity offices, academies, and funders to improve the governance of research integrity.

EMBO Fora on Responsible Research

EMBO conducts one-day sessions to discuss research integrity issues, dilemmas and uncertainties in scientific research, and to encourage responsible research practices. The sessions are organized and delivered in collaboration with EMBO Members in host institutes in EMBC Member States. Four fora were held in 2023.

Research assessment

EMBO engages in policy work on research assessment and its impact on evaluations of scientists and their work. Fair assessment of applications and project proposals can be compromised through the inappropriate use of quantitative indicators such as publications metrics or through biases. We foster the sharing of best practices for conducting research assessments and initiatives for improving them.

DORA and CoARA

EMBO is one of the founders of the Declaration on Research Assessment (DORA). As such, it has been at the forefront of discussions on the need to abandon the misuse of publication-based metrics in judging researchers' quality, and to change research assessment practices towards a more qualitative, informed and transparent approach. EMBO has recently joined the Coalition for Advancing Research Assessment (CoARA), an international initiative of more than 400 organizations to enhance research assessment.

Engagement

EMBO engages with the EMBO communities and other researchers in Europe and beyond. We gather and evaluate their feedback and transpose it into actions to foster their research. EMBO works with decision-makers at the European level to understand their goals and how we can contribute to achieving them. We assure that they are aware of the views and needs of researchers in the life sciences.

Women in Science

EMBO has long queried the basis of gender imbalances in the life sciences. We carry out policy analyses and use the results to propose practical measures to mitigate gender imbalances in the life sciences. We also draw attention to positive stories and role models.

Reports

EMBO analyses questions in the areas of biotechnology, Open Science, research integrity, research assessment and women in science, and makes the results openly available as reports, publications and consultation responses.

Journals and subsidiaries

EMBO Press

EMBO Press is an editorially independent publishing platform for the development of EMBO scientific publications. It is founded on the principle that scientific publishing should be transparent, fair and ethical, and must support reliable, reproducible literature.

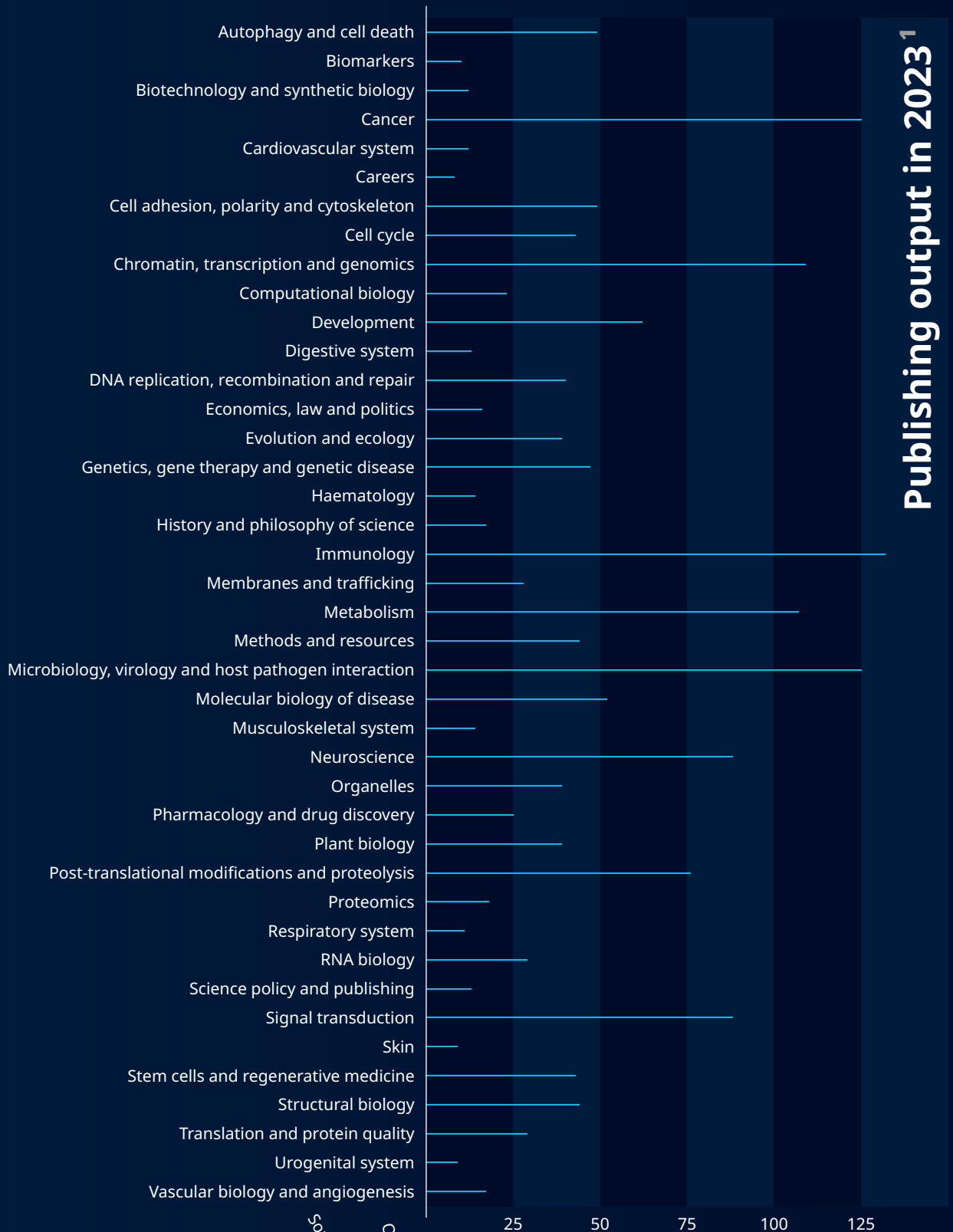
EMBOpress

THE EMBO JOURNAL | EMBO reports | molecular systems biology | EMBO Molecular Medicine | Life Science Alliance

The journals of EMBO Press publish important advances in the life sciences from around the globe, ranging from structural biology, biophysics and systems biology to cell- and developmental biology, biomedicine and ecology. EMBO Press editors execute the editorial process of Review Commons.

DORA Sustainer

Published research articles by subject category[1]
(multiple tags per article possible)



Publishing output in 2023[1]

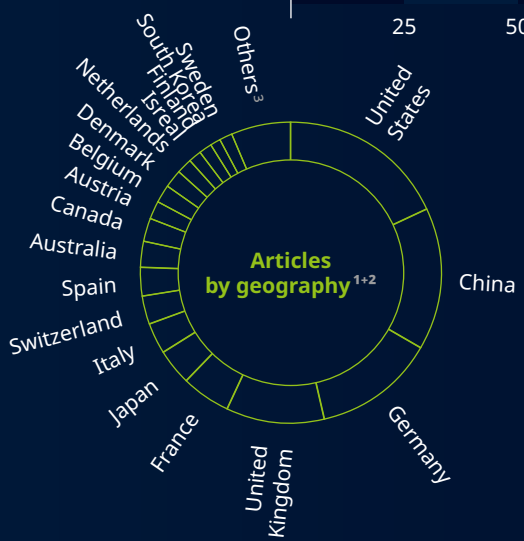
825
total articles published

655
research articles

38
review articles

132
commentaries, editorials, news and views, science and society

Articles by geography[1+2]



1 excludes Life Science Alliance
2 based on both published and accepted content
3 countries with less than ten articles

The cost of scientific publishing

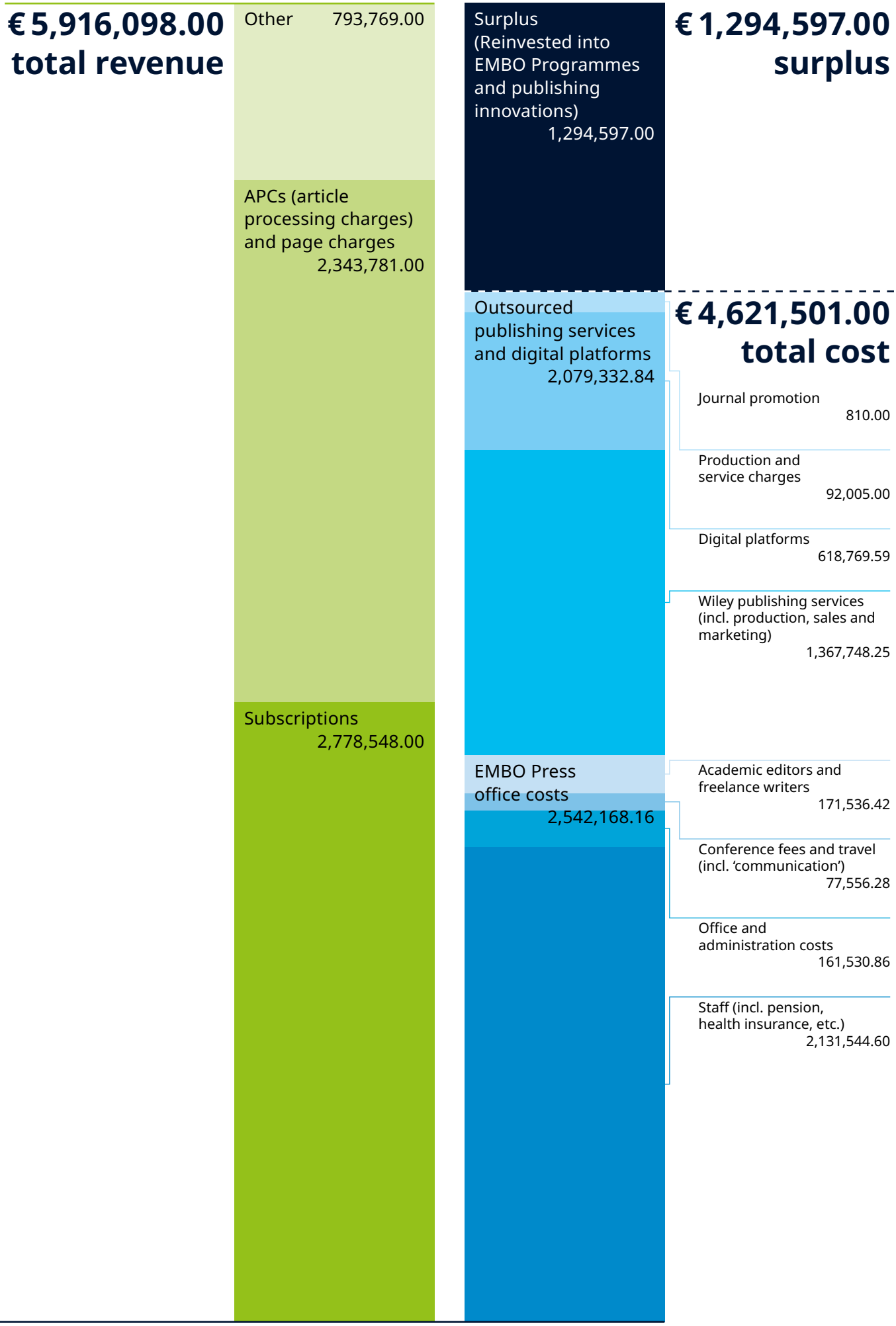
Transparent finances of the EMBO Press journals

For the fourth time after 2019, 2021 and 2022, EMBO made the finances of its scientific publications public to provide transparency about the cost and the revenue from publishing the high quality, selective journals The EMBO Journal, EMBO Reports, Molecular Systems Biology and EMBO Molecular Medicine. A fifth journal, Life Science Alliance, published in partnership with Rockefeller University Press and Cold Spring Harbor Press, is not included in this chart providing an overview of the cost and revenue structure of the four journals.

EMBO Press generated a total revenue of 5.92 million euros in 2023, mainly from subscriptions (2.78 million euros) and article processing charges (2.34 million euros). The total costs were 4.62 million euros. These consisted of office costs (2.54 million euros), mainly representing staff salaries, benefits and insurance, as well as costs for outsourced publishing services and digital platforms (2.08 million euros).

The surplus of 1.29 million euros is entirely reinvested into activities supporting life scientists, namely the EMBO Programmes and publishing innovations, e.g., Review Commons or the Open Science platforms SourceData, SDash and Early Evidence Base.

EMBOpress

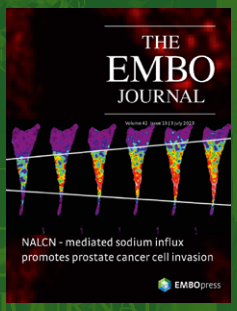

€ 5,916,098.00
total revenue
Other 793,769.00
APCs (article processing charges) and page charges
2,343,781.00
Subscriptions
2,778,548.00
Surplus (Reinvested into EMBO Programmes and publishing innovations)
1,294,597.00
€ 1,294,597.00
surplus
€ 4,621,501.00
total cost
Outsourced publishing services and digital platforms
2,079,332.84
Journal promotion
810.00
Production and service charges
92,005.00
Digital platforms
618,769.59
Wiley publishing services (incl. production, sales and marketing)
1,367,748.25
EMBO Press office costs
2,542,168.16
Academic editors and freelance writers
171,536.42
Conference fees and travel (incl. 'communication')
77,556.28
Office and administration costs
161,530.86
Staff (incl. pension, health insurance, etc.)
2,131,544.60

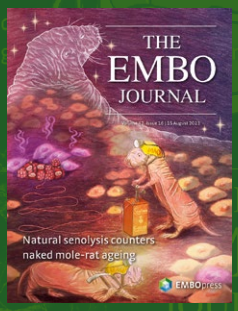
The EMBO Journal

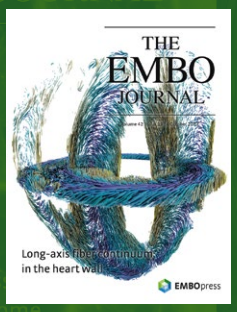
The EMBO Journal has been the EMBO flagship publication since its launch in 1982. With a scope that spans all areas of molecular, cell and developmental biology, the journal has an international reputation for quality and originality. The journal publishes research papers and reviews of broad general interest—a particular emphasis is placed on conceptual advance, molecular mechanism and physiological relevance.

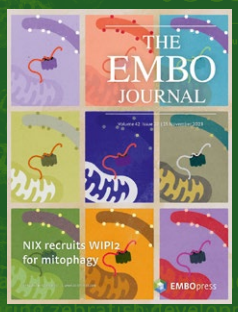
In 2023, The EMBO Journal published 68% of its papers Open Access.

THE EMBO JOURNAL



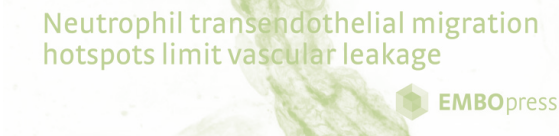


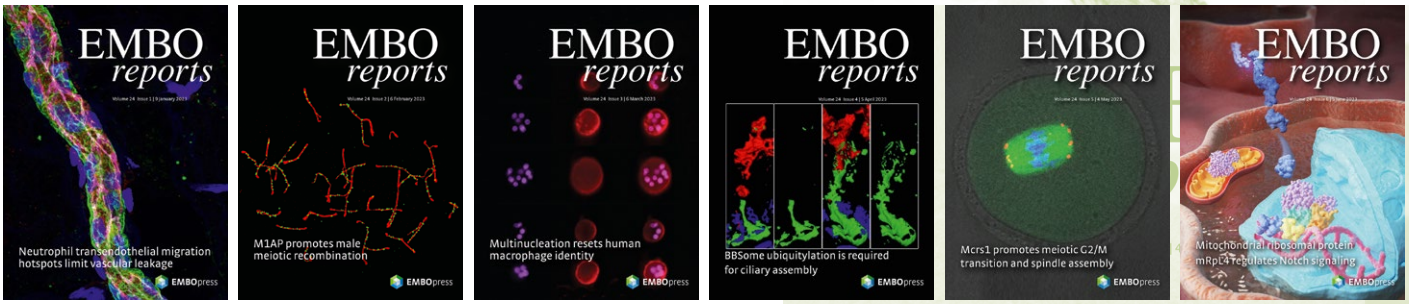




Find all 2023 editorial and advisory board members on page 141.

EMBO Reports





EMBO Reports publishes both long- and short-format papers that communicate major findings in all areas of molecular-, cell- and developmental biology, offering novel physiological, functional insight that is robustly documented by independent lines of evidence. The journal also welcomes studies that confirm important findings, refute prominent claims in the literature, as well as null data on important, open questions in the biosciences.

In 2023, EMBO Reports published 59% of its papers Open Access.

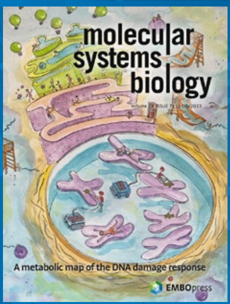
Find all 2023 editorial and advisory board members on page 142.

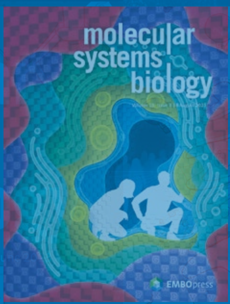
Molecular Systems Biology

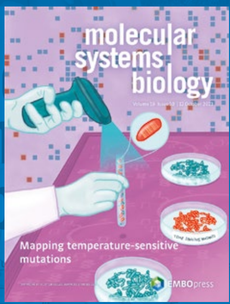
Molecular Systems Biology is an Open Access journal that publishes high-quality research papers and reviews in the fields of systems biology, synthetic biology and systems medicine.

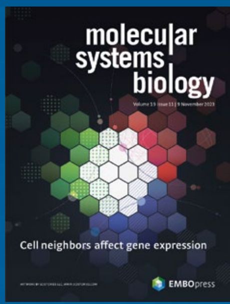
In order to better reflect the journals' commitment to covering research in the fields of molecular ecology and evolution, Yehu Moran was hired as an academic editor to handle papers for all EMBO Press journals on these topics. Moran is professor and the head of the Department of Ecology, Evolution and Behavior at the Hebrew University.

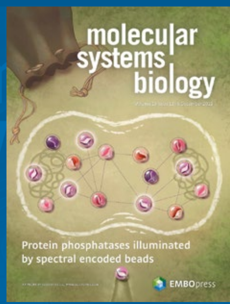
molecular systems biology





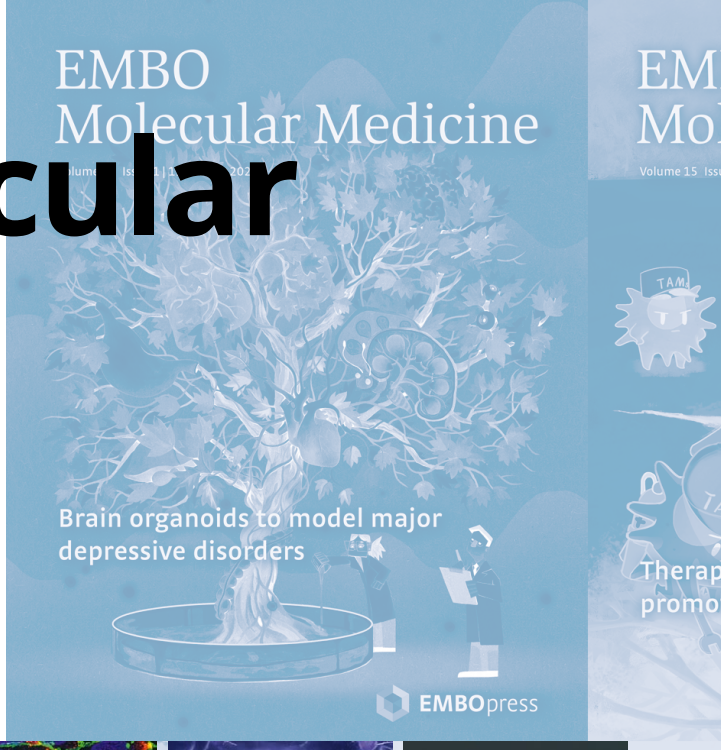


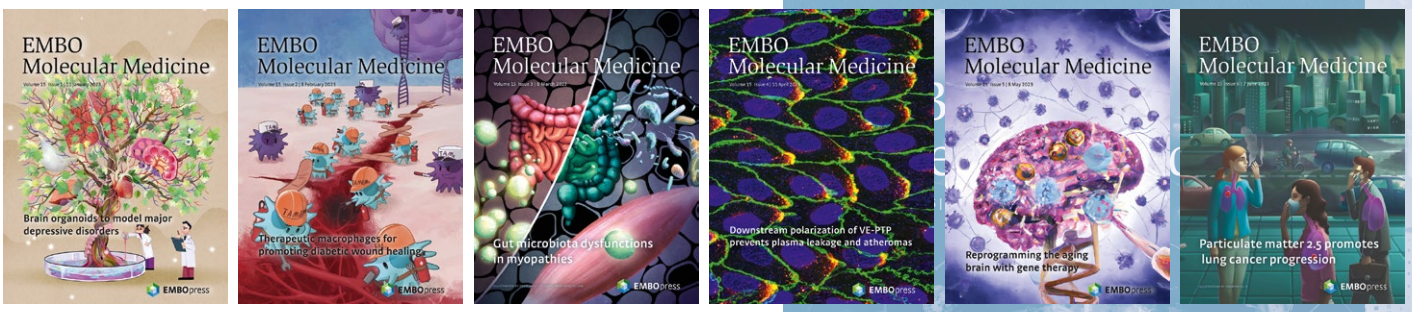


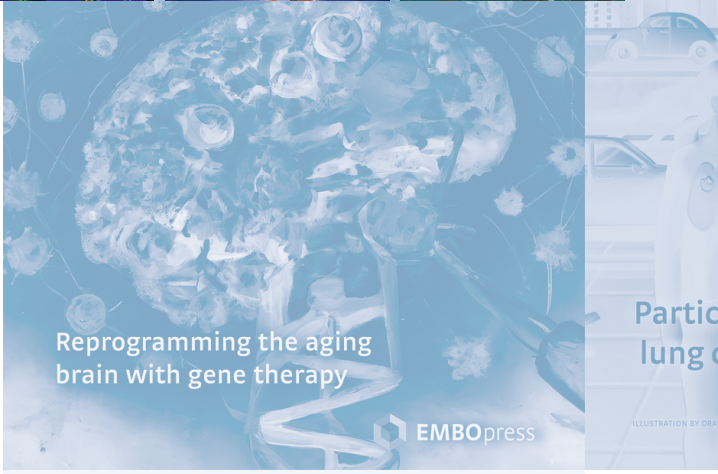


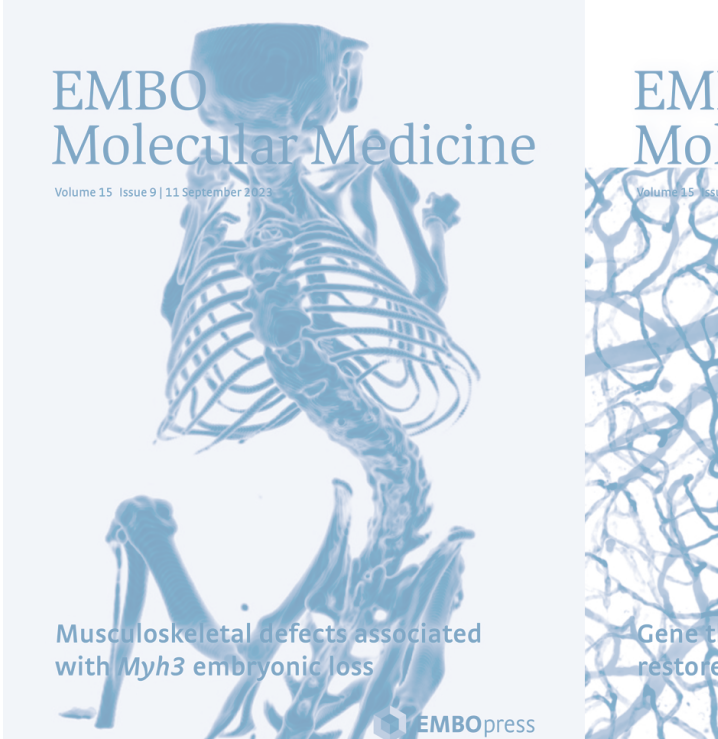
Find all 2023 editorial and advisory board members on page 142.

EMBO Molecular Medicine









EMBO Molecular Medicine is the top Open Access journal in the field of experimental medicine dedicated to science at the interface between translational and clinical research and basic life sciences. Its scope ranges from studies performed in cells and/or animals provided that they demonstrate human disease relevance to first-in-human studies and analyses of patient samples.

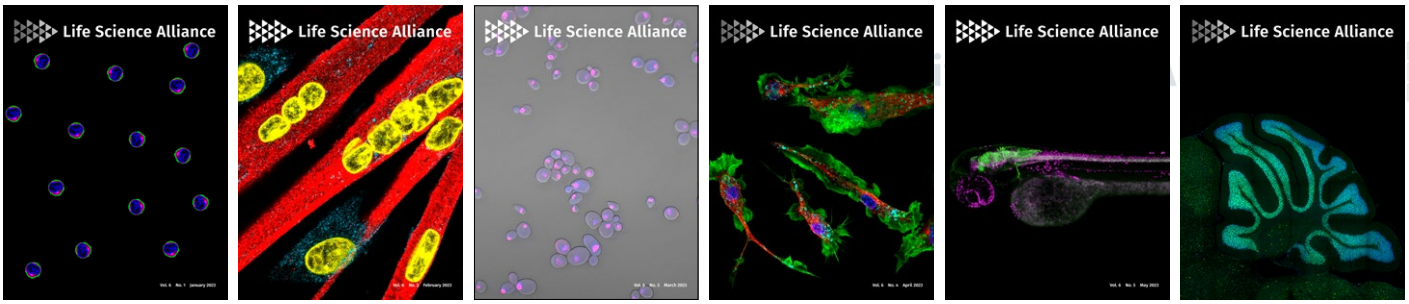
This year the journal expanded its scope to include contributions from the fields of:

- Environmental health and medicine: in particular studies in the field of environmental medicine in its functional and mechanistic aspects (exposome studies, toxicology, biomarkers, modelling and intervention)
- Clinical studies and case reports: human clinical studies providing decisive clues how to control a given disease (epidemiological, pathophysiological, therapeutic and vaccine studies), and case reports supporting hypothesis-driven research on the disease
- Biomedical technologies: studies that present innovative materials, tools, devices and technologies with direct translational potential and applicability (imaging technologies, drug delivery systems, tissue engineering and AI).

EMBO Molecular Medicine

Find all 2023 editorial and advisory board members on page 143.

Life Science Alliance



Life Science Alliance is a global, Open Access, editorially independent and peer reviewed journal founded by an alliance of EMBO Press, Rockefeller University Press and Cold Spring Harbor Laboratory Press. Papers published in Life Science Alliance meet high scientific and editorial standards established by the alliance partners. The journal welcomes new results, datasets, screens and new methods as well as important confirmatory and refuting data.

Manuscripts can be submitted to Life Science Alliance directly or by seamless transfer without reformatting from nine partner journals: The EMBO Journal, EMBO Reports, Molecular Systems Biology, EMBO Molecular Medicine, Journal of Cell Biology, Journal of Experimental Medicine, Journal of General Physiology, Genes & Development, and Genome Research.

Authors of papers invited to transfer their manuscript to Life Science Alliance with or without referee reports are given a commitment for either publication or peer review. Timely editorial decisions are made through collaborative consultation between the editorial team and leading academic scientists. No more than one round of experimental revision is requested.

EMBOpress

Rockefeller University Press

CSH PRESS Cold Spring Harbor Laboratory Press

The EMBO wholly owned, not-for-profit subsidiary EMBO Solutions is in editorial charge of the journal.

EMBO SOLUTIONS

Life Science Alliance

Find all 2023 editorial and advisory board members on page 143.

Open Science

Policy

Promoting open dissemination of knowledge

EMBO conducts policy work to identify opportunities for researchers to fully participate in Open Science, suggests options for decision-makers, conducts expert workshops and develops tools that help to remove barriers to the open dissemination of research results.

EMBO considers openness and transparency to be key values in scientific research and publishing. Making research outputs accessible, transforming peer review into a transparent process and sharing scientific knowledge openly benefits researchers and enhances scientific progress.

Review Commons

The preprint peer review platform

Review Commons speeds up the dissemination of peer reviewed scientific research by providing authors with journal-agnostic expert peer review of preprints. Reviewed preprints are posted on a preprint server along with one round of referee reports and the authors' responses. Review Commons also facilitates transfer to 28 affiliate journals published by EMBO Press, PLOS, The Company of Biologists,Life, the American Society for Cell Biology (ASCB), Portland Press, the Australian and New Zealand Society for Immunology (ASI), BMC, Cold Spring Harbor Laboratory Press, the Federation of European Biochemical Societes (FEBS), the Genetics Socitey of America (GSA) and the Royal Society. These affiliate journals make use of the peer reviews from Review Commons without starting the process afresh.

Review Commons posts the reviews and authors' replies to bioRxiv or medRxiv when authors transfer their reviewed preprint to one of the affiliate journals.

During 2023, 311 Review Commons submissions were posted as reviewed preprints, and 229 were published in an affiliate journal.

Early Evidence Base (EEB)

Navigating and assessing preprints

Early Evidence Base (EEB; eeb.embo.org) is an experimental platform that aggregates reviewed preprints from multiple peer review services to make them citable and searchable and to provide easy access to the peer review process. In addition, EEB provides programmatic access to peer review in a structured, machine-readable format that allows third party services such as EuropePMC to display the peer review process alongside the preprints.

Early Evidence Base provides access to 18,023 preprint-linked peer reviews from seven peer review platforms.

SOURCEDATA
Making data discoverable

SourceData

Making data discoverable

SourceData makes it easy to deposit the source data behind scientific publications and makes the data itself openly accessible and citable. SourceData is integrated into the publication process at EMBO Press so that figures and data submitted with a scientific paper are curated and annotated. The datasets are automatically deposited in the EMBL-EBI database BioStudies, where each paper is linked to a unique citable record that provides a single point of access to the underlying source data.

In 2023, 9,576 figure-data packages from 600 publications were curated by SourceData and deposited in a citable and searchable form at BioStudies.

EMBOpress

EMBO Press

An editorially independent publishing platform for the development of EMBO Scientific Publications

EMBO endorses the principles of Open Access (OA) publishing and FAIR data. Through the work of the EMBO Press journals, improving transparency, efficiency and objectivity of peer review is a major focus.

From 2024, The EMBO Journal and EMBO Reports will switch from encouraging OA publication to applying OA to all published papers. In addition, all research papers published in all EMBO Press journals will include the source data underlying the figures as well as sections on data availability. Citation of data and preprints will be encouraged.

The papers published in EMBO Press journals will be made available under a Creative Commons CC-BY license, which allows anyone to reuse, share or build upon the publications with appropriate citation.

Molecular Systems Biology from the EMBO Press suite of journals was launched as one of the world's first OA journals in 2005. In 2012, EMBO Molecular Medicine was one of the first highly selective journals to convert to full OA. Life Science Alliance, co-published with Rockefeller University Press and Cold Spring Harbor Laboratory Press, launched as an OA journal in 2019.

Aiding Open Science through technology

The EMBO Open Science Implementation team develops innovative methods and technologies to make the results of scientific research accessible and transparent and to derive added value from the published scientific material.

EMBO has collaborated with Cold Spring Harbor Laboratory Press, eLife/Sciety and Knowledge Futures to create a machine-readable description of the peer review workflow. This records the steps in the peer review process in a standardized form that can be transferred between different publishing platforms. EMBO has introduced this format on its Early Evidence Base (EEB) site. In 2023, EMBO partnered with EMBL-EBI to integrate EEB with the EuropePMC literature search platform, which now uses this standardized format to display the peer review process for preprints.

The Open Science Implementation team is also developing artificial intelligence (AI) technologies for use in scientific publishing. The SourceData curation workflow has enabled the distribution of a dataset of 68,543 annotated experiments in a suitable format for training AI large language models.

Additional tools are being developed to analyze and compare the scientific scope of journals, preprints, grant applications and individual researchers, facilitating the analysis of the evolution of the scientific and publishing landscape. The team is working with generative AI to analyze and process the content of the peer review process, for example by generating summaries of the peer review process that can be displayed on EEB.

Preprint peer review gains momentum

Review Commons, the platform dedicated to the peer review of preprints, expanded its family of affiliate journals to include publications from three additional organizations. Affiliate journals accept the transfer of peer reviewed preprints directly from the Review Commons online portal into their editorial workflow, where they are assessed for publication without restarting the peer review process.

An additional seven journals joined the consortium of affiliates:

- The FEBS Journal, FEBS Letters, FEBS Open Bio and Molecular Oncology from FEBS
- GENETICS and G3: Genes | Genomes | Genetics from the Genetics Society of America (GSA)
- Open Biology from the Royal Society.

The increasing number of organizations joining the Review Commons-affiliated journals also provides a forum for them to work together and harmonize their plans for future developments. A total of 13 life sciences societies and organizations are now represented in Review Commons, providing a diversity of voices and ideas with a shared commitment to the project.

EMBO Training

Leadership, communication, scientific writing, research integrity, and other professional and soft skills

The professional skills training offered by EMBO Solutions includes the flagship EMBO Lab Leadership course for principal investigators and senior postdoctoral researchers; the scientific skills training includes the highly appreciated research integrity training for PhD students and early career researchers. Training is delivered in-person in Heidelberg, Germany, worldwide in-person at institutes and universities, or live online for participants from around the world.

EMBO Solutions GmbH is a non-profit daughter company of EMBO.
The company delivers professional development training (both general professional skills and specific scientific skills) to scientists and is in editorial charge of the Open Access journal Life Science Alliance.

Achievements 2023

Convened 45 open-registration professional skills training events in Heidelberg and online

Convened 12 open-registration scientific skills training events online

Provided 48 professional skills and/or scientific skills training events at universities and institutions worldwide (in-person and online)

Delivered EMBO Training support to approximately 1,480 scientists from more than 30 countries

In-person

Leadership training

- EMBO Lab Leadership for group leaders
- EMBO Lab Leadership for postdocs

Online

Leadership training

- EMBO Lab Leadership for group leaders
- EMBO Lab Leadership for postdocs
- Negotiation for scientists
- Self-leadership for scientists
- Project management for scientists

Scientific skills training

- Scientific integrity:
  how to publish reproducible results
- Communicating research:
  paper writing and short presentations
- How to review a scientific paper
- Applying design principles to schematic figures

Sociometry session during the EMBO Fellows' Meeting 2023

Facts & figures 2023

EMBC Delegates and advisors

Austria	Hemma Bauer – Federal Ministry of Education, Science and Research Christa Schleper – University of Vienna, Archea Biology and Ecogenomics Unit
Belgium	Maria-Helena Bosschaerts – Belgian Science Policy Office Laurent Ghys – Belgian Science Policy Office Alain Heynen – Belgian Science Policy Office Cédric Blanpain – Université Libre de Bruxelles (ULB) Savvas Savvides – VIB Center for Inflammation Research
Croatia	Lovorka Barać Lauc – Croatian Science Foundation Vesna Boraska Perica – Split University Medical School
Czech Republic	Jan Buriánek – Ministry of Education, Youth and Sports Zdena Palková – Charles University
Denmark	Mads Rugaard Christensen – Ministry of Higher Education and Science Christina Nellemann Sorensen – Ministry of Higher Education and Science Poul Nissen – Aarhus Univeristy
Estonia	Elin Org – Universirty of Tartu Toivo Raim – Ministry of Education and Research Priit Tamm – Estonian Research Council Jaak Vilo – University of Tartu
Finland	Sirpa Nuotio – Research Council of Finland Olli Silvennoinen – University of Helsinki
France	Elena Hoffert – Ministère de l'Education Nationale, de l'Enseignement Supérieur et de la Recherche
Germany	Barbara Ohnesorge – Federal Ministry of Education and Research Peter Becker – Ludwig-Maximilian University Andreas Ladurner – Ludwig-Maximilian University
Greece	Nektarios Tavernarakis – Foundation for Research and Technology-Hellas (FORTH) Eleftheria Zeggini – Helmholtz Zentrum München Panagiota Katsafana – Ministry for Development and Investments
Hungary	Gergely Boehm – Hungarian Academy of Sciences Ferenc Nagy – Hungarian Academy of Sciences
Iceland	Zophonías Oddur Jónsson – University of Iceland Eiríkur Steingrímsson – University of Iceland
Ireland	Maria Nash – Science Foundation Ireland Brendan O'Reilly – Department of Further and Higher Education, Research, Innovation and Science
Israel	Iris Eisenberg – Ministry of Innovation, Science and Technology Joel Sussman – Weizmann Institute of Science Barak Gatenyo – Ministry of Innovation, Science and Technology
Italy	Lucia Banci – University of Florence Alessandro Boero – Ministry of University and Research Riccardo Valenti – Ministry of Economy and Finance
Latvia	*Uldis Berkis – Ministry of Education and Science of the Republic of Latvia* *Janis Klovins – Latvian Biomedical Research and Study Centre* *Since Latvia joined only in November 2023, no further statistics are being listed.*
Lithuania	Milda Jodinskiene – Research Council of Lithuania Virginijus Sikšnyš – Vilnius University
Luxembourg	Stephanie Schott – Ministère de la Recherche et de l'Enseignement supérieur
Malta	Joseph Borg – University of Malta Melissa Formosa – University of Malta
Montenegro	Ivana Lagator – Ministry of Science and Technological Development Lidija Vukčević – Ministry of Science and Technological Development
Netherlands	Anna Akhmnova – Utrecht University Jennifa Dorleijn – Ministry of Education, Culture and Science Mirjam Lieshout-Vijverberg – Ministry of Education, Culture and Science
Norway	Line M. Grønning-Wang – The Research Council of Norway Inge Jonassen – University of Bergen
Poland	Leszek Kaczmarek – Nencki Institute of Experimental Biology of the Polish Academy of Science Kamila Kowalska – Ministry of Education and Science Agnieszka Mierzynska – Ministry of Education and Science
Portugal	Luisa Igreja – Ministry of Science, Technology and Higher Education Claudio Sunkel – Universidade do Porto
Slovak Republic	Marcel Sládok – Ministry of Education, Science, Research and Sport of the Slovak Republic Ján Turňa – Science Park of Comenius University in Bratislava
Slovenia	Tomaz Boh – Ministry of Education, Science and Sport Andrej Ograjenšek – Ministry of Education, Science and Sport Boris Turk – Josef Stegan Institute
Spain	Ignacio Baanante – Ministry of Science, Innovation and Universities M. Angela Nieto – Instituto de Neurociencias CSIC-UMH Inmaculada Figueroa – Ministry of Science, Innovation and Universities
Sweden	Suparna Sanyal – Uppsala University Maria Thuveson – The Swedish Research Council Helena Berglund – The Swedish Research Council
Switzerland	Yves Amstutz – State Secretariat for Education, Research and Innovation Doris Wohlfender-Bühler – State Secretariat for Education, Research and Innovation Susan Gasser – ISREC
Türkiye	Güliz Sütçü – TÜBİTAK Sule Nur Sarper – TÜBİTAK
United Kingdom	Mark Palmer – Medical Research Council, UKRI Tim Willis – Biotechnology and Biological Sciences Research Council, UKRI

EMBC Officers 2022

President

Leszek Kaczmarek — Poland

Vice Presidents

Lucia Banci — Italy
Virginijus Šikšnys — Lithuania

Secretary General

Barbara Ohnesorge — Germany

Finance Committee Chair

Claudio Sunkel — Portugal

Finance Committee Vice Chair

Milda Jodinskienė — Lithuania

Finance Committee

Permanent members

France
Germany
Italy
Spain
United Kingdom

Elected members (2022–2024)

Israel
Lithuania
Norway
Portugal
Poland
The Netherlands
Türkiye

Strategic Working Party 2023

Anna Akhmanova	Netherlands
Lucia Banci	Italy
Hemma Bauer	Austria
Elena Hoffert	France
Leszek Kaczmarek *(Chair)*	Poland
Angela Nieto	Spain
Barbara Ohnesorge	Germany
Mark Palmer	United Kingdom
Anne Paoletti	France
Jale Şahin	Türkiye
Eirikur Steingrimsson	Iceland
Boris Turk	Slovenia

Contact:
Sophia Hercus
EMBC and EMBO Council Officer
EMBC_Office@embo.org

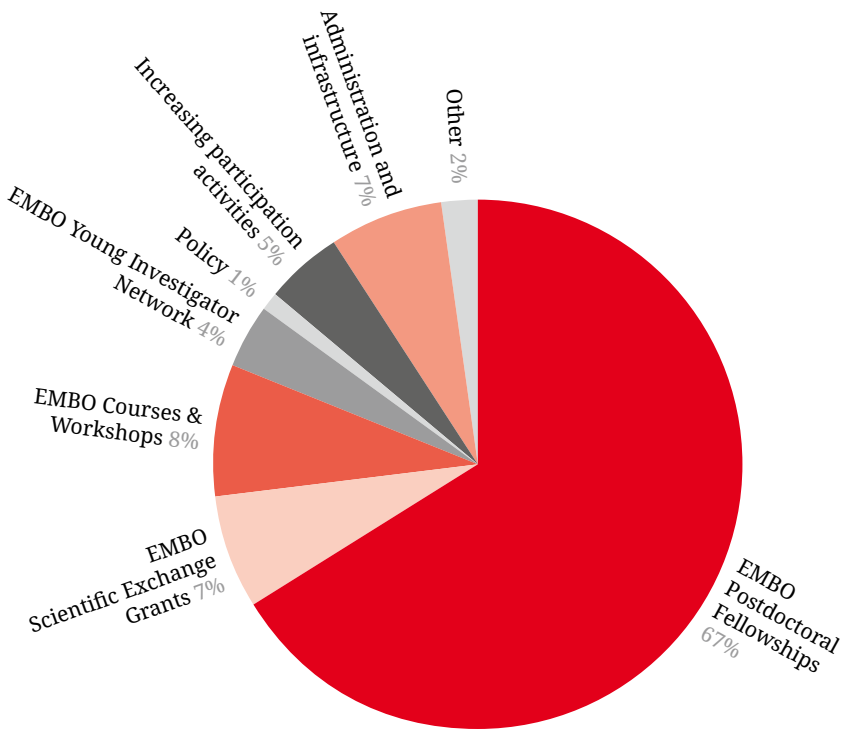
Financial contributions and use for EMBO Programmes

Entire EMBC Member States budget 2023: **Euro 29,450,000**	% of total contributions
Austria	2.00
Belgium	2.38
Croatia	0.26
Czech Republic	0.85
Denmark	1.64
Estonia	0.12
Finland	1.18
France	13.26
Germany	18.63
Greece	1.03
Hungary	0.58
Iceland	0.09
Ireland	1.05
Israel	1.63
Italy	9.74
Lithuania	0.23
Luxembourg	0.19
Malta	0.05
Montenegro	0.02
Netherlands	4.11
Norway	2.20
Poland	2.54
Portugal	1.00
Slovak Republic	0.44
Slovenia	0.20
Spain	6.44
Sweden	2.69
Switzerland	3.69
Türkiye	4.46
United Kingdom	17.30

Entire EMBC Associate Member States and Co-operation Partners budget 2023: **Euro 3,095,979**	% of total contributions
ANID of Chile	4.78
India	81.04
Singapore	10.96
NSTC of Taiwan	3.23

Budgeted use for EMBO Programmes

Rounded to full percent.



EMBO Council

EMBO Officers 2023

EMBO Secretary General	Paul Nurse
Chair, EMBO Council	Matthew Freeman
Vice Chair, EMBO Council	Michel Labouesse

EMBO Council members 2023

Elected for term(s) of office[1]	*Name*	*Country/Town*
2023-2025	Silvia Arber	CH-Basel
2022-2024	Naama Barkai	IL-Rehovot
2021-2023	David Baulcombe	UK-Cambridge
2021-2023	Déborah Bourc'his	FR-Paris
2022-2024	James Briscoe	UK-London
2023-2025	Ivan Dikic	DE-Frankfurt
2018-2020, 2021-2023	Matthew Freeman	UK-Oxford
2019-2021, 2022-2024	Eileen Furlong	DE-Heidelberg
2020-2022, 2023-2025	Crisanto Gutierrez	ES-Madrid
2023-2025	Johanna Ivaska	FI-Turku
2018-2020, 2021-2023	Michel Labouesse	FR-Paris
2019-2021, 2022-2024	Jiří Lukas	DK-Copenhagen
2021-2023	Marta Miaczynska	PL-Warsaw
2020-2022, 2023-2025	Maria Rescigno	IT-Milan
2022-2024	Brenda A. Schulman	DE-Munich

Ex officio Council members

Fiona M. Watt	Director, EMBO
Paul Nurse	Secretary General, EMBO

Observers

Leszek Kaczmarek	President, EMBC
Barbara Ohnesorge	Secretary General, EMBC
Edith Heard	Director General, EMBL
David Ron	Chair, EMBO Membership Committee
Guillermina López-Bendito	Chair, EMBO Young Investigator Committee
Nicolas Tapon	Chair, EMBO Course Committee
Malcolm J. Bennett	Chair, EMBO Fellowship Committee
Cayetano González	Chair, EMBO Global Investigator Network Committee
Karim Labib	Chair, EMBO Installation Grants Committee
Paul Nurse	Chair, EMBL SAC

Contact:
Sophia Hercus
EMBC and EMBO Council Officer
Council_Office@embo.org

1 EMBO Council members are elected for a three-year term of office and may be re-elected for one additional term.

EMBO Committees

Course Committee

2020 Nicolas Tapon UK *Chair*
2023 Andrés Aguilera ES
2020 Eva Benkova AT
2020 Carmen Buchrieser FR
2020 Janusz M. Bujnicki PL
2022 Guillermo Montoya DK
2023 Gioacchino Natoli IT
2023 Tracy Palmer UK
2023 Franck Perez FR
2022 Panayiota Poirazi GR
2020 Freddy Radtke CH
2020 Michael Sieweke DE
2021 Petr Svoboda CZ
2023 Maya Schuldiner IL
2023 Eric Westhof FR

Scientific Exchange Grants Advisory Board

2020 Claudio Alfieri UK
2023 Miguel de Lucas UK
2023 Ilaria Elia DE
2023 Sandrine Etienne-Manneville FR
2020 Robert Hänsel-Hertsch DE
2020 Bruno Hudry FR
2020 Gabriel Ichim FR
2020 Marketa Kaucka Petersen DE
2020 Nataly Kravchenko-Balasha IL
2020 Patricia Monteiro PT
2020 Silvia Portugal PT
2023 Teresa Rayon UK
2020 Jörg Renkawitz PL
2020 Adrien Rousseau UK
2020 Julia Santiago Cuellar CH
2020 David Schwefel DE
2020 Erdinc Sezgin SE
2020 Mehmet Somel TR
2023 Courtney Stairs SE
2020 Daan Swarts DE
2023 Alexander Von Appen DE
2020 Melissa Vos DE
2020 Michael Zimmermann DE
2023 Yotam Bar-On IL
2023 Aude Bernheim FR
2023 Eduardo Bonivita IT
2023 Fong Kuan Wong UK
2023 Tatjana Kleele CH
2023 Andrea Puhar UK
2023 Florent Murat FR

Fellowship Committee

2018 Malcolm J. Bennett UK *Chair*
2023 Sigal Ben-Yehuda IL
2020 Sarah Butcher FI
2020 Mario de Bono AT
2023 Filippo Del Bene FR
2023 David Drew SE
2021 Alain Goossens BE
2019 Isabel Gordo PT
2023 Ian Henderson UK
2021 Gilles Laurent DE
2019 Ben Luisi UK
2020 Vivek Malhotra ES
2021 Maria Dolores Martin-Bermudo ES
2022 Brian McStay IE
2021 Rosario Rizzuto IT
2020 Raffaella Santoro CH
2021 Bruno Silva-Santos PT
2019 Lea Sistonen FI
2020 Robert Tampé DE
2021 Boris Turk SI
2021 Štěpánka Vaňáčová CZ
2022 Danikela Matic Vignjevic FR

Young Investigator Committee

2021 Guillermina López-Bendito ES *Chair*
2021 Alexander Aulehla DE
2023 Urs Jenal CH
2021 Marcin Nowotny PL
2023 Giles Oldroyd UK
2022 Stefan Raunser DE
2020 Jan-Michael Peters AT
2021 Michael Sixt AT
2023 Sara Wickström DE
2021 Johanna Joyce CH

Installation Grants Committee

2022 Karim Labib UK *Chair*
2022 Melanie Blokesch CH
2022 Andrew Carter UK
2022 Karin de Visser NL
2023 Matteo Iannacone IT
2022 Carsten Janke FR
2023 Andreas Ladurner DE
2022 Luke O'Neill IE
2022 Giampietro Schiavo UK
2022 Katja Sträßer DE
2022 Jesper Svejstrup DK
2022 Miguel Torres ES
2022 Dolf Weijers NL

Global Investigator Network Committee

2019 Cayetano González ES *Chair*
2022 Toni Gabaldón ES
2022 Gillian M. Griffiths UK
2019 Marc Lecuit FR
2023 Ilaria Malanchi UK
2023 Simona Radutoui DK
2023 Wim Vermeulen NL
2022 Marina V. Rodnina DE
2019 Iris Salecker FR
2019 Blanche Schwappach DE

Membership Committee

2018 David Ron UK *Chair*
2023 Salvador Aznar Benitah ES
2020 Ralf Bartenschlager DE
2023 I. Sadaf Farooqi GB
2022 Stephan Grill DE
2022 Anja Groth DK
2021 Ben Lehner ES
2021 Jane Parker DE
2020 Lori Passmore UK
2020 Miguel Soares PT
2023 Pavel Tomancak DE
2023 Manuel Zimmer AT

EMBO | EMBL Symposia Committee[1]

2022 Fiona M. Watt DE *Chair*
2019 Edith Heard DE, EMBL *Chair*
2023 Nicoletta Petridou DE, EMBL *
2008 Anne Ephrussi DE, EMBL
2023 Gautam Dey IT, EMBL *
2022 Kristina Haase ES, EMBL *
2021 Duncan Odom DE
2022 Markus Ralser DE
2022 Nicolas Tapon UK
2022 Iva Tolic HR
2022 Athanasios Typas DE, EMBL

Publications Advisory Board[1]

2019 Blanche Schwappach DE *Chair*
2018 Pedro Beltrao UK *
2021 Iain Cheeseman US *
2019 Ulrich Dirnagl DE *
2017 Kristian Helin UK
2017 Chonnettia Jones US *
2021 Louise Page US *
2018 Maya Schuldiner IL

FEBS | EMBO Women in Science Committee[1]

2022 Caroline Dean UK *Chair*
2020 Frances Brodsky UK
2020 Anne Dejean FR
2020 Bassem Hassam FR
2019 Frauke Melchior DE
2020 Thomas Nyström SE
2023 Karel Riha CZ
2023 Inaki Ruiz-Trillo ES

Internal Auditor EMBL

Tomasz Smolarek

External Auditors

Central Audit Service Netherlands

EMBO Audit

KPMG

1 Committee includes EMBO Members and external advisors (*)

EMBO Members

EMBO Members elected in 2023

Name ▼	Institute	Research interest
Simon **Alberti**	Technische Universität | Dresden, Germany	Biomolecular condensates in stress and disease
Canan **Atilgan**	Sabancı University | Istanbul, Türkiye	Models for protein conformational multiplicity
Tom **Baden**	University of Sussex | Brighton, United Kingdom	Vision and the evolution of neuronal computation
Marek **Basler**	Biozentrum | University of Basel, Switzerland	Function of bacterial Type VI secretion systems
Florence **Besse**	Institut de Biologie Valrose | Nice, France	Spatio-temporal regulation of RNA in the nervous system
Rishikesh **Bhalerao**	Swedish University of Agricultural Sciences | Umeå, Sweden	Environmental control of seasonal adaptation
Dalibor **Blazek**	Central European Institute of Technology (CEITEC) | Brno, Czech Republic	CDK-dependent regulation of gene expression
Tiziana **Bonaldi**	European Institute of Oncology (IEO) | Milano, Italy; and Università degli Studi | Milano, Italy	Nuclear proteomics & gene expression in cancer
Pedro **Carvalho**	Aarhus University (AU) | Roskilde, Denmark	Organelle biogenesis and homeostasis
Pilar **Cubas**	Centro Nacional de Biotecnología (CNB) | Madrid, Spain	Genetic control of axillary bud dormancy in plants
Bart **Deplancke**	Swiss Federal Institute of Technology | Lausanne, Switzerland	Genome biology exploration using new omics tools
Elke **Deuerling**	Universität | Konstanz, Germany	Decoding the principles of cellular proteostasis
Sandra **Duharcourt**	Institut Jacques Monod | Paris, France	Programmed genome elimination in Paramecium
Paul **Dupree**	University of Cambridge, United Kingdom	Plant cell wall biosynthesis and assembly
Thijs **Ettema**	Wageningen University, Netherlands	Resolving the elusive origin of eukaryotes
Angela **Falciatore**	Institut de Biologie Physico-Chimique | Paris, France	Photobiology of microalgae
Luísa M. **Figueiredo**	Instituto de Medicina Molecular | Lisboa, Portugal	Tissue tropism and gene regulation in trypanosomes
Luca **Giorgetti**	University of Bern, Switzerland	Chromosome structure and transcription
Electra **Gizeli**	IMBB - FORTH | Heraklion, Greece and University of Crete | Heraklion, Greece	Innovation in molecular diagnostics and biosensing
Uri **Gophna**	Tel Aviv University, Israel	Microbial evolutionary genomics
Monica **Gotta**	University of Geneva, Switzerland	Regulation of (a)symmetric cell divisions
Anne **Grapin-Botton**	MPI für molekulare Zellbiologie und Genetik | Dresden, Germany	Self-organization of cells into organ communities
Simonetta **Gribaldo**	Institut Pasteur | Paris, France	Diversity and evolution of microorganisms
Mohamed-Ali **Hakimi**	Institute for Advanced Biosciences (IAB) | Grenoble, France	Host-parasite coevolution: the Toxoplasma paradigm
Muzlifah **Haniffa**	Wellcome Sanger Institute | Cambridge, United Kingdom; and Newcastle University, United Kingdom	Development and function of the immune system
Hana **Hanzlíková**	Institute of Molecular Genetics of the ASCR | Prague, Czech Republic; and University | Bern, Switzerland	DNA repair and RNA metabolism in human disease
Saskia A. **Hogenhout**	John Innes Centre | Norwich, United Kingdom	Molecular plant-microbe-insect interactions
Wolfgang **Huber**	EMBL | Heidelberg, Germany	Quantitative biology and statistics
Meritxell **Huch**	MPI für molekulare Zellbiologie und Genetik | Dresden, Germany	Tissue regeneration, cancer and organoid models
Jacek **Jaworski**	International Institute of Molecular and Cell Biology | Warsaw, Poland	Molecular neurobiology of mTOR

Name ▼	Institute	Research interest
Gáspár **Jékely**	Centre for Organismal Studies (COS) | Heidelberg, Germany; and University of Exeter, United Kingdom	Evolutionary neurobiology
Martin **Kaltenpoth**	MPI für Chemische Ökologie | Jena, Germany	Evolution and chemical ecology of insect symbioses
Lukas **Kapitein**	Utrecht University, Netherlands	Microtubules and intracellular transport
Katalin **Karikó**	University of Pennsylvania, United States; and University | Szeged, Hungary	Developing mRNA for therapy
Manfred **Kayser**	Erasmus University MC | Rotterdam, Netherlands	Molecular biology to improve forensic applications
Özlem **Keskin**	Koc University | Istanbul, Türkiye	Structural modeling of protein interactions
Gaëlle **Legube**	Université Paul Sabatier | Toulouse, France	DNA double strand break repair within chromatin
Julius **Lukeš**	Institute of Parasitology | Biology Centre Czech Academy of Science, Czech Republic; and University of South Bohemia | Ceske Budejovice, Czech Republic	Unique molecular features of protists
Julia **Mahamid**	EMBL | Heidelberg, Germany	In-cell structural biology of complex systems
Ruth C. **Massey**	University College | Cork, Ireland; and University of Bristol, United Kingdom	Defining the virulence of Staphylococcus aureus
Marco **Milán**	Institute for Research in Biomedicine | Barcelona, Spain	Growth control and tumorigenesis in Drosophila
Thorsten **Nürnberger**	Universität | Tübingen, Germany	Microbial pattern sensing in plant innate immunity
Anna C. **Obenauf**	IMP | Vienna, Austria	Combination therapies for metastatic cancer
Faith H.A. **Osier**	Imperial College | London, United Kingdom; and KEMRI-Wellcome Trust Research Laboraties | Kilifi, Kenya	Making malaria history through vaccination
Annette **Oxenius**	ETH Zurich, Switzerland	Regulation of adaptive immune responses
Anastassis **Perrakis**	Netherlands Cancer Institute | Amsterdam, Netherlands; and Oncode Institute | Utrecht, Netherlands	Integrative structural cell biology and biophysics
Eugenia **Piddini**	University of Bristol, United Kingdom	Mechanism and impact of cell competition on tissues
Michael **Potente**	Berlin Institute of Health | Berlin, Germany	Vascular biology and metabolism
Katja **Röper**	MRC Laboratory of Molecular Biology | Cambridge, United Kingdom	Dynamic behaviour of epithelia in organ formation
Stephan J. **Sigrist**	Freie Universität | Berlin, Germany	Organisation and dynamics of synaptic active zones
David **Staněk**	Academy of Sciences of the Czech Republic | Prague, Czech Republic	Formation of the RNA splicing machinery
Oliver **Stegle**	Deutsches Krebsforschungszentrum (DKFZ) | Heidelberg, Germany	Machine learning in genomics and systems genetics
Nils Christian **Stenseth**	University | Oslo, Norway	Population biology at multiple time-space scales
Ildikò **Szabò**	Università di Padova, Italy	Ion channel function in bioenergetic organelles
Alessandro **Vannini**	Human Technopole | Milano, Italy	Class III gene transcription and genome structure
Julien **Vermot**	Imperial College | London, United Kingdom	Mechanotransduction and morphogenesis
Hedda **Wardemann**	Deutsches Krebsforschungszentrum (DKFZ) | Heidelberg, Germany	Evolution and quality of adaptive immune responses
Katja **Wassmann**	Institut Jacques Monod | Paris, France	Mechanisms of oocyte meiosis
Cornelis J. **Weijer**	University of Dundee, United Kingdom	Cell and tissue dynamics during development
Maria **Yazdanbakhsh**	University Medical Centre | Leiden, Netherlands	Geo-immunology and vaccine hypo-responsiveness

Contact:
Maria Polychronidou
Programme Head
membership@embo.org

EMBO Associate Members

EMBO Associate Members elected in 2023

Name ▼	Institute	Research interest
Kathryn S.E. **Cheah**	Hong Kong University, Hong Kong	Developmental genomics and skeletal biology
Diego **De Mendoza**	Instituto de Biología Molecular y Celular de Rosario | IBR, Argentina	Lipids in membrane synthesis and signaling
Yukiko **Goda**	Institute of Science and Technology Graduate University | Okinawa, Japan	Tripartite synapse regulation in local circuits
Yukiko **Gotoh**	University of Tokyo, Japan	Cell fate control in brain development
Sean J. **Morrison**	University of Texas Southwestern Medical Center | Dallas, United States	Stem cell self-renewal and cancer cell replication
Erin K. **O'Shea**	Janelia Research Campus | Ashburn, United States	Investigating interactions between neurons & glia
Robert **Parton**	Institute for Molecular Bioscience | Brisbane, Australia	Multiscale analysis of cellular membrane function
Michael **Rapé**	University of California | Berkeley, United States	Protein degradation in development and disease
Nieng **Yan**	Tsinghua University | Beijing, China; and Medical Academy of Research & Translation | Shenzhen, China	Structural pharmacology of Nav/Cav channels

Contact:
Maria Polychronidou
Programme Head
membership@embo.org

EMBO Postdoctoral Fellowships

Applications and awards 2019–2023

Nationality	Applications (total)	%	Awards (total)	%	Success rate (%)
Austria	72	1.2	27	2.9	37.5
Belgium	96	1.6	9	1.0	9.4
Croatia	35	0.6	7	0.8	20.0
Czech Republic	74	1.3	6	0.7	8.1
Denmark	26	0.4	4	0.4	15.4
Estonia	23	0.4	2	0.2	8.7
Finland	33	0.6	5	0.5	15.2
France	600	10.2	64	6.9	10.7
Germany	540	9.2	137	14.9	25.4
Greece	100	1.7	11	1.2	11.0
Hungary	56	1.0	9	1.0	16.1
Iceland	2	0.0	0	0.0	0.0
India	498	8.5	35	3.8	7.0
Ireland	36	0.6	1	0.1	2.8
Israel	261	4.4	70	7.6	26.8
Italy	460	7.8	72	7.8	15.7
Lithuania	20	0.3	6	0.7	30.0
Luxembourg	2	0.0	0	0.0	0.0
Malta	4	0.1	0	0.0	0.0
Montenegro	1	0.0	1	0.1	100.0
Netherlands	187	3.2	37	4.0	19.8
Norway	11	0.2	1	0.1	9.1
Poland	105	1.8	16	1.7	15.2
Portugal	148	2.5	29	3.1	19.6
Singapore	9	0.2	2	0.2	22.2
Slovak Republic	38	0.6	7	0.8	18.4
Slovenia	22	0.4	7	0.8	31.8
Spain	670	11.4	82	8.9	12.2
Sweden	39	0.7	2	0.2	5.1
Switzerland	81	1.4	24	2.6	29.6
Türkiye	71	1.2	7	0.8	9.9
United Kingdom	204	3.5	21	2.3	10.3
United States / Canada	280	4.8	49	5.3	17.5
Others	1088	18.5	172	18.7	15.8
Total	5892		922		15.6

Year	Applications (total)	Awards (total)	Success rate (%)
2023	1149	135	11.7
2021	1101	228	20.7
2021	1166	224	19.2
2020	1287	150	11.7
2019	1189	185	15.6

Latvia joined the EMBC in November 2023. It will be individually listed from the 2024 edition of this publication onwards.

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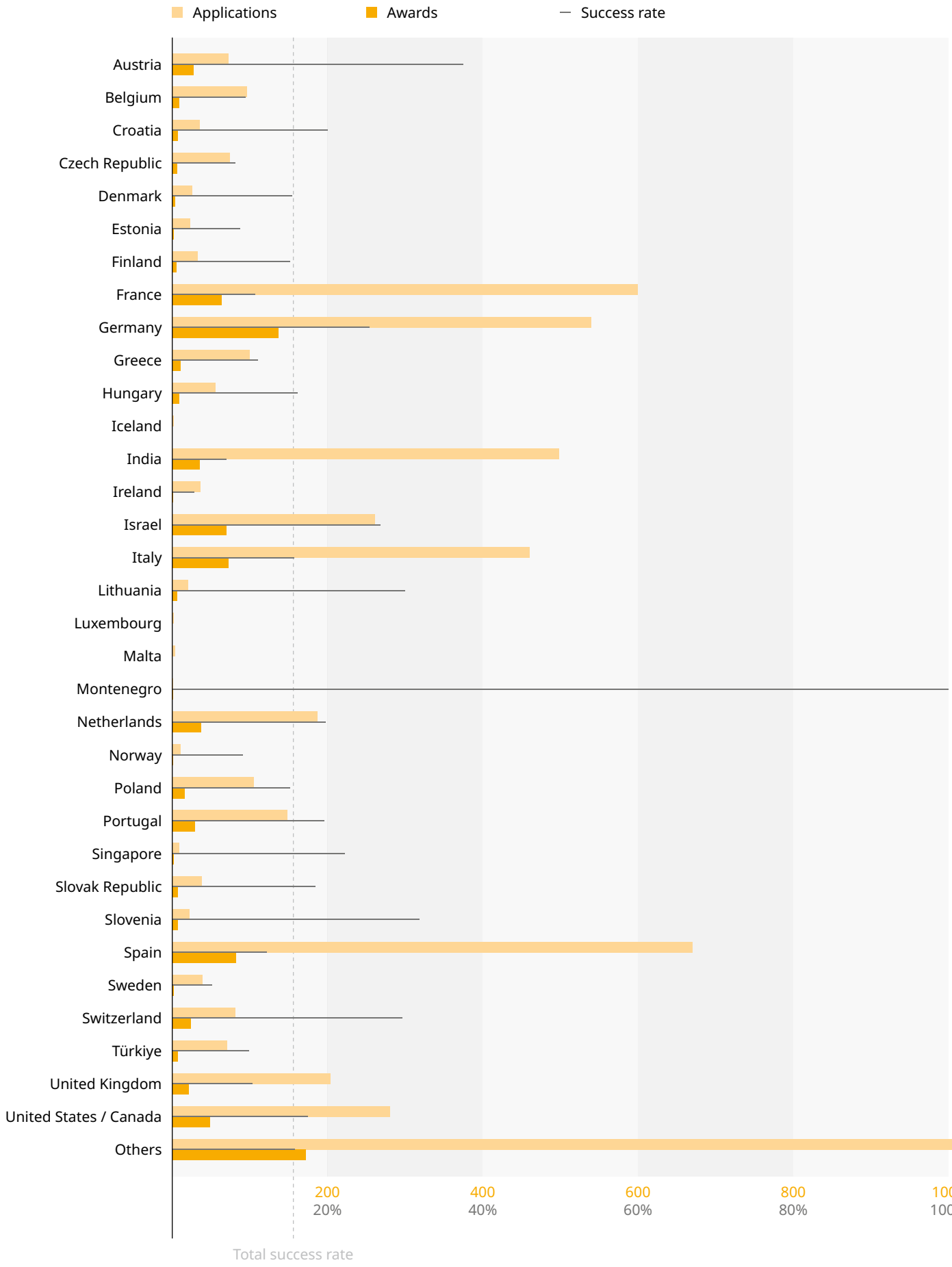
Applications and awards 2019–2023
(graphical representation)



Geographical distribution 2023

To \ From *(refers to nationality)*	Austria	Belgium	Croatia	Czech Republic	Denmark	Estonia	Finland	France	Germany	Greece	Hungary	Iceland	India	Ireland	Israel	Italy	Lithuania	Luxembourg	Malta	Montenegro	Netherlands	Norway	Poland	Portugal	Singapore	Slovak Republic	Slovenia	Spain	Sweden	Switzerland	Türkiye	United Kingdom	USA / Canada	Others	Total
Austria	1		1	2				3	4 1				3 1		1	4 1	1 1				1 1			2		1	1	2					5 2	12 3	44 10
Belgium		1						5 1	2 1	1			1			3					3 1		1	3				5			1		1	15	42 3
Croatia																																1		1
Czech Republic				1									1										2					1				1	2	8
Denmark	1	1	1	1	2			4	6 1				3			2							1	1				4			1	2	2 1	6 1	38 3
Estonia																																			
Finland								2	1															1		1			1			1	1	3	11
France		1						7 1	4 1	1	1		4	1		10 1					3 2		2	3		1		14		1	2	3 1	7	24 3	89 9
Germany	1		2	1	3			9	9 3	3	2 1		12	1	1 1	1 1		1			3		1	3	1		1	20 2	1 1	2	3	2	13 3	37 5	133 17
Greece										4																									4
Hungary											2																								2
Iceland																																			
India																																			
Ireland																												1				1	1	3
Israel								2	5 1				4			1					1									2			4	4	23 1
Italy								4	1 1	1			3			9 2					2			1				3 1						3 1	27 5
Lithuania																	2																		2
Luxembourg																												2						2	4
Malta																																			
Montenegro																																			
Netherlands		3		1				4	5 1	3	2		7	1	1	4					1		2	2				3 2			2		6	8 1	55 4
Norway									1				1															1						1	4
Poland																							1 1					2 1					1	2	6 2
Portugal	1			1				1					1								1 1			4				2 1						2 1	13 3
Singapore																																			
Slovak Republic																																		1	1
Slovenia																											1 1								1 1
Spain								5	3		1		9	1		9 1							2					9				2	3 1	13	57 2
Sweden		1				1	1	5	4	2			6			3					1 1		1			1		7			1	1	3	9	47 1
Switzerland	4 1	7 1	1		2 1			15 2	13 3	4	2		7 1	1	6 4	8 2							1 1	2 1				14		2		1	6 2	22 3	118 22
Türkiye								1								1 1																	1 1	3	6 2
United Kingdom	2 1	1	1 1				1 1	9	14 6	8	3 1	1	26		6 1	17 3					3		6	1	2 1			31 3		1 1	4		7 1	46 6	190 26
USA / Canada		7	1	5		2		32 1	36 8	6	2		1	2	25 4	16			1		6		8	3 1		1	2 1	21 2	5	9 1	1	10 3		1	203 21
EMBL[1]								1 1							1 1																			2 2
Others								1	2				1	2				1			1	1						3		1 1		1	1	1	15 1
Total	10 2	22 1	7 1	12	7 1	3	2 1	110 6	110 27	33	15 2	1	90 2	9	41 11	88 12	3 1	1	1		26 6	1	28 2	26 2	3 1	5	5 2	145 12	7 1	18 3	15	23 4	64 11	218 24	1149 135

applications top btm awards

1 EMBL (all sites) are not counted towards the country the respective site is located in.

EMBO Postdoctoral Fellowships awarded in 2023
Nationals of EMBC Member States

Name ▼	Home institute	Group leader	Host institute	Project
Anna **Adam Artigues**	Instituto de Investigación Sanitaria (INCLIVA) | Valencia, Spain	Julio Aguirre-Ghiso	Albert Einstein College of Medicine | New York, United States	Peripheral nervous regulation of bone marrow niche and early disseminated breast cancer cell dormancy
Timm **Amendt**	Universität | Ulm, Germany	Victor Tybulewicz	Francis Crick Institute | London, United Kingdom	The role of PD-L2 in memory B cell responses
Sebastian **Andersson**	Norwegian University of Science & Technology (NTNU) | Trondheim, Norway	Gilles Laurent	MPI für Hirnforschung | Frankfurt, Germany	Brain states during hibernation in Pogona vitticeps
Lucia **Baldauf**	University of Technology | Delft, Netherlands	Guillaume Charras	University College London, United Kingdom	Illuminating forces that threaten living tissues across scales
Daniel **Barabasi**	Harvard University | Cambridge, United States	Albert Cardona	University of Cambridge, United Kingdom	An integrated view of neuronal cell types from joint connectomic and transcriptomic measurements
Annalisa **Bellandi**	John Innes Centre | Norwich, United Kingdom	Olivier Hamant	École Normale Supérieure | Lyon, France	Glutamate as a spatio-temporal integrator between mechanosensing and microtubule behaviour
Rafael **Blanco Dominguez**	Centro Nacional de Investigaciones Cardiovasculares (CNIC) | Madrid, Spain	Bruno Silva-Santos	Instituto de Medicina Molecular João Lobo Antunes | Lisbon, Portugal	Molecular recognition and regulation of Vδ1 T cells in the solid tumor microenvironment
Vytaute **Boreikaite**	MRC Laboratory of Molecular Biology | Cambridge, United Kingdom	Clemens Plaschka	IMP | Vienna, Austria	Quality control of the human spliceosome
Lars **Borm**	Karolinska Institutet | Solna, Sweden	Stein Aerts	KU Leuven | Leuven, Belgium	4D omics: measuring all cells of Drosophila development to reconstruct differentiation trajectories and understand the language of the genome
Helene **Borrmann**	University of Oxford, United Kingdom	Filipa Rijo-Ferreira	University of California | Berkeley, United States	Circadian host-parasite interactions: rhythmic host cues synchronize malaria parasites
Filip **Boskovic**	University of Cambridge, United Kingdom	Jack Szostak	University of Chicago, United States	In vitro evolution of transmembrane RNA pores
Matteo **Burigotto**	University | Trento, Italy	Jeremy G. Carlton	King's College | London, United Kingdom	Phosphoregulation of ESCRT-III in nuclear envelope reformation
Lara **Busby**	University of Cambridge, United Kingdom	Megan Martik	University of California | Berkeley, United States	Building the vertebrate jaw: intrinsic and extrinsic cues in neural crest evolution and development
Adria **Cañellas-Socias**	Institute for Research in Biomedicine | Barcelona, Spain	Crystal MacKall	University | Stanford, United States	Synthetic gene circuits to generate organ-specific cancer immunotherapies
Livio Nicola **Carenza**	Leiden University, Netherlands	Askin Kocabas	Koc University | Istanbul, Türkiye	External control of biofilm growth through oxygen patterning
Alessia **Centonze**	Université Libre de Bruxelles | Brussels, Belgium	Eduard Batlle	Institute for Research in Biomedicine | Barcelona, Spain	Intrinsic and extrinsic determinants of cell plasticity during metastatic relapse in colon cancer
Gea **Cereghetti**	University of Zurich, Switzerland	Tuomas Knowles	University of Cambridge, United Kingdom	Metabolites: the dark matter of protein condensates
Alon **Chappleboim**	The Hebrew University | Jerusalem, Israel	Sharad Ramanathan	Harvard University | Cambridge, United States	Uncovering signaling mechanisms in somitogenesis using high CRISPR screens and live imaging in human organoids
Gloria **Colombo**	Institute of Science and Technology Austria (IST) | Klosterneuburg, Austria	Rosa Chiara Paolicelli	University | Lausanne, Switzerland	Dissecting the specific microglial contribution to the beneficial effects of lactate in ischemic stroke
Abel **Corver**	Johns Hopkins University | Baltimore, United States	Stanley Heinze	Lund University, Sweden	The neural basis of visually guided 3D navigation in bumblebees

Name ▼	Home institute	Group leader	Host institute	Project
Cyril **Cros**	Columbia University | New York, United States	Detlev Arendt	EMBL | Heidelberg, Germany	Elucidating the evolutionary history of associative learning
Diede **De Haan**	Weizmann Institute of Science | Rehovot, Israel	Thibaut Brunet	Institut Pasteur | Paris, France	Reconstructing the ancestral cellular mechanisms that form animal cell architectures
Adi **Doron**	Hebrew University | Jerusalem, Israel	Stephen Liberles	Harvard Medical School | Boston, United States	Neuronal mechanisms underlying state-dependent odor preference
Olli **Dufva**	University of Helsinki, Finland	Mathew J. Garnett	Wellcome Genome Campus | Hinxton, United Kingdom	Deciphering genomic determinants of immunity in tumor organoid models at single-cell resolution
Gloria **Fackelmann**	Universität | Ulm, Germany	Nicola Segata	University | Trento, Italy	The evolution of human gut microbiomes in the plastics era
Alessandro **Falconieri**	Università | Pisa, Italy	Simone Di Giovanni	Imperial College | London, United Kingdom	Aging-dependent immune-neuronal cross talk in the control of the neuronal regenerative ability
Mirco **Friedrich**	Deutsches Krebsforschungszentrum (DKFZ) | Heidelberg, Germany	Feng Zhang	Broad Institute of MIT and Harvard | Cambridge, United States	Towards a predictive understanding and engineering of thymus function
Iván **García Cunchillos**	Centre for Molecular Biology 'Severo Ochoa' | Madrid, Spain	Anna Karnkowska	University | Warsaw, Poland	Transition from endosymbiont to plastid: evolution of phototrophy in euglenids
Nicole **Geerlings**	Utrecht University, Netherlands	Holger Daims	University | Vienna, Austria	From the single cell to the community: metabolic heterogeneity and division of labor in comammox bacteria
Micaela **Giani Alonso**	University | Alicante, Spain	Silvia Stefania Rossi	Università | Pavia, Italy	Development of bioactive scaffolds based on insect-derived chitosans for wound healing application
Felix **Goerdeler**	Max Planck Institut für Kolloid und Grenzflächenforschung | Potsdam, Germany	Henrik Clausen	University | Copenhagen, Denmark	Discovery of natural endogenous ligands for innate immune regulatory receptors Siglecs & NCRs
Ben Jerry **Gonzales**	Hebrew University | Jerusalem, Israel	Thomas Mrsic-Flogel	University College London, United Kingdom	Dissecting the role of cortico-basal ganglia circuitry in evidence-based decision making
Simon Boje **Hansen**	Aarhus University, Denmark	Ohad Medalia	University of Zurich, Switzerland	Unravelling keratin structure in health and disease
Johannes **Hevler**	Utrecht University, Netherlands	Carolyn Bertozzi	Stanford University, United States	Sweet connections: deciphering the intricate relationship between glycosylation, protein function, and disease mechanisms
Lukas **Hoermayer**	Institute of Science and Technology Austria (IST) | Klosterneuburg, Austria	Mateusz Majda	University | Lausanne, Switzerland	Origin of anisotropic growth – investigation of symmetry breaking during protoplast regeneration
Gesa **Hoffmann**	Swedish University of Agricultural Sciences | Uppsala, Sweden	Marco Incarbone	MPI für molekulare Pflanzenphysiologie | Potsdam-Golm, Germany	Investigation of host factors regulating virus proliferation in plant stem cells and germline
Maximilian **Hoffmann**	Charité - Universitätsmedizin | Berlin, Germany	Gaby Maimon	Rockefeller University | New York, United States	Long-term visual learning in Drosophila
James **Horton**	University | Bath, United Kingdom	Ivan Matic	Institut Cochin | Paris, France	Determining the role of higher-order genome structure on bacterial mutation rates
Jasper **Janssens**	KU Leuven | Leuven, Belgium	Barbara Treutlein	ETH Zurich | Basel, Switzerland	Exploring gene regulatory innovations of the great ape cerebellum development using organoids
Michael **Jenkyn Bedford**	MRC Laboratory of Molecular Biology | Cambridge, United Kingdom	Sebastian Klinge	Rockefeller University | New York, United States	Investigating the mechanisms of quality control during eukaryotic ribosome biogenesis
Johannes **Kappel**	Max Planck Institute for Biological Intelligence | Martinsried, Germany	Rainer Friedrich	University of Bern, Switzerland	Reconstructing the wiring logic of a spatial cognitive map

Name ▼	Home institute	Group leader	Host institute	Project
Eva **Kaulich**	MRC Laboratory of Molecular Biology | Cambridge, United Kingdom	Erin M. Schuman	MPI für Hirnforschung | Frankfurt, Germany	Understanding synaptic activity-states though their transcriptomic signatures
Tomas **Kay**	University | Lausanne, Switzerland	Daniel Kronauer	Rockefeller University | New York, United States	The neurological basis of behavioral differences in ants
Julia **Kazmierski**	Charité - Universitätsmedizin | Berlin, Germany	Melanie Ott	University of California | San Francisco, United States	Unveiling the cryptic HIV tissue reservoir: generation of cell models and in-depth exploration using single-cell sequencing and CRISPR technologies
Maximilian **Kirschhock**	Universität | Tübingen, Germany	Nachum Ulanovsky	Weizmann Institute of Science | Rehovot, Israel	Neurobiology of goal-directed navigation in complex naturalistic environments: Insights from flying bats
Sanne **Klompe**	Columbia University | New York, United States	Didier Mazel	Institut Pasteur | Paris, France	Elucidating the role of the non-canonical base 2-aminoadenine in successful phage replication
Adi **Kol**	The Hebrew University | Jerusalem, Israel	Andreas Lüthi	University of Bern, Switzerland	Simultaneous population dynamics underlying associative learning in the amygdala and the prefrontal cortex
Laura **Kracht**	University Medical Center | Groningen, Netherlands	Jürgen Knoblich	IMBA | Vienna, Austria	Effects of microglial maturation on neuronal function in the context of ASD
Bernhard **Kramer**	University of Zurich, Switzerland	Marvin E. Tanenbaum	Hubrecht Institute | Utrecht, Netherlands	The role of intracellular infection dynamics in shaping viral evolution
Lorenz **Kretschmer**	Technische Universität | München, Germany	Sarah A. Teichmann	Wellcome Genome Campus | Hinxton, United Kingdom	Decoding the development of immunological memory in humans
Sarah **Krieg**	RWTH University | Aachen, Germany	Sarah-Maria Fendt	KU Leuven | Leuven, Belgium	How is the acetyltransferase Kat2a regulated by palmitate in breast cancer metastases?
Marius **Lange**	Helmholtz Zentrum München | Neuherberg, Germany	Barbara Treutlein	ETH Zurich | Basel, Switzerland	A framework for understanding brain organoid models of neurodevelopmental disorder
Alexis **Lebecq**	École Normale Supérieure | Lyon, France	Dominique C. Bergmann	Stanford University, United States	Probing the polarity-development interface in the stomatal lineage of plant
Ohad **Lewin-Epstein**	Weizmann Institute of Science | Rehovot, Israel	Christopher Smillie	Massachusetts General Hospital | Boston, United States	Decoding the role of microbiome ecology and evolution in inflammatory diseases
Klaudia **Maruszczak**	Universität | Tübingen, Germany	Agnieszka Chacinska	International Institute Molecular Mechanisms & Machines PAS | Warsaw, Poland	Mitochondria-associated mechanisms underlying neurodegeneration
Yentel **Mateo-Otero**	University | Girona, Spain	Richard Tyser	University of Cambridge, United Kingdom	Expanding the cardiac progenitor pool: characterising the molecular mechanisms governing Juxta-Cardiac Field specification and differentiation
Sandro Michael **Meier**	ETH Zurich, Switzerland	Dan Jarosz	Stanford University School of Medicine, United States	Control of host behavior by a prion element in the microbiome
Dolma **Michellod**	Max-Planck-Institut für Marine Mikrobiologie | Bremen, Germany	Shuji Shigenobu	National Institute for Basic Biology | Okazaki, Japan	Investigating the mechanisms behind intracellular lipid transfer between animal and lipid-auxotroph symbiont
Agata **Misiaszek**	EMBL | Heidelberg, Germany	Jeffrey A. Chao	University of Bern, Switzerland	Characterizing translation dynamics of 5′ TOP mRNAs in health and diseases
Hannah **Ochner**	Universität | Stuttgart, Germany	Tanmay Bharat	MRC Laboratory of Molecular Biology | Cambridge, United Kingdom	Correlated electron microscopy and mass spectrometry imaging of the bacterial biofilm extracellular matrix
Lukas **Oesinghaus**	Technical University of Munich | Garching, Germany	Georg Seelig	University of Washington | Seattle, United States	An inverted single-cell CRISPR screen yields rich information about conditional guide RNAs

Name ▼	Home institute	Group leader	Host institute	Project
Moutasem **Omary**	The Hebrew University | Jerusalem, Israel	Cyril Zipfel	University of Zurich, Switzerland	Unveiling the roles of conserved secreted structural homologs of major plant co-receptors
Matthijs **Oude Lohuis**	University | Amsterdam, Netherlands	Leopoldo Petreanu	Champalimaud Centre for the Unknown | Lisbon, Portugal	Communication in the brain: flexible signalling with fixed lines
Irene **Pallucchi**	Karolinska Institutet | Stockholm, Sweden	Silvia Arber	Biozentrum | University of Basel, Switzerland	Brainstem neural circuits underlying forelimb motor sequences
Lucas **Paoli**	ETH Zurich, Switzerland	Aude Bernheim	Institut Pasteur | Paris, France	The ecology of microbial immunity: unraveling the ecological drivers of antiviral defense systems diversity across microbiomes
Ana **Paredes**	Centro Nacional de Investigaciones Cardiovasculares (CNIC) | Madrid, Spain	Roser Vento-Tormo	Wellcome Genome Campus | Hinxton, United Kingdom	Decoding the metabolic regulatory network governing human trophoblast differentiation and invasion
Manuel **Peris**	University | Wroclaw, Poland	Albert J.R. Heck	Utrecht University, Netherlands	Profile and decipher the composition of endogenous antibody repertoires
Martina **Peritore**	German Aerospace Center | Cologne, Germany	Simon Boulton	Francis Crick Institute | London, United Kingdom	Characterization of DNA damage sensing mechanism by SLFN11 and its regulation by post-translational modifications
Fabrizia **Pipicelli**	Max Planck Institute of Psychiatry | München, Germany	Simon Hippenmeyer	Institute of Science and Technology Austria (IST) | Klosterneuburg, Austria	Role of cell lineage in generating cell-type diversity in developing neocortex
Sandra **Reinert**	MPI für Neurobiologie | Martinsried, Germany	Thomas Mrsic-Flogel	University College London, United Kingdom	Understanding the formation of schema representations in prefrontal cortex
Philippe **Rieu**	CEA Grenoble Center | Grenoble, France	Michael Hothorn	University of Geneva, Switzerland	Regulation of plant phosphate sensing, transport and signaling by inositol pyrophosphate nutrient messengers
Patrik **Risteski**	Ruđer Bošković Institute | Zagreb, Croatia	J. Ross Chapman	University of Oxford | MRC, United Kingdom	Uncovering the role of BRCA1-A complex in mitotic DNA repair
Laura **Rodriguez**	CSIC Institut de Biología Molecular | Barcelona, Spain	Takashi Hiiragi	Hubrecht Institute | Utrecht, Netherlands	Regulation of cell growth in early mammalian embryos
Lukas **Rohland**	Zentrum für Molekulare Biologie (ZMBH) | Heidelberg, Germany	Jan Löwe	MRC Laboratory of Molecular Biology | Cambridge, United Kingdom	In situ structural and mechanistic investigations of the bacterial divisome using electron cryotomography
Sheila **Roitman**	Technion | Haifa, Israel	Detlef Weigel	MPI für Entwicklungs-biologie | Tübingen, Germany	The microvirome: expanding the plant holobiont
Merrit **Romeike**	Max Perutz Labs | Vienna, Austria	Ludovic Vallier	Berlin Institute of Health | Berlin, Germany	Metabolic control of hepatic cell function
Gili **Rosenberg**	Weizmann Institute of Science | Rehovot, Israel	Knut Drescher	Biozentrum | University of Basel, Switzerland	Heterogeneity of host, pathogen, and their interaction mechanisms during urinary tract infections
Jaime **Santos**	Universitat Autònoma de Barcelona | Cerdanyola, Spain	Bernd Bukau	Zentrum für Molekulare Biologie (ZMBH) | Heidelberg, Germany	Role of molecular chaperones in co-translational assembly of protein complexes in human cells
Carmen **Schäfer**	Erasmus University | Rotterdam, Netherlands	Daniel Huber	University of Geneva, Switzerland	Reaching into space: probing the causal link between motor cortex activity and directional movements
Anna **Schmücker**	Gregor Mendel Institute of Molecular Plant Biology | Vienna, Austria	Christian Speck	Imperial College | London, United Kingdom	Unraveling the establishment of the human DNA replication timing program
Patricia **Scholz**	Universität | Göttingen, Germany	Yvon Jaillais	École Normale Supérieure | Lyon, France	Elucidating the mechanisms of membrane self-organisation processes in rapid auxin signalling and their importance in signal specificity
Mireia **Seuma**	Institute for Bioengineering of Catalunya | Barcelona, Spain	Philipp Holliger	MRC Laboratory of Molecular Biology | Cambridge, United Kingdom	Engineering the ribosome for a genetic code expansion

Name ▼	Home institute	Group leader	Host institute	Project
Itai **Sharon**	McGill University | Montreal, Canada	Ohad Medalia	University of Zurich, Switzerland	Structural characterization of the nuclear lamina during embryogenesis
Shlomit **Sharoni**	Weizmann Institute of Science | Rehovot, Israel	Mick Follows	Massachusetts Institute of Technology (MIT) | Cambridge (MA), United States	The effect of variations in phytoplankton macromolecular composition on ocean oxygen budget
Dawafuti **Sherpa**	MPI für Biochemie | Martinsried, Germany	Sichen Shao	Harvard Medical School | Boston, United States	Understanding how E3 ubiquitin ligases regulate mRNA stability and translation
Antonio **Sponga**	Max Perutz Labs | Vienna, Austria	Ana Casañal	Human Technopole | Milano, Italy	Molecular mechanisms regulating the human m6A writer complex
Jessica **Stock**	Research Institute of Molecular Pathology | Vienna, Austria	Caroline Albertin	Marine Biological Laboratory | Woods Hole, United States	Molecular characterization of nervous system patterning in cephalopods
Avigail **Stokar-Avihail**	Weizmann Institute of Science | Rehovot, Israel	Athanasios Typas	EMBL | Heidelberg, Germany	Mapping the interactions between bacteria in the microbiome for targeted strain replacement
István **Taisz**	MRC Laboratory of Molecular Biology | Cambridge, United Kingdom	Nadine Gogolla	Institute of Psychiatric Phenomics and Genomics (IPPG) | Munich, Germany	Respiratory representation and its effect on emotion states
Irene **Talon**	KU Leuven | Leuven, Belgium	Ludovic Vallier	Max Planck Institute for Molecular Genetics | Berlin, Germany	Principles governing the initiation of organogenesis in human
Romane **Thouenon**	Imagine Institute | Paris, France	Grégory Verdeil	Ludwig Institute for Cancer Research | Epalinges, Switzerland	Deciphering T cell-intrinsic mechanisms that hinder anti-tumor immune responses
Gerlanda **Vella**	KU Leuven | Leuven, Belgium	Maria Rescigno	Institut national du cancer (Istituto Nazionale dei Tumori | Fondazione IRCCS) | Milano, Italy	Overcoming intratumoral microbio-ta-induced chemoresistance in sarcoma using peptide vaccine immunotherapy
Nina **Vesel**	Swiss Federal Institute of Technology | Lausanne, Switzerland	Anna Dragoš	University of Ljubljana, Slovenia	Deciphering bacterial host control by phage regulatory switches on single cell level
Maria Francesca **Viola**	KU Leuven | Leuven, Belgium	Elvira Mass	Universität Bonn, Germany	Role of macrophages in intestinal stem cell development
Henri **Voedts**	Centre de Recherche des Cordeliers | Paris, France	Jean-François Collet	Université Catholique de Louvain | Bruxelles, Belgium	Outer membrane protein homeostasis and maintenance of diderm envelope integrity by the stress-induced chaperone and protease BepA

EMBO Postdoctoral Fellowships awarded in 2023
Nationals of EMBC Associate Member States or Co-operation Partner States

Name ▼	Home institute	Group leader	Host institute	Project
Himani **Khurana**	Indian Institute of Science Education and Research | Pune, India	Martin Loose	Institute of Science and Technology Austria (IST) | Klosterneuburg, Austria	Deciphering lipid-transfer mechanism at inter-organelle membrane contact sites during autophagosome biogenesis
Sudeshna **Roy Chowdhury**	Advanced Centre for Treatment Research and Education in Cancer | Navi Mumbai, India	Andreas Mayer	University of Lausanne | Epalinges, Switzerland	A synthetic system reconstituting cargo capture and membrane fission by endosomal membrane coats
Chi Jie Matthew **Yip**	Harvard Medical School | Boston, United States	Felix Randow	MRC Laboratory of Molecular Biology | Cambridge, United Kingdom	Quality control of aberrant glycogen

EMBO Postdoctoral Fellowships awarded in 2023
Nationals of other countries

Name ▼	Home institute	Group leader	Host institute	Project
Ana **Almeida**	Instituto de Investigação e Inovação em Saude (i3S) | Porto, Portugal	Ivana Gasic	University of Geneva, Switzerland	Physiological implications of tubulin quantity control
Di **Chen**	Chinese Academy of Sciences | Beijing, China	Maximiliano G. Gutierrez	Francis Crick Institute | London, United Kingdom	Canonical and non-canonical anti-mycobacterial functions of ATG14 in macrophages
Natalia **Cortez Penso**	University of California | Davis, United States	Fabio Penna	Università | Torino, Italy	NAD+ repletion in tumor-bearing and chemotherapy-treated mice with associated cachexia
Clinton **Gabel**	Purdue University | West Lafayette, United States	Jan Schuller	Philipps-Universität Marburg, Germany	Uncovering the secret world of microbial enzymatic decorated nanowires
Zhong Yan **Gan**	Walter and Eliza Hall Institute | Parkville, Australia	Ramanujan S. Hegde	MRC Laboratory of Molecular Biology | Cambridge, United Kingdom	Mechanisms of membrane protein complex assembly
Daniel **Geiszler**	University of Michigan | Ann Arbor, United States	Nurhan Özlü	Koc University | Istanbul, Türkiye	Computational methods for open DIA
Andreea **Gheorghita**	University of Toronto, Canada	Tim Clausen	IMP | Vienna, Austria	CLPTAC – induced protein disassembly as an antimicrobial concept
Nikolay **Goncharov**	Far Eastern Federal University | Vladivostok, Russian Federation	Daniele Fachinetti	Institut Curie | Paris, France	Chromosome rearrangements as a source of centromere failure
Yangqi **Gu**	Yale University | West Haven, United States	Jason W. Chin	MRC Laboratory of Molecular Biology | Cambridge, United Kingdom	Structural study of type II secretion system by strategic crosslinking via genetic code expansion
Bin **Guan**	Jiao Tong University | Shanghai, China	Jiří Friml	Institute of Science and Technology Austria (IST) | Klosterneuburg, Austria	Molecular mechanism underlying auxin regulation of autophagy in plants
Hui **Guo**	Hospital for Sick Children | Toronto, Canada	John Briggs	MPI für Biochemie | Martinsried, Germany	Structural analysis of influenza A virus matrix protein 1
Sahar **Hani**	Leibniz-Institut für Gemüse- und Zierpflanzenbau | Großbeeren, Germany	Maria Cristina Gambetta	University | Lausanne, Switzerland	Nuclear organization of long-range gene regulatory associations in the developing fly nervous system
Katarina **Harasimov**	Max Planck Institute for Multidisciplinary Sciences | Göttingen, Germany	Kathy Niakan	University of Cambridge, United Kingdom	Conserved mechanisms of bilaminar embryonic disc formation in mammals
Amro **Hussien**	ETH Zurich, Switzerland	Sara A. Wickström	MPI für Molekulare Biomedizin | Münster, Germany	Mechano-epigenetic memories in skin fibrosis
Eunyoung **Jeong**	University of Science and Technology (POSTECH) | Pohang, Republic of Korea	Martin Beck	MPI für Biophysik | Frankfurt, Germany	How osmotic pressure across the nuclear membranes regulates nuclear envelope mechanics and NPC diameters
Samuel **Koh**	John Innes Centre | Norwich, United Kingdom	Dolf Weijers	Wageningen University, Netherlands	Decoding plant cell polarity and the control of cell division orientation
Lijuan **Luo**	University of New South Wales | Sydney, Australia	Jay C.D. Hinton	University of Liverpool, United Kingdom	The role of African Salmonella Enteritidis effector proteins in the infection of human macrophages
Rebecca **McIntyre**	University Medical Centre (UMC) | Amsterdam, Netherlands	Zachary Gerhart-Hines	University | Copenhagen, Denmark	Targeting a cassette of inhibitory G protein-coupled receptors to accelerate brown adipose energy expenditure
Chenchen **Mi**	Tsinghua University | Beijing, China	F. Ulrich Hartl	MPI für Biochemie | Martinsried, Germany	Deciphering the mechanism of Tau fibril disaggregation by the VCP chaperone machinery

Name ▼	Home institute	Group leader	Host institute	Project
Yuanrong **Pei**	John Innes Centre | Norwich, United Kingdom	Jiří Friml	Institute of Science and Technology Austria (IST) | Klosterneuburg, Austria	TIR1-generated cAMP as second messenger in transcriptional auxin signaling
Oana **Pelea**	University of Oxford, United Kingdom	Martin Jínek	University of Zurich, Switzerland	Advancing genome engineering using non-Tn7 CRISPR-associated transposon systems
Ana **Petracovici**	University of Pennsylvania | Philadelphia, United States	Dirk Schübeler	Friedrich Miesher Institute for Biomedical Research (FMI) | Basel, Switzerland	Sequence and chromatin-based regulation of CpG island promoters
Stephan **Raiders**	Fred Hutchinson Cancer Research Center | Seattle, United States	Elly M. Tanaka	IMP | Vienna, Austria	Investigating mechanisms of neuromuscular synapse specification during nerve regeneration in axolotl limbs
Blake **Rasor**	Northwestern University | Evanston, United States	Tobias J. Erb	MPI für terrestrische Mikrobiologie | Marburg, Germany	Functionally characterizing the evolutionary divergence of photosynthesis machinery in microbial autotrophs
Charles **Roussin-Leveillee**	Université de Sherbrooke, Canada	Niko Geldner	University | Lausanne, Switzerland	Understanding the root of effector-triggered immunity
Xanita **Saayman**	University of Oxford, United Kingdom	Gianni Liti	Institute for Research on Cancer and Aging (IRCAN) | Nice, France	NAT-ADAPT: understanding and harnessing natural variation in adaptability
Juan **Sanchez**	National University of Littoral | Santa Fe, Argentina	Christa Rhiner	Champalimaud Centre for the Unknown | Lisbon, Portugal	Unraveling the cellular and molecular dynamics of adult neurogenic niches
Dmitri **Segal**	University of Toronto, Canada	Georg Erich Winter	CeMM | Vienna, Austria	Rewiring transcriptional regulation by the PRC2 complex using proximity inducing pharmacology
Leonid **Serebreni**	IMP | Vienna, Austria	Jan Philipp Junker	Max-Delbrück-Centrum | Berlin, Germany	Dissecting the targeting and cell fate mechanisms of chromatin remodelers during development
Mike **Thompson**	University of Southern California (USC) | Los Angeles, United States	Ben Lehner	Centro de Regulación Genómica (CRG) | Barcelona, Spain	Using millions of random sequences to understand, predict and engineer alternative splicing and amyloid nucleation
Izabela **Todorovski**	Peter MacCallum Cancer Centre | Melbourne, Australia	Jesper Q. Svejstrup	University | Copenhagen, Denmark	Uncovering mechanisms of translation-transcription coupling during cellular stress
Inês **Trindade**	IInstituto de Tecnologia Química e Biólogia | Oeiras, Portugal	Dianne K. Newman	California Institute of Technology | Pasadena, United States	Eradicating slow-growing pathogens in chronic infections: disruption of phenazine redox cycling in Pseudomonas aeruginosa
James **Wilmouth Jr**	Genetics | Reproduction and Development Institute, France	Vivian S.W. Li	The Francis Crick Institute | London, United Kingdom	The immunomodulatory role of WNT in intestinal regeneration and cancer
Zhuqing **Xiong**	Tsinghua University | Beijing, China	Erin M. Schuman	MPI für Hirnforschung | Frankfurt, Germany	Revisiting translational regulation at neuronal synapses
Mari **Yoshida**	University | Nagoya, Japan	Yohanns Bellaïche	Institut Curie | Paris, France	Deciphering the temporal control of cell mechanosensing during development
Maria **Zagorulya**	Massachusetts Institute of Technology, United States	Charles Swanton	The Francis Crick Institute | London, United Kingdom	The impact of air pollution on lung cancer initiation in never-smokers
YuWei **Zhang**	MPI für Immunbiologie und Epigenetik | Freiburg, Germany	Nicola Aceto	ETH Zurich, Switzerland	Deciphering metabolic dependency during breast cancer metastasis

Contact:
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EMBO Scientific Exchange Grants

Applications and awards 2019–2023

Country *(refers to home institute)*	Applications (total)	%	Awards (total)	%	Success rate (%)
Austria	57	2.2	29	2.0	50.9
Belgium	47	1.8	25	1.7	53.2
Croatia	18	0.7	15	1.0	83.3
Czech Republic	53	2.1	32	2.2	60.4
Denmark	60	2.4	40	2.8	66.7
Estonia	2	0.1	1	0.1	50.0
Finland	16	0.6	11	0.8	68.8
France	77	3.0	46	3.2	59.7
Germany	99	3.9	61	4.2	61.6
Greece	36	1.4	28	1.9	77.8
Hungary	25	1.0	14	1.0	56.0
Iceland	0	0.0	0	0.0	0.0
India	157	6.2	75	5.2	47.8
Ireland	20	0.8	9	0.6	45.0
Israel	37	1.5	24	1.7	64.9
Italy	253	9.9	140	9.7	55.3
Lithuania	5	0.2	2	0.1	40.0
Luxembourg	1	0.0	0	0.0	0.0
Malta	1	0.0	1	0.1	100.0
Montenegro	2	0.1	2	0.1	100.0
Netherlands	85	3.3	52	3.6	61.2
Norway	16	0.6	11	0.8	68.8
Poland	87	3.4	47	3.3	54.0
Portugal	89	3.5	52	3.6	58.4
Singapore	3	0.1	3	0.2	100.0
Slovak Republic	2	0.1	2	0.1	100.0
Slovenia	5	0.2	3	0.2	60.0
Spain	989	38.8	560	38.9	56.6
Sweden	19	0.7	11	0.8	57.9
Switzerland	33	1.3	21	1.5	63.6
Türkiye	68	2.7	40	2.8	58.8
United Kingdom	100	3.9	66	4.6	66.0
United States / Canada	5	0.2	0	0.0	0.0
EMBL	0	0.0	0	0.0	0.0
Others	80	3.1	18	1.2	22.5
Total	2547		1441		56.6

Year	Applications (total)	Awards (total)	Success rate (%)
2023	659	304	46.1
2022	666	382	57.4
2021	341	199	58.4
2020	327	209	63.9
2019	554	347	62.6

Please note that EMBO Scientific Exchange Grants were formerly called EMBO Short-Term Fellowships.

EMBL (all sites) are not counted towards the country the respective site is located in.

As of 2017 EMBO only funds applicants from EMBC Member States, EMBC Associate Member States and EMBC/EMBO co-operation partners.

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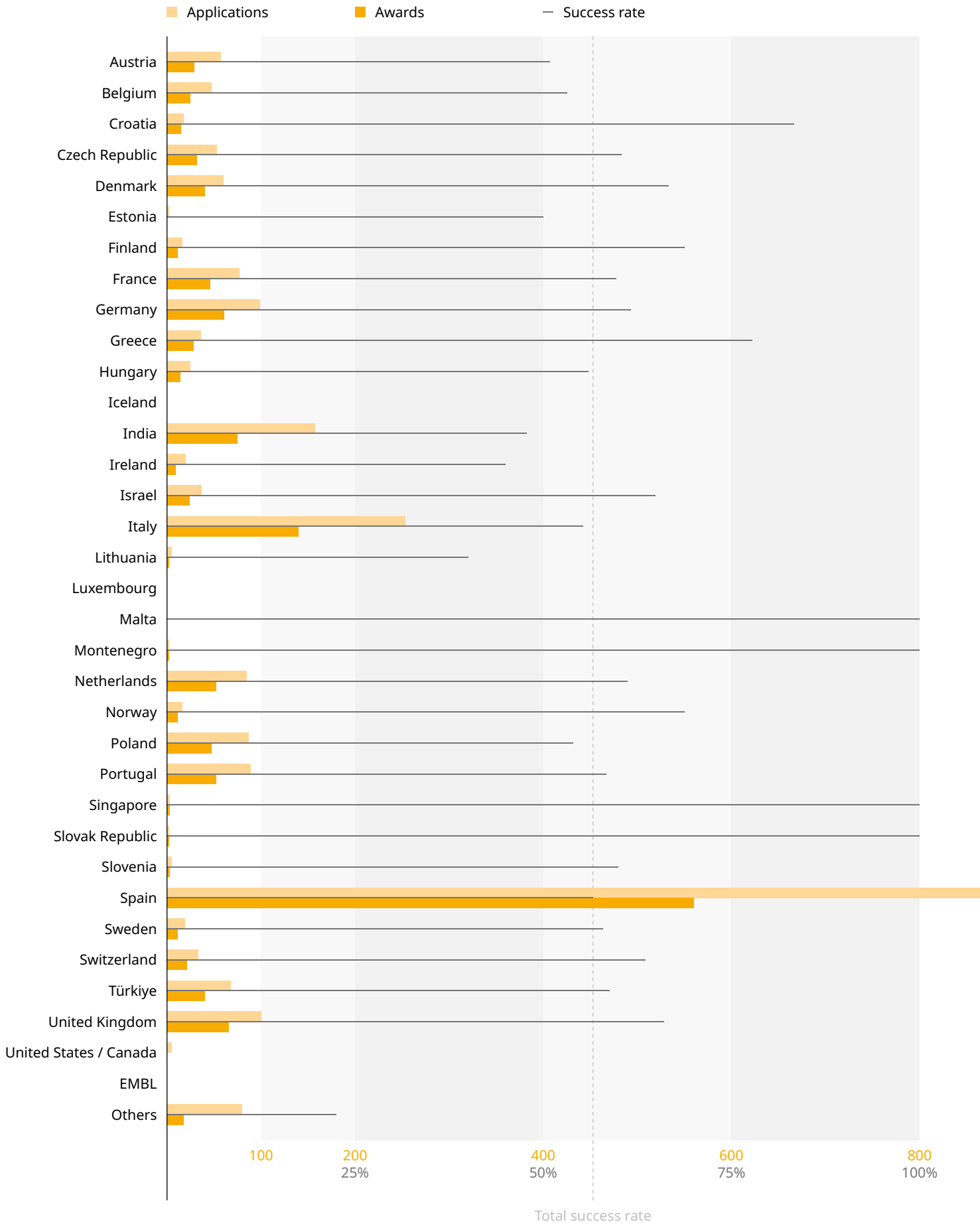
Applications and awards 2019–2023
(graphical representation)



Geographical distribution 2023

To \ From *(refers to home institute)*	Austria	Belgium	Croatia	Czech Republic	Denmark	Estonia	Finland	France	Germany	Greece	Hungary	Iceland	India	Ireland	Israel	Italy	Lithuania	Luxembourg	Malta	Montenegro	Netherlands	Norway	Poland	Portugal	Singapore	Slovak Republic	Slovenia	Spain	Sweden	Switzerland	Türkiye	United Kingdom	USA / Canada	EMBL *	Others	Total
Austria					1 1			1			1			2														7 5				2 1				14 7
Belgium					1 1			1 1	2 1				3 2			2 1					1							15 6		1		1 1				27 13
Croatia																														1 1						1 1
Czech Republic									1							1 1					1	1 1						1				1 1				6 3
Denmark				1 1							1		1		1 1	5 2					2 1		2 1	1				9 7				4 2				27 15
Estonia																												2								2
Finland	1 1												1			2 1																2				6 2
France	1 1				1		1		6 4	1 1			2 1		1 1	14 8						2 1	2 1	1				30 13			2 2	2 1			3	69 34
Germany		1		3 3	2 2			3 1		1 1	2		6 4	1	3	14 8	1 1				2 1	1 1	5 1	2				51 22	1	1 1	1 1	6 4			3	110 51
Greece					1											1 1																				2 1
Hungary			1 1																					1				1								3 1
Iceland																																				
India					1																															1
Ireland				1				1								1												4 2								7 2
Israel			1	1 1					1												1 1			1 1				2 1		1						8 4
Italy	2			2	1								1								2 2		1	5 1				6 1		1						21 4
Lithuania																																				
Luxembourg																												2 1								2 1
Malta																																				
Montenegro																																				
Netherlands	1	2 2					1 1	2	4 2				1			4 4						1	1 1	3 2				16 10								36 22
Norway		1 1		2 1	1 1																1							6 4		1 1	1	1 1			1 1	14 10
Poland									1				2 2			1												3							2	9 2
Portugal									1				1 1															6 1			1				1 1	10 3
Singapore		1 1			1		1																					2								5 1
Slovak Republic																																				
Slovenia																																				
Spain		1		2 1				2 1	4 1						2 1	6 4					3 1	1	4	2			1 1					4 3	1		1 1	34 14
Sweden	2				1 1			2	1		1 1			1			1											19 8			3 2	1 1				32 13
Switzerland		1 1		2 1	1				2							6 2							1	2 2				15 7			1 1	1			1 1	33 15
Türkiye																																				
United Kingdom	3 1	1	1	3 2	7 4			6 5	6 5		1		4 3			11 6					4 3			4 4			1	48 29	1	1 1	1 1				2	105 64
USA / Canada	1	2			2 1			1 1	1	1						3					4 1		1	1 1				37 14	2 1	2 1		1 1			1	60 21
EMBL[1]																																				
Others	1			1				1					2	1		1												7			1					15
Total	12 3	10 5	3 1	18 10	21 11		3 1	20 9	30 13	3 2	6 1		24 13	5	7 3	72 38	2 1				20 10	6 3	17 4	23 11			2 1	289 131	4 1	9 5	11 7	26 16	1		15 4	659 304

applications top btm awards

1 EMBL (all sites) are not counted towards the country the respective site is located in.

EMBO Scientific Exchange Grants awarded in 2023

Name ▼	Home institute	Group leader	Host institute	Project
Pablo **Affortit**	Institut de recherche pour le développement | Montpellier, France	Darren Wells	University of Nottingham, United Kingdom	Diversity of anatomical traits in pearl millet using Laser Ablation Tomography (LAT)
Samuel **Aguirre Infantes**	Instituto de Biología Molecular de Barcelona (IBMB) | Barcelona, Spain	Amanda Fisher	University of Oxford, United Kingdom	Study of the role of histone demethylase PHF2 in the compaction and morphology of mitotic chromosomes using imaging and proteomic analysis techniques
Abubkr **Ahmed**	King's College | London, United Kingdom	Maria Kaper	Karolinska Institutet | Solna, Sweden	Dissecting the molecular and cellular heterogeneity of dermal fibroblasts in skin fibrosis
Andrea **Aira Gomez**	Insituto de Salud Global de Barcelona | Barcelona, Spain	Jeroen Wagemans	KU Leuven | Leuven, Belgium	Phage hunting in gut microbiota: the source for phage therapy
Mª Pilar **Alfaro**	Universidad | Zaragoza, Spain	Love Dalén	Stockholm University, Sweden	aDNA analysis to understand the phylogeny and evolution of Arvicolinae (Rodentia, Mammalia)
Zeinab AlKobra **AlHajj Hassan**	Institute of Genetics and Molecular and Cellular Biology (IGBMC) | Illkirch, France	Frank Jiggins	University of Cambridge, United Kingdom	Investigating epigenetic changes underlying adaptation to high parasite exposure
Eugènia **Almacellas**	Francis Crick Institute | London, United Kingdom	Alicia Alonso	Universidad del País Vasco / Euskal Herriko Unibertsitatea | Leioa, Spain	Characterising the lipid specificity of PTPN9 for membrane binding
Hugo **Alonso Olivares**	Instituto de Biomedicina (IBIOMED) | León, Spain	Jay Gopalakrishnan	University of Cologne, Germany	Study of non-cell autonomous effects of p53 mutations associated to Li-Fraumeni Syndrome in brain morphogenesis and its implications in glioblastoma progression and chemoresponse
Isabel **Alonso Sánchez**	Centre for Molecular Biology 'Severo Ochoa' | Madrid, Spain	Mariagrazia Uguccioni	Institute for Research in Biomedicine | Bellinzona, Switzerland	Determination of the chemokine inhibitory activity in the CrmB immunomodulatory protein encoded by the diverse mpox virus clades
Francisco Javier **Alvarez De Miranda Rodriguez**	Centre for Molecular Biology 'Severo Ochoa' | Madrid, Spain	Ulrich Kalinke	Twincore | Zentrum für Experimentelle und Klinische Infektionsforschung GmbH, Germany	Spatio-temporal characterization of interferon modulation by poxviruses
Roberto **Amadio**	ICGEB | Trieste, Italy	Ana-Maria Lennon-Duménil	Institut Curie | Paris, France	Nuclear stability and cGAS activation in WASp KO myeloid cells
Jone **Amuategui Aulestiarte**	University of the Basque Country | Leioa, Spain	Gunnar von Heijne	Stockholm University, Sweden	Membrane association of the Adenylate Cyclase Toxin: unravelling the topology of crucial helical segments for the toxin activity
Sergio **Andreu Sánchez**	University Medical Center | Groningen, Netherlands	Nicola Segata	University | Trento, Italy	From strain to host: unraveling the link between gut microbial genetic diversity and health
Jessica **Angulo Capel**	ICFO – The Institute of Photonic Sciences | Castelldefels, Spain	Francesca Bottanelli	Freie Universität | Berlin, Germany	Endoplasmic reticulum-Golgi membrane contact sites in transport carrier biogenesis: a live-cell STED microscopy approach
Ana Rita **Araujo**	Instituto de Investigação e Inovação em Saude (i3S) | Porto, Portugal	Floris Foijer	European Research Institute for the Biology of Ageing | Groningen, Netherlands	Aging-related transcriptional changes along the cell cycle
Merisa **Avdovic**	Parque Científico y Tecnológico | Pozuelo de Alarcón, Spain	Dolf Weijers	Wageningen University, Netherlands	Quantitative biochemistry and evolution of auxin-DNA co-receptor system from superbug Acinetobacter baumanii
Prakhar **Awasthi**	National Institute of Plant Genome Research | Delhi, India	Steffen Abel	Leibniz Institute of Plant Biochemistry | Halle, Germany	The role of Arabidopsis TOR kinase in Fe-dependent local phosphate deficiency response

Name ▼	Home institute	Group leader	Host institute	Project
Dünya **Aydos**	University | Ankara, Türkiye	Erdinc Sezgin	Karolinska Institutet | Solna, Sweden	Identification of the association of plasma-EV biophysical profiling with atherosclerosis progression
Peio **Azcoaga**	BioDonostia Health Research Institute | San Sebastian, Spain	Sarah-Maria Fendt	KU Leuven | Leuven, Belgium	The role of Oncostatin M cytokine in cancer metabolism and metastasis formation
Laima **Bagdonaite**	University | Oslo, Norway	Radka Reifova	Charles University in Prague | Prague, Czech Republic	Gene expression analysis in testes transcriptome data of wild passerine species
Uxue **Ballesteros**	Instituto Biofisika Institutoa | Leioa, Spain	Sharon Tooze	Francis Crick Institute | London, United Kingdom	LC3C involvement in autophagosome formation
Diego **Baranda Martínez-Abascal**	Vall d'Hebron Institut de Recerca (VHIR) | Barcelona, Spain	Matthew Wood	University of Oxford, United Kingdom	Honing extracellular vesicles to inhibit KRAS in pancreatic cancer
Annica **Barizza**	Università di Padova, Italy	Giulia Nigro	Institut Pasteur | Paris, France	The immune receptor CD300e in colorectal cancer: focusing on the impact on the colonic epithelium
Daniele **Battilani**	University of Rome 'Sapienza' | Rome, Italy	Jazmin Ramos Madrigal	GLOBE Institute | Copenhagen, Denmark	A genomic perspective on wolf-dog hybrid potential adaptation to anthropic environments
Greta **Bellinzona**	Università | Pavia, Italy	Alexandre Bonvin	Bijvoet Center for Biomolecular Research | Utrecht, Netherlands	In silico structural biology to shed light on host-symbiont interactions - the case of Midichloria mitochondrii
Claudia **Beraldo**	Università di Padova, Italy	Jan Schuller	Philipps-Universität Marburg, Germany	A new insight into the structure and biochemistry of Physcomitrium patens flavodiiron proteins
Magdalena **Berkowska**	University Medical Centre (UMC) | Utrecht, Netherlands	Brandon J. DeKosky	Massachusetts General Hospital (MGH) | Charlestown, United States	Cross-reactive monoclonal antibodies to treat antibiotic resistant bacterial infections – can yeast display technology help in their identification?
Eric **Bernabeu**	University | Alicante, Spain	Eveline Peeters	Vrije Universiteit (VUB) | Brussels, Belgium	Deciphering the role of TetR-family transcriptional regulator in Haloferax mediterranei
Stase **Bielskute**	IRBB - Institut de Recerca Biomedica | Barcelona, Spain	Loren Andreas	Max Planck Institute for Multidisciplinary Sciences | Göttingen, Germany	Structural features of intrinsically disordered protein in biomolecular condensates
Ester **Blanco**	Navarrabiomed-Miguel Servet Foundation | Pamplona, Spain	Clare Bennett	University College London, United Kingdom	Engineering CAR-Macrophages to enhance immunotherapy of solid tumors
José Lucas **Blaya Cánovas**	Universidad de Jaén | Jaén, Spain	Christina Eich	University Medical Centre | Leiden, Netherlands	Encapsulation of CRISPR-Cas9 in PLGA for ATF4 gene inhibition
Francesca **Boffa**	University of Teramo | Teramo, Italy	Ramiro Alberio	University of Nottingham, United Kingdom	Investigations of the role of TGF-β in ground state pluripotency in non-rodent embryonic stem cells
Alessandra **Borgognone**	AIDS Research Institute IrsiCaixa | Badalona, Spain	Mickael Menager	Imagine Institute | Paris, France	Deciphering the host-gut microbiota interplay in immune-mediated HIV control by single-cell transcriptomics and multi-omics data integration
Cas **Boshoven**	The Radboud University Medical Center, Netherlands	Edmund R.S. Kunji	University of Cambridge, United Kingdom	Unravelling the substrates of unique Plasmodium mitochondrial carriers
Laura **Bozal Basterra**	CIC bioGUNE | Derio, Spain	Sarah-Maria Fendt	KU Leuven | Leuven, Belgium	The metabolism of prostate cancer metastasis
Óscar **Brochado Kith**	Instituto de Salud Carlos III-ISCII | Majadahonda, Spain	Jingyan Fu	University Medical Center | Groningen, Netherlands	Blood microbiome analysis of cirrhotic patients with HIV/HCV-coinfection: a longitudinal study
Beatrice **Buffoni**	Università | Torino, Italy	Isabelle Mas-neuf-Pomarede	University of Bordeaux | Bordeaux, France	Use of microbial consortia to benefit sustainable agricultural practices in viticulture
Margherita **Burattini**	Università degli Studi di Parma, Italy	Tomaso Zambelli	ETH Zurich, Switzerland	Mechano-electric feedback in a dish

Name ▼	Home institute	Group leader	Host institute	Project
Carla **Busquets Hernández**	Institute of Advanced Chemistry of Catalonia (IQAC) | Barcelona, Spain	Luke Chamberlain	University of Strathclyde | Glasgow, United Kingdom	A more comprehensive study of zDHHC substrate specificity using Hydroxylamine
Jesús **Calahorra García-Moreno**	Center for Genomics and Oncology Research (GenyO) | Granada, Spain	Imre Berger	University of Bristol, United Kingdom	Deciphering mechanism of action of Hydroxytyrosol and β-Lapachone combination in triple-negative breast cancer: CRISPR Baculovirus technology to knock-out NQO1
Mariarosaria **Cammarota**	Università 'Federico II' | Napoli, Italy	Maria Domercq	Achucarro Basque Center for Neuroscience | Leioa, Spain	Role of the endocannabinoid and melatonergic systems on microglia lipid metabolism and inflammation resolution
Adrián **Campos Fernández**	Universidad de Salamanca, Spain	Enrique Martinez Perez	MRC London Institute of Medical Sciences | London, United Kingdom	Analysis of checkpoint activation and DNA repair in the presence of non-programmed Double-Strand Breaks during meiosis
Carolina **Cané**	Università 'Federico II' | Napoli, Italy	Bénédicte Chazaud	Université Claude Bernard Lyon 1 | Villeurbanne, France	Identification of protein targets in the dystrophic extracellular matrix (ECM) by differential proteomic analysis
Giulia **Carini**	University | Brescia, Italy	Laura Parkkinen	University of Oxford, United Kingdom	Evaluation of the expression profile of Clusterin and its interplay with a-synuclein in human LRRK2-linked Parkinson's disease brains
Yaiza **Carnicero**	Universidad | León, Spain	Volker Behrends	University of Roehampton | London, United Kingdom	Study of impact of dietary fibers on the metabolic activity of gut microbiota through a new in vitro community-approach based model
Javiera **Carrasco**	Universidad del Desarrollo | Santiago, Chile	Marit Inngjerdingen	University | Oslo, Norway	Natural Killer cell-derived exosome mimetic as vehicles for antineoplastic drugs and an alternative immunotherapeutic for multidrug-resistant lung cancer
Olivia **Castellini Pérez**	Universidad | Granada, Spain	Josine Min	University of Bristol, United Kingdom	Creating an atlas of cell specific genetic effects on genome-wide DNAm from four different immune cells
Charlotte **Castenmiller**	University Medical Centre (UMC) | Amsterdam, Netherlands	Mohamed Shamji	Imperial College | London, United Kingdom	Characterization of novel immune-modulating treatments for peanut allergy in peanut-allergic patient material
David **Castro Vázquez**	Complutense University of Madrid (UCM) | Madrid, Spain	Anne Bernhardt	Technische Universität | Dresden, Germany	VIP/receptors axis in the preservation of bone homeostasis: role of osteocytes
Aiora **Cenigaonandia**	Instituto de Investigación Sanitaria | Madrid, Spain	Bart Ghesquière	KU Leuven | Leuven, Belgium	Glycolysis and TCA cycle flux studies to investigate ascorbate-induced switch in aberrant cancer metabolism in KRAS mutant colorectal and pancreatic cancer
Dora **Čerina**	MPI für Infektionsbiologie | Berlin, Germany	Molly Ingersoll	Institut Pasteur | Paris, France	In vivo pathogenicity of unexplored genes in uropathogenic Escherichia coli
Martin **Černý**	Masaryk University | Brno, Czech Republic	Markus Wahl	Freie Universität | Berlin, Germany	Interactions of B. subtilis RNA polymerase and δ subunit, preparation for cryo-EM and NMR interaction studies
Pilar **Cerveró García**	Universidad de Salamanca, Spain	Pedro Cutillas	Barts Cancer Institute | London, United Kingdom	Phosphoproteomic analysis of the effect of Src inhibitor peptide, TAT-Cx43266-283, in brain tumour models
Bianca **Cesaro**	University of Rome 'Sapienza' | Rome, Italy	Anne Rios	Princess Maxima Center for Pediatric | Utrecht, Netherlands	Introduction to patient-derived organoid culture
Anshu **Chauhan**	Amity Institute of Biotechnology | Gurgaon, India	Patrick Van Dijck	KU Leuven | Leuven, Belgium	Unravelling amphotericin B resistance in Candida auris, a newly emergent multidrug-resistant species
Giuseppe **Ciccone**	University of Glasgow, United Kingdom	Sylvain Gabriele	University | Mons, Belgium	The role of matrix viscoelasticity in collective cell migration

Name ▼	Home institute	Group leader	Host institute	Project
Jeliyah **Clark**	Institut Pasteur | Paris, France	Mariana Bustamante	ISGlobal | Barcelona, Spain	A multi-cohort approach to epigenome-wide DNA methylation analyses of a suite of early-life chemical exposures
Maria **Cocurullo**	Stazione Zoologica 'Anton Dohrn' | Napoli, Italy	Yannick Schwab	EMBL | Heidelberg, Germany	The sea urchin larva connectome
Lucrezia **Cosottini**	University of Florence | Sesto Fiorentino, Italy	Luisa Martin-ez-Pomares	University of Nottingham, United Kingdom	Ferritin-based anticancer vaccines
Marijana **Croon**	University of Cologne, Germany	Julien Prudent	University of Cambridge, United Kingdom	Mitochondrial dysfunction in innate immunity
Balint **Csoboz**	University | Tromsø, Norway	Etienne Coyaud	Université Lille | Lille, France	Mapping virus-host protein interactions of the Merkel Cell Polyomavirus
Ana Lúcia **Da Silva Cunha**	KU Leuven | Leuven, Belgium	Janette Burgess	University Medical Center | Groningen, Netherlands	The role of the micro-environment in driving epithelial alterations in pulmonary fibrosis
MacArena **De Andrés Laguillo**	Centro Nacional de Investigaciones Cardiovasculares (CNIC) | Madrid, Spain	Katrien De Bock	ETH Zurich, Switzerland	Intercellular metabolic signalling implications in vascular malformations
Sofia **De Felice**	Università di Padova, Italy	Arjen Jakobi	University of Technology | Delft, Netherlands	Unveiling the structural details of the mouse serum albumin recycling process
Aida **De La Cruz**	Achucarro Basque Center for Neuroscience | Leioa, Spain	Martine Cohen-Salmon	Collège de France | Paris, France	Modulation of the synaptic translatome by astrocytic extracellular vesicles in the APP/PS1 mouse model
Jesus **De La Cruz**	Instituto de Biomedicina de Sevilla | Sevilla, Spain	Alan J. Warren	University of Cambridge, United Kingdom	Structural study for the specific recruitment, recognition and interaction between alpha-sarcin and the eukaryotic ribosome
Francesca **De Paolis**	Università degli Studi di Roma 'Tor Vergata' | Rome, Italy	Frédérique Magdinier	Aix-Marseille Université | Marseille, France	In vitro model of the human neuromuscular junction for the study of facioscapulohumeral dystopy
Beste Senem **Degirmenci**	Koç University, Türkiye	Erdinc Sezgin	Karolinska Institutet | Solna, Sweden	The investigation of molecular function and dynamics of CLIC4 during cell division
Turan **Demircan**	Sitki Kocman University | Mugla, Türkiye	Oya Tagit	University of Applied Sciences and Arts | Muttenz, Switzerland	Nanoparticle-mediated delivery of hydroquinidine and andarine to treat glioblastoma multiforme (GBM)
Fausta **Desantis**	Istituto Italiano di Tecnologia | Rome, Italy	Kresten Lin-dorff-Larsen	University | Copenhagen, Denmark	Coarse-graining molecular dynamics simulations to explore the formation of seeding oligomers in a case study of AL amyloidosis
Valeria **Di Leo**	Newcastle University, United Kingdom	Juanma Fernández Costa	Institut de Bioenginyeria de Catalunya (IBEC) | Barcelona, Spain	In vitro 3D model of mitochondrial myopathy human skeletal muscle
Francisco **Díaz Castro**	Pontifical Catholic University of Chile | Santiago de Chile, Chile	Marc Claret	Instituto de Investi-gaciones Biomedicas de Barcelona (IibB) | Barcelona, Spain	Unraveling the impact of the mitophagy protein PINK1 on metabolic homeostasis through POMC and AgRP neurons
Ester **Díez Sainz**	Universidad de Navarra | Pamplona, Spain	Ez-Zoubir Amri	Institut de Biologie Valrose | Nice, France	Study of the effect of dietary plant-derived microRNAs on obesity and associated comorbidities
Disha **Disha**	CSIR-Central Scientific Instruments Organisation (CSIO) | Chandigarh, India	Wojciech Nogala	Institute of Physical Chemistry of the Polish Academy of Sciences | Warsaw, Poland	Operando electrochemical charac-terization of molecularly imprinted polymers with scanning electrochemi-cal microscopy
Elena **Doria**	University of Geneva, Switzerland	Iva Tolić	Ruđer Bošković Institute | Zagreb, Croatia	Intermediate poleward flux rates are necessary for a successful cell division
Minoli **Doshi**	Institut Pasteur | Paris, France	Sonja-Verena Albers	Universität Freiburg, Germany	Investigation of new players in cell growth and division of Methanobre-vibacter smithii, an archaeon with a pseudo-peptidoglycan cell wall

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Sarah **Du Plessis**	Cardiff University, United Kingdom	Tom Gilbert	GLOBE Institute | Copenhagen, Denmark	Investigating the potential of non-invasive and museum sampling of Eurasian otters (Lutra lutra) for genomic analyses
Adrien **Dufour**	INRA | Jouy-en-Josas, France	Ramiro Alberio	University of Nottingham, United Kingdom	Establishment of a pig's single-cell gastrulation maps
Chloe **Dugelay**	Institut de Chimie et Biologie des Protéines (IBCP) | Lyon, France	Xavier De Bolle	University | Namur, Belgium	Molecular insights into the role of VirJ in Brucella T4SS function and assembly
Susan **Duncan**	Research Park | The Genome Analysis Centre, United Kingdom	Karel Říha	Masaryk University | Brno, Czech Republic	Investigating RNA structure inside and outside of plant P-bodies
Nivedita **Dutta**	University of Calcutta | Kolkata, India	Elzbieta Kierzek	Institute of Bioorganic Chemistry | Poznan, Poland	Post transcriptional modifications in RNA therapeutics: understanding the role of pseudouridine and N1-methylpseudouridine in RNA folding, integrating experimental and theoretical approaches
Seckin **Eroglu**	Universiteler Mahallesi | Ankara, Türkiye	Stephen Fry	University of Edinburgh, United Kingdom	Investigating whether plants use iron stores to soften cell walls during germination
Ines **Fallon**	Instituto Químico de Sarrià (IQS) | Barcelona, Spain	Claire Higgins	Imperial College | London, United Kingdom	Small interfering RNA delivery in cancer therapy
Leira **Fernández Bastit**	Institute of Agrifood Research and Technology (IRTA) | Barcelona, Spain	Dr. Marcel Müller	Charité - Universitätsmedizin | Berlin, Germany	Profiling the glucocorticoid receptor activation (GRA) upon virus infection by using human lung organoid models of alveolar type II
Juanma **Fernández Costa**	Institute for Bioengineering of Catalunya | Barcelona, Spain	Jordi Diaz-Manera	Newcastle University, United Kingdom	Engineering in vitro human 3D skeletal muscle tissues for studying Pompe disease
Adéla **Finstrlová**	Masaryk University | Brno, Czech Republic	Bas E. Dutilh	Friedrich-Schiller-Universität | Jena, Germany	Distribution of bacteriophage defense systems in various ecological niches
Aida **Fiz López**	University | Valladolid, Spain	Juan Jesus Garcia Vallejo	University Medical Centre (UMC) | Amsterdam, Netherlands	High-dimensional cytometry analysis to reveal systemic and local signatures of mucosal immune diseases
Laura Milena **Forero-Junco**	University | Copenhagen, Denmark	Paul B. Rainey	MPI für Evolutionsbiologie | Plön, Germany	On the flux of information in phyllosphere bacteriophage populations
Manuel **Frank**	Aarhus University, Denmark	Malcolm J. Bennett	University of Nottingham, United Kingdom	Do legume roots employ an ethylene gas-based patterning mechanism to sense soil structure and optimize positioning of nodules?
Erich **Freyer**	Medizinische Hochschule | Hannover, Germany	Mala K. Maini	University College London, United Kingdom	The role of CD14+CD8+ T cells in the ascites of decompensated cirrhotic patients
Celia **G. Barredo**	Cajal Institute | Madrid, Spain	Tony D. Southall	Imperial College | London, United Kingdom	Finding metabolic and signaling pathways affected by Ptth function in adult Dosophila
Florian **Gabriel**	EMBL | Hamburg, Germany	Jan Steyaert	Université Libre de Bruxelles | Brussels, Belgium	Nanobody discovery for human thiamine transporters
Ralf **Gabriels**	Ghent University, Belgium	Marc Vaudel	University | Bergen, Norway	Leveraging artificial intelligence to identify proteogenomic signatures of rare forms of pediatric diabetes
María **Gamarra**	Universidad del País Vasco / Euskal Herriko Unibertsitatea | Leioa, Spain	Eran Perlson	Tel Aviv University, Israel	Ribosomal protein-containing EVs transport from astrocytes to axons by live-imaging: a view of local translation control by glial cells in Alzheimer's disease

Name ▼	Home institute	Group leader	Host institute	Project
Jose **Garcia**	Biomedical Research Networking Center in Bioengineering | Biomaterials and Nanomedicine (CIBER-BBN), Spain	Vincent Rotello	University of Massachusetts | Amherst, United States	Light gated bio-orthogonal nanozymes with supramolecularly confined Porphyrin catalysts for cancer therapy
Marta **Garcia Diez**	Instituto de Salud Carlos III | Madrid, Spain	Kuner Rohini	Universität Heidelberg, Germany	Gene editing to modulate pain by altering the endocannabinoid system
Enrique **García Nieto**	Universidad de Cantabria | Santander, Spain	Gareth Sullivan	University Hospital | Oslo, Norway	Molecular characterization and effects of dopaminergic modulation in non-alcoholic fatty liver disease as an immune-mediated inflammatory disease: in silico analysis and iPSC-derived organoids
Ismail **Gbadamosi**	Nencki Institute | Warsaw, Poland	Blanca Irene Aldana García	University | Copenhagen, Denmark	Investigating motor neuron differential energy metabolism in TDP43 loss-of-function: unraveling energy substrate metabolic fate
Moisés **Giner Llorca**	Instituto de Agroquímica y Tecnología de Alimentos (iata) | Paterna, Spain	Elaine Bignell	University of Exeter, United Kingdom	Characterization of the mode of action of antifungal proteins and their potential applicability in medicine
Barbara **Gnutti**	University | Brescia, Italy	Arcangela Iuso	Helmholtz Zentrum | München, Germany	Investigation of the basic biology of the C19orf12 gene to decipher its role in Mitochondrial membrane Protein-Associated Neurodegeneration (MPAN)
Marta **Gómez**	Complutense University of Madrid (UCM) | Madrid, Spain	Giampietro Schiavo	University College London, United Kingdom	Investigating the role of cannabinoid modulation on axonal transport in Amyotrophic Lateral Sclerosis (ALS)
Lidia **Gómez Lucas**	Universidad del País Vasco / Euskal Herriko Unibertsitatea | Leioa, Spain	Erdinc Sezgin	Karolinska Institutet | Solna, Sweden	Revealing the viroporin activity of the African Swine Fever Virus protein B117L
Paula **González López**	Complutense University of Madrid (UCM) | Madrid, Spain	Anton Gisterå	Karolinska Institutet | Stockholm, Sweden	Dysregulation of microRNAs by autoimmune reactions in atherosclerosis
Irene **Gonzalez Martinez**	University | Valencia, Spain	Derick Wansink	Radboud University | Nijmegen, Netherlands	AntagomiRs that upregulate MBNL1 as candidate therapies for Myotonic Dystrophy
Sara **Gonzalez Morales**	Central University Hospital of Asturias (Hospital Universitario Central de Asturias) | Oviedo, Spain	David Clases	University | Graz, Austria	Analytical platform for the detection and quantification of microRNAs as clinical biomarkers for the diagnosis and early detection of diseases
Melania **González Torres**	University Autonomous of Barcelona | Bellaterra, Spain	Shohreh Issaza-deh-Navikas	University | Copenhagen, Denmark	IFN type I-mediated cellular antiviral responses trigger immune recruitment in Leigh Syndrome
Tamara **Gonzalez-Costa**	Centro Nacional de Investigaciones Cardiovasculares (CNIC) | Madrid, Spain	Pau Castel	New York University (NYU) | New York, United States	Identification and validation of novel endothelial-specific USP8 substrates with therapeutic potential
Claudia **Gonzalo Consuegra**	Universidad Complutense de Madrid (UCM) | Madrid, Spain	Ludo Van Den Bosch	KU Leuven | Leuven, Belgium	Relevance of the inhibition of TDP-43 phosphorylation in ALS: studies in human motor neurons with TARDBP mutations derived from induced pluripotent stem cells
Neuton **Gorjão**	The Polish Academy of Sciences | Warsaw, Poland	Aurelio A. Teleman	Deutsches Krebsforschungszentrum (DKFZ) | Heidelberg, Germany	The role of POLR1D in mTOR signalling
Miriam **Gorostidi**	Biodonostia | Donostia, Spain	Sergio E. Baranzini	University of California | San Francisco, United States	Microbiome in multiple sclerosis. Towards personalized medicine

Name ▼	Home institute	Group leader	Host institute	Project
Pablo **Graván**	Universidad | Granada, Spain	Anna Salvati	University | Groningen, Netherlands	Investigating the mechanisms of internalization and protein corona formation of cell-membrane coated nanoparticles for targeted therapy of triple-negative breast cancer
Jimena **Grosso**	Universidad Austral de Chile | Valdivia, Chile	Elias Barriga	Instituto Gulbenkian de Ciência | Oeiras, Portugal	Hatching mechanism in a terrestrial breeder frog (Anura: Batrachyla)
Luca **Grosso**	Università degli Studi di Roma 'Tor Vergata' | Rome, Italy	Ana Pombo	Max-Delbrück-Centrum | Berlin, Germany	Different sensitivity to salinity and temperature stress between Atlantic and Mediterranean Paracentrotus lividus populations
Gabriela **Guedes**	CIC nanoGUNE | Donostia, Spain	Laura Itzhaki	University of Cambridge, United Kingdom	Protein design as a tool towards a customizable theranostic agent
Judith **Guitart-Matas**	Institute of Agrifood Research and Technology (IRTA) | Barcelona, Spain	Torgeir Hvidsten	Norwegian University of Life Sciences (UMB) | Ås, Norway	Development of a new diagnostic tool to rapidly identify antimicrobial resistance profiles in farms
Giorgio **Gullotta**	University | Copenhagen, Denmark	Lidia Vasilieva	University of Oxford, United Kingdom	From tomato to fission yeast: the importance of RNA helicases in non-coding RNA regulation
Felix **Gunawan**	University of Münster, Germany	Serge Mostowy	London School of Hygiene and Tropical Medicine | London, United Kingdom	Establishing zebrafish as an infective endocarditis model
Aycan **Gundogdu**	Erciyes University | Kayseri, Türkiye	Jens André Hammerl	Bundesinstitut für Risikobewertung | Berlin, Germany	Establishing phage preparation fundamentals for construction of potential phage biobank
Joanna **Hajduk**	University of Technology | Cracow, Poland	Matthieu Piel	Institut Curie | Paris, France	Comparison of fibroblast adhesion structures and cytoskeleton architecture on standard 2D and sandwich-like substrates
Yuhao **Han**	Humboldt University | Berlin, Germany	Christophe Leterrier	Aix-Marseille Université | Marseille, France	Investigating the nano-architecture of axon initial segment (AIS) in axon-carrying-dendrite (AcD) neurons
Yuanyuan **He**	Leiden University Medical Center | Leiden, Netherlands	Lucia De Franceschi	University | Verona, Italy	Pluronics-coated PLGA-nanoparticles for in vivo targeting of the bone marrow niche
Karla **Helena Bueno**	Newcastle University, United Kingdom	Stefan Pfeffer	Universität Heidelberg, Germany	Hibernating, fast and slow: how does the rate of stress exposure define the path to ribosome hibernation?
Elena **Hernández García**	Complutense University of Madrid (UCM) | Madrid, Spain	Bruno Silva-Santos	Instituto de Medicina Molecular João Lobo Antunes | Lisbon, Portugal	The impact of Batf3 on the generation and maintenance of γδT17 cells
Alexander **Heynisch**	University of Basel, Switzerland	Gaurav Bhardwaj	University of Washington | Seattle, United States	Computational design of protein binders allowing structural characterization of a dynamic nanomachine
Gyula **Hoffka**	University | Debrecen, Hungary	Shina Caroline Lynn Kamerlin	Uppsala University, Sweden	Conformational dynamics and evolution in designed Kemp eliminases
Martin **Holub**	University of Technology | Delft, Netherlands	Yizhi (Patrick) Cai	University of Manchester, United Kingdom	Biophysics of organization of de-novo chromosomes: development of a general strategy for isolation of yeast designer chromosomes and their characterization with single-molecule methods
Meggie **Hudspith**	University | Amsterdam, Netherlands	Laura Steindler	University of Haifa | Haifa, Israel	Sipping their way to ecological success: how sponges drink dissolved organic matter
Carolina **Huercano Rubens**	University of Malaga, Spain	Tolga Bozkurt	Imperial College | London, United Kingdom	Understanding the role of NTMC2T5 proteins in retrograde signalling
Maria **Italia**	Università degli Studi | Milano, Italy	Camilla Bellone	University of Geneva, Switzerland	Dissecting the neuronal correlates of impaired reward-seeking behaviour induced by anti-GluA3 hIgGs administration

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Ylenia **Jabalera**	CIC bioGUNE | Derio, Spain	Chase Beisel	Heimholz Institute for RNA-based Infection Reserach (HIRI) | Wurzburg, Germany	Deciphering the in vivo significance of ancestral CRISPR-associated endonucleases' activities
Marina **Jordano Raya**	University | Córdoba, Spain	Carol E. Schrader	University of Massachusetts | Worcester, United States	Cleavage of abasic sites in single-stranded DNA by mammalian AP endonuclease 1 (APE1): role in immunoglobulin class-switch recombination
Paraskevi **Karousi**	National and Kapodistrian University | Athens, Greece	Thomas Carell	Ludwig-Maximilians-Universität | München, Germany	Unraveling the complexity of post-transcriptional regulation through the investigation of tRNA fragment and circular RNA interractions
Tomáš **Kašpar**	Charles University in Prague | Prague, Czech Republic	Sebastian Marquardt	University of Copenhagen | Frederiksberg, Denmark	The role of histone chaperone SPT6L in regulation of transcription by small RNAs
Maria Eleni **Kastriti**	Medical University of Vienna, Austria	Claudius Kratochwil	University of Helsinki, Finland	Heterogeneity of mechanisms of sympathetic control over color change in cichlids
Hira **Kazmi**	University of Rome 'Sapienza' | Rome, Italy	Alexander Jones	University of Cambridge, United Kingdom	GA/ABA ratio in seeds of Cardamine hirsuta: studying the gibberellins and abscisic acid patterns and dynamics during seed germination
Savvas **Kourtis**	Centro de Regulación Genómica (CRG) | Barcelona, Spain	Kathryn S. Lilley	University of Cambridge, United Kingdom	Proteome-wide functional characterisation of protein isoforms
Purnima **Kovuri**	Indian Institute of Technology | Chennai, India	Seyed Mehdi Jafarnejad	Queens University | Belfast, United Kingdom	Analysing differential translation efficiencies of ribosomal protein gene variants
Gloria **Krapež**	University of Ljubljana, Slovenia	Sergio Casas	Instituto de Salud Carlos III | Madrid, Spain	Unveiling the role of FREM2 (Kon-tiki) protein in glioblastoma cell growth and invasion: a study utilizing anti-FREM2 nanobody in Drosophila melanogaster
Monika **Kubalová**	Charles University in Prague | Prague, Czech Republic	Yoselin Benitez Alfonso	University | Leeds, United Kingdom	The role of Pectin lyase-like proteins in Arabidopsis root growth regulation
Nurdan **Kuru**	Sabancı University | Istanbul, Türkiye	Martin Weigt	Université 6 Pierre et Marie Curie (UPMC) | Paris, France	Finding interacting proteins by phylogeny-aware paralog matching
Elina **Kylmäoja**	University | Oulu, Finland	Teun De Vries	Academic Center for Dentistry Amsterdam (Academisch Centrum Tandheelkunde Amsterdam) | Amsterdam, Netherlands	Multinuclear cells on bone and bone implant surfaces – characterization of differences between bone resorbing osteoclasts and implant associated foreign body cells
Emily **Langore**	Institute of Experimental Medicine | Prague, Czech Republic	Ingo H. Greger	MRC Laboratory of Molecular Biology | Cambridge, United Kingdom	Identification of synaptic GluA1-AMPA receptor-interacting proteins
Tamara **Lapeña Luzón**	University of Valencia | Valencia, Spain	Ana María Gómez	Université Paris-Sud 11 | Châtenay-Malabry, France	Role of calcium in Friedreich's ataxia's hypertrophic cardiomyopathy and its modulation as a therapeutic strategy
Asier **Larrea**	Universidad del País Vasco / Euskal Herriko Unibertsitatea | Leioa, Spain	Yasset Perez-Riverol	European Bioinformatics Institute | Hinxton | Cambridge, United Kingdom	Identification of biomarkers of cardiovascular disease by bioinformatics analysis of proteomic databases
Sven **Larsen-Ledet**	University | Copenhagen, Denmark	Ylva Ivarsson	Uppsala University, Sweden	Mapping MLH1 interaction specificity
Katie **Leap**	Institut Pasteur | Paris, France	Jan Joris Brosens	University of Warwick | Coventry, United Kingdom	Assembloid models of menstruation
Raquel **Ledo Doval**	Westerdijk Institute | Utrecht, Netherlands	Ramon Massana	Instituto de Ciencias del Mar (ICM) - CSIC | Barcelona, Spain	Dissecting the carbohydrate-degrading abilities of marine microbial communities

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Florent **Lemaitre**	University of Geneva, Switzerland	Michael L. Dustin	University of Oxford, United Kingdom	The molecular ultrastructure of the engineered immune synapse in 4D
Carmit **Levy**	Tel Aviv University, Israel	Sébastien Apcher	Institut Gustave Roussy | Villejuif, France	Reveal the effect of the systematic delivery of melanosomes on cancer immunity
Tim **Liebisch**	Goethe University | Frankfurt, Germany	James Sharpe	EMBL | Barcelona, Spain	Inferring properties of self-organisational multicellular heterogeneity using a GPU-powered spheroid model
Joana **Lima**	Instituto de Investigação e Inovação em Saude (i3S) | Porto, Portugal	Susana A. Godinho	Queen Mary | University of London, United Kingdom	Dissection of the impact of 3D cell architecture in centrosome positioning and chromosomal instability
Madeleine **Linneberg-Agerholm**	University | Copenhagen, Denmark	Kathy Niakan	University of Cambridge, United Kingdom	Derivation and characterization of extra-embryonic endoderm stem cell lines from mouse, cow and human embryos
Yang **Liu**	Universidad Politécnica | Madrid, Spain	Urvish Trivedi	University | Copenhagen, Denmark	Comprehensive functional and evolutionary analysis of a large collection of PICIs
Juan Carlos **López Gil**	Instituto de Investigaciones Biomédicas 'Alberto Sols'. IIBm (CSIC-UAM) | Madrid, Spain	Cesar Nombela	University Hospital | Zurich, Switzerland	Dissecting the tumor architecture after Pglyrp1 modulation in pancreatic cancer murine models
Diego **López Santos**	Universitat Autonoma de Barcelona | Barcelona, Spain	David S. K. Magnuson	University | Louisville, United States	Reversible silencing of C3 interneurons needed to correctly perform reaching and grasping
Rocío **López-Domene**	University of the Basque Country | San Sebastian, Spain	Clémence Sicard	Université de Versailles – Saint-Quentin-en-Yvelines | Versailles, France	Development of MOF-nanozyme hybrid for precise control of reactive oxygen species and prevention of oxidative damage
Giulia **Lunghi**	University of Milan | Milan, Italy	Kostas Vekrellis	Biomedical Research Foundation | Athens, Greece	GM1 oligosaccharide efficacy against α-synuclein aggregation and toxicity in vivo
Yanis **MacÉ**	Nantes | Center for Research in Cancerology and Immunology Nantes-Angers (CRCINA), France	Paul Elliott	University of Oxford, United Kingdom	Post-translational regulation of the DeUbiquitinating Enzyme CYLD during pyroptosis
Leonard **MacH**	Leibniz-Institut für Molekulare Pharmakologie (FMP) | Berlin, Germany	Dmitry Veprintsev	University of Nottingham, United Kingdom	Investigation of a semisynthetically modified CB receptor as conformational biosensor
Daniel **Maeso Miguel**	University | Oviedo, Spain	Javier Martinez	Max Perutz Labs | Vienna, Austria	tRNA transport profile study in a new mouse model deficient in a tRNA exportin
Vishwadeep **Mane**	Indian Institute of Science, India	Olivier Hamant	École Normale Supérieure | Lyon, France	Decoding the mechanical basis of morphogenesis in Arabidopsis thaliana
Alba **Manga Robles**	Universidad | León, Spain	Francisco Javier Vilaplana Domingo	Royal Institute of Technology | Stockholm, Sweden	Advance techniques for studying the role of maize cell wall in stalk rot disease
Matthew **Mangan**	Universität Bonn, Germany	Nicolas Manel	Institut Curie | Paris, France	Activation of the NLRP3 inflammasome through mechanical stress sensing
María De Los Ángeles **Mantecón Oria**	Universidad de Cantabria | Santander, Spain	Winfried Neuhaus	The AIT Austrian Institute of Technology is Austria, Austria	Biological characterization of advanced microporous polymer hollow fiber models: towards the integral reconstruction of the Blood-Brain Barrier (BBB) in Dynamic In Vitro (DIV)-BBB models
Rui **Marçalo**	University | Aveiro, Portugal	Maarten Van Den Berge	University Medical Center | Groningen, Netherlands	Predicting exacerbations' occurrence and subtypes through transcriptomic analysis of sputum
Miguel **Marín Folgado**	Universidad de Salamanca, Spain	Simone Reber	MPI für Infektionsbiologie | Berlin, Germany	Isolation and characterization of tubulin from different parasitic species

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Carmen **Martín Pizarro**	University of Malaga, Spain	Rosa Lozano Duran	Universität | Tübingen, Germany	Identification of the interactome of two key transcription factors in strawberry fruit ripening regulation
Javier **Martínez López**	Instituto de Parasitología y Biomedicina | Armilla, Spain	John Ray	Benaroya Research Institute | Seattle, United States	Exploring the functional implications of systemic sclerosis associated variants through a massively parallel reporter assay
Francisco José **Martínez Martínez**	Instituto de Biomedicina de Valencia (IBV) | Valencia, Spain	Russell Corbett-Detig	University of California | Santa Cruz, United States	Enabling fast and large-scale phylogenetic analysis of Mycobacterium tuberculosis by expanding UShER: applications in public health
Felipe **Martínez-Ramírez**	Institute of Physiology | ASCR, Czech Republic	Steven Ray Wilson	University | Oslo, Norway	Liver organoids as a 3D model for the assessment of bioactive lipids metabolic effect: a novel application
Gemma **Martínez-Redondo**	Institute of Evolutionary Biology (IEB) | Barcelona, Spain	Eric Bapteste	Sorbonne University | Paris, France	Network analysis for investigating gene repertoire evolution in the context of animal terrestrialization
Claudia **Martins**	Instituto de Investigação e Inovação em Saude (i3S) | Porto, Portugal	Andreas Hierlemann	ETH Zurich, Switzerland	Joining efforts to build a novel blood-brain barrier/glioblastoma interplay-on-chip 3D in vitro model for stratification of drug efficacy
Bruna **Martins Garcia**	Max Planck Institute for Biology of Ageing | Cologne, Germany	Noam Zelcer	University Medical Centre (UMC) | Amsterdam, Netherlands	Elucidating the role of glutamine in cholesterol synthesis in vivo
Carina **Masferrer Ferragutcasas**	Vall d'Hebron Institut de Recerca (VHIR) | Barcelona, Spain	Ana Martínez Del Val	University | Copenhagen, Denmark	Deciphering new biomarkers to predict recurrence in ovarian endometriosis
Jimena **Mateo Martín**	Autonomous University of Madrid | Madrid, Spain	Irene Teixidor Toneu	Institut Méditerranéen de Biodiversité et d'Ecologie marine et continentale (IMBE) | Marseille, France	Ethnobotanical convergence: a phylogenetic comparative analysis of three ethnofloras
Joana **Mateus**	University of Lisbon, Portugal	Neil Dawson	Lancaster University, United Kingdom	Enhancing cognition and brain functional connectivity in multiple sclerosis through physical exercise: a role for neural stem cells in remyelination
Stefania **Mattevi**	University | Brescia, Italy	James Ware	Imperial College | London, United Kingdom	ASTRA, a new tool to investigate allele-specific expression: the case of cardiomyopathy
Estibaliz **Maudes**	Universitat de Barcelona | Barcelona, Spain	Laurent Groc	Interdisciplinary Institute for Neuroscience (IINS) | Bordeaux, France	Single particle tracking analysis of the effects of a positive NMDAR allosteric modulator on receptor cell-surface dynamics
Matthew **McCormack**	University of Cambridge, United Kingdom	Elizabeth Hambleton	University | Vienna, Austria	Coral cell dissociation
Danielle **Medina-Hernandez**	Centro Nacional de Investigaciones Cardiovasculares (CNIC) | Madrid, Spain	Julien Ochala	University | Copenhagen, Denmark	SGLT2i as a potential regulator of myosin conformational changes in a porcine model of anthracyline-induced cardiotoxicity
Meirav **Meiri**	Tel Aviv University, Israel	Tom Gilbert	GLOBE Institute | Copenhagen, Denmark	Building single stranded DNA libraries
Cecelia **Menezes**	Goa | National Institute of Oceanography, India	Steve Peigneur	KU Leuven | Leuven, Belgium	Analyzing the tissue-specific venom peptide profiles of the sea anemone Bunodosoma goanense and the pharmacological characterization of the peptides
Miguel Angel **Merlos Rodrigo**	Mendel University | Brno, Czech Republic	Ana Isabel Torres Suarez	Complutense University of Madrid (UCM) | Madrid, Spain	Unravelling the role of human metal-lothionein-3 in prostate cancer using the chick chorioallantoic membrane (CAM) assay

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Doris **Mirdita**	University of Milan | Milan, Italy	Cyril Barinka	Prague | Institute of Biotechnology, Czech Republic	A method for the large-scale production of high-quality recombinant human histone deacetylase 6 (HDAC6) for biochemical and biophysical characterization of novel selective inhibitors
Keerti **Mishra**	Central Drug Research Institute | Lucknow, India	Liliana Bernardino	University of Beira Interior | Covilha, Portugal	Intranasal delivery of Bromocriptine-loaded Ceria nanoparticles: a potential new therapeutic approach for Parkinson's disease
Marc **Molina Jordan**	Institut de Bioenginyeria de Catalunya (IBEC) | Barcelona, Spain	Jonas Ries	EMBL | Heidelberg, Germany	Studying the effect of force in nuclear pore conformation and opening state
Pablo **Morales-Martínez**	University of Malaga, Spain	Roger Innes	Indiana University | Bloomington, United States	Determining the role of EVs in geminiviral infection: structural and omics characterization of EVs from geminiviral-infected plants
Sofiia **Moraresku**	Academy of Sciences of the Czech Republic | Prague, Czech Republic	Johannes Sarnthein	University Hospital | Zurich, Switzerland	Measuring information exchange between dorsal and ventral visual streams during memory-guided actions using intracranial EEG
Ilaria **Morassut**	University of Geneva, Switzerland	Boyan Bonev	Helmholtz Zentrum | München, Germany	High-throughput identification of novel molecular regulators involved in neuronal migration
Maria **Morbidelli**	University | Padua, Italy	Juan Anguita	CIC bioGUNE | Derio, Spain	Characterization of anti-tumor pegylated gold nanovaccines based on the peptide Mucin 1 (MUC1) in murine models
Pedro **Moreira**	IInstituto de Tecnologia Química e Biólogia | Oeiras, Portugal	Bruno Correia	Swiss Federal Institute of Technology | Lausanne, Switzerland	Computational design of monobodies to target viral proteins
Nerea **Moreno Ruiz**	Universitat de Barcelona | Barcelona, Spain	Julio Saez-Rodriguez	Universität Heidelberg, Germany	Integrating genome and transcriptome profiling for the identification of novel genetic basis of Inborn Errors of Immunity
Fabiana **Moresi**	IRIBHM | Bruxelles, Belgium	Andrea Pavesi	Institute of Molecular and Cell Biology (IMCB) | Singapore, Singapore	Enhancing solid tumor modeling in microfluidic systems: from 2D to advanced in vitro 3D environment
Fabien **Moretto**	IMBB - FORTH | Heraklion, Greece	Domenico Libri	Institut de Génétique Moléculaire (IGMM) | Montpellierllier, France	Determining the contribution of RNA pol II subunit Rpb9 to gene regulation by ncRNA transcription
Edoardo **Moretto**	University | Milano-Bicocca, Italy	Karen Duff	University College London, United Kingdom	Investigating axonal transport in vivo in new physiological tauopathies mouse models
Laura **Mosqueira**	University of the Basque Country | San Sebastian, Spain	Frederic Relaix	Institut Mondor de Recherche Biomedicale | Créteil Cedex, France	Identification of a therapeutic candidate for Duchenne Muscular Dystrophy
Martí **Munar-Palmer**	Parque Científico y Tecnológico | Pozuelo de Alarcón, Spain	Ariane Briegel	Leiden University, Netherlands	Structural characterization of the chemosensory systems of Pseudomonas syringae pv. tomato DC3000
Marie **Münkel**	Universität | Tübingen, Germany	Serge Mostowy	London School of Hygiene and Tropical Medicine | London, United Kingdom	Spatiotemporal characterization of host cell mechanics and signaling during intercellular bacterial spread
Gerard **Muntané**	Universitat Rovira i Virgili (URV) | Tarragona, Spain	Ole Andreassen	University | Oslo, Norway	Comprehensive trait analysis of the gentic architecture of ASD
Alex **Mur Espinosa**	Vall D'Hebron Institute of Oncology | Barcelona, Spain	Jose-Javier Bravo Cordero	Icahn School of Medicine at Mount Sinai | New York, United States	Implications of the extracellular matrix in colorectal cancer dormancy
Veronica **Muratore**	CIC bioGUNE | Derio, Spain	Nicolas Bidere	Nantes | Center for Research in Cancerology and Immunology Nantes-Angers (CRCINA), France	MIB1 and USP21 regulate the stability of the centrosomal protein LUZP1, a mediator of Townes-Brocks syndrome

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Dzohara **Murillo**	Instituto de Investigación Sanitaria del Principado de Asturias | Oviedo, Spain	Alejandro Sweet-Cordero	Stanford University, United States	Functional validation of drug resistance genes in osteosarcoma
Dorka **Nagy**	Imperial College | London, United Kingdom	Lorenzo Pasquali	Universitat Pompeu Fabra | Barcelona, Spain	Investigating chromatin interactions of enhancers containing functional disease variants by UMI-4C
Fernando **Naya-Català**	Consejo Superior de Investigaciones Científicas | Cabanes, Spain	Matthew Peter Kent	Norwegian University of Life Sciences (UMB) | Ås, Norway	Use of long-read third generation sequencing to unlock the epigenomic profiling of livestock fish
Maria Luce **Negri**	University | Trento, Italy	Ana Pombo	Max-Delbrück-Centrum | Berlin, Germany	Investigating three-dimensional genome organization as a driving force of nuclear reshaping in Kabuki syndrome
Tin Wai **Ng**	University College London, United Kingdom	Matthieu Piel	Institut Curie | Paris, France	Changes in cellular physiology in response to the onset of suspended animation
Ane **Nieva-Zuluaga**	University of the Basque Country | Leioa, Spain	Samuel Huber	Universitätsklinikum Hamburg-Eppendorf | Hamburg, Germany	Cholesterol metabolism and colorectal liver metastasis: role of spliceosome
Viviane **Noll Louzada Flores**	Universita | Bari, Italy	Gerald Spaeth	Institut Pasteur | Paris, France	In vitro hybridization of Leishmania infantum and Leishmania tarentolae
Carlos **Núñez De La Calle**	Complutense University of Madrid (UCM) | Madrid, Spain	Sophie Erhardt	Karolinska Institutet | Stockholm, Sweden	Kynurenine pathway metabolites as potential diagnostic and treatment efficacy biomarkers in opioid use disorder
Rocío **Núñez Vázquez**	Centre for Molecular Biology 'Severo Ochoa' | Madrid, Spain	Mary Gehring	Whitehead Institute | Cambridge, United States	Exploring the epigenetic status of the Arabidopsis root at single-nucleus resolution
Wilfredo **Oliva-Olivera**	University of Malaga, Spain	Ole Nørregaard Jensen	University of Southern Denmark | Odense, Denmark	The environment of regulated cell death as a cellular reprogramming agent: histone analysis by high-resolution mass spectrometry in surviving adipose-derived stem cells
Elizaveta **Olkhova**	Newcastle University, United Kingdom	Charalampos Tzoulis	University | Bergen, Norway	Investigating mitochondrial dysfunction and metabolic remodelling in Parkinson's disease
Anna **Oncins**	Centro de Regulación Genómica (CRG) | Barcelona, Spain	Marieke Oudelaar	Max Planck Institute for Multidisciplinary Sciences | Göttingen, Germany	Unraveling the role of the immunoglobulin heavy chain enhancer in translocation-related lymphomas at the intra-chromosomal landscape
Aleksandra **Osowska-Kurczab**	University of Technology | Warsaw, Poland	Daan Van Den Oever	Radboud University | Nijmegen, Netherlands	Breast Arterial Calcification as a neoplasm stage predictor: novel deep learning based approach to detection and radiomic-based staging
Maddalen **Otaegi Ugartemendia**	BioDonostia Health Research Institute | San Sebastian, Spain	Michael Sigal	Charité - Universitätsmedizin | Berlin, Germany	Role of KIF11 and DIAPH3, novel targets in gastric cancer progression, in Helicobacter pylori infection response
Ezgi **Özkurt**	Quadram Institute | Norwich, United Kingdom	Handan Melike Donertas	Leibniz-Institut fuer Altersforschung | Jena, Germany	Age-type bacterial guilds in the human gut
Marina **Parres Mercader**	Instituto de Parasitología y Biomedicina | Armilla, Spain	Gareth Lycett	School of Tropical Medicine | Liverpool, United Kingdom	A pioneering ex vivo gut system for studying malaria-mosquito interactions
Alberto **Pascual**	Instituto de Biomedicina de Sevilla | Sevilla, Spain	Blanca Diaz-Castro	University of Edinburgh, United Kingdom	New tools to investigate the cross-talk between astrocytes and microglia in health and disease
Francisco **Percio Vargas**	University of Malaga, Spain	Staffan Persson	University | Copenhagen, Denmark	Regulation of plant cellulose biosynthesis in stress by TTL and BIK1 proteins
Andreia **Pereira**	Instituto de Medicina Molecular | Lisboa, Portugal	Michael Schrader	University of Exeter, United Kingdom	Understanding the functional adaptation of peroxisomes to mitochondrial dysfunctions

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Joana **Pereira**	Instituto de Investigação e Inovação em Saude (i3S) | Porto, Portugal	John Leong	Tufts University | Boston, United States	Understanding the response to pneumolysin pore formation using relevant Streptococcus pneumoniae pulmonary infection models
Marta **Perera**	University | Copenhagen, Denmark	Abigail Tucker	King's College | London, United Kingdom	Characterising the response to Fgf in epithelial branching morphogenesis
Isabel **Pérez Jover**	University of the Basque Country | Leioa, Spain	Jenny Hinshaw	NIH | Bethesda, United States	Structural insights into the evolution of the Pleckstrin homology domain of classical dynamins
Jessica **Pérez Sancho**	Laboratory of Membrane Biogenesis CNRS-UMR | Villenave d'Ornon, France	Rosangela Sozzani	North Carolina State University | Raleigh, United States	Plasmodesmata-mediated cell-to-cell communication in stem cells niche organization
Laura **Pérez-Chirinos**	CIC nanoGUNE | Donostia, Spain	Siewert-Jan Marrink	University | Groningen, Netherlands	Employing molecular dynamic simulations to reveal the molecular-level and supramolecular interactions of peptide-based assemblies
Caterina **Perfetto**	Institute of Genetics and Biophysics 'Adriano Buzzati-Traverso' | Napoli, Italy	Ilaria Elia	KU Leuven | Leuven, Belgium	Metabolic rewiring in thyroid carcinomas induced by BRAF gene mutations: synergistic effects of B-raf inhibitors and diclofenac on the glycolytic phenotype
Rhythm **Phutela**	CSIR - Institute of Genomics and Integrative Biology | New Delhi, India	Kathy Niakan	University of Cambridge, United Kingdom	Molecular dissection of DNA targeting properties of FnCas9 for monogenic disease detection and correction
Giorgio **Piazza**	Basque Center on Cognition | Brain and Language, Spain	Giovanni Di Liberto	Trinity College | Dublin, Ireland	Does non-native directed speech support non-native listeners' cortical tracking?
Jonathan Gabriel **Piccirillo**	Centro Nacional de Biotecnología (CNB) | Madrid, Spain	Daniel Boehringer	ETH Zurich, Switzerland	The immune synapse and CCT
Oihane **Pikatza Menoio**	Biodonostia | Donostia, Spain	Antonio Musarò	Università 'La Sapienza' | Roma, Italy	The role of the satellite cell and the skeletal muscle stem cell niche in Amyotrophic Lateral Sclerosis: implications in the peripheral etiopathogenesis
Jana **Pilátová**	Charles University in Prague | Prague, Czech Republic	Judith Berman	Tel Aviv University, Israel	Purine biocrystallization in Candida albicans
Eva **Pillai**	EMBL | Heidelberg, Germany	Thibaut Brunet	Institut Pasteur | Paris, France	Cell surface mechanics and the development of metazoan multi-cellularity: a study in the choanoflagellate Salpingoeca rosetta
Kateryn **Pino**	University | Concepcion, Chile	Daniele Silvestro	Université | Fribourg, Switzerland	Rise, demise and replacement: evolutionary history of Cenozoic South American mammals
Daniel **Pinto Benito**	Cajal Institute | Madrid, Spain	Sofia Grade	IMBA | Vienna, Austria	Astrocyte transplantation as a strategy to study sex differences in brain trauma
Stefania **Pirrotta**	Università di Padova, Italy	Holger Heyn	Centro Nacional Análisis Genómico (CNAG) | Barcelona, Spain	Simplify cancer cell comprehension in spatial and single-cell transcriptomics using expression signatures
Michal **Poborsky**	University | Copenhagen, Denmark	Marjan De Mey	Ghent University, Belgium	Scale-up fermentation process of glucosinolate production in Escherichia coli
Elisa **Posani**	International School for Advanced Studies | Trieste, Italy	Massimiliano Bonomi	Institut Pasteur | Paris, France	Hunting metal ions within cryo-EM derived RNA structures
Alejandro **Postigo**	Universidad | Zaragoza, Spain	Kerstin Göpfrich	Zentrum für Molekulare Biologie (ZMBH) | Heidelberg, Germany	Dynamic bioconjugation in DNA nanostructures studied in biomimetic systems
María Del Mar **Quiñonero Coronel**	Institute of Biomedicine and Biotechnology of Cantabria (IBBTEC) | Santander, Spain	Eric Cascales	Laboratoire d'Ingénierie des Systèmes Macromoléculaires (LISM) | Marseille, France	Dynamics of plasmid-encoded secretion systems

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Maria Isabel **Quiñones Vico**	Universidad | Granada, Spain	Anna Norrby-Teglund	Karolinska Institutet | Stockholm, Sweden	Development of three-dimensional artificial skin substitutes containing antibiotic nanoparticulate systems as advanced therapy drugs for the treatment of skin defects: evaluation of antibacterial activity against Pseudomonas aeruginosa
Laura **Radić**	University Medical Centre (UMC) | Amsterdam, Netherlands	Judith Gottwein	University | Copenhagen, Denmark	Investigating the neutralization breadth and potency of novel HCV-targeting bispecific antibodies in an HCV cell culture system
Juan **Raya Beltrán**	Instituto Químico de Sarrià (IQS) | Barcelona, Spain	Nina Molin Høyland-Kroghsbo	University of Copenhagen | Frederiksberg, Denmark	Uncovering the phage-mediated stress response of P. aeruginosa
Mohammad Hashim **Reza**	Jawaharial Nehru Centre for Advanced Scientific Research | Bengaluru, India	Gautam Dey	EMBL | Heidelberg, Germany	Understanding the spindle pole body architecture in the human pathogen Candida albicans
Daniel **Ribeiro**	Instituto de Medicina Molecular João Lobo Antunes | Lisbon, Portugal	João Magalhães	University of Birmingham, United Kingdom	Identifying injury-induced senescent cells in the spinal cord by single cell RNA-seq
Rodrigo F.n. **Ribeiro**	Centre for Neuroscience and Cell Biology | Coimbra, Portugal	Giorgio Colombo	Università | Pavia, Italy	Development of novel Sirtuin-1 activators as new drug candidates to ameliorate Machado-Joseph Disease
Matteo **Ridelfi**	Toscana Life Sciences Foundation | Siena, Italy	Alexandre Grassart	Institut Pasteur | Lille, France	Development of an Organ-on-Chip Shigella sonnei infection model to assess the anti-bacterial activities of human monoclonal antibodies
Sebastian **Riedelbauch**	Aarhus University, Denmark	Ulrich Stelzl	University | Graz, Austria	Consequences of rapid evolution in the functionally conserved piRNA pathway
Aurora **Rivas Crespo**	Instituto Maimónides de Investigación Biomédica (IMIBIC) | Córdoba, Spain	Christopher Rudd	Université | Montreal, Canada	Glycogen synthase kinase-3 (GSK-3) as a relevant therapeutic target in colorectal cancer
Silvia **Rizzo**	Università degli Studi | Catania, Italy	Mathias Schmidt	Max Planck Institute of Psychiatry | München, Germany	The hidden consequences of early life stress exposure on individual traumatic stress susceptibility
Bethan **Roberts**	University of Nottingham, United Kingdom	Ida Clement Thaarup	University | Copenhagen, Denmark	Characterisation of Pseudomonas aeruginosa secreted virulence factor AaaA, using a collagen-based synthetic chronic wound model
Alba **Roca Portoles**	Centre for Molecular Biology 'Severo Ochoa' | Madrid, Spain	Johannes Meiser	University | Luxembourg, Luxembourg	Deciphering the metabolic dependencies of metastatic melanoma
Valerie Joanne **Rodrigues**	University | Aberswyth, United Kingdom	Matthew McIntosh	Justus-Liebig-Universität | Giessen, Germany	Genetic modification of Alteromonas sp. 76-1 for the production of an ulvan saccharifying enzyme cocktail
Ana **Rodríguez López**	University | Córdoba, Spain	Daniel Croll	University | Neuchâtel, Switzerland	Monitoring transposon dynamics in the clonally evolving fungal pathogen Fusarium oxysporum
Zulema **Rodriguez-Hernandez**	Instituto de Salud Carlos III | Madrid, Spain	Anna Köttgen	Universitaetsklinik | Freiburg, Germany	The causal role of selenium on diabetes related-endpoints: a Mendelian Randomization approach
Ana **Roig Garcia**	IDIBAPS | CIBERehd | Hospital Clinic, Spain	Esther Sammler	University of Dundee, United Kingdom	Phospho-PARK - phospho-proteomics for LRRK2 Parkinson's disease
Joscha **Rombach**	University | Copenhagen, Denmark	Volker Haucke	Leibniz-Institut für Molekulare Pharmakologie (FMP) | Berlin, Germany	Transmembrane proteins drive synaptic vesicle endocytosis via ampipathic helices
Alicia E. **Rosales-Nieves**	Instituto de Biomedicina de Sevilla | Sevilla, Spain	Barry McColl	University of Edinburgh, United Kingdom	Characterization of the microglia-vessels interaction in different brain pathologies

Name ▼	Home institute	Group leader	Host institute	Project
Paloma **Ruiz Blázquez**	Instituto de Investigaciones Biomedicas de Barcelona (IibB) | Barcelona, Spain	Laura Denby	University of Edinburgh, United Kingdom	Phenotypical and functional characterisation of proteolytically deficient macrophage subtypes during renal fibrosis
Mikel **Ruiz De Gauna**	University of the Basque Country | Leioa, Spain	Chiara Braconi	University of Glasgow, United Kingdom	Unraveling the role of the E2F/MCM axis in cholangiocarcinoma with patient-derived organoids
Ainhoa **Ruiz Iglesias**	Centro Nacional de Biotecnología (CNB) | Madrid, Spain	Rolf Brekken	University of Texas Southwestern Medical Center | Dallas, United States	Reprogramming of cancer cell metabolism by mitochondrial pyruvate carrier-1 fosters immune-mediated tumor remission
Abraham **Saborido**	Instituto de Biomedicina de Sevilla | Sevilla, Spain	Elena Herrera-Carrillo	University Medical Centre (UMC) | Amsterdam, Netherlands	A CRISPR-Cas cure for HIV/AIDS
Francesca **Sacco**	University of Florence | Sesto Fiorentino, Italy	Julian Langer	MPI für Biophysik | Frankfurt, Germany	A combined NMR- and structural-MS-based approach to characterize the higher-order-structure of biologic drugs and their target binding
Jorune **Sakalauskaite**	Vilnius University, Lithuania	Daniel Jackson	Universität | Göttingen, Germany	Shell colour transcriptomics
Ascenzo **Salvati**	University of Rome 'Sapienza' | Rome, Italy	Paul Schulze-Lefert	MPI für Züchtungsforschung | Köln, Germany	Crosstalk between root microbiota and immune-pathways related to cell wall-derived damage-associated molecular patterns in Arabidopsis thaliana
Ana **Sampedro-Viana**	Universidade | Santiago de Compostela, Spain	Malgorzata Burek	University | Würzburg, Germany	Nanoparticles for stroke prevention associated to aging-induced blood-brain barrier alterations
Sergio **Sanchez**	Instituto de Investigaciones Biomédicas 'Alberto Sols'. IIBm (CSIC-UAM) | Madrid, Spain	Catherine Godson	University College | Dublin, Ireland	Pro-resolving effects of lipoxins and their analogs in pulmonary pathology associated with COVID-19 infection
Abraham **Sánchez**	Basque Center on Cognition | Brain and Language, Spain	Edwin Robertson	University of Glasgow, United Kingdom	Investigating the causal role of the posterior parietal cortex in memory consolidation through awake neuronal reactivation
Alejandro **Sánchez Rueda**	Universidade | Santiago de Compostela, Spain	Ruth Stassart	Universität Leipzig, Germany	Deciphering the impact of mitochondrial dynamics in Schwann cell myelination
Unai **Sarriés Serrano**	Instituto de Investigaciones Biomedicas de Barcelona (IibB) | Barcelona, Spain	Etienne Herzog	University of Bordeaux | Bordeaux, France	Cellular and molecular characterization of cortical and striatal serotonergic synapses in a mouse model of synucleinopathy induced in the raphe nucleus (PD-SeroSyn)
Sarah **Schmid**	ETH Zurich, Switzerland	Nicolas Straube	University | Bergen, Norway	Combining eDNA and museomics for understanding rare chondrichthyan spatial distribution
Manuel **Serif**	Norwegian University of Science & Technology (NTNU) | Trondheim, Norway	Claudia Büchel	Goethe University | Frankfurt, Germany	Investigating the role of an ABC1 kinase in light acclimation in the diatom Phaeodactylum tricornutum
Irene **Serra**	Cajal Institute | Madrid, Spain	George Malliaras	University of Cambridge, United Kingdom	Impact of distinct astrocyte ensembles activation on nucleus accumbens neuronal circuits
Judit **Serrat Fernandez**	Instituto de Recursos Naturales y Agrobiologia de Salamanca | Salamanca, Spain	Christian Klotz	Robert-Koch-Institut | Berlin, Germany	Dissection of intestinal barrier dysfunction upon infection with Fasciola hepatica juveniles using organoid-derived monolayers
Alfredo **Smiriglia**	University of Florence | Firenze, Italy	Sara Sdelci	Centro de Regulación Genómica (CRG) | Barcelona, Spain	Characterization of form and cellular compartmentalization of cell cycle-associated lipid droplets in therapy resistance breast cancer cell lines

Name ▼	Home institute	Group leader	Host institute	Project
Rafael **Soler Ortuño**	Instituto de Neurociencias | San Juan de Alicante, Spain	Boyan Bonev	Helmholtz Zentrum | München, Germany	Decoding the evolution of aRGCs: unraveling the genomic mechanisms behind the expansion and complexification of the cerebral cortex in Amniotes
Ekin **Sonmez**	Technical University | Gebze, Türkiye	Angela Giangrande	Institute of Genetics and Molecular and Cellular Biology (IGBMC) | Illkirch, France	Ets96B expression profile in Drosophila melanogaster
Ana **Spencer**	Instituto de Investigação e Inovação em Saude (i3S) | Porto, Portugal	Ben Maoz	Tel Aviv University, Israel	Bioactivity assessment of neuron-targeted nucleic acid delivery vector for spinal cord injury treatment in an advanced microfluidic model of the PNS-CNS interface
Rupanshee **Srivastava**	Banaras Hindu University | Varanasi, India	Dirk Schneider	Johannes-Gutenberg-Universität | Mainz, Germany	Studying membrane dynamics in the diazotrophic Cyanobacterium Anabaena PCC7120 under salinity and heat stress via Atomic Force Microscopy (AFM) and Fluorescent Recovery After Photobleaching (FRAP) microscopy
Ramona **Stringhi**	Università degli Studi | Milano, Italy	Harold MacGillavry	Utrecht University, Netherlands	Deciphering the biological role of ADAM10/CAP2 complex
Dangudubiyyam **Sushmaa**	University | Hyderabad, India	Gunther Doehlemann	University of Cologne, Germany	Elucidation of the mechanism of action of UmLPMO in virulence against host Zea mays
Giuliano **Taccola**	International School for Advanced Studies | Trieste, Italy	Olli Gröhn	University of Eastern Finland | Kuopio, Finland	Functional imaging of the isolated rodent CNS during spinal neuromodulation
Anan **Tarabeih**	Tel Aviv University, Israel	Juan Valcárcel	Centro de Regulación Genómica (CRG) | Barcelona, Spain	Genome-wide elucidation of U2AF65 function in mRNA splicing in living cells
Julia **Teppan**	Medical University | Graz, Austria	Hanna Durrington	University of Manchester, United Kingdom	The role of the molecular circadian clock in asthma
Jeena **Tm**	Yenepoya University | Mangalore, India	Nikhil Hirani	University of Edinburgh, United Kingdom	Role of extracellular vesicles containing miR200 family during pulmonary fibrosis
María Belén **Toledo Cutillas**	Universidad de Jaén | Jaén, Spain	Elisa Giovannetti	University | Amsterdam, Netherlands	COUNTERACT: combating chemoresistance in pancreatic cancer through targeted anti-enzymatic strategies
Laureano **Tomás-Daza**	Josep Carreras Leukaemia Research Institute (IJC) | Barcelona, Spain	Giacomo Cavalli	CNRS Institute of Human Genetics | Montpellier, France	Deciphering the role of spatio-temporal genome architecture in B cell differentiation
Zuzana **Trebichalská**	Central European Institute of Technology (CEITEC) | Brno, Czech Republic	Beata Turoňová	MPI für Biophysik | Frankfurt, Germany	Towards the identification of Enterovirus replication components in situ
Filipa **Trigo Da Roza**	Complutense University of Madrid (UCM) | Madrid, Spain	Melanie Blokesch	Swiss Federal Institute of Technology | Lausanne, Switzerland	The naturally competent bacterium V. cholerae as a chassis for a biotechnological tool to detect integron cassettes
Alba **Tristan Noguero**	Universitat de Barcelona | Barcelona, Spain	Peter C Kind	University of Edinburgh, United Kingdom	Calcium dynamics and morphology of dendritic spines in an animal model of Syngap1 deficiency
Ans **Van Der Vaet**	Ghent University, Belgium	Dolf Weijers	Wageningen University, Netherlands	Investigating the role of bio-active phenylpropanoids in embryo morphogenesis
Charlien **Vandersmissen**	KU Leuven | Leuven, Belgium	Beat Bornhauser	Universitäts-Kinderspital Zürich - Eleonorenstiftung, Switzerland	The implementation of ex vivo culturing and drug screenings of patient-derived T-ALL xenografts to obtain strong preclinical data
Irene **Varela Martínez**	Centro Nacional de Biotecnología (CNB) | Madrid, Spain	Simon Hippenmeyer	Institute of Science and Technology Austria (IST) | Klosterneuburg, Austria	Clonal analysis of projection neuron lineages in the mouse neocortex

Name ▼	Home institute	Group leader	Host institute	Project
Luzia **Veletzky**	Medical University of Vienna, Austria	Sébastien Pion	Institut de recherche pour le développement | Montpellier, France	Sequencing of Loa loa microfilariae retrieved from thick blood smears
Benjamin **Vermeer**	University and Research | Wageningen, Netherlands	Dina Grohmann	Universität | Regensburg, Germany	Revealing the mechanistic cycle of the human Hsp90 chaperone protein using bio-orthogonal labelling and single-molecule FRET
Laura **Vilà Quintana**	Instituto de Investigación Biomédica de Girona Josep Trueta (IDIBGI) | Girona, Spain	Ville Pimenoff	Karolinska Institutet | Stockholm, Sweden	Virome analysis for the characterization of a novel therapeutic approach for pancreatic diseases
Antonia **Weberling**	University of Cambridge, United Kingdom	Paul Trainor	Stowers Institute | Kansas City, United States	Characterisation of squamate pre-oviposition embryogenesis through the study of Chamaeleo calyptratus
Per **Widlund**	University of Gothenburg | Göteborg, Sweden	Daniel Finley	Harvard Medical School | Boston, United States	How does calcium regulate the proteasome
Lucie **Woloszczukova**	Aarhus University, Denmark	Louis-Jan Pilaz	Sanford Research, United States	Tagging SorCS3 by Breasi-CRISPR technology to address its role in brain development
Cansu Pinar **Yenice**	Universitat Rovira i Virgili (URV) | Tarragona, Spain	Andrew J. DeMello	ETH Zurich, Switzerland	CRISPR-mediated electrochemical detection of high risk HPV and SARS-CoV-2 combining isothermal recombinase polymerase amplification and ferrocene labelled dNTPs
Antonio **Zandona**	Institute for Medical Research and Occupational Health | Zagreb, Croatia	Szilvia Veszelka	Biological Research Centre | Szeged, Hungary	Nicotinamide derivatives as a potential antioxidative shield against ROS-induced cell damage
Sofía **Zdral Noguero**	Institute of Biomedicine and Biotechnology of Cantabria (IBBTEC) | Santander, Spain	Joost Woltering	Universität | Konstanz, Germany	Dorso-ventral patterning evolution during the fin-to-limb transition
Meng **Zhao**	University | Copenhagen, Denmark	Kim Praebel	UiT The Arctic University of Norway | Tromsø, Norway	Exploring evolution of the European whitefish using a Hologenomic Magnifier
Yu **Zhou**	Universität | Tübingen, Germany	Richard Kormelink	Wageningen University, Netherlands	Unraveling geminiviral infection: determining the role of the Cajal body in pathogenicity and resistance
Kevin **Ziegler**	Imperial College | London, United Kingdom	Marisa Karow	Universität | Erlangen-Nürnberg, Germany	The epigenome of the neurogliovascular unit and its association with Alzheimer's disease

EMBO New Venture Fellowships

EMBO New Venture Fellows 2023

Name ▼	Home institute	Group leader	Host institute	Project
Sarela **Garcia-Santamarina**	IInstituto de Tecnologia Química e Biólogia | Oeiras, Portugal	Alexander Mosig	University Hospital | Jena, Germany	Determination of transition metal exchanges at the host-gut microbiota interface

EMBO Core Facility Fellowships

EMBO Core Facility Fellows 2023

Name ▼	Home institute	Group leader	Host institute	Project
Helge **Hecht**	Masaryk University | Brno, Czech Republic	Dieter Beule	Berlin Institute of Health | Berlin, Germany	Developing an integrated data infrastructure for storage and end-to-end processing of raw mass spectrometry data using iRODS, SODAR and Galaxy
Srividhya **Ravichandran**	Indian Institute of Technology | Chennai, India	Barry Moran	Trinity College | Dublin, Ireland	Flowcytometry as an indispensable tool in multi-parameter immunophenotyp-ing
Laura **Tomas**	Universidad Pablo de Olavide | Sevilla, Spain	Kim Remans	EMBL | Heidelberg, Germany	Deciphering the role of COQ4

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EMBO Advanced Collaboration Grants

EMBO Advanced Collaboration Grantees 2023

Name ▼	Home institute	Group leader	Host institute	Project
Gábor **Juhász**	Biological Research Centre | Szeged, Hungary	Peter Robin Hiesinger	Freie Universität | Berlin, Germany	Role of glial phagocytosis and autophagy in the formation and maintenance of neural circuits
Jaroslav **Kocisek**	The Heyrovský Institute of Physical Chemistry, Czech Republic	Jordi Llop	CIC nanoGUNE | Donostia, Spain	Nanodosimetry using radiolabeled DNA origami nanostructures
Dimitrios **Papadopoulos**	University of Crete | Heraklion, Greece	Pavel Tomancak	MPI für molekulare Zellbiologie und Genetik | Dresden, Germany	Absolute transcription factor concentration – enhancer output quantification in the developing Drosophila wing by Fluorescence Correlation Spectroscopy
Toni **Petan**	Josef Stefan Institute | Ljubljana, Slovenia	Maria Fedorova	Technische Universität | Dresden, Germany	Lipid droplets as modulators of fatty acid trafficking and oxidation in ferroptosis
Gyula **Timinszky**	Biological Research Centre | Szeged, Hungary	Andrew Bowman	University of Warwick | Coventry, United Kingdom	The role of ADP-ribosylation in replication through heterochromatin
Anthony **Tsarbopoulos**	National and Kapodistrian University | Athens, Greece	Martina Marchetti-Deschmann	Vienna University of Technology | Vienna, Austria	MALDI MS imaging studies of Alzheimer's disease-relevant mice brain specimen for providing spatial distribution of the Aβ peptide and bioactive compounds (ADIMS)

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EMBO Young Investigators

Applications and awards 2019–2023

Nationality	Applications (total, eligible and ineligible)	%	Awards (total)	%	Success rate (%)
Austria	25	2.4	8	6.0	32.0
Belgium	24	2.3	3	2.3	12.5
Chile	5	0.5	0	0.0	0.0
Croatia	3	0.3	0	0.0	0.0
Czech Republic	6	0.6	0	0.0	0.0
Denmark	26	2.5	5	3.8	19.2
Estonia	2	0.2	0	0.0	0.0
Finland	17	1.6	0	0.0	0.0
France	78	7.5	13	9.8	16.7
Germany	137	13.1	30	22.6	21.9
Greece	6	0.6	0	0.0	0.0
Hungary	3	0.3	0	0.0	0.0
Iceland	0	0.0	0	0.0	0.0
India	86	8.2	3	2.3	3.5
Ireland	2	0.2	0	0.0	0.0
Israel	39	3.7	6	4.5	15.4
Italy	45	4.3	1	0.8	2.2
Lithuania	2	0.2	0	0.0	0.0
Luxembourg	1	0.1	0	0.0	0.0
Malta	0	0.0	0	0.0	0.0
Montenegro	0	0.0	0	0.0	0.0
Netherlands	50	4.8	6	4.5	12.0
Norway	20	1.9	0	0.0	0.0
Poland	10	1.0	0	0.0	0.0
Portugal	18	1.7	1	0.8	5.6
Singapore	26	2.5	2	1.5	7.7
Slovakia	0	0.0	0	0.0	0.0
Slovenia	0	0.0	0	0.0	0.0
Spain	98	9.4	9	6.8	9.2
Sweden	62	5.9	3	2.3	4.8
Switzerland	68	6.5	19	14.3	27.9
Taiwan	10	1.0	1	0.8	10.0
Türkiye	33	3.2	1	0.8	3.0
United Kingdom	141	13.5	22	16.5	15.6
Total	1043		133		

Year	Applications (total, eligible and ineligible)	Awards (total)	Success rate (%)
2023	206	26	12.6
2022	182	24	13.2
2021	198	26	13.1
2020	225	30	13.3
2019	232	27	11.6

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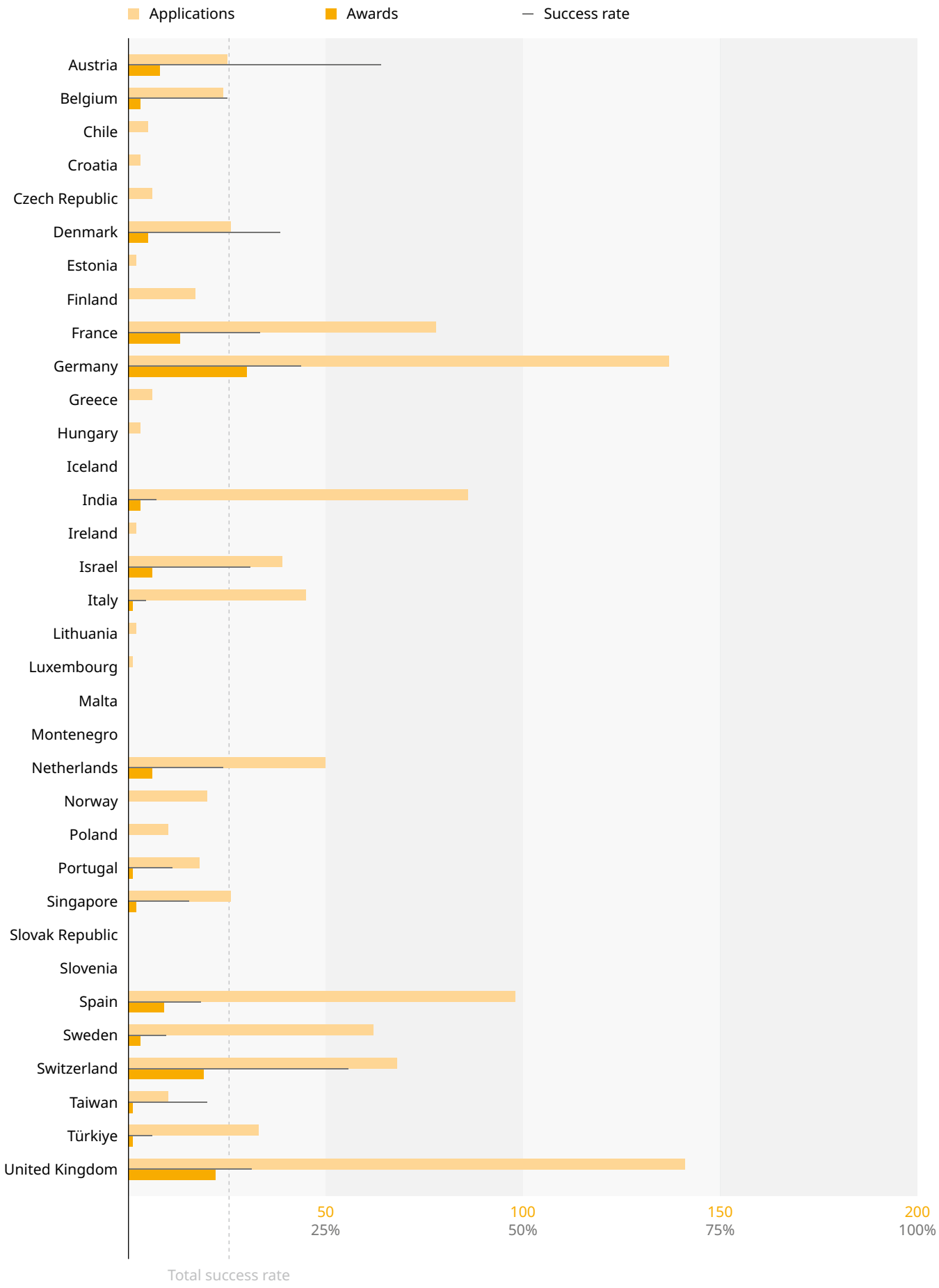
Applications and awards 2019–2023
(graphical representation)



EMBO Young Investigators 2023

Name ▼	Institute	Research Interest
Gaurav **Ahuja**	Indraprastha Institute of Information Technology, New Delhi, IN	Functional elucidation of the dark molecules of life
Ana **Banito**	Deutsches Krebsforschungszentrum, Heidelberg, DE	Understanding sarcoma biology to improve the outcome of pediatric patients
Aude **Bernheim**	Institut Pasteur, Paris, FR	Exploring the conservation of anti-viral defense across domains of life
Alexander **Borodavka**	University of Cambridge, Cambridge, UK	Unlocking RNA secrets: How viruses build their segmented RNA genomes
Aydan **Bulut Karslioglu**	Max Planck Institute for Molecular Genetics, Berlin, DE	Decoding the cellular transition in and out of dormancy
Alejandro **Burga**	IMBA, Vienna, AT	The impact of genomic conflict and selfish elements on molecular innovation
Omaya **Dudin**	ISREC, Lausanne, CH	Pre-metazoan mechanisms of multicellular development
Aurélie **Ernst**	Deutsches Krebsforschungszentrum, Heidelberg, DE	Deciphering the molecular mechanisms underlying chromothripsis
Payam **Gammage**	Cancer Research UK Scotland Institute, University of Glasgow, UK	Defining the role of mtDNA mutation in cancer
David **Haselbach**	Research Institute of Molecular Pathology, Vienna, AT	Adaptation of molecular machines to cellular context and tasks
Georg **Hochberg**	MPI für terrestrische Mikrobiologie, Marburg, DE	Unravelling biochemical history by resurrecting ancient proteins
Bruno **Hudry**	Institut de Biologie Valrose, Nice, FR	The importance of cellular sex in physiology and the underlying mechanisms
James **Lightfoot**	MPI for Neurobiology of Behavior, Bonn, DE	Investigating the evolution of behavioural traits: From genes to circuits
Leif **Ludwig**	Charité - Universitätsmedizin, Berlin, DE	Clonal dynamics, fate and somatic mitochondrial evolution in human hematopoiesis
Francesca **Mattiroli**	Hubrecht Institute, Utrecht, NL	Mechanism of chromatin assembly during DNA replication
Naomi **Moris**	Francis Crick Institute, London, UK	DEMOs: Developmental models for understanding mammalian embryogenesis
Eva Maria **Novoa**	Centro de Regulación Genómica, Barcelona, ES	Epitranscriptomics and RNA dynamics
Charlotte **Odendall**	King's College, London, UK	From danger to action: Calcium and interferon at the host-pathogen interface
Marieke **Oudelaar**	Max Planck Institute for Multidisciplinary Sciences, Göttingen, DE	Genome organization and regulation
Tommaso **Patriarchi**	University of Zurich, Zurich, CH	A new optogenetic toolbox to unravel the brain mechanisms of depression
Rejane **Rua**	Centre d'Immunologie, Marseille, FR	Immunosurveillance of the central nervous system
Hassan **Salem**	MPI for Biology Mutualisms Research Group, Tübingen, DE	Host adaptation in light of symbiont metabolic variation
Jan **Schuller**	Philipps-Universität Marburg, DE	CO_2 fixation and energy conservation in the ancient Wood-Ljungdahl pathway
Einat **Segev**	Weizmann Institute of Science, Rehovot, IL	Molecular mechanisms of microbial interactions in a biogeochemical context
Miriam **Stoeber**	University of Geneva, Geneva, CH	Spatiotemporal logic of GPCR signal transduction
Benjamin **Towbin**	Institute of Cell Biology, University of Bern, Bern, CH	Growth control from cells to organisms

EMBO Young Investigator Lectures 2023

Young Investigator	Conference	Location	Date ▼
Edouard **Hannezo**	From soft matter to biophysics	FR-Les Houches	29 January–3 February
Martin **Loose**	4th Conference on Bacterial cell biology	MX-Cancun	2–15 February
Susan **Schlimpert**	EMBO Workshop on Bacterial morphogenesis, survival and virulence: Dynamic genomes and envelopes	IN-Goa	6–10 February
Tanmay **Bharat**	EMBO Workshop on Bacterial morphogenesis, survival and virulence: Dynamic genomes and envelopes	IN-Goa	6–10 February
Ori **Avinoam**	EMBO Practical Course on In situ CLEM at room temperature and in cryo	DE-Heidelberg	12–17 February
Uri **Ben-David**	10th ILANIT/FISEB conference	IL-Eliat	20–23 February
David **Bikard**	EMBO Workshop on The immune system of bacteria	IL-Rehovot	28 February–3 March
Benjamin **Schumann**	GRC on Glycobiology	US-Ventura	12–17 March
Andreas **Boland**	EMBO Workshop on Visualising the complex dynamics of biological membranes	IL-Tel Aviv	13–16 March
Benjamin D. **Engel**	EMBO Workshop on Visualising the complex dynamics of biological membranes	IL-Tel Aviv	13–16 March
Lena **Pernas**	EMBO Workshop on Visualising the complex dynamics of biological membranes	IL-Tel Aviv	13–16 March
Dahai **Luo**	36th International conference on antiviral research	FR-Lyon	13–17 March
Anna **Obenauf**	1st International iFIT conference	AT-Zell am See	21–23 March
Prisca **Liberali**	SY-Stem: 5th Symposium on Stem cell research	AT-Vienna	22–24 March
Charlotte **Scott**	Myeloid cells: Development, diversity and distinct biological roles	US-Snowbird	16–19 April
Elif **Firat-Karalar**	Biochemical Society and British Society for Cell Biology Meeting on Dynamic cell V	GB-Loughborough	17–20 April
Charlotte **Scott**	CSHL Meeting on Systems immunology	US-Cold Spring Harbor	19–22 April
Ross **Chapman**	Balancing genome fidelity and plasticity	MX-Tulum	2–7 May
Felipe **Karam Teixeira**	Microsymposium on RNA Biology	AT-Vienna	3–5 May
Stefanie **Jonas**	Microsymposium on RNA Biology	AT-Vienna	3–5 May
Nina **Cabezas-Wallscheid**	FEBS Workshop on Molecular and cellular pathways of aging in hematopoiesis	GR-Fodele	3–7 May
Luca **Tiberi**	EMBO Workshop on Cell biology of the nervous system	GR-Heraklion	8–11 May
Martin **Loose**	JSM3 Congress on Exploring microbial worlds	FR-Marseille	10–12 May
Charlotte **Aumeier**	Microtubule meeting UK	GB-Edinburgh	11–13 May
Verena **Ruprecht**	JCS2023: Imaging cell dynamics	PT-Lisbon	14–17 May
Wanda **Kukulski**	JCS2023: Imaging cell dynamics	PT-Lisbon	14–17 May
Prisca **Liberali**	GRC on Stem cells and cancer: Strategies for controlling development, tissue homeostasis and cancer	IT-Lucca	14–19 May
Charlotte **Scott**	5th International conference on Immunometabolism: Molecular and cellular immunology of metabolism	GR-Chania	21–23 May
Christian **Münch**	EMBO Workshop on Protein quality control: From molecular mechanisms to therapeutic intervention	HR-Dubrovnik	21–26 May
Dario Riccardo **Valenzano**	Growth and regeneration during development and aging	FR-Roscoff	22–26 May
Elvan **Böke**	Growth and regeneration during development and aging	FR-Roscoff	22–26 May
Mounia **Lagha**	Growth and regeneration during development and aging	FR-Roscoff	22–26 May
Andrea **Pauli**	EMBO Workshop on RNA meets protein decay	HR-Cavtat	23–26 May
Martin **Guilliams**	GRC on Tissue repair and regeneration	US-New London	28 May–2 June
Lena **Ho**	Microproteins 2023: Unraveling the universe of microproteins – From discovery to physiology and application	DK-Helsingor	31 May–2 June

EMBO Young Investigator Lectures 2023 *(continued)*

Young Investigator	Conference	Location	Date ▼
Tineke **Lenstra**	Genome architecture and function summer school and workshop	BG-Sofia	3–8 June
Susan **Schlimpert**	GRC on Bacterial cell biology and development	US-Manchester	3–9 June
Ivan **Matic**	FEBS Advanced Lecture Course on PARP2023	HR-Hvar	4–8 June
Sebastian **Deindl**	FEBS Advanced Lecture Course on PARP2023	HR-Hvar	4–8 June
Danny **Nedialkova**	IUBMB focused meeting on Amino-acyl-tRNA synthetases	CA-Grand Bend	4–9 June
Hind **Medyouf**	Immuno-Morocco 2023	MA-Marrakech	5–10 June
Arun **Shukla**	GRC on Molecular pharmacology	CH-Les Diablerets	10–16 June
Benjamin **Ryskeldi-Falcon**	FASEB on The protein aggregation conference: Exploring rugged landscapes	IE-Malahide	11–15 June
Benjamin D. **Engel**	GRC on Three dimensional electron microscopy	US-Newry	11–16 June
Anna **Obenauf**	EACR Congress on Innovative cancer science	IT-Torino	12–15 June
Edda **Schulz**	Paris-Munich epigenetics workshop and symposium	DE-Planegg/ Martinsried	14–16 June
Joao **Matos**	EMBO Workshop on Meiosis	AT-Burgenland	18–23 June
Mina **Gouti**	9th Tri-regional developmental biology and stem cell meeting	FR-Strasbourg	20 June
Yen-Ping **Hsueh**	24th International C. elegans conference	GB-Glasgow	24 June
Martin **Pilhofer**	ETOX 2023: 21st European workshop on bacterial protein toxins	GB-Crieff	25–29 June
Bonnie **Murphy**	GRC on Bioenergetics	US-Andover	25–30 June
Yaniv **Elkouby**	GRC on Developmental biology	US-Mount Holyoke	25–30 June
Uri **Ben-David**	International PhD student cancer conference	GB-Cambridge	5–7 July
Alexey **Amunts**	PSB Symposium on Dynamics in structural biology	FR-Grenoble	6–7 July
Benjamin **Schumann**	Eurocarb 21: 21st European carbohydrate symposium	FR-Paris	9–13 July
Bonnie **Murphy**	20th International conference on Biological inorganic chemistry	AU-Adelaide	16–21 July
Nathalie **Rochefort**	Assembly and function of inhibitory neurons in health and disease	CH-Les Diablerets	16–21 July
Lena **Pernas**	GRC on Molecular membrane biology	US-Andover	16–21 July
Manuela **Hospenthal**	GRC on Microbial adhesion and signal transduction	US-Rhode Island	16–21 July
Uri **Ben-David**	DNA damage in mitosis	FR-Fondation des Treilles	17–23 July
Antoine-Emmanuel **Saliba**	GRC on Salmonella Biology and Pathogenesis	IT-Lucca	23–28 July
Joseph **Yeeles**	Cell cycle meeting 2023	US-La Jolla	24–27 July
Axel **Innis**	Advances in mRNA translation and protein synthesis	SE-Uppsala	30–31 July
Danny **Nedialkova**	Advances in mRNA translation and protein synthesis	SE-Uppsala	30–31 July
Ines Anna **Drinnenberg**	GRC on Ecological and evolutionary genomics	US-Rhode Island	30 July–4 August
Hayley **Sharpe**	EMBO Workshop on Signal regulation by protein phosphatases: Mechanisms and pathways	DK-Copenhagen	6–10 August
Nina **Cabezas-Wallscheid**	FASEB on Hematological malignancies	US-Southbridge	6–11 August
Edouard **Hannezo**	32nd BioCity Symposium on Sculpting tissues: Cells, matrix and forces	FI-Turku	24–25 August
Darío **Lupiáñez**	CSHL Meeting on Mechanisms of eukaryotic transcription	US-Cold Spring Harbor	29 August–2 September
Maria **Robles**	Annual meeting of the Swiss Society for Sleep Research, Sleep Medicine and Chronobiology	CH-Geneva	31 August–1 September
Alan **Cheung**	EMBO Lecture Course on Structural biophysics of biomolecular complexes	TR-Istanbul	4–8 September

Young Investigator	Conference	Location	Date ▼
Alexey **Amunts**	EMBO Lecture Course on Structural biophysics of biomolecular complexes	TR-Istanbul	4–8 September
Sonja **Lorenz**	EMBO Lecture Course on Structural biophysics of biomolecular complexes	TR-Istanbul	4–8 September
Lars **Velten**	11th GSCN Conference	DE-Ulm	13–15 September
Joanna **Sulkowska**	Symposium of the Polish Bioinformatics Society 2023	PL-Gliwice	13–15 September
Lena **Pernas**	EMBO Workshop on Lipid droplets: Metabolic hubs in health and disease	ES-Sant Feliu de Guixois	17–22 September
Pierre-Marc **Delaux**	6th International molecular mycorrhiza meeting	GB-Cambridge	25–27 September
Yaniv **Elkouby**	Centrosomes in development, disease and evolution	TR-Istanbul	26–29 September
Emmanuelle **Bayer**	EMBO Workshop on Inter-organelle contacts biology	IT-Fiuggi	1–6 October
Sebastian **Falk**	12th GBM study group on RNA biochemistry	DE-Bonn	4–7 October
Tineke **Lenstra**	8th Annual meeting on RNA	DK-Odense	10 October
Charlotte **Scott**	1st International conference of liver pathobiology: From bench to bedside	GR-Chania	11–16 October
Tineke **Lenstra**	IUBMB focused meeting on Integrative omics of nuclear functions	GR-Chania	15–19 October
Tuncay **Baubec**	IUBMB focused meeting on Integrative omics of nuclear functions	GR-Chania	15–19 October
Elodie **Segura**	EMDS2023@VIB	BE-Ghent	17–20 October
Elvira **Mass**	EMDS2023@VIB	BE-Ghent	17–20 October
Hind **Medyouf**	EMDS2023@VIB	BE-Ghent	17–20 October
Ross **Chapman**	17th Australian Cell cycle, DNA repair and telomere meeting	AU-Melbourne	22–25 October
Christian **Münch**	FEBS Advanced Lecture Course on Cellular stress and ADP-ribosylation	IT-Naples	6–11 November
Simon **Bekker-Jensen**	FEBS Advanced Lecture Course on Cellular stress and ADP-ribosylation	IT-Naples	6–11 November
Alejo **Efeyan**	Reunión anual de sociedades de biociencias	AR-Buenos Aires	15–18 November
Nuria **Montserrat**	Reunión anual de sociedades de biociencias	AR-Buenos Aires	15–18 November
Barbara **Treutlein**	EMBL PhD symposium on Power of many: Collective behaviour across scales	DE-Heidelberg	20–22 November
Benjamin D. **Engel**	EMBL PhD symposium on Power of many: Collective behaviour across scales	DE-Heidelberg	20–22 November
Elvan **Böke**	EMBL PhD symposium on Power of many: Collective behaviour across scales	DE-Heidelberg	20–22 November
Gray **Camp**	EMBL PhD symposium on Power of many: Collective behaviour across scales	DE-Heidelberg	20–22 November
Verena **Ruprecht**	EMBL PhD symposium on Power of many: Collective behaviour across scales	DE-Heidelberg	20–22 November
Arun **Shukla**	12th Austrian peptide symposium	AT-Vienna	5–12 December

EMBO Installation Grants

EMBO Installation Grantees 2023

Name ▼	Moving From	Moving to	Research interest
Maciej **Cieśla**	The Polish Academy of Sciences, Warsaw, PL	The International Institute of Molecular Mechanisms and Machines Polish Academy of Sciences, PL	Coordination of alternative splicing in ageing of hematopoietic stem cells
H. Atakan **Ekiz**	Institute of Technology, Izmir, TR	Institute of Technology, Izmir, TR	Investigating long noncoding RNAs in melanomagenesis and immunoevasion
Ilana **Gabanyi**	Instituto Gulbenkian de Ciência, Oeiras, PT	Instituto Gulbenkian de Ciência, Oeiras, PT	Sex and age specificities influencing the gut-brain axis communication
Stephen **Jones**	Vilnius University, Vilnius, LT	Vilnius University, Vilnius, LT	Developing robust and predictable gene editing tools
Aleksandra **Kolodziejczyk**	International Institute of Molecular and Cell Biology, Warsaw, PL	International Institute of Molecular and Cell Biology, Warsaw, PL	Role of microbiota in progression of liver disease
Christina **Kyrousi**	The University Mental Health Research Institute, Athens, GR	The University Mental Health Research Institute, Athens, GR	Decoding the role of cilia in neurodevelopmental and psychiatric disorders
Viktória **Lázár**	Biological Research Centre, Szeged, HU	Biological Research Centre, Szeged, HU	Exploring new strategies against genotoxin-producing gut pathogens
Ewelina **Malecka-Grajek**	International Institute of Molecular and Cell Biology, Warsaw, PL	International Institute of Molecular and Cell Biology, Warsaw, PL	From dynamics of bacterial RNA degradation to gene expression manipulation tools
Hana **Polasek-Sedlackova**	Institute of Biophysics, Brno, CZ	Institute of Biophysics, Brno, CZ	Checking on replication origins
Gergely **Róna**	New York University, New York, US	Institute of Enzymology, Research Centre for Natural Sciences, HU	Function of D-type cyclins in neuronal DNA repair and neurodegeneration

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EMBO Global Investigator Network

EMBO Global Investigators 2023

Name ▼	Institute	Research interest
Anna **Barron**	Nanyang Technological University, Lee Kong Chian School of Medicine, Singapore, SG	Cellular metabolism as regulator of microglial fate and function
Ajit **Chande**	Indian Institute of Science Education and Research, Bhopal, IN	From retrovirus biology to viral vectors and genome editing
Jinmiao **Chen**	Singapore Immunology Network, A * STAR, Singapore, SG	Harnessing AI to analyze single-cell and spatial omics for precision immunology
Debasis **Das**	Indian Institute of Science, Bangalore, IN	Enzymatic dispersion of biofilms to combat bio-film-mediated microbial infections
Debasis **Das**	Tata Institute of Fundamental Research, Mumbai, IN	Regulated membrane fusion and protein homeostasis: Role in cellular plasticity
Chin-Min Kimmy **Ho**	Institute of Plant and Microbial Biology, Academia Sinica, Nangang, TW	Leaf epidermal development – fate determination and coordination
Neha **Jain**	Indian Institute of Technology, Karwar, IN	Molecular interplay between amyloids in progression of neurodegenerative disease
Dennis **Kappei**	Cancer Science Institute of Singapore, National University Singapore, SG	Understanding telomere-driven genomic instability with quantitative proteomics
Chien-Ling **Lin**	Institute of Molecular Biology, Academia Sinica, Taipei, TW	Mechanism and modelling of genetic information that determines RNA fate
Hsiung-Lin **Tu**	Institute of Chemistry, Academia Sinica, Taipei, TW	Functional single-cell proteomics and bio-interface for quantitative bioanalysis

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EMBO Solidarity Grants

EMBO Solidarity Grantees 2023

Name ▼	Host institute	Project
Vasyl **Brykov**	Faculty of Science, Charles University, Department of Experimental Plant Biology, Prague CZ	Interaction between rapid auxin response pathway and nutrient uptake
Ivanna **Dmytriieva**	Nature Research Centre, P. B. Sivickis Laboratory of Parasitology, Vilnius LT	Assessment of diversity and phylogenetic relationships of helminths of amphibians in Lithuania
Alona **Dreus**	Institute of Microbiology of CAS, Praha CZ	Hierarchy of expression and translocation of effectors by intracellular Salmonella.
Yuliia **Faidiuk**	Hirszfeld Institute of Immunology and Experimental Therapy, Polish Academy of Sciences, Laboratory of Phage Molecular Biology, Wroclaw PL	Mechanisms of interaction between phage-derived 'dark matter' and mammalian host immunity.
Anna **Fedorova**	Institute of Animal Physiology and Genetics AS ČR, Laboratory of Fish Genetics, Liběchov CZ	Combining genetics and ethology for studying Pelophylax esculentus complex with emphasis on P. lessonae conservation
Olha **Fedosieieva**	Institute of Molecular Genetics of the Czech Academy of Sciences, Czech Centre for Phenogenomics, Praha CZ	Analysis of systemic pathogenesis of long COVID symptoms in mouse model of Sars2 infection
Vira **Hovorukha**	Institute of Environmental Engineering and Biotechnology of the University of Opole PL	Antibiotic and metal resistance of bacteria. If there is a hazard to human health?
Liudmyla **Hrebenyk**	University of Ostrava, Faculty of Science, Department of Biology and Ecology, Life Science Research Center, Ostrava CZ	The role of alternative oxidases in Trypanosomatidae.
Olena **Khmel**	Lithuanian University of Health Sciences, Institute of Anatomy, Kaunas LT	Pathogenesis of endocrine glands development and functioning and changes in nervous regulation under the action of BPA
Ganna **Kolomiiets**	Institute of Botany of the Czech Academy of Sciences, Department of Population Ecology, Průhonice CZ	Endangered plant species in the Southern Bug enclave (Ukraine): genetics, evolutionary history, and biogeography
Lesia **Kolomiiets**	Institute of Biochemistry and Biophysics Polish Academy of Sciences, Warsaw PL	Inhibition of aminoacyl-tRNA synthesis by interaction of silver ions and nanoparticles with EMAP II and AIMP1 proteins
Oksana **Kovalenko**	Silesian University of Technology, Gliwice PL	Discovery and characterisation of plastic-degrading enzymes isolated from a human polluted area
Liudmyla **Kozeko**	Nature Research Center, Laboratory of Plant Physiology, Vilnius LT	Role of molecular chaperone system in increasing drought tolerance of plants using proline and γ-aminobutyric acid
Maksym **Kuchma**	International Institute of Molecular and Cell Biology, Warsaw PL	Aspartoacylase allosteric regulation as a possible Canavan disease personalized treatment strategy
Alla **Kushkina**	Hirszfeld Institute of Immunology and Experimental Therapy, the Polish Academy of Sciences, Laboratory of bacteriophage molecular biology, Wrocław PL	Identification of phage impact on human health (controlled phageome)
Tetiana **Kyrpa**	Centre for Agricultural Research, Biological Resources, Martonvásár HU	The role of calmodulin-like (CML) and wall-associated kinase (WAK) genes in broad-spectrum pathogen resistance of potato
Anhelina **Kyrychenko**	Institute of Evolutionary Biology, Faculty of Biology, University of Warsaw PL	Viruses of freshwater microbial eukaryotes
Alevtyna **Morenko**	Institute of Physiology, Developmental Epileptology, Prague CZ	The effect of sulforaphane on cerebral cortical activity in immature rats with pilocarpine-induced status epilepticus

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Name ▼	Host institute	Project
Nataliia **Nechytailo**	The International Institute of Molecular Mechanisms and Machines, Polish Academy of Sciences – IMol PAS, Laboratory of Metabolic Quality Control, Warsaw PL	Defining the interactomes of respiratory Complex I in distinct breast cancer models
Kseniia Marianna **Prondzynska**	Zonguldak Bülent Ecevit University, Faculty of Science, Zonguldak, Turkey TR	Genomic approach to population genetic processes in introduced populations of lizards with high invasive potential
Eleonora **Pustovalova**	Institute of Animal Physiology and Genetics, Laboratory of Fish Genetics, Liběchov CZ	Comparative analysis of asexual gametogenesis in hybrid water frogs and its outcomes for natural populations
Yevheniya **Sharhorodska**	University of Ferrara, Life Sciences and Biotechnology, Ferrara IT	GENNAPREL- Genetic rElationships betweeN NauseA symPtoms and pREgnancy Loss
Daryna **Sokolova**	Gdansk University, Intercollegiate Faculty of Biotechnology UG & MUG, Gdansk PL	Curing plant pathogenic Soft Rot Pectobacteriaceae bacteria from prophage infections
Tetiana **Tykhonenko**	University of Padua, Department of Biomedical Sciences, Padova IT	Exploring the organelle contact sites dynamics in physiology and in neurodegeneration
Olena **Yakushko**	Faculty of Medicine in Pilsen, Charles University, Department of Histology and Embryology, Pilsen CZ	Quantitative assays of components of brain and visual organ in small laboratory animals

EMBO Courses & Workshops

Practical Courses 2023
EMBC Member States

Title	Organizer	Location	Date ▼
In-situ CLEM at room temperature and in cryo	M. Schorb	DE-Heidelberg	12–17 February
Techniques for mammary gland research	M.D. Vivanco	DE-Heidelberg	5–10 March
Population genomics: Background and tools	V. Colonna	IT-Procida	13–19 March
Measuring translational dynamics by ribosome profiling	J. Medenbach	DE-Heidelberg	26 March–1 April
Microbial metagenomics: A 360° approach	J.E. González-Pastor	DE-Heidelberg	17–24 April
Computational molecular evolution	A. Stamatakis	GR-Heraklion	7–18 May
Quantitative proteomics: Strategies and tools to probe biology	C. Ludwig	DE-Heidelberg	11–16 June
Characterisation of post-translational modifications in cellular signalling	M.R. Larsen	DK-Odense	15–22 June
Computational modelling of multicellular systems	J. Sharpe	ES-Barcelona	18–23 June
Super-resolution in light microscopy	I. Novotny	CZ-Prague	18–23 June
Imaging-based spatial-omics	A. Crevenna	IT-Monterotondo	25–30 June
Drosophila genetics and genomics	J. Crocker	DE-Heidelberg	16–21 July
Plasticity in developing systems: Time, space and environment	A. Aulehla	DE-Heidelberg	24 July–4 August
Venice Summer School: The future of evolutionary-developmental systems biology	J. Jaeger	IT-Venice	21–25 August
Structural biophysics of biomolecular complexes	H. DeMirci	TR-İstanbul	4–8 September
LINdoscope: Neuroimaging and data analysis	S. Mikulovic	DE-Magdeburg	4–15 September
Image processing for cryo-electron microscopy	G. Zanetti	UK-London	5–12 September
Advanced methods in bioimage analysis	C. Tischer	DE-Heidelberg	10–15 September
Integrative modelling of protein interactions	E. Karaca	TR-Izmir	17–22 September
FISHing for RNAs: Classical to single molecule approaches	E. Perlas	DE-Heidelberg	22–27 October
Targeted proteomics: Experimental design and data analysis	E. Sabidó	ES-Barcelona	12–17 November
Preparation and biophysical/MS characterization of multiprotein complexes for cryo-EM analysis	A. Poterszman	FR-Illkirch	19–25 November

Practical Courses 2023
EMBC Associate Member States

No Practical Courses were given in EMBC Associate Member States in 2023.

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Workshops 2023
EMBC Member States

Title	Organizer	Location	Date ▼
In-situ structural biology: From cryo-EM to multi-scale modelling	J. Mahamid	DE-Heidelberg	8–11 February
Immune system of bacteria (SISB2023)	R. Sorek	IL-Rehovot	28 February–3 March
Mechanisms of neuronal remodelling	M. Oren-Suissa	IL-Kibbuz Nahsholim	11–14 March
Visualising the complex dynamics of biological membranes	A. Amunts	IL-Tel Aviv	13–16 March
Visualizing biological data (VIZBI 2023)	B. Kozlíková	DE-Heidelberg	28–31 March
ImmunoBiophysics: From fundamental physics to understanding the immune response	P.H. Puech	FR-Les Houches	9–14 April
Time-resolved spectroscopy meets time-resolved crystallography: The future of dynamic photobiology	S. Kapetanaki	Virtual	17–19 April
Ferroptosis: When metabolism meets cell death	M. Conrad	DE-Seeon	23–27 April
Hedgehog signalling: From molecular structure to developmental biology and diseases	E. Martí	ES-Sant Feliu de Guíxols	24–27 April
Cell biology of the nervous system: Long-term resilience and vulnerability	G. Tavosanis	GR-Heraklion	8–11 May
Non-coding RNA medicine	B. Uszczynska-Ratajczak	PL-Poznan	15–18 May
Cell polarity and membrane dynamics	M. Loose	ES-Sant Feliu de Guíxols	21–25 May
RNA meets protein decay	O. Rissland	HR-Cavtat	23–26 May
Systems biology: Linking chromatin and epigenetics to disease and development	F.G. Grosveld	GR-Alexandroupoli	25–28 May
European testis workshop 2023	S. Nef	CH-Montreux	18–22 June
X-chromosome inactivation: New insights on its 60th anniversary	E. Schulz	DE-Berlin	19–22 June
Systems approaches in cancer	I. Stagljar	HR-Split	26–30 June
Antibodies and complement: Effector functions, therapies and technologies	S. Rooijakkers	ES-Girona	27 June–1 July
Imaging the immune system (IIS)	S. Fernandez Gonzalez	CH-Lugano	28–30 June
Physics of living systems: From physical principles to biological function	O. Campàs	DE-Dresden	3–7 July
Predicting evolution	J. Crocker	DE-Heidelberg	11–14 July
Signal regulation by protein phosphatases: Mechanisms and pathways	J. Nilsson	DK-Copenhagen	6–10 August
DNA topology and topoisomerases in genome dynamics	J. Baxter	CH-Villars-sur-Ollon	3–7 September
Gene regulatory mechanisms in neural fate decisions	V.K. Tiwari	ES-Alicante	7–10 September
Developmental metabolism: Flows of energy, matter and information	A. Aulehla	DE-Heidelberg	12–15 September
Lipid droplets: Metabolic hubs in health and disease	B. Schrul	ES-Sant Feliu de Guíxols	17–22 September
Stroke-Immunology conference	C. Benakis	DE-Munich	18–21 September
The evolution of animal genomes	D. Lupiáñez	ES-Sevilla	18–21 September
Mechanisms of membrane fusion	R. Jahn	DE-Göttingen	18–22 September
Plasmids as vehicles of AMR spread	A. Ledda	IT-Trieste	18–22 September
SUMOylation: From discovery to translation	A. Vertegaal	PT-Póvoa de Varzim	25–28 September
Centrosomes in development, disease and evolution	E.N. Firat-Karalar	TR-Istanbul	26–29 September
Epigenetics and condensates in lineage decisions	S. Alberti	DE-Dresden	28–30 September
Enhanceropathies: Understanding enhancer function to understand human disease	S. Spicuglia	FR-Marseille	17–20 October
CRISPR-Cas: From biology to therapeutic applications	V. Šikšnys	ES-Seville	7–10 November

Workshops 2023
EMBC Member States *(continued)*

Title	Organizer	Location	Date ▼
The mobile genome: Genetic and physiological impacts of transposable elements	D. Bourc'his	DE-Heidelberg	8–11 November
Proteostasis: From translation to degradation	S. Korenblit	PT-Ericeira	17–21 November
Computational models of life: From molecular biology to digital twins	A. Montagud	ES-Sant Feliu de Guíxols	26 November–1 December
Subcortical sensory circuits: Visual, auditory, somatosensory, and beyond	S. Rompani	DE-Heidelberg	28 November–1 December
Computational structural biology	J. Kosinski	DE-Heidelberg	6–9 December

Workshops 2023
EMBC Associate Member States

Title	Organizer	Location	Date ▼
Bacterial morphogenesis, survival and virulence: Dynamic genomes & envelopes	A. Badrinarayanan	IN-Goa	06 February

Workshops 2023
Co-operation partners

Title	Organizer	Location	Date ▼
Third Latin American C. elegans meeting	A. Calixto	CL-Valparaiso	15 March

EMBO | The Company of Biologists Workshops 2023

Title	Organizer	Location	Date ▼ (postponed from)
'Trans-Scale Biology' using exotic non-model organisms	S. Shigenobu	JP-Okazaki	25–27 July
Membrane shaping and remodeling by proteins	J. Hu	CN-Kunming	09–12 November (25 May 2023)

EMBO | FEBS Lecture Courses 2023
EMBC Member States

Title	Organizer	Location	Date ▼
Susan Lindquist school on proteostasis	C. Muench	DE-Ingelheim am Rhein	3–6 October

EMBO Global Lecture Courses 2023
Co-operation partners

No EMBO Global Lecture Courses were given in states with co-operation partners in 2023.

India | EMBO Lecture Courses 2023
EMBC Associate Member States

Title	Organizer	Location	Date ▼
Complement in kidney diseases	A. Sahu, A. Bagga	IN-Pune	30 January–3 February
Tumour metabolism: Current understanding and opportunities for novel drug discovery	V. Kumar	IN-Noida	28 March

EMBO | EMBL Symposia 2023
EMBC Member States

Title	Organizer	Location	Dates ▼
The cellular mechanics of symbiosis	T. Kiers, J. McCutcheon, T. Richards	DE-Heidelberg	8–11 March
Brain genome: regulation, evolution, and function	R. Bonasio, M. Boulard, M. Götz, K. Noh	DE-Heidelberg	25–28 April
The organism and its environment	D. Arendt, E.Heard, M. Leptin, F. Watt, D.Weigel	DE-Heidelberg	9–12 May
The ageing genome: From mechanisms to disease	J. Jacobs, G. Legube, B. Luke, B. Schumacher	DE-Heidelberg	4–7 June
Life at the periphery: Mechanobiology of the cell surface	A. Diz-Muñoz, Z. Gitai, K. C. Huang, E. Paluch	DE-Heidelberg	12–15 June
New approaches and concepts in microbiology	P. Cossart, S. Helaine, K. C Huang, M. Laub, N. Typas	DE-Heidelberg	27–30 June
Theory and concepts in biology	A. Aulehla, J. Garcia-Ojalvo, R. Phillips, K. Wan	DE-Heidelberg	18–21 July
The human microbiome	M. Arumugam, A. Bhatt, P. Bork, N. Segata	DE-Heidelberg	20–23 September
Seeing is believing: Imaging the molecular processes of life	J. Ellenberg, J. Lippincott-Schwartz, S. Mayor, A. Miyawaki	DE-Heidelberg	4–7 October
The non-coding genome	M. Bühler, A. Eulálio, J. Mendell, G. Storz, I. Ulitsky	DE-Heidelberg	11–14 October
Organoids: Modelling organ development and disease in 3D culture	M. Huch, K. R. Koehler, M. Lancaster, E. Schnapp	DE-Heidelberg	18–21 October

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EMBO Member Keynote Lectures

EMBO Member Keynote Lectures
EMBC Member States 2023

Name of EMBO Member	Title	Location	Date ▼
Lea **Sistonen**	LS2 Annual Meeting 2023 - 'Life on Earth: Coping with Challenges'	CH-Zurich	16–17 February
George **Diallinas**	16th European Conference on Fungal Genetics (ECFG16)	AT-Innsbruck	5–8 March
Ivet **Bahar**	Research on Computational Molecular Biology (RECOMB)	TR-Istanbul	16–19 April
Andreas **Trumpp**	Workshop on Molecular and Cellular Pathways of Aging in Hematopoiesis	GR-Heraklion, Crete	3–7 May
Yardena **Samuels**	EACR Conference: Defence is the Best Attack: Immuno-Oncology Breakthroughs	ES-Barcelona	9–11 May
Elaine **Fuchs**	Stem Cells and Cancer Gordon Research Conference: Strategies for Controlling Development, Tissue Homeostasis and Cancer	IT-Lucca (Barga)	14–19 May
Karolin **Luger**	FEBS Advanced Course PARP2023	HR-Hvar	4–8 June
Gianni **Liti**	8th Conference on Physiology of Yeasts and Filamentous Fungi (PYFF8)	IE-Cork	5–8 June
Ehud **Gazit**	FASEB The Protein Aggregation Conference: Exploring Rugged Landscapes	IE-Dublin	11–15 June
Yardena **Samuels**	EACR 2023 Congress: Innovative Cancer Science	IT-Torino	12–15 June
Ivan **Dikic**	Second Annual Meeting of the COST Action ProteoCure 'A sound proteome for a sound body: targeting proteolysis for proteome remodeling'	HR-Zagreb	12–15 June
Stefan **Raunser**	ETOX 2023: European Workshop on Bacterial Protein Toxins	UK-Crieff	25–29 June
Andrea **Ablasser**	The new microbiology	GR-Spetses Island	31 August–9 September
Reinhard **Fässler**	Adhere1	HR-Zadar	6–9 September
Iva **Tolić**	15th Meeting of the Slovenian Biochemical Society	SI-Portorož	20–23 September
Johanna **Ivaska**	ABCD 2023 • The Biennial Congress of the Italian Association of Cell Biology and Differentiation	IT-Paestum	20–23 September
Sara A. **Wickström**	The Notch Meeting XII	GR-Athens	1–5 October
Johan **Auwerx**	The 2023 FEBS Special Meeting on Sphingolipid Biology: The dawn of a new era	PT-Funchal	8–13 October
Florent **Ginhoux**	Summer School in Translational Cancer Research	PT-Albufeira	8–14 October
Matthias **P. Lutolf**	Goodbye Flat Biology: Next Generation Cancer Models	DE-Berlin	10–12 October
Ana **Pombo**	IUBMB Focused Meeting on Integrative Omics of Nuclear Functions	GR-Kolymbari	15–19 October
Michael S. **Levine**	27th European Drosophila Research Conference	FR-Lyon	20–23 October
Cédric **Blanpain**	Cellular Bases for Patient Response to Cancer Therapies	FR-Lyon	14–16 November
Gilles **Laurent**	Power of Many - Collective Bahavior Across Scales | 25th EMBL PhD Symposium	DE-Heidelberg	20–22 November

EMBO Member Keynote Lectures
Non-EMBC Member States 2023

Name of EMBO Member	Title	Location	Date ▼
Melanie **Blokesch**	4th Bacterial Cell Biology Conference	MX-Cancun	12–15 February
Jodi **Nunnari**	The Endoplasmic Reticulum (ER): structure, function, and disease (FASEB Science Research Conference)	US-Melbourne	11–15 June
Simona **Radutoiu**	2023 International Society Molecular Plant-Microbe Interactions (IS-MPMI) Congress	US-Providence	16–20 July
Crisanto **Gutierrez**	XXXIV Argentine Congress of Plant Physiology 2023	AR-Rosario	24–27 September
Rino **Rappuoli**	XVIII Congreso Argentino de Microbiología General, SAMIGE 2023	AR-Chapadmalal	2–5 October
Kristin **Tessmar-Raible**	The International Conference for the Developmental Biology of the Sea Urchin and Other Marine Invertebrates XXVI	US-Woods Hole	17–20 October
Giulio **Cossu**	Advances in Skeletal Muscle Growth, Repair and Disease	BR-Guaruja	6–10 November
Sebastian **Amigorena**	LXXI ANNUAL MEETING OF THE ARGENTINEAN SOCIETY OF IMMUNOLOGY	AR-San Luis	9–11 November
Julien **Vermot**	10th Australian Network of Cardiac and Vascular Developmental Biologists (ANCVDB) Meeting	AU-Coolangatta	23–24 November

EMBO Member Keynote Lectures
Co-operation partners 2023

Name of EMBO Member	Title	Location	Date ▼
Ludger **Johannes**	Galectin Symposium / Glyco26 (International Symposium on Glycoconjugates)	TW-Taipei	25 August–1 September
Alexander **van Oudenaarden**	3rd Molecular Biosystems Conference on Eukaryotic Gene Regulation and Functional Genomics	CL-Puerto Varas	25–29 September

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EMBO Global Lecture Series

Lectures 2023

Speaker	Meeting or Institution	Location	Date ▼
Carsten **Janke** *(EMBO Member)*	15th Young Investigators' Meeting 2023	IN-Gandhinagar	12 February–4 March
	IIT Gandhinagar	IN-Gandhinagar	
	IISER Pune	IN-Pune	
	inStem, Bengaluru	IN-Bangalore	
Anne **Spang** *(EMBO Member)*	15th Young Investigators' Meeting 2023	IN-Gandhinagar	12 February–4 March
	IIT Gandhinagar	IN-Gandhinagar	
	TIFR, Mumbai	IN-Mumbai	
	NCCS, Pune	IN-Pune	
	NCBS, Bengaluru	IN-NCBS	
Gillian **Griffiths** *(EMBO Member)*	Chang Gung Memorial Hospital	TW-Taipei	13–18 March
	Formosa Immunology Spring School & Symposium	TW-Linkou	
	National Defense University	TW-Taoyuan City	
Ping-Chih **Ho** *(EMBO Young Investigator)*	Immunometabolism and cancer immunology seminar	TW-Taipei	28 June–15 August
	National Health Research Institute	TW-Miaoli County	
	Chang Gung Medical University	TW-Linkou city	

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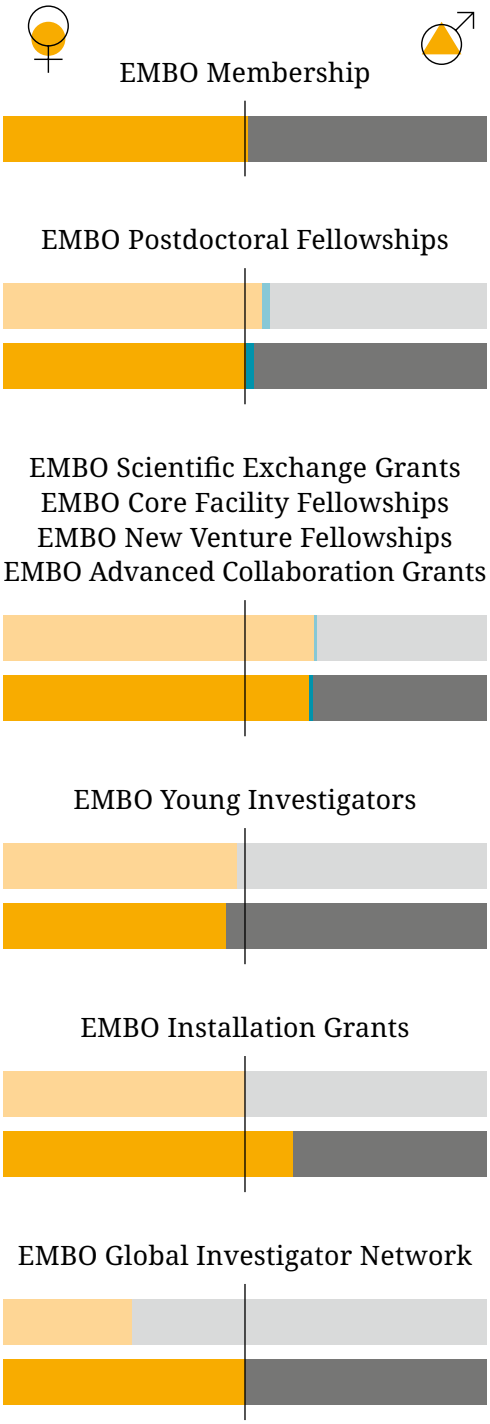
EMBO Women in Science

Visual distribution 2023



Overview 2019–2023

	EMBO Postdoctoral Fellowships					EMBO Scientific Exchange Grants EMBO Core Facility Fellowships EMBO New Venture Fellowships EMBO Advanced Collaboration Grants[1]				
	Applications (total)	%	Awards (total)	%	Success rate (%)	Applications (total)	%	Awards (total)	%	Success rate (%)
2019										
Female	592	49.8	89	48.1	15.0	322	58.1	199	57.0	61.8
Male	597	50.2	96	51.9	16.1	232	41.9	150	43.0	64.7
Overall	1189		185		15.6	554		349		63.0
2020										
Female	662	51.4	66	44.0	10.0	195	58.7	122	56.7	62.6
Male	625	48.6	84	56.0	13.4	137	41.3	93	43.3	67.9
Overall	1287		150		11.7	332		215		64.8
2021										
Female	578	49.6	104	46.4	18.0	210	61.0	116	59.5	55.2
Male	588	50.4	120	53.6	20.4	134	39.0	79	40.5	59.0
Overall	1166		224		19.2	344		195		56.7
2022										
Female	530	48.1	91	39.9	17.2	404	59.6	229	59.0	56.7
Male	566	51.4	136	59.6	24.0	265	39.1	155	39.9	58.5
Other	—	—	—	—	—	2	0.3	2	0.5	100.0
Not specificed	5	0.5	1	0.4	20.0	7	1.0	2	0.5	28.6
Overall	1101		228		20.7	678		388		57.2
2023										
Female	617	53.7	68	50.4	11.0	435	64.3	199	63.4	45.7
Male	515	44.8	65	48.1	12.6	238	35.2	113	29.1	47.5
Other	—	—	—	—	—	0	0.0	0	0.0	0.0
Not specificed	17	1.5	2	1.5	11.8	3	0.4	2	0.6	66.7
Overall	1149		135		11.7	676		314		46.4
2019–2023										
Female	*2979*	*50.6*	*418*	*45.3*	*14.0*	*1566*	*60.6*	*865*	*59.2*	*55.2*
Male	*2891*	*49.1*	*501*	*54.3*	*17.3*	*1006*	*38.9*	*590*	*40.4*	*58.6*
Other	—	—	—	—	—	*2*	*0.1*	*2*	*0.1*	*100.0*
Not specificed	*22*	*0.4*	*3*	*0.3*	*13.6*	*10*	*0.4*	*4*	*0.3*	*40.0*
Overall	*5892*		*922*		*15.6*	*2584*		*1461*		*56.5*

applicants *(female/other/not specified/male)*

members/awardees *(female/other/not specified/male)*

1 EMBO Scientific Exchange Grants:
formerly called EMBO Short-Term Fellowships
EMBO Core Facility Fellowships: introduced in 2020
EMBO New Venture Fellowships: introduced in 2021
EMBO Advanced Collaboration Grants:
introduced in 2021

EMBO Young Investigators

	Applications (total)	%	Awards (total)	%	Success rate (%)
	73	31.5	7	25.9	9.6
	159	68.5	20	74.1	12.6
	232		27		11.6
	75	33.3	11	36.7	14.7
	150	66.7	19	63.3	12.7
	225		30		13.3
	80	40.4	12	46.2	15.0
	118	59.6	14	53.8	11.9
	198		26		13.1
	77	42.3	10	41.7	13.0
	103	56.6	14	58.3	13.6
	—	—	—	—	—
	2	1.1	0	0.0	0.0
	182		24		13.2
	100	48.5	12	46.2	12.0
	106	51.5	14	53.8	13.2
	—	—	—	—	—
	0	0.0	0	0.0	0.0
	206		26		12.6
	405	*38.8*	*52*	*39.1*	*12.8*
	636	*61.0*	*81*	*60.9*	*12.7*
	—	—	—	—	—
	2	*0.2*	*0*	*0.0*	*0.0*
	1043		*133*		*12.8*

EMBO Installation Grants[1]

	Applications (total)	%	Awards (total)	%	Success rate (%)
	18	36.7	3	27.3	
	31	63.3	8	72.7	
	49		11		
	19	37.3	1	12.5	
	32	62.7	7	87.5	
	51		8		
	18	40.9	3	50.0	
	26	59.1	3	50.0	
	44		6		
	24	38.7	6	54.5	
	37	59.7	4	36.4	
	—	—	—	—	—
	1	1.6	1	9.1	
	62		11		
	37	50.0	6	60.0	
	37	50.0	4	40.0	
	—	—	—	—	—
	0	0.0	0	0.0	
	74		10		
	116	*41.4*	*19*	*41.3*	
	163	*58.2*	*26*	*56.5*	
	—	—	—	—	—
	1	*0.4*	*1*	*2.2*	
	280		*46*		

EMBO Global Investigator Network

	Applications (total)	%	Awards (total)	%	Success rate (%)
	11	27.5	4	44.4	36.4
	29	72.5	5	55.6	17.2
	40		9		22.5
	14	22.6	1	11.1	7.1
	48	77.4	8	88.9	16.7
	62		9		14.5
	9	22.5	2	25.0	22.2
	31	77.5	6	75.0	19.4
	40		8		20.0
	15	34.9	2	25.0	13.3
	28	65.1	6	75.0	21.4
	—	—	—	—	—
	—	—	—	—	—
	43		8		18.6
	11	26.8	5	50.0	45.5
	30	73.2	5	50.0	16.7
	—	—	—	—	—
	—	—	—	—	—
	41		10		24.4
	60	*26.5*	*14*	*31.8*	*23.3*
	166	*73.5*	*30*	*68.2*	*18.1*
	—	—	—	—	—
	—	—	—	—	—
	226		*44*		*19.5*

EMBO Membership (incl. Associate Members)

Year	Members (total)	Women (%)
2019	1840	20.5
2020	1877	21.6
2021	1915	22.2
2022	1964	22.8
2023	2010	24.0

EMBO Courses & Workshops[1]

Year	Female participants (%)	Female speakers (%)	Events covered (%)
2019	49	40	88
2020	51	37	75
2021	50	46	100
2022	53	41	77
2023	54	43	84

1 Including: EMBO | EMBL Symposia (except for 2020), EMBO | FEBS Lecture Courses, EMBO Conference Series, EMBO Global Exchange Lecture Courses, EMBO Practical Courses, EMBO Workshops

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1 The success rate for the EMBO Installation Grants scheme is not an accurate measurement of success. The number of awarded grants depends primarily on the funding provided by the ministries or agencies supporting the grants, and not on the scientific excellence of the applicants.

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2 Departed in July
3 Joined in June as Academic Editor
4 Joined in July
5 Joined in April

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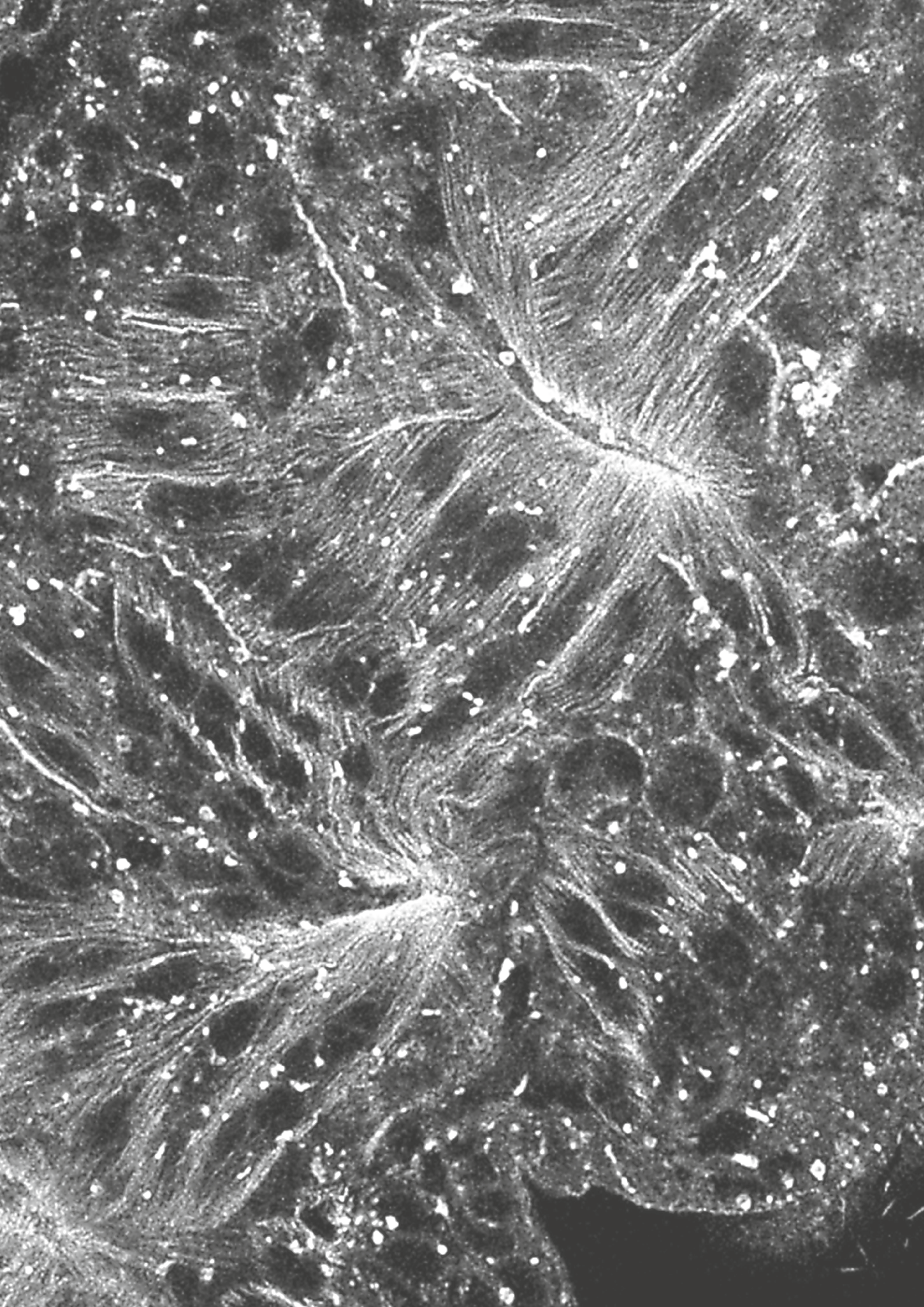

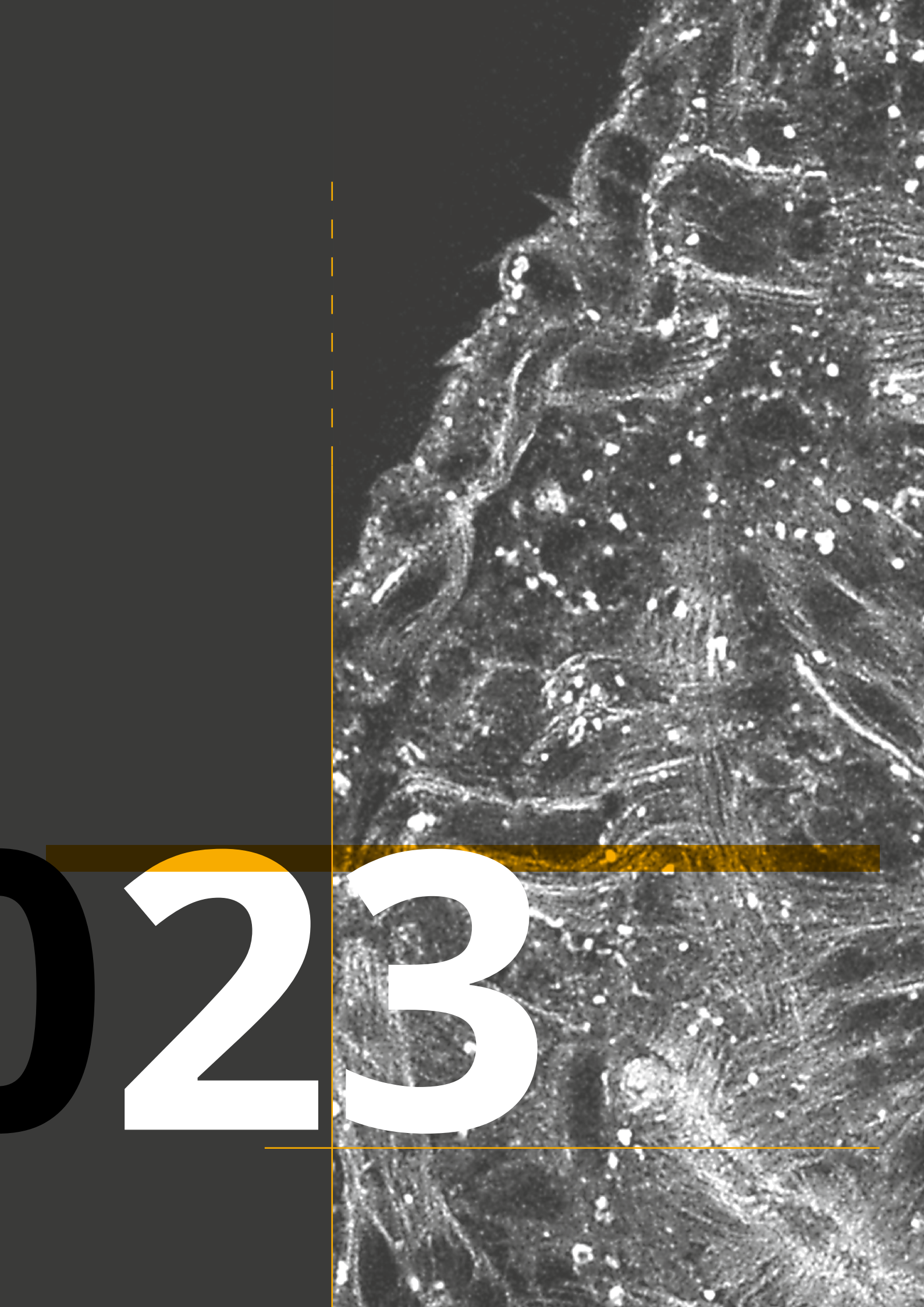
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