

*excellence in life sciences*

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**EMBO** 2019  
facts & figures

# HIGHLIGHTS 2019



<b>Membership</b>	56 life scientists from 21 countries were newly elected to the EMBO Membership.
<b>Fellowships</b>	184 Long-Term, 349 Short-Term and five Advanced Fellowships were awarded.  EMBO Postdoctoral Fellowships, providing better social security to the fellows, were launched.
<b>Young Investigators and Installation Grants</b>	27 group leaders were selected as EMBO Young Investigators, and another 11 scientists in the early stages of setting up their laboratories were selected as Installation Grantees.
<b>Science Policy</b>	Projects on governance of research integrity and on technical and policy approaches to mitigate problems arising from tissue culture cell heterogeneity.
<b>Courses &amp; Workshops and other scientific meetings</b>	Over 100 scientific events were co-funded.
<b>Global Activities</b>	The EMBO Global Investigator Network providing funding and networking to young life scientists in Chile, India, Singapore and Taiwan was launched. The first nine life scientists to join the programme were selected.
<b>Awards</b>	M. Madan Babu and Paola Picotti were honored with the EMBO Gold Medal.  EMBO and the Federation of European Biochemical Societies (FEBS) announced Sara Linse as the recipient of the 2019 FEBS EMBO Women in Science Award.
<b>EMBC</b>	EMBO held a symposium celebrating the 50th anniversary of the EMBC.
<b>EMBO Press</b>	EMBO Scientific Publications continued to shape best practice in scientific publishing through its 'Transparent Process' and contributions to debates about Open Science, preprints and peer review.
<b>Review Commons</b>	Together with ASAPbio, EMBO launched Review Commons, a pre-journal portable review platform which aims at accelerating scientific publishing by offering journal-independent peer review.

## EMBO facts & figures 2019

EMBO facts & figures reports on the implementation of the EMBC General Programme entrusted to EMBO and on other EMBO activities.



EMBO 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.

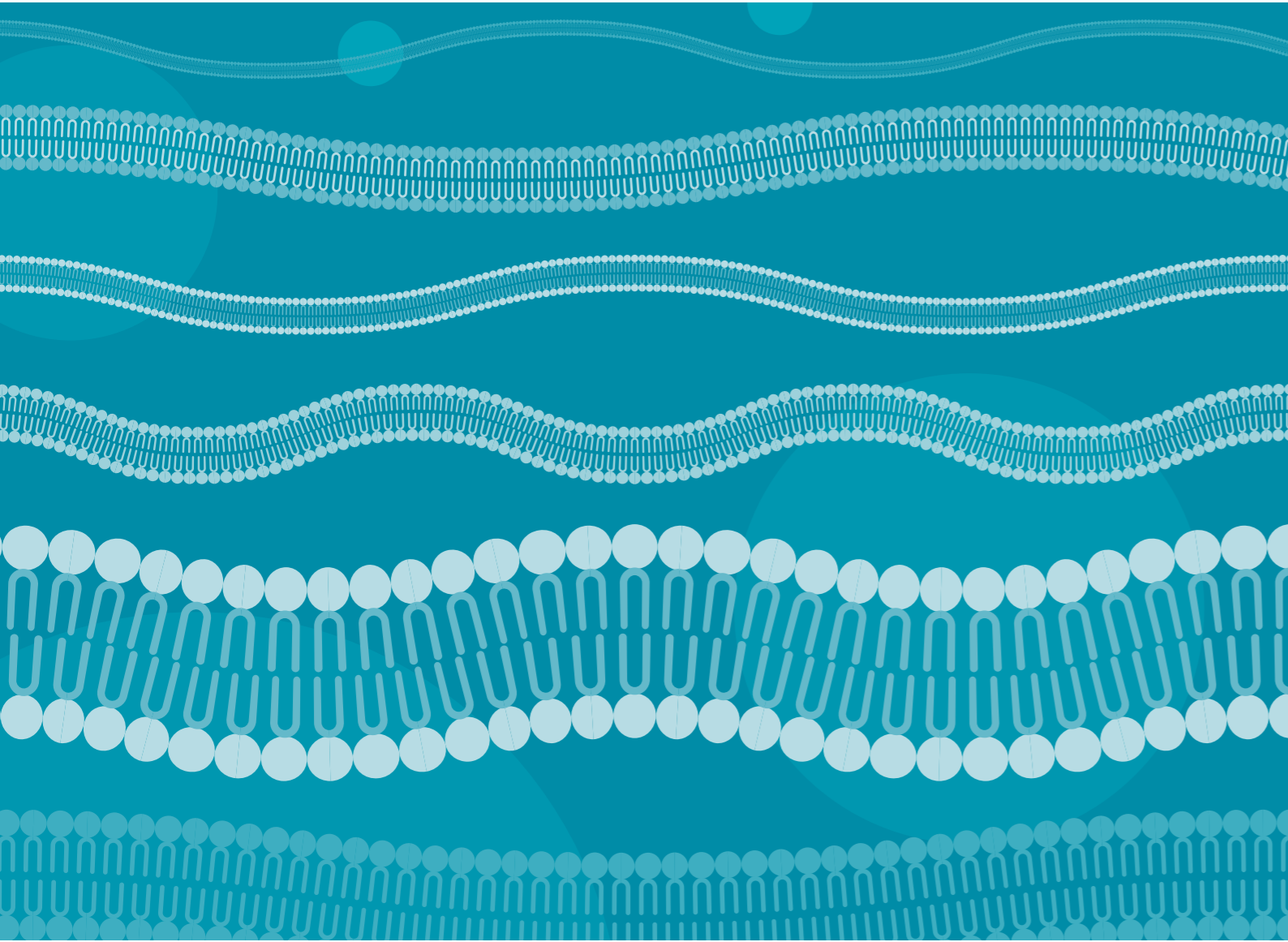
Since 1964, EMBO has helped young scientists to advance their research, promote their international reputations and ensure their mobility. Courses, workshops, practical courses and EMBO Scientific Publications disseminate the latest research and offer training in techniques to maintain high standards of excellence in research practice.

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 more than 1,800 members and associate members – some of the best researchers in Europe and around the world – positions EMBO optimally to serve the life science community.

## EMBC

The European Molecular Biology Conference (EMBC), founded in 1969, is an inter-governmental organization comprising 30 Member States including most of the European Union and some of the neighbouring countries. The EMBC provides, through its General Programme, a framework for European co-operation in the field of the life sciences.

Financial contributions from each Member State carry the General Programme. The execution of the EMBC General Programme is entrusted to EMBO. Both EMBC and EMBO are driven by a common commitment to quality research. Their joint activities are characterized by quality and encouragement of co-operation within the scientific community.



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**Maria Leptin**  
EMBO Director

## Preface

I am writing this text in spring 2020, a few weeks into the SARS-CoV-2 pandemic, which has changed our lives profoundly. A long-unheard political and public call for science as the key to solving the crisis is now resonating throughout the world.

It is encouraging to see a strong movement of the scientific community to contribute to work on SARS-CoV-2, which has emerged spontaneously. Individual scientists have embraced the challenge of research on the biology of the virus, and potential avenues for therapy, diagnosis and vaccination. More than three hundred EMBO Members and Young Investigators have intensified or shifted their laboratories' research to work towards understanding the disease, developing improved methods for detecting the virus, developing drugs or vaccines, providing advice or equipment and helping in other ways.

Funding and programmes that support excellent scientists with few or no strings attached clearly allow researchers to react immediately and deal effectively with challenges such as COVID-19. I am happy that EMBO, thanks to the funds from the EMBC, has been able to support such individuals in such a way.

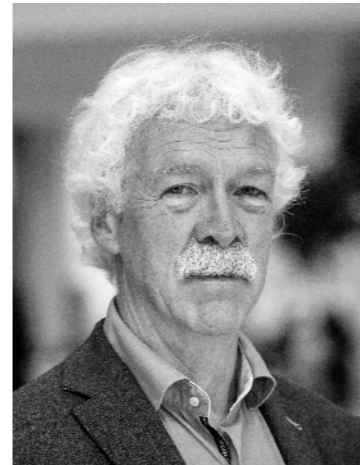
In this brochure, we report on last year's EMBO activities and programmes. In 2019, EMBO awarded 184 EMBO Postdoctoral Fellowships (formally, and in the remainder of this report, referred to as Long-Term Fellowships) and five Advanced Fellowships. We provided 349 Short-Term Fellowships to researchers at all career stages and from all disciplines across the life sciences. EMBO continued to foster scientific discussion and the exchange of knowledge by providing funding to over 90 scientific workshops and practical courses attended by more than 11,000 scientists.

A major reform of the EMBO Long-Term Fellowship Programme was finalized in 2019: The updated scheme replaces fellows' stipends with two-year salaried contracts from their host organizations that include social security payments as required by national and local laws and regulations. In this way, we meet young scientists' increasing need for social security, while continuing to give them scientific independence. EMBO congratulated twenty-seven life scientists on their selection as new EMBO Young Investigators. Nine scientists in Chile, India, Taiwan and Singapore joined the newly launched Global Investigator Network, a highly welcome step to tighter cooperation with our partner countries and territories outside Europe.

Together with ASAPbio, EMBO created Review Commons, a platform for high-quality peer review of manuscripts before submission to one of 17 partner journals. This multi-journal partnership was set up to accelerate scientific publishing through journal-independent peer review.

I sincerely thank the EMBC Delegates, the EMBO Members serving on Council and Committees, and all EMBO staff for their ongoing dedication to promoting excellence in the life sciences.

Maria Leptin  
EMBO Director



**Gerrit van Meer**  
EMBC President

## Preface

We are increasingly seeing an urgent need to promote science and scientific research beyond national boundaries. Numerous political events and developments in Europe act against the foundations of fruitful science and research. Efficient cooperation and close exchange of knowledge irrespective of nationalities, locations and political agendas, is becoming even more crucial than in the past. The spirit of science is more international than almost any other area of our society. We should be proud of that and not become distracted from what we believe to be essential for science to succeed.

The EMBC continues to pursue the mission of promoting life science across national borders, and has done so for 50 years. As an international and independent association of now 30 countries committed to scientific excellence, the EMBC has made significant contributions to the fostering and funding of generations of life scientists.

It was a great pleasure to see that the year 2019 ended with the commitment of the EMBC Member States not only to fund all of the current EMBO Programmes and activities for another five years, but to significantly increase the budget, allowing for a major reform: the conversion of the stipend-based fellowships into contract-based fellowships, providing better social security and other benefits for the EMBO Fellows.

I thank all EMBC Delegates for their ongoing support, and I wish Leszek Kaczmarek, who succeeded me as EMBC President at the beginning of 2020, all the best for the continued execution of the EMBC mission, that of fostering excellence in the life sciences across Europe and beyond.

Gerrit van Meer  
EMBC President 2015 – 2019

## EMBO actions 2019

Major decisions of the EMBO Council are listed below with other important EMBO actions including actions not described elsewhere in this report.

### → EMBO OFFICERS & COUNCIL 2019

**Paul Nurse**

EMBO SECRETARY GENERAL

**Carl-Henrik Heldin**

CHAIR, EMBO COUNCIL

**Titia Sixma**

VICE CHAIR, EMBO COUNCIL

**Karen Avraham**

**Adrian Bird**

**Victor de Lorenzo**

**Matthew Freeman**

**Eileen Furlong**

**Michael Hall**

**Regine Kahmann**

**Jürgen Knoblich**

**Michel Labouesse**

**Jiri Lukas**

**László Nagy**

**Claudio Sunkel**

**Karen Vousden**

MEMBERS OF EMBO COUNCIL

→ See page 14 for a detailed list of the 2019 EMBO Council

### EMBO Membership and Council

- 56 life scientists were newly elected to the EMBO Membership. Their total number includes 48 EMBO Members residing in 17 EMBC Member States and eight EMBO Associate Members working in Argentina, Australia, Japan, Singapore and the US. They join a group of more than 1,800 of the best researchers in Europe and around the world. 43% of the newly elected members are female.
- Council re-elected *Carl-Henrik Heldin* as Chair and *Titia Sixma* as Vice Chair of EMBO Council for the year 2020.
- *Adrian Bird*, *Michael N. Hall* and *Claudio Sunkel* were re-elected, and *Crisanto Gutierrez* and *Maria Rescigno* were newly elected as members of EMBO Council for the period 2020-2022.

### EMBO activities

- 184 Long-Term, 349 Short-Term and five Advanced Fellowships were awarded.
- From October 2019 on, the updated EMBO Postdoctoral Fellowship scheme replaces fellows' stipends with two-year salaried contracts from their host organizations that include social security payments as required by national and local laws and regulations.
- 27 group leaders in the early stages of setting up their laboratories were selected as EMBO Young Investigators. They join a network of 129 current and 340 former Young Investigators who represent some of the best up-and-coming researchers in the life sciences in Europe and beyond.
- 11 Installation Grants were awarded to early-career scientists in four participating EMBC Member States.
- The EMBO Global Investigator Network providing funding and networking to young life scientists in Chile, India, Singapore and Taiwan was launched. The first nine life scientists to join the programme were selected.
- Over 100 scientific events were co-funded.
- EMBO Science Policy Programme carried out two major projects: one focused on governance of research integrity and the other on technical and policy approaches to mitigate problems arising from tissue culture cell heterogeneity.

## EMBO actions 2019

### Other EMBO activities

- EMBO entered a partnership in the Horizon 2020-funded project BioRoboost, contributing particularly to crafting policy options for improving risk assessment for synthetic biology applications.
- EMBO Scientific Publications continued to shape best practice in scientific publishing through its 'Transparent Process' and contributions to debates about Open Science, preprints and peer review.
- The EMBO Director and several programme heads contributed to high-level policy discussions on Open Science and on the limits of peer review.
- EMBO and EMBO Press made their journals' finances public to provide transparency and clarity about what it costs to publish articles in high quality, selective journals.
- Together with ASAPbio, EMBO launched Review Commons, a pre-journal portable review platform which aims at accelerating scientific publishing by offering journal-independent peer review.
- EMBO and EMBL held eleven joint EMBO|EMBL Symposia in Heidelberg, Germany
- Together with the American Society for Cell Biology, EMBO held the joint ASCB|EMBO Meeting in Washington DC, USA.
- The system biologists M. Madan Babu and Paola Picotti were honored with the EMBO Gold Medal.
- EMBO and the Federation of European Biochemical Societies (FEBS) announce Sara Linse of Lund University, Sweden, as the recipient of the 2019 FEBS|EMBO Women in Science Award.
- EMBO hosted a symposium celebrating the 50th anniversary of the EMBC.

### Financial matters

- The EMBO Council approved the accounts for 2018 and the budgets for the EMBO activities for 2020. This funding comes from the EMBC and is supplemented with income generated by the EMBO publications. It is also used to pilot EMBO activities that are not part of the EMBC General Programme.
- Since 2009, the EMBO and EMBC accounts have been audited by KPMG Switzerland. This audit is carried out in addition to the standard auditing by a national audit court from one the EMBC Member States.

### → EMBO COMMITTEE CHAIRS 2019

**Philippe Sansonetti**

EMBO Membership Committee

**Luca Scorrano**

EMBO Fellowship Committee

**Christian Lehner**

EMBO Course Committee

**Karim Labib**

EMBO Young Investigator Committee

**Ivan Dikic**

EMBO Publications Advisory Board

→ See page 15 for a complete list of the 2019 committee members

### → EMBO Council Office

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## EMBC actions 2019

### → EMBC OFFICERS 2019

**Gerrit van Meer** NETHERLANDS  
PRESIDENT

**Eirikur Steingrímsson** ICELAND

**Boris Turk** SLOVENIA  
VICE PRESIDENTS

**Anne Paoletti** FRANCE  
SECRETARY GENERAL

**Troels Tvedegaard Rasmussen**  
DENMARK FINANCE COMMITTEE CHAIR

**Lovorka Barač Lauc** CROATIA  
FINANCE COMMITTEE VICE CHAIR

### → STRATEGIC WORKING PARTY 2019

**Ahmet Ademoglu** TURKEY

**Lucia Banci** ITALY

**Hemma Bauer** AUSTRIA

**Josiane Entringer** LUXEMBOURG

**Angela Nieto** SPAIN

**Barbara Ohnesorge** GERMANY

**Mark Palmer** UNITED KINGDOM

**Anne Paoletti** FRANCE

**Eirikur Steingrímsson** ICELAND

**Boris Turk** SLOVENIA

**Troels Tvedegaard Rasmussen**  
DENMARK

**Gerrit van Meer** NETHERLANDS CHAIR

→ See pages 12 for a list of  
all EMBC Delegates

The major decision and actions resulting from the meetings of the EMBC Delegates (June, November, and December 2019) are listed below.  
The Conference was supported by the EMBC Finance Committee (June 2019).

#### Election of officers for 2020

- EMBC elected *Leszek Kaczmarek* (PL) as President of EMBC.
- EMBC re-elected *Boris Turk* (SI) and elected *Lucia Banci* (IT) as Vice Presidents of EMBC.
- EMBC re-elected *Anne Paoletti* (FR) as Secretary General of EMBC.
- EMBC elected *Elena Hoffert* (FR) as Chair of the EMBC Finance Committee.
- EMBC elected *Barbara Ohnesorge* (DE) as Vice Chair of the EMBC Finance Committee.

#### Financial matters

- EMBC noted the reports of the external auditors and approved the accounts for 2018.
- EMBC approved the Indicative Scheme for the period 2020 - 2024 and the budget for 2020.
- EMBC approved the appointment of KPMG as the External Auditors for the financial years 2019, 2020 and 2021.

#### EMBC decisions and actions

- EMBC established a subordinate body, a working group on increasing participation in EMBO activities across the EMBC Member States.

## EMBC actions 2019

### → EMBC MEMBER STATES

The following countries are Member States of the European Molecular Biology Conference (EMBC):

- |                  |               |                   |
|------------------|---------------|-------------------|
| ■ Austria        | ■ Iceland     | ■ Portugal        |
| ■ Belgium        | ■ Ireland     | ■ Slovak Republic |
| ■ Croatia        | ■ Israel      | ■ Slovenia        |
| ■ Czech Republic | ■ Italy       | ■ Spain           |
| ■ Denmark        | ■ Lithuania   | ■ Sweden          |
| ■ Estonia        | ■ Luxembourg  | ■ Switzerland     |
| ■ Finland        | ■ Malta       | ■ Turkey          |
| ■ France         | ■ Montenegro  | ■ United Kingdom  |
| ■ Germany        | ■ Netherlands |                   |
| ■ Greece         | ■ Norway      |                   |
| ■ Hungary        | ■ Poland      |                   |

### → FINANCE COMMITTEE

#### PERMANENT MEMBERS

France

Germany

Italy

Spain

United Kingdom

#### ELECTED MEMBERS (2019 – 2021)

Croatia

Denmark

Poland

Sweden

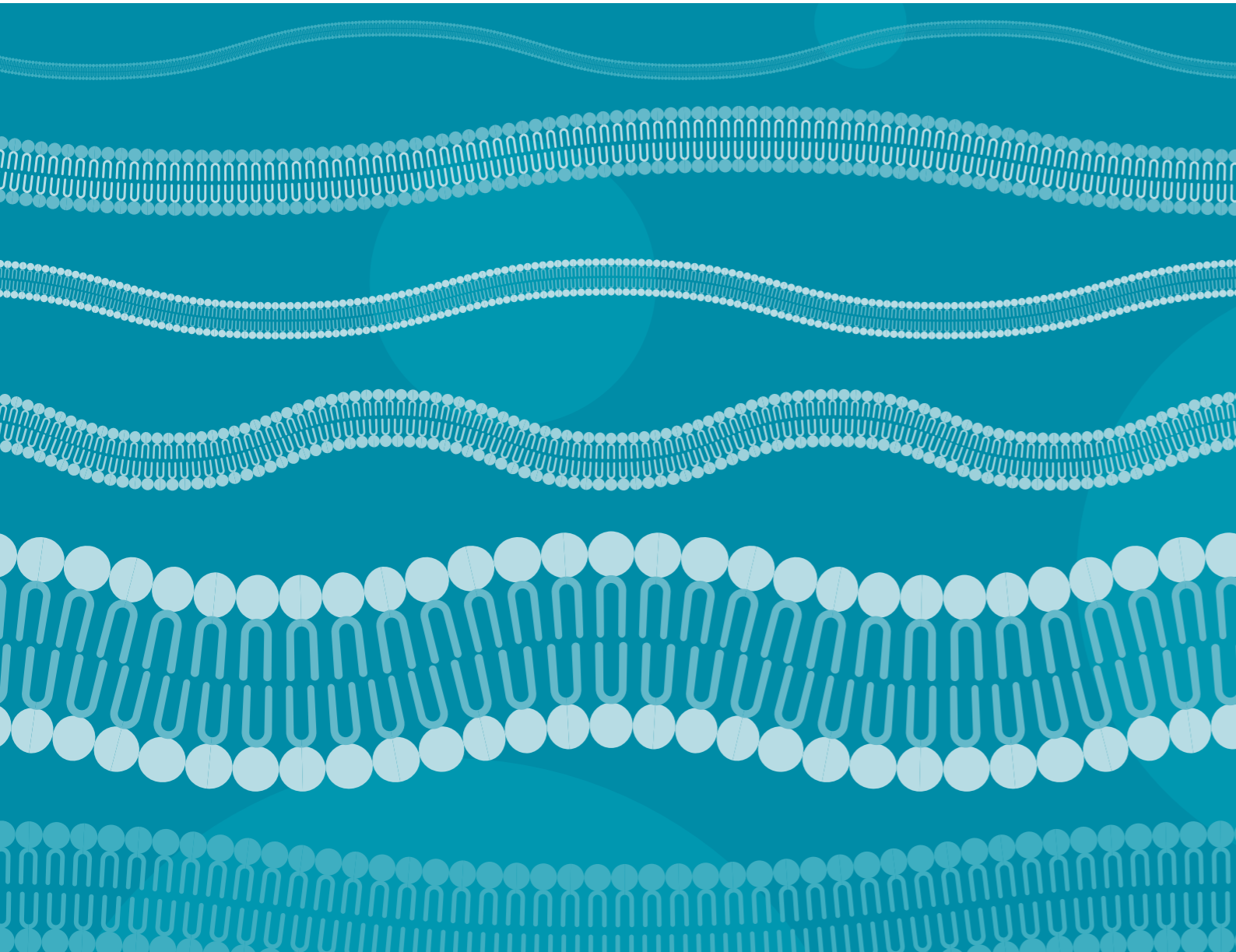
Switzerland

The Netherlands

Turkey

→ For the scale of contributions by the  
individual EMBC Member States,  
see page 13

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# EMBC Delegates & Advisers

embc.embo.org

The EMBC is the intergovernmental body that funds EMBO. It is overseen by a President and a Secretary General. Each EMBC Member State typically appoints one delegate from a relevant government ministry and one scientific adviser.

embc\_office@embo.org

**Prof. Gerrit Van Meer**  
EMBC President

**Anne Paoletti**  
EMBC Secretary General

**Sophia Hercus**  
EMBC Office

## Austria

Dr. Hemma Bauer  
Prof. Veronika Sexl

## Belgium

Ms. Maria-Helena Bosschaerts  
Dr. Laurent Ghys  
Mr. Alain Heynen

## Croatia

Dr. Lovorka Barać Lauc  
Prof. Krešimir Pavelić

## Czech Republic

Mr. Jan Buriánek  
Prof. Zdena Palková

## Denmark

Ms. Stine Vad Bovtrup  
Prof. Birthe Kragelund  
Mr. Troels Tvedegaard Rasmussen

## Estonia

Prof. Maia Kivisaar  
Dr. Toivo Rääm

## Finland

Prof. Johanna Myllyharju  
Dr. Sirpa Nuotio

## France

Dr. Elena Hoffert  
Dr. Anne Paoletti

## Germany

Dr. Barbara Ohnesorge  
Prof. Peter Becker

## Greece

Prof. Spyros Georgatos  
Ms. Panagiota Katsafana

## Hungary

Mr. Gergely Boehm  
Prof. László Patthy

## Iceland

Prof. Eiríkur Steingrímsson

## Ireland

Dr. Maria Nash  
Mr. Garry Purcell

## Israel

Dr. Yossi Kalifa  
Prof. Joel Sussman

## Italy

Prof. Lucia Banci  
Dr. Mauro Bertelletti  
Mr. Fabio Iannaccone

## Lithuania

Dr. Milda Jodinskiene  
Prof. Virginijus Sikšnyš

## Luxembourg

Ms. Josiane Entringer

## Malta

Dr. Joseph Borg  
Dr. Christian Spiteri

## Montenegro

Dr. Danilo Mrdak  
Ms. Djurdjina Bulatović

## Netherlands

Mr. Richard Derksen  
Mr. Peter Steenhuis  
Ms. Mirjam Lieshout-Vijverberg  
Drs. Santje van Londen  
Prof. Gerrit van Meer

## Norway

Prof. Oddmund Bakke  
Dr. Jacob E. Wang

## Poland

Prof. Leszek Kaczmarek  
Ms. Maria Klimkiewicz

## Portugal

Ms. Luisa Igreja  
Prof. Cláudio Sunkel

## Slovak Republic

Mr. Jakub Birka  
Dr. Silvia Pastoreková  
Mr. Marcel Sládok  
Prof. Ján Turňa

## Slovenia

Dr. Tomaz Boh  
Mr. Andrej Ograjenšek  
Prof. Boris Turk

## Spain

Dr. Cristina Bauluz  
Prof. M. Angela Nieto

## Sweden

Prof. Björn Andersson  
Dr. Maria Thuvesson

## Switzerland

Dr. Isabella Beretta  
Dr. Doris Wohlfender-Bühler  
Prof. Anna Jazwinska-Müller  
Dr. Laurent Salzarulo

## Turkey

Prof. Ahmet Ademoglu  
Dr. Jale Sahin

## United Kingdom

Mr. Hugh Dunlop  
Dr. Mark Palmer  
Mr. Tim Willis

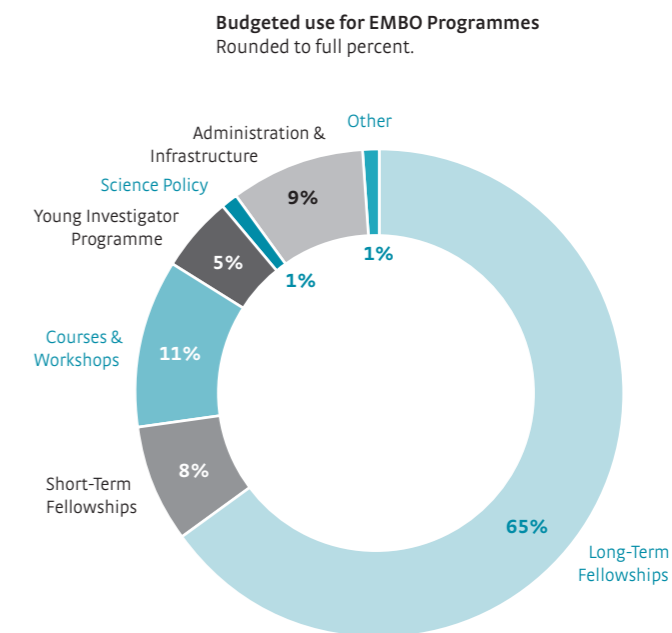
# EMBC Member States financial contributions & use for EMBO Programmes

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The EMBC Member States provide the budget for the execution of the EMBO Programmes. The EMBO books are audited by independent external and internal auditors.

Entire EMBC budget 2019: Euro 21,831,575

EMBC Member State	% of total contributions
Austria	2.08
Belgium	2.54
Croatia	0.33
Czech Republic	0.88
Denmark	1.67
Estonia	0.12
Finland	1.23
France	13.93
Germany	19.04
Greece	1.15
Hungary	0.58
Iceland	0.08
Ireland	0.93
Israel	1.46
Italy	10.4
Lithuania	0.14
Luxembourg	0.18
Malta	0.03
Netherlands	4.4
Norway	2.64
Poland	2.66
Portugal	1.05
Slovak Republic	0.46
Slovenia	0.21
Spain	6.8
Sweden	2.88
Switzerland	3.65
Turkey	4.05
United Kingdom	14.43
<b>Total</b>	<b>100.00</b>





# EMBO Council

www.embo.org/about-embo/council

communications@embo.org

## 2019

The EMBO Council is the governing body of EMBO responsible for ensuring the development of the organization. The EMBO Council comprises 15 EMBO Members.

EMBO Council members	Elected term(s) of office	Name	Country – Town
	2019–2021	Karen B. Avraham	IL-Tel Aviv
	2017–2019	Adrian Bird	UK-Edinburgh
	2014–2016, 2017–2019	Victor de Lorenzo	ES-Madrid
	2018–2020	Matthew Freeman	UK-Oxford
	2019–2021	Eileen Furlong	DE-Heidelberg
	2017–2019	Michael N. Hall	CH-Basel
	2015–2017, 2018–2020	Carl-Henrik Heldin	SE-Uppsala
	2014–2016, 2017–2019	Regine Kahmann	DE-Marburg
	2015–2017, 2018–2020	Jürgen Knoblich	AT-Vienna
	2018–2020	Michel Labouesse	FR-Paris
	2019–2021	Jiri Lukas	DK-Copenhagen
	2019–2021	László Nagy	HU-Debrecen
	2019–2021	Titia Sixma	NL-Amsterdam
	2017–2019	Claudio E. Sunkel	PT-Porto
	2015–2017, 2018–2020	Karen Vousden	UK-London

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

Ex officio Council members	Name	Role
	Maria Leptin	Director, EMBO
	Paul Nurse	Secretary General, EMBO

Observers	Name	Role
	Gerrit van Meer	President, EMBC
	Anne Paoletti	Secretary General, EMBC
	Edith Heard	Director General, EMBL
	Philippe Sansonetti	CHAIR EMBO Membership Committee
	Karim Labib	CHAIR EMBO Young Investigator Committee
	Christian Lehner	CHAIR EMBO Course Committee
	Luca Scorrano	CHAIR EMBO Fellowship Committee
	Paul Nurse	CHAIR EMBL SAC

# EMBO Committees

www.embo.org/about-embo/committees

communications@embo.org

## 2019

Through serving on boards and committees, EMBO Members deliver and guide the organization's programmes, activities and publications. Committee members are appointed by EMBO Council.

### Course Committee

2013	Christian Lehner	CH CHAIR
2019	Asifa Akhtar	DE
2019	Kristina Djinovic-Carugo	AT
2019	Anne-Claude Gavin	CH
2015	Zoi Lygerou	GR
2018	Klaus-Armin Nave	DE
2016	Catherine Rabouille	NL
2016	Peter Sebo	CZ
2016	Jens Stougaard	DK
2018	Jernej Ule	UK
2016	Alfonso Valencia	ES
2015	Núria Verdagué	ES

### Fellowship Committee

2013	Luca Scorrano	IT CHAIR
2018	Malcolm J. Bennett	UK
2018	Frédéric Berger	AT
2016	Yehudit Bergmann	IL
2016	James Briscoe	UK
2017	Francesco Ceconi	DK
2017	Agnieszka Chacinska	PL
2019	Ian Chambers	UK
2016	Marie-Anne Felix	FR
2018	Fatima Gebauer Hernández	ES
2019	Isabel Gordo	PT
2018	Magda Konarska	PL
2019	Ben Luisi	UK
2016	Erin Schumann	DE
2017	Virginijus Siksnys	LT
2015	Michael Sixt	AT
2019	Lea Sistonen	FI
2016	Shahragim Tajbakhsh	FR
2015	Jörg Vogel	DE

### Young Investigator Committee

2014	Karim Labib	UK CHAIR
2018	Buzz Baum	UK
2017	Gerhard Christofori	CH
2017	Antonella de Matteis	IT
2016	Christoph Dehio	CH
2017	Carlos Dotti	ES
2019	Pascal Genschik	FR
2017	Darren Gilmour	CH
2019	Ana-Maria Lennon-Duménil	FR
2017	Irmgard Sinning	DE

### Global Investigator Network Committee

2019	Noel F. Lowndes	IE CHAIR
2019	M. Madan Babu	UK
2019	Manuela Baccarini	AT
2019	Cosima T. Baldari	IT
2019	Chris Bowler	FR
2019	Cayetano González	ES
2019	Marc Lecuit	FR
2019	Ramesh S. Pillai	CH
2019	Iris Salecker	UK
2019	Blanche Schwappach	DE

### Membership Committee

2014	Philippe J. Sansonetti	FR CHAIR
2019	Cédric Blanpain	BE
2019	Dana Branzei	IT
2016	Bernard Malissen	FR
2019	Susanne Mandrup	DK
2017	Pere Puigdomènech	ES
2018	David Ron	UK
2018	Claire Rougeulle	FR
2016	Peter Scheiffele	CH
2019	Kate Storey	UK
2017	Sarah Teichmann	UK
2016	Markus Wahl	DE

### Science Policy Advisory Group\*

2012	Geneviève Almouzni	FR
2012	Ioannis Economidis	BE**
2013	Anne Ephrussi	DE
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Name	Institute	Research interest
Andrea <b>Ablasser</b>	Swiss Federal Institute of Technology   Lausanne, Switzerland	Recognition of DNA by the innate immune system
Sonja-Verena <b>Albers</b>	Universität Freiburg, Germany	Molecular and cellular biology of archaea
Roberto <b>Bassi</b>	Università degli Studi   Verona, Italy; and Consiglio Nazionale delle Ricerche (CNR)   Sesto Fiorentino, Italy	Light use efficiency in plants and algae
Peter <b>Baumann</b>	Institute of Molecular Biology (IMB)   Mainz, Germany; and Johannes-Gutenberg-Universität   Mainz, Germany	Genome stability and chromosome dynamics
Richard <b>Benton</b>	University   Lausanne, Switzerland	Chemosensory neurobiology and evolution
Judith <b>Berman</b>	Tel Aviv University, Israel	Genomic & epigenetic stress response mechanisms
Melanie <b>Blokesch</b>	Swiss Federal Institute of Technology   Lausanne, Switzerland	Bacterial pathoecology and evolution
Wout <b>Boerjan</b>	University   Gent, Belgium	Engineering lignin biosynthesis and structure
Alain <b>Chédotal</b>	Institut de la Vision   Paris, France	Axon guidance mechanisms
Peter R. <b>Cook</b>	Sir William Dunn School   Oxford, United Kingdom	Transcription factories and gene regulation
Nynke H. <b>Dekker</b>	University of Technology   Delft, Netherlands	Single-molecule studies of replication
Andrzej <b>Dziembowski</b>	The Polish Academy of Sciences   Warsaw, Poland	Post-transcriptional regulation of gene expression
I. Sadaf <b>Farooqi</b>	University of Cambridge, United Kingdom	Mechanisms controlling human energy homeostasis
George A. <b>Garinis</b>	IMBB – FORTH   Heraklion, Greece; and University of Crete   Heraklion, Greece	Genome instability, cancer and aging in mammals
Fanni <b>Gergely</b>	Cancer Research UK Cambridge Institute   Cambridge, United Kingdom	Centrosomes in mitosis, development and disease
José Luis <b>Gómez-Skarmeta</b>	Universidad Pablo de Olavide   Sevilla, Spain	Gene regulation during development and evolution
Thomas <b>Gregor</b>	Institut Pasteur   Paris, France; and Princeton University, United States	Physics of biological function
Barbara Ann <b>Halkier</b>	University of Copenhagen   Frederiksberg, Denmark	The role of plant specialized metabolism

Name	Institute	Research interest
Birgitta <b>Henriques Normark</b>	Karolinska Institutet   Solna, Sweden; and Karolinska University Hospital   Stockholm, Sweden	Microbial-host interactions in health and disease
Elina <b>Ikonen</b>	University of Helsinki, Finland	Lipid transport and storage in human cells
Sten Eirik W. <b>Jacobsen</b>	Karolinska Institutet   Stockholm, Sweden; and University of Oxford, United Kingdom	Normal and leukemic hematopoietic stem cell biology
Peter <b>Jonas</b>	Institute of Science and Technology Austria (IST)   Klosterneuburg, Austria	Structure and function of central synapses
Paul <b>Lehner</b>	University of Cambridge, United Kingdom	Viral silencing and immune evasion pathways
Ruth E. <b>Ley</b>	MPI für Entwicklungsbiologie   Tübingen, Germany	Co-evolution of humans and their microbiomes
Purificación <b>López-García</b>	Université de Paris-Sud   Orsay, France	Microbial diversity, ecology and evolution
Susan E. <b>Mango</b>	Biozentrum   University of Basel, Switzerland	Embryonic development and plasticity
Giovanni <b>Marsicano</b>	Neurocentre Magendie   Bordeaux, France	The endocannabinoid system: a path to brain complexity
Adèle L. <b>Marston</b>	Wellcome Centre for Cell Biology   Edinburgh, United Kingdom	Chromosome segregation in mitosis and meiosis
Roberto <b>Mayor</b>	University College London, United Kingdom	Cell migration & differentiation in embryo development
Ron <b>Milo</b>	Weizmann Institute of Science   Rehovot, Israel	Design principles of energy and carbon metabolism
Garib <b>Murshudov</b>	MRC Laboratory of Molecular Biology   Cambridge, United Kingdom	Computational structural biology
Marcin <b>Nowotny</b>	International Institute of Molecular and Cell Biology   Warsaw, Poland	Mechanisms of nucleic acid processing
Lalita <b>Ramakrishnan</b>	MRC Laboratory of Molecular Biology   Cambridge, United Kingdom	Tuberculosis pathogenesis and immunity
Katrin <b>Rittinger</b>	Francis Crick Institute   London, United Kingdom	Mechanisms of ubiquitin-dependent signalling
Aurélien <b>Roux</b>	University of Geneva, Switzerland	Mechanics of biological surface morphogenesis
Rickard <b>Sandberg</b>	Karolinska Institutet   Stockholm, Sweden	Single-cell genomics to decipher gene regulation
James <b>Sharpe</b>	EMBL   Barcelona, Spain	Multicellular systems biology
Bruno <b>Silva-Santos</b>	Instituto de Medicina Molecular João Lobo Antunes   Lisbon, Portugal	T cell functions in healthy and malignant tissues
Nicole <b>Soranzo</b>	Wellcome Sanger Institute   Cambridge, United Kingdom; and University of Cambridge, United Kingdom	Human genome variation in health and disease
Robert <b>Tampé</b>	Goethe University   Frankfurt, Germany; and University of Oxford, United Kingdom	Macromolecular complexes in adaptive immunity
Manuel <b>Théry</b>	Hôpital St. Louis   Paris, France; and Interdisciplinary Research Institute of Grenoble (IRIG), France	Cell architecture and polarity

Name	Institute	Research interest
Miguel <b>Torres</b>	Centro Nacional de Investigaciones Cardiovasculares (CNIC)   Madrid, Spain	Mechanisms of organ development & regeneration
James M. <b>Turner</b>	Francis Crick Institute   London, United Kingdom	Sex chromosome biology
Štěpánka <b>Vaňáčová</b>	Central European Institute of Technology (CEITEC)   Brno, Czech Republic	RNA modifications in RNA processing and decay
Éric <b>Vivier</b>	Centre d'Immunologie   Marseille, France; and Innate Pharma   Marseille, France	Innate lymphoid cells
Julia <b>Vorholt</b>	ETH Zurich, Switzerland	Microbial physiology
Patrick <b>Wincker</b>	Genoscope   Évry, France	Ecosystem and evolutionary genomics
Claire <b>Wyart</b>	Institut du Cerveau et de la Moelle Épineuse (ICM)   Paris, France	Tasting and sensing flow of the cerebrospinal fluid

## EMBO Associate Members 2019

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Yoshihide <b>Hayashizaki</b>	RIKEN Preventive Medicine & Diagnosis Innovation Program   Saitama, Japan	Omics science by the international FANTOM Consortium
Eva <b>Nogales</b>	University of California   Berkeley, United States; and Lawrence Berkeley National Laboratory   Berkeley, United States	CryoEM study of macromolecular structural dynamics
Noriko <b>Osumi</b>	Tohoku University   Sendai, Japan	Transgenerational epigenetic effects of sperm aging
Fernando J. <b>Pitossi</b>	Fundación Instituto Leloir   Buenos Aires, Argentina	Inflammation in the brain and cell differentiation
G.V. <b>Shivashankar</b>	National University of Singapore, Singapore	Mechanobiology of genome architecture & regulation
Jennifer L. <b>Stow</b>	The University of Queensland   Brisbane, Australia	Protein trafficking, signalling and inflammation
Joanna <b>Wysocka</b>	Stanford University, United States	Gene regulation in human development, disease & evolution

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# EMBO Fellowships

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David del Alamo  
Programme Head

## EMBO Long-Term Fellowships →→

### EMBO Long-Term Fellowships: Statistics

#### Applications and awards 2015 – 2019

Year	Applications	Awards	Success rate %
2019	1189	184	16
2018	1200	190	16
2017	1190	189	16
2016	1561	170	11
2015	1549	252	16

### EMBO Long-Term Fellowships: Statistics

#### Applications and awards 2015 – 2019

Country from*	Applications	% of total	Awards	% of total	Success rate %
Austria	72	1	18	2	25
Belgium	120	2	20	2	17
Croatia	34	0	8	1	24
Czech Republic	79	1	9	1	11
Denmark	24	0	1	0	4
Estonia	23	0	2	0	9
Finland	54	1	7	1	13
France	721	10	89	9	12
Germany	617	9	149	15	24
Greece	97	1	12	1	12
Hungary	55	1	3	0	5
Iceland	2	0	1	0	50
India	487	7	26	3	5
Ireland	46	1	5	1	11
Israel	342	5	67	7	20
Italy	525	8	83	8	16
Lithuania	16	0	4	0	25
Luxembourg	3	0	1	0	33
Malta	3	0	0	0	0
Montenegro	1	0	1	0	100
Netherlands	214	3	49	5	23
Norway	3	0	1	0	33
Poland	159	2	18	2	11
Portugal	194	3	26	3	13
Singapur	8	0	1	0	13
Slovak Republic	25	0	1	0	4
Slovenia	14	0	2	0	14
Spain	773	11	86	9	11
Sweden	88	1	10	1	11
Switzerland	58	1	15	2	26
Turkey	73	1	9	1	12
United Kingdom	201	3	50	5	25
Eastern Europe	135	2	20	2	15
USA/Canada	317	5	69	7	22
Others	1306	19	122	12	9
<b>Total</b>	<b>6889</b>	<b>100</b>	<b>985</b>	<b>100</b>	<b>14</b>

\*“Country from” refers to nationality

**EMBO Long-Term Fellowships awarded in 2019 | EMBC Member States' nationals**

Name	Nationality	Home institute	Group leader	Host institute	Project
Lukas <b>Groschner</b>	Austrian	University of Oxford, United Kingdom	Alexander Borst	MPI für Neurobiologie   Martinsried, Germany	Neural arithmetic of motion vision
Markus <b>Linder</b>	Austrian	Medical University of Vienna, Austria	Michael N. Hall	Biozentrum   University of Basel, Switzerland	Histidine phosphorylation in colorectal cancer
Julia <b>Pfanzelter</b>	Austrian	Francis Crick Institute   London, United Kingdom	Stephan Grill	Technische Universität   Dresden, Germany	Physical basis of apoptosis and size sensing
Roman <b>Praschberger</b>	Austrian	University of London   London, United Kingdom	Patrik Verstreken	Katholieke Universiteit   Leuven, Belgium	Elucidating the differential neuronal impact of neurodegeneration-associated toxic proteins
Eva Maria <b>Rebrova</b>	Austrian	Karolinska Institutet   Stockholm, Sweden	Nicholas M. I. Taylor	University   Copenhagen, Denmark	Mechanism and function of a natural eukaryote-targeting nanoinjection system
Natalie <b>Romanov</b>	Austrian	EMBL   Heidelberg, Germany	Martin Beck	MPI für Biophysik   Frankfurt, Germany	Unraveling drug reaction variability across individuals by thermal proteome profiling.
Jasmin <b>Taubenschmid-Stowers</b>	Austrian	IMBA   Vienna, Austria	Wolf Reik	Babraham Institute   Cambridge, United Kingdom	Identification of regulators of zygotic genome activation by single cell transcriptome screening
Anaxi <b>Houbaert</b>	Belgian	Ghent University, Belgium	Niko Geldner	University   Lausanne, Switzerland	Make it, don't break it: a gain-of-function reconstitution screen for Casparian strip formation
Arnaud <b>Vanden Broeck</b>	Belgian	Institute of Genetics and Molecular and Cellular Biology (IGBMC)   Illkirch, France	Sebastian Klinge	Rockefeller University   New York, United States	Human ribosome biogenesis: towards an in-depth structure-function understanding
Niko <b>Amin-Wetzel</b>	British	University of Cambridge, United Kingdom	Mario de Bono	Institute of Science and Technology Austria (IST)   Klosterneuburg, Austria	Control of gene expression at the endoplasmic reticulum
Christopher <b>Booth</b>	British	University of Oxford, United Kingdom	Andrew Lane	Dana-Farber Cancer Institute   Boston, United States	Lineage specific roles of IRF8 and Myb in pathogenesis of blastic plasmacytoid dendritic cell neoplasm
David <b>Bradley</b>	British	Wellcome Genome Campus   Hinxton, United Kingdom	Christian Landry	Université Laval   Québec, Canada	Exploring evolutionary mechanisms to buffer spurious crosstalk in signalling networks
Helena <b>Cantwell</b>	British	Francis Crick Institute   London, United Kingdom	Rebecca Heald	University of California   Berkeley, United States	Molecular basis of spindle morphology changes at the meiosis-to-mitosis transition
Marie <b>Christou-Kent</b>	British	Institute for Advanced Biosciences   Grenoble, France	Thomas Graf	Centro de Regulación Genómica (CRG)   Barcelona, Spain	Exploring the cross-talk between C/EBPα and Oct4 during early embryo development

**EMBO Long-Term Fellowships awarded in 2019 | EMBC Member States' nationals**

Name	Nationality	Home institute	Group leader	Host institute	Project
Priya <b>Crosby</b>	British	MRC Laboratory of Molecular Biology   Cambridge, United Kingdom	Carrie Partch	University of California   Santa Cruz, United States	The role of PERIOD in the circadian repressive complex and circadian entrainment
Gillian <b>Dunphy</b>	British	Lancaster University, United Kingdom	David Sancho Madrid	Centro Nacional de Investigaciones Cardiovasculares (CNIC)   Madrid, Spain	Dissecting molecular mechanisms that connect innate sensing and mitochondrial adaptations in dendritic cells
Dominic <b>Evans</b>	British	University College London, United Kingdom	Gilles Laurent	MPI für Hirnforschung   Frankfurt, Germany	From vision to camouflage: behavioural computations in the cuttlefish
Ryan <b>Hamnett</b>	British	MRC Laboratory of Molecular Biology   Cambridge, United Kingdom	Julia Kaltschmidt	Stanford University, United States	Molecular characterisation and functional assessment of glutamatergic cells in the enteric nervous system
Natasha <b>Jansz</b>	British	Walter and Eliza Hall Institute   Parkville, Australia	Maria Elena Torres Padilla	Helmholtz Zentrum   München, Germany	Transposable elements as regulators of genome architecture during pre-implantation development
Liane Josie <b>Josie</b>	British	Imperial College   London, United Kingdom	Kay Grunewald	University   Hamburg, Germany	Using visual proteomics to understand membrane dynamics in the malaria parasite <i>Plasmodium falciparum</i>
Alice <b>Sherrard</b>	British	University of Bristol, United Kingdom	Clodagh O'Shea	Salk Institute for Biological Studies   La Jolla, United States	Understanding the relationship between heterochromatin structure and gene expression
Mathew <b>Tata</b>	British	University College London, United Kingdom	Jonas Frisén	Karolinska Institutet   Stockholm, Sweden	Vascular regulation of human neurogenesis after stroke
Michael <b>Webster</b>	British	MRC Laboratory of Molecular Biology   Cambridge, United Kingdom	Albert Weixlbaumer	Institute of Genetics and Molecular and Cellular Biology (IGBMC)   Illkirch, France	Molecular basis of transcription-translation coupling in bacteria by cryo-electron microscopy
Marija <b>Matejčić</b>	Croatian	MPI für molekulare Zellbiologie und Genetik   Dresden, Germany	Xavier Trepat	Institut de Bioenginyeria de Catalunya (IBEC)   Barcelona, Spain	Linking mechanics to shape and fate in intestinal organoids
Mia <b>Petljak</b>	Croatian	Wellcome Sanger Institute   Cambridge, United Kingdom	Aviv Regev	Broad Institute of MIT and Harvard   Cambridge, United States	Molecular Origins of APOBEC-associated Mutational Signatures in Human Cancer
Marko <b>Šestan</b>	Croatian	University   Rijeka, Croatia	Henrique Veiga-Fernandes	University of Lisbon, Portugal	It takes two for tango: neuroimmune regulation of metabolic homeostasis
Christina <b>Gladkova</b>	Czech	MRC Laboratory of Molecular Biology   Cambridge, United Kingdom	Ronald D. Vale	University of California San Francisco, United States	Understanding mitochondrial trafficking: Linking mitochondria to motors

**EMBO Long-Term Fellowships awarded in 2019 | EMBC Member States' nationals**

Name	Nationality	Home institute	Group leader	Host institute	Project
Matouš Glanc	Czech	Institute of Science and Technology Austria (IST)   Klosterneuburg, Austria	Bert De Rybel	VIB Center for Plant Systems Biology   Ghent, Belgium	The role of tetraspanins in plant cell division orientation
Veronika Ostapcuk	Czech	Friedrich Miescher Institute   Basel, Switzerland	Cigall Kadoch	Dana-Farber Cancer Institute   Boston, United States	Mechanistic dissection of the PBAF chromatin remodeling complex in renal cancer
Mitchell Bijnen	Dutch	University   Maastricht, Netherlands	Marc Bajénoff	Centre d'Immunologie   Marseille, France	Macrophage and stromal cell interaction: characterizing the niches
Eva Brinkman	Dutch	Netherlands Cancer Institute   Amsterdam, Netherlands	Vicente Pelechano	Karolinska Institutet   Solna, Sweden	Genetic wiring maps of co-acting transcriptional factors in single cells
Anne Margriet Heijink	Dutch	University   Groningen, Netherlands	Daniel Durocher	Mount Sinai Hospital   Toronto, Canada	Network-based analysis of alternative homology-directed repair pathways
Ruben Hulswit	Dutch	Utrecht University, Netherlands	Thomas Bowden	University of Oxford, United Kingdom	Structural basis of neurotropic bornavirus glycoprotein assembly and function: template for therapeutic design.
Rob Van Dalen	Dutch	Utrecht University, Netherlands	Andreas Peschel	Universität   Tübingen, Germany	Host control of nasal microbiota by secretory IgA.
Dieke Van Dinther	Dutch	Cancer Center   Amsterdam, Netherlands	David Sancho	Centro Nacional de Investigaciones Cardiovasculares (CNIC)   Madrid, Spain	Functional relevance of mitochondrial supercomplex assembly in myeloid cells
Laurens Van Tienen	Dutch	MRC Laboratory of Molecular Biology   Cambridge, United Kingdom	William Sellers	Broad Institute of MIT and Harvard   Cambridge, United States	Identification of paralogous gene dependencies in cancer
Rosina Savisaar	Estonian	Nile University   Giza, Egypt	Maria Carmo-Fonseca	Instituto de Medicina Molecular João Lobo Antunes   Lisbon, Portugal	From co-transcriptional splicing kinetics to the evolutionary impact of exon and intron definition
Matti Turtola	Finnish	University   Turku, Finland	Torben Heick Jensen	Aarhus University, Denmark	Characterising Nab2-mediated regulation of gene expression
Chloé Baron	French	Hubrecht Institute   Utrecht, Netherlands	Leonard Zon	Children's Hospital Boston   Boston, United States	Clonal dynamics and architecture of the blood stem cell niche
Eloise Bertiaux	French	Institut Pasteur   Paris, France	Paul Guichard	University of Geneva, Switzerland	Deciphering the structural and molecular mechanisms governing microtubule doublet formation
Chloé Béziat	French	University of Natural Resources and Life Sciences   Vienna, Austria	Yvon Jaillais	École Normale Supérieure   Lyon, France	Phosphatidylserine on the road: understanding the formation of developmentally-controlled lipid patterns in Arabidopsis thaliana

**EMBO Long-Term Fellowships awarded in 2019 | EMBC Member States' nationals**

Name	Nationality	Home institute	Group leader	Host institute	Project
Célian Bimbard	French	IBENS   INSERM 1024 - CNRS 8197   Paris, France	Matteo Carandini	University College London, United Kingdom	Multimodal integration of auditory signals in visual cortex
Drice Challal	French	Institut Jacques Monod   Paris, France	Benjamin Blencowe	University of Toronto, Canada	Regulation and function of dynamic RNA interactions and splicing transitions during neurogenesis
Flavie Coquel	French	CNRS Institute of Human Genetics   Montpellier, France	Andrea Ablasser	Swiss Federal Institute of Technology   Lausanne, Switzerland	Dissecting STING-independent roles for cGAS in senescence and viral infection
Julie Darrigues	French	Center of Pathophysiology of Toulouse Purpan, France	Julie Ribot	Instituto de Medicina Molecular   Lisboa, Portugal	Deciphering the role of meningeal gamma delta17T cells in Parkinson's disease
Clémence Frioux	French	Université de Rennes 1   Rennes, France	Oliver Ebenhöf	Heinrich Heine University   Düsseldorf, Germany	Development of mathematical models to understand the functional organisation and stability of root microbiota
Juliane Glaser	French	Institut Curie   Paris, France	Stefan Mundlos	Max Planck Institute for Molecular Genetics   Berlin, Germany	The role of MusD transposable elements in the 3D regulation of the mammalian genome
Kevin Grosselin	French	École Supérieure de Physique et de Chimie Industrielles (ESPCI)   Paris, France	Bradley Bernstein	Broad Institute of MIT and Harvard   Cambridge, United States	Connecting genome architecture to regulatory functions in single-cells
Sarah Guiziou	French	Centre de Biochimie Structurale   Montpellier, France	Jennifer Nemhauser	University of Washington   Seattle, United States	Decoding complex, time-dependent gene regulation networks shaping development
Philippe Jean	French	Göttingen Graduate School of Neurosciences   Göttingen, Germany	Nicolas Michalski	Institut Pasteur   Paris, France	Characterising the role of the cadherin-related proteins cdhr15 and cdhr23 in the shaping and functioning of auditory cortex microcircuits
Vincent Loubiere	French	CNRS Institute of Human Genetics   Montpellier, France	Alexander Stark	IMP   Vienna, Austria	Deciphering the principles of enhancer cooperativity
Margot Riggi	French	University of Geneva, Switzerland	Janet Iwasa	University of Utah   Salt Lake City, United States	Animating ESCRT-mediated membrane remodeling
Léa Ripoll	French	Institut Curie   Paris, France	Mark Von Zastrow	University of California San Francisco, United States	Deciphering the localization, trafficking and functions of mammalian adenylyl cyclase isoforms
Mateusz Trylinski	French	Institut Pasteur   Paris, France	Buzz Baum	MRC Laboratory for Molecular Cell Biology   London, United Kingdom	The coordination of cell growth and shape during the formation of a functioning organ
Maria Bottermann	German	MRC Laboratory of Molecular Biology   Cambridge, United Kingdom	Facundo Batista	Ragon Institute of MGH   MIT and Harvard, United States	The role of Nox2 and Atg14 in regulating canonical and non-canonical autophagy during early B cell function



**EMBO Long-Term Fellowships awarded in 2019 | EMBC Member States' nationals**

Name	Nationality	Home institute	Group leader	Host institute	Project
Katharina Braunger	German	Ludwig-Maximilians-Universität   München, Germany	Susan M. Lea	Sir William Dunn School   Oxford, United Kingdom	Structural characterization of surface-bound convertase formation in the human complement system
Lisa Buchauer	German	Deutsches Krebsforschungszentrum (DKFZ)   Heidelberg, Germany	Shalev Itzkovitz	Weizmann Institute of Science   Rehovot, Israel	Inferring dynamic gene regulatory strategies in intact tissues
German Camargo Ortega	German	Ludwig-Maximilians-Universität (LMU)   Martinsried, Germany	Timm Schroeder	ETH Zurich, Switzerland	Uncovering the function of centrosomes and microtubule dynamics in adult hematopoietic stem cell fate decisions
Nils Eling	German	European Bioinformatics Institute   Hinxton   Cambridge, United Kingdom	Bernd Bodenmiller	University of Zurich, Switzerland	Profiling the emergence of cellular heterogeneity in breast cancer organoids
Christina Ernst	German	European Bioinformatics Institute   Hinxton   Cambridge, United Kingdom	Didier Trono	Swiss Federal Institute of Technology   Lausanne, Switzerland	Expanding the regulatory role of human KRAB-zinc finger proteins through characterisation of their RNA interactome
Christina Maria Franck	German	University of Cologne, Germany	Cyril Zipfel	University of Zurich, Switzerland	Deciphering the dynamic network of malectin-like receptor kinases regulating plant innate immunity
Daniel Friedrich	German	Leibniz-Institut für Molekulare Pharmakologie (FMP)   Berlin, Germany	Gerhard Wagner	Harvard Medical School   Boston, United States	Deciphering the molecular mechanisms of non-canonical translation orchestrating cell fate decisions
Thomas Hainmueller	German	Universität Freiburg, Germany	György Buzsaki	New York University, United States	The mossy fiber synapse—imprinting a memory trace in CA3
Katja Hansen	German	Universität   Kaiserslautern, Germany	L. Stirling Churchman	Harvard Medical School   Boston, United States	Exploring the impact of mitochondrial transcription regulation and the spatial distribution of mRNAs on OXPHOS biogenesis
Sarah Henrikus	German	University   Wollongong, Australia	Alessandro Costa	Francis Crick Institute   London, United Kingdom	Cryo-EM visualization of sister chromatid cohesion establishment at the replication fork
Annabelle Hoegl	German	Technical University of Munich   Garching, Germany	Chunaram Choudhary	University   Copenhagen, Denmark	Global profiling of the GCN5/PCAF-regulated acetylome and proteome
Dominik Hoelper	German	University of Wisconsin   Madison, United States	Robin C. Allshire	Wellcome Centre for Cell Biology   Edinburgh, United Kingdom	Investigating molecular determinants of neocentromere specification via single-locus affinity purification
Ulrich Hohmann	German	University of Geneva, Switzerland	Julius Brennecke	IMBA   Vienna, Austria	Mechanistic analysis of piRNA precursor nuclear export

**EMBO Long-Term Fellowships awarded in 2019 | EMBC Member States' nationals**

Name	Nationality	Home institute	Group leader	Host institute	Project
Natalie Kaempf	German	Leibniz-Institut für Molekulare Pharmakologie (FMP)   Berlin, Germany	Patrik Verstreken	Katholieke Universiteit   Leuven, Belgium	Sleep dysfunction in Parkinson's disease
Laura Kremer	German	Helmholtz Zentrum München   Neuherberg, Germany	Nils-Göran Larsson	Karolinska Institutet   Stockholm, Sweden	Maintaining functional mammalian mtDNA between generations
Judith Kribelbauer	German	Columbia University   New York, United States	Bart Deplancke	Swiss Federal Institute of Technology   Lausanne, Switzerland	Dissecting the molecular building principles of locally formed transcriptional hubs
Franziska Kundel	German	University of Cambridge, United Kingdom	Jan Ellenberg	EMBL   Heidelberg, Germany	PAINTing the early mammalian genome using super-resolution microscopy
Marie-Therese MacKnull	German	EMBL   Heidelberg, Germany	Paola Picotti	ETH Zurich, Switzerland	Linking altered protein structures to disease subtypes and progression of Parkinson's disease
Mathias Mahn	German	Weizmann Institute of Science   Rehovot, Israel	Andreas Lüthi	Friedrich Miescher Institute   Basel, Switzerland	Integration of emotional information during decision-making
Hendrik Messal	German	Francis Crick Institute   London, United Kingdom	Jacco Van Rheenen	Netherlands Cancer Institute   Amsterdam, Netherlands	Whole-organ imaging to identify stem cell pools in the adult mammary gland and reveal their crosstalk in hormone-induced tissue remodeling
Katrina Meyer	German	Max-Delbrück-Centrum   Berlin, Germany	Lucas Pelkmans	University of Zurich, Switzerland	DYRK3 as a regulator of phase-transition in chromatin-based transcriptional control
Alexander Mietke	German	MPI für Physik komplexer Systeme   Dresden, Germany	Joern Dunkel	Massachusetts Institute of Technology (MIT)   Cambridge (MA), United States	Identifying essential mechanical and biochemical mechanisms in the formation of mesoscopic biofilm architectures
Lukas Milles	German	Ludwig-Maximilians-Universität   München, Germany	David Baker	University of Washington   Seattle, United States	Deconstructing the fundamental principles of protein mechanics through de novo design
Markus Mund	German	EMBL   Heidelberg, Germany	Marko Kaksonen	University of Geneva, Switzerland	Dynamics and mechanics of endocytosis in the native tissue context—EndoDroso
Fena Ochs	German	University   Copenhagen, Denmark	Kim A. Nasmyth	University of Oxford, United Kingdom	Investigating the mechanism of cohesion establishment in human cells
Tobias Thomas Schmidt	German	Deutsches Krebsforschungszentrum (DKFZ)   Heidelberg, Germany	Jan Karlseder	Salk Institute for Biological Studies   La Jolla, United States	Mechanisms of escape from telomere-driven crisis
Jakob Trendel	German	EMBL   Heidelberg, Germany	Bernhard Kuster	Technische Universität   München, Germany	Time-resolved quantification of protein-RNA interactions during DNA double-strand break repair in human cells

EMBO Long-Term Fellowships awarded in 2019 | EMBC Member States' nationals

Name	Nationality	Home institute	Group leader	Host institute	Project
Martin Vögele	German	MPI für Biophysik   Frankfurt, Germany	Ron Dror	Stanford University School of Medicine, United States	From structures to movies: combining cryo-electron microscopy and computer simulation to reveal macromolecular mechanisms
Philipp Wahle	German	Max-Delbrück-Centrum   Berlin, Germany	Grayson J. Camp	Institute of Molecular and Clinical Ophthalmology   Basel, Switzerland	Multiplexed transcript and protein maps of microglia-incorporated retinal organoids at cellular and subcellular resolution.
Matthias Weith	German	Universität Duisburg-Essen   Essen, Germany	Paola Picotti	ETH Zurich, Switzerland	Structural and genetic variability of the proteostasis network in yeast during heat stress
Jonas Wietek	German	Humboldt University   Berlin, Germany	Ofer Yizhar	Weizmann Institute of Science   Rehovot, Israel	BLAS <sup>2</sup> T: Bi-stable light-activated silencing of synaptic transmission
Eleni Dimou	Greek	Universität   Heidelberg, Germany	David Klenerman	University of Cambridge, United Kingdom	Imaging the trans-cellular spreading and seeding of the Alzheimer's disease associated Tau protein at a single aggregate resolution
Ákos Nyerges	Hungarian	Biological Research Centre   Szeged, Hungary	George Church	Harvard Medical School   Boston, United States	Bacterial evolution with a reduced genetic code
Abel Vertesy	Hungarian	IMBA   Vienna, Austria	Jürgen Knoblich	IMBA   Vienna, Austria	Pheno-connectomics of human neurodevelopmental diseases
Miri Adler	Israeli	Weizmann Institute of Science   Rehovot, Israel	Aviv Regev	Broad Institute of MIT and Harvard   Cambridge, United States	Principles of cell communication circuits in tissue repair and fibrosis
Miri Danan-Gotthold	Israeli	Bar-Ilan University   Ramat Gan, Israel	Sten Linnarsson	Karolinska Institutet   Stockholm, Sweden	Reveal early neurodevelopment at high resolution using single cell approaches
Yaniv Eyal-Lubling	Israeli	Weizmann Institute of Science   Rehovot, Israel	Peter J. Campbell	Wellcome Sanger Institute   Cambridge, United Kingdom	Comprehensive profiling of tumors and normal tissues with the residing immune cells by overlaying single-cell RNA-seq data on somatic mutant clones
Yaniv Eyal-Lubling	Israeli	Weizmann Institute of Science   Rehovot, Israel	Carlos Caldas	Cancer Research UK Cambridge Institute   Cambridge, United Kingdom	Comprehensive profiling of breast tumors and matching normal tissues with the residing immune cells by overlaying single-cell RNA-seq data on somatic mutant clones
Leah Houri-Ze'evi	Israeli	Tel Aviv University, Israel	Leslie Vosshall	Rockefeller University   New York, United States	Mechanisms of a Lifetime of Behavior in <i>Aedes aegypti</i> Mosquito Females
Itamar Lev	Israeli	Tel Aviv University, Israel	Manuel Zimmer	IMP   Vienna, Austria	Deciphering the functions and mechanisms of brain-wide motor representations
Jonathan Lezmy	Israeli	Tel Aviv University, Israel	David Attwell	University College London, United Kingdom	Regulation of myelinated axonal excitability by perinodal glial cells

EMBO Long-Term Fellowships awarded in 2019 | EMBC Member States' nationals

Name	Nationality	Home institute	Group leader	Host institute	Project
Waleed Minzel	Israeli	The Hebrew University   Jerusalem, Israel	Jonathan Kipnis	University of Virginia   Charlottesville, United States	IFN $\gamma$ /IFN $\gamma$ R signaling and neuromodulation
Tali Reiner Brodetzki	Israeli	Tel Aviv University, Israel	Roberto Bonasio	University of Pennsylvania   Philadelphia, United States	Neuronal plasticity in adult ant brains during caste transition and its effect on learning and memory
Daphna Rothschild	Israeli	Weizmann Institute of Science   Rehovot, Israel	Maria Barna	Stanford University, United States	Assembly and functional characterization of the heterogeneous human ribosomal DNA variants across populations, tissues and different health parameters and diseases
Dor Russ	Israeli	Technion   Haifa, Israel	Jeffery Dangl	University of North Carolina   Chapel Hill, United States	Specificity in the plant-microbiome ecosystem
Nadav Shai	Israeli	Weizmann Institute of Science   Rehovot, Israel	Leslie Vosshall	Rockefeller University   New York, United States	To bite or not to bite: Master regulators of mosquito attraction to humans
Uri Weill	Israeli	Weizmann Institute of Science   Rehovot, Israel	Jochen Rink	MPI für molekulare Zellbiologie und Genetik   Dresden, Germany	Probing the basis of dynamic tissue homeostasis with planarian stem cell chimeras
Niccolò Arecco	Italian	EMBL   Heidelberg, Germany	Manuel Irimia	Centro de Regulación Genómica (CRG)   Barcelona, Spain	Alternative demixing: does alternative splicing regulate phase separation abilities of chromatin-associated factors?
Matteo Boretto	Italian	Katholieke Universiteit   Leuven, Belgium	Hans C. Clevers	Hubrecht Institute   Utrecht, Netherlands	Deciphering the effects of FBXW7 mutations in endometrial cancer with CRISPR/Cas9 engineered human endometrial organoids.
Roberta Cagnetta	Italian	University of Cambridge, United Kingdom	Nahum Sonenberg	McGill University   Montreal, Canada	Role and regulatory mechanisms of mRNA translation in memory consolidation and reconsolidation in somatostatin interneurons of the prefrontal cortex
Giuseppe Condomitti	Italian	Gasthuisberg Campus   Leuven, Belgium	Beatriz Rico	MRC Centre for Developmental Neurobiology   London, United Kingdom	Dissecting the molecular code underlying Somatostatin interneuron subpopulation-specific wiring in cortical circuits
Duccio Conti	Italian	Queen Mary   University of London, United Kingdom	Andrea Musacchio	MPI für molekulare Physiologie   Dortmund, Germany	Role of PLK1 kinase in the epigenetic inheritance of centromeres
Riccardo De Santis	Italian	University of Rome 'Sapienza'   Rome, Italy	Ali Brivanlou	Rockefeller University   New York, United States	In-vitro modeling of human embryonic brain structures through optogenetic induction of polarizing signals

**EMBO Long-Term Fellowships awarded in 2019 | EMBC Member States' nationals**

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Mattia <b>Falcone</b>	Italian	Deutsches Krebsforschungszentrum (DKFZ)   Heidelberg, Germany	Oliver Maddocks	University of Glasgow, United Kingdom	Metabolic-epigenetic crosstalk in the tumour-stroma niche
Angelo <b>Forli</b>	Italian	Italian Institute of Technology   Genova, Italy	Michael Yartsev	University of California   Berkeley, United States	From social networks to neural networks: Imaging social memory in the bat hippocampus
Eleonora <b>Meschi</b>	Italian	Institut de Biologie Valrose   Nice, France	Scott Waddell	University of Oxford, United Kingdom	Identification of deleterious central effects caused by diet-induced obesity: does obesity lead to neuro-inflammation and cognitive impairments?
Alberto <b>Pezzotta</b>	Italian	International School for Advanced Studies   Trieste, Italy	James Briscoe	Francis Crick Institute   London, United Kingdom	A forward-engineering approach to decipher morphogen signalling strategies in tissue development
Emilia <b>Puig Lombardi</b>	Italian	Institut Curie   Paris, France	Madalena Tarsounas	University of Oxford, United Kingdom	Monitoring cancer stem cell dynamics and therapeutic response in BRCA2-deficient breast tumour cells
Annamaria <b>Sgromo</b>	Italian	MPI für Entwicklungsbiologie   Tübingen, Germany	Stefan Ameres	IMBA   Vienna, Austria	Molecular and functional characterization of metazoan RNA 3'-end uridylation
Georgij <b>Kostiuk</b>	Lithuanian	Vilnius University, Lithuania	Grazvydas Lukinavicius	MPI für biophysikalische Chemie   Göttingen, Germany	Tracking the fate of foreign DNA in living bacterial cells by nanoscopy
Mihailo <b>Mirkovic</b>		Instituto Gulbenkian de Ciência   Oeiras, Portugal	Yves Barral	ETH Zurich, Switzerland	Biological significance of age-dependent spindle pole body (SPB) inheritance
Katarzyna <b>Kliza</b>	Polish	Goethe University   Frankfurt, Germany	Michiel Vermeulen	Radboud University   Nijmegen, Netherlands	Identification of novel poly(ADP-ribose)-binding proteins and their role in regulating DNA damage response pathways
Rita <b>Domingues</b>	Portuguese	Champalimaud Centre for the Unknown   Lisbon, Portugal	Matthew Hepworth	University of Manchester, United Kingdom	Role of extracellular ATP in shaping group 3 innate lymphoid cell responses.
Marta <b>Jordão</b>	Portuguese	Universitätsklinik   Freiburg, Germany	Johanna Joyce	University   Lausanne, Switzerland	Investigating the CNS lymphatic system and immune cell trafficking in brain tumor progression
Madalena <b>Madeira Reimão Pinto</b>	Portuguese	IMBA   Vienna, Austria	Alexander F. Schier	Biozentrum   University of Basel, Switzerland	Translational regulation during zebrafish embryogenesis
Joao Miguel <b>Monteiro</b>	Portuguese	Universidade Nova de Lisboa   Lisbon, Portugal	Jordan Raff	University of Oxford, United Kingdom	Unravelling the molecular dynamics of centriole and centrosome assembly
Tomás <b>Pires De Carvalho Gomes</b>	Portuguese	Wellcome Genome Campus   Hinxton, United Kingdom	Barbara Treutlein	ETH Zürich   Basel, Switzerland	Cell type cross-talk driving axolotl limb regeneration

**EMBO Long-Term Fellowships awarded in 2019 | EMBC Member States' nationals**

Name	Nationality	Home institute	Group leader	Host institute	Project
Katarina <b>Psenakova</b>	Slovak	Charles University in Prague   Prague, Czech Republic	Danesh Moazed	Harvard Medical School   Boston, United States	Structural and functional analysis of a conformational switch in Clr4 (Suv39h) that regulates heterochromatin formation
Tea <b>Lenarcic</b>	Slovenian	National Institute of Chemistry   Ljubljana, Slovenia	Nenad Ban	ETH Zurich, Switzerland	Maturation of mitochondrial ribosomes
Julia <b>Aguade Gorgorio</b>	Spanish	University Hospital   Zurich, Switzerland	Hanna Mikkola	University of California   Los Angeles, United States	Defining the function of MYCT1 in governing human hematopoietic stem cell engraftment
Ángel <b>Álvarez-Prado</b>	Spanish	Centro de Investigaciones Biológicas (CIB / CSIC)   Madrid, Spain	Johanna Joyce	University   Lausanne, Switzerland	Inflaming the microenvironment of glioblastoma tumors by ADAR1 inhibition: a two-hit approach for the treatment of brain cancer.
Diego <b>Balboa</b>	Spanish	University of Helsinki, Finland	Jorge Ferrer	Centro de Regulación Genómica (CRG)   Barcelona, Spain	Mapping of pancreatic islet cell-type specific enhancer dynamics to reveal novel genetic mechanisms of human diabetes
Sergio <b>Córdoba Casado</b>	Spanish	Centre for Molecular Biology 'Severo Ochoa'   Madrid, Spain	Claude Desplan	New York University (NYU)   New York, United States	Molecular mechanisms of neural migration in the Drosophila optic lobe
Raquel <b>Cuella Martin</b>	Spanish	Wellcome Centre for Human Genetics   Oxford, United Kingdom	Alberto Ciccia	Columbia University   New York, United States	Modelling mutations in breast cancer-associated genes by large-scale precision genome editing
Raquel <b>Fueyo Arévalo</b>	Spanish	Instituto de Biología Molecular de Barcelona (IBMB)   Barcelona, Spain	Joanna Wysocka	Stanford University, United States	Ape-specific regulation of gene expression by transposable elements in development and cancer
Silvia <b>Galvan Pena</b>	Spanish	GlaxoSmithKline   Stevenage, United Kingdom	Christophe Benoist	Harvard Medical School   Boston, United States	Mechanisms of gut-distal organs immune communication
Ana Victoria <b>Lechuga-Vieco</b>	Spanish	Centro Nacional de Investigaciones Cardiovasculares (CNIC)   Madrid, Spain	Erika Pearce	MPI für Immunbiologie und Epigenetik   Freiburg, Germany	Supramolecular organization of respiratory complexes during immune cell metabolic reprogramming
Laura <b>Lorenzo Orts</b>	Spanish	University of Geneva, Switzerland	Andrea Pauli	IMP   Vienna, Austria	Functional analysis of ribosome heterogeneity during zebrafish embryo development
Rosa <b>Martínez Corral</b>	Spanish	Universitat Pompeu Fabra   Barcelona, Spain	Jeremy Gunawardena	Harvard Medical School   Boston, United States	Biophysical foundations of transcriptional synergy
María <b>Martínez López</b>	Spanish	Centro Nacional de Investigaciones Cardiovasculares (CNIC)   Madrid, Spain	Henrique Veiga-Fernandes	University of Lisbon, Portugal	Commensal microbiota regulation of neuro-immune networks

**EMBO Long-Term Fellowships awarded in 2019 | EMBC Member States' nationals**

Name	Nationality	Home institute	Group leader	Host institute	Project
Juan José <b>Montero Valderrama</b>	Spanish	Centro Nacional de Investigaciones Oncológicas (CNIO)   Madrid, Spain	Roland Rad	Technische Universität   München, Germany	Identification and in vivo characterization of molecular networks driving PDAC metastasis
Marta <b>Sanchez Delgado</b>	Spanish	PEBC   L'Hospitalet de Llobregat (Barcelona), Spain	Henrik Kaessmann	Zentrum für Molekulare Biologie (ZMBH)   Heidelberg, Germany	Cellular evolution of the mammalian placenta
Sandra <b>Segura Bayona</b>	Spanish	Institute for Research in Biomedicine   Barcelona, Spain	Simon Boulton	Francis Crick Institute   London, United Kingdom	Mechanisms underlying regulation and removal of G-quadruplex/R-loop transcription-replication conflicts
Iker <b>Valle Aramburu</b>	Spanish	EMBL   Heidelberg, Germany	Venizelos Papayannopoulos	Francis Crick Institute   London, United Kingdom	Identification and characterisation of factors regulating the architecture of neutrophil extracellular traps
Meret <b>Arter</b>	Swiss	ETH Zurich, Switzerland	Scott Keeney	Memorial Sloan-Kettering Cancer Center   New York, United States	Uncovering genetic conflict in mouse meiotic recombination
Nicolas <b>Huguenin-Dezot</b>	Swiss	MRC Laboratory of Molecular Biology   Cambridge, United Kingdom	Sven Panke	ETH Zurich, Switzerland	Bioengineering an orthogonal transcription system for the continuous directed evolution of proteins in <i>Escherichia coli</i>
Tina <b>Schreier</b>	Swiss	ETH Zurich, Switzerland	Julian M. Hibberd	University of Cambridge, United Kingdom	Optimising cell-to-cell connectivity between mesophyll and bundle sheath cells for improved C4 photosynthesis
Andrea <b>Vettiger</b>	Swiss	Biozentrum   University of Basel, Switzerland	Thomas Bernhardt	Harvard Medical School   Boston, United States	Elucidating spatiotemporal dynamics of peptidoglycan synthesis and remodeling
Deniz <b>Aydin</b>	Turkish	Swiss Federal Institute of Technology   Lausanne, Switzerland	Ron Dror	Stanford University School of Medicine, United States	Defining the structural mechanism of GPCR functional selectivity to enable effective drug therapies

**EMBO Long-Term Fellowships awarded in 2019 | EMBC Associate Member States' nationals/EMBC Co-operation Partner States' nationals**

Name	Nationality	Home institute	Group leader	Host institute	Project
Vivek <b>Bhardwaj</b>	Indian	MPI für Immunbiologie und Epigenetik   Freiburg, Germany	Alexander van Oudenaarden	Hubrecht Institute   Utrecht, Netherlands	Reconstructing the single-cell dynamics of chromatin topology and gene expression during development
Neha <b>Bhatia</b>	Indian	University   Sydney, Australia	Miltos Tsiantis	MPI für Züchtungsforschung   Köln, Germany	Understanding the genetic basis of leaf shape diversity in crucifers
Pratik <b>Dave</b>	Indian	Indian Institute of Science   Bangalore, India	Jeffrey Chao	Friedrich Miescher Institute   Basel, Switzerland	Investigating the dynamics of miRNA-mediated translational repression and decay via single mRNA fluorescence microscopy
Sharan <b>Janjuha</b>	Indian	Technische Universität   Dresden, Germany	Gerald Schwank	University of Zurich, Switzerland	Spatial transcriptomics and in vivo crispr mutagenesis to investigate tumour microenvironment heterogeneity
Vikram Babu <b>Kasragod</b>	Indian	University   Würzburg, Germany	Alexandru Radu Aricescu	MRC Laboratory of Molecular Biology   Cambridge, United Kingdom	Structure of a human GABA(A) receptor complex
Poonam <b>Mehra</b>	Indian	University of Delhi South Campus   New Delhi, India	Malcolm J. Bennett	University of Nottingham, United Kingdom	Xero-Branching: discovering how plant roots adapt to reduced water availability
Satya Brata <b>Routh</b>	Indian	Centre for Cellular and Molecular Biology (CCMB)   Hyderabad, India	Kiyoshi Nagai	MRC Laboratory of Molecular Biology   Cambridge, United Kingdom	Mechanism of mRNA release from the spliceosome by the DEAH-box helicase Prp22
Maria Jose <b>Perez Jimenez</b>	Chilean	Universidad de Chile   Santiago, Chile	Michela Deleidi	Deutsches Zentrum für Neurodegenerative Erkrankungen in der Helmholtz-Gemeinschaft (DZNE)   Tübingen, Germany	Intracellular and Intercellular signaling pathways of Mitochondrial Unfolding Protein Response (UPRmt) in Neurological Disease
Shun-Hsiao <b>Lee</b>	Taiwanese	MPI für Biochemie   Martinsried, Germany	Titia K. Sixma	Netherlands Cancer Institute   Amsterdam, Netherlands	Structural and biochemical analysis of regulation of transcription-coupled DNA repair
Hsiu-Chuan <b>Lin</b>	Taiwanese	Academia Sinica   Taipei, Taiwan	Gray Camp	Institute of Molecular and Clinical Ophthalmology   Basel, Switzerland	Recording and programming human retina cell fates

**EMBO Long-Term Fellowships awarded in 2019 | Non-EMBC Member States' nationals**

Name	Nationality	Home institute	Group leader	Host institute	Project
Iris <b>Odstrcil</b>	Argentinean	Harvard University   Cambridge, United States	Andreas Lüthi	Friedrich Miescher Institute   Basel, Switzerland	Neuronal circuit mechanisms mediating the interplay between action selection and internal states
Joyce <b>Meiring</b>	Australian	University of New South Wales   Sydney, Australia	Anna Akhmanova	Utrecht University, Netherlands	Testing a mechanical role for microtubules in 3D mesenchymal migration
Raul <b>Bressan</b>	Brazilian	MRC Centre for Regenerative Medicine   Edinburgh, United Kingdom	Kim B. Jensen	Biotech Research and Innovation Centre (BRIC)   Copenhagen, Denmark	Dissecting the mechanisms underlying YAP activation in intestinal tissue repair
Pedro <b>Papotto</b>	Brazilian	University of Lisbon, Portugal	Judith E. Allen	University of Manchester, United Kingdom	The role of dermal 17 T cells in the establishment of type-2 immunity in distal sites.
Brittany Bonfim <b>Campbell</b>	Canadian	University of Toronto, Canada	Charles Swanton	Francis Crick Institute   London, United Kingdom	Mapping the genomic and transcriptomic events required for lung tumour microenvironment modelling in favour of invasion and metastasis
Stanley <b>Ng</b>	Canadian	University Health Network (UHN)   Toronto, Canada	Peter J. Campbell	Wellcome Sanger Institute   Cambridge, United Kingdom	Development of a liver tissue disease state estimator using genetic and gene expression properties for estimating the likelihood of progression to hepatocellular carcinoma
Zhong <b>Han</b>	Chinese	Institut Jacques Monod   Paris, France	Jesper Q. Svejstrup	Francis Crick Institute   London, United Kingdom	In vitro study of eukaryotic transcription-replication collisions
Rongqin <b>Li</b>	Chinese	Peking University   Beijing, China	F. Ulrich Hartl	MPI für Biochemie   Martinsried, Germany	Molecular chaperone functions analyzed at single molecule level in vivo
Yalin <b>Liu</b>	Chinese	Institute of Genetics & Developmental Biology   Beijing, China	Xiaoqi Feng	John Innes Centre   Norwich, United Kingdom	Mechanism underlying thermosensitivity of male reproduction
Yuanqing <b>Ma</b>	Chinese	University of New South Wales   Sydney, Australia	Hai-Tao He	Centre d'Immunologie   Marseille, France	The steps required for Lck to phosphorylate the T cell receptor
Lukas <b>Tamayo Orrego</b>	Colombian	Institut de recherches cliniques de Montréal (IRCM)   Montreal, Canada	Andrew P. Jackson	MRC Human Genetics Unit   Edinburgh, United Kingdom	The DNA replication fork in development
Javad <b>Najafi</b>	Iranian	University   Luxembourg, Luxembourg	Nicolas Minc	Institut Jacques Monod   Paris, France	Mechanisms of microtubule force exertion in bulk cytoplasm
Suguru <b>Takagi</b>	Japanese	The University of Tokyo   Kashiwa, Japan	Richard Benton	University   Lausanne, Switzerland	Comparative functional and neuroanatomical analyses of olfactory circuits in drosophilids
Reiya <b>Taniguchi</b>	Japanese	University of Tokyo, Japan	Martin Beck	EMBL   Heidelberg, Germany	Cryo-electron tomographic analysis of protein complex assembly intermediates
Shohei <b>Yamamoto</b>	Japanese	Physiological Chemistry   Bunkyo, Japan	Manuel Théry	Hôpital St. Louis   Paris, France	The mechanism underlying symmetry breaking of cytoskeleton networks in cell polarization

**EMBO Long-Term Fellowships awarded in 2019 | Non-EMBC Member States' nationals**

Name	Nationality	Home institute	Group leader	Host institute	Project
Yilin <b>Kang</b>	Malaysian	University of Melbourne, Australia	Anu Suomalainen-Wartiovaara	University of Helsinki, Finland	Innate immunity and mitochondrial disease—pathogenesis, risk factors and population history
Diego <b>Rodriguez-Terrones</b>	Mexican	Ludwig-Maximilians-Universität   München, Germany	Elly M. Tanaka	IMP   Vienna, Austria	Unraveling the role of transposable elements in the evolution of the gene regulatory networks driving limb regeneration in axolotl
Rachel <b>North</b>	New Zealander	University of Canterbury   Christchurch, New Zealand	David Drew	Stockholm University, Sweden	De-orphanisation of brain 'sugar' transporters: Investigating substrate specificity and the molecular determinants of transport
Lucas <b>Tafur Petrozzi</b>	Peruvian	EMBL   Heidelberg, Germany	Robbie Loewith	University of Geneva, Switzerland	Structural and functional studies of <i>Saccharomyces cerevisiae</i> TORC2 inhibition by metabolic stress
Alexander <b>Belyy</b>	Russian	Institut Pasteur   Paris, France	Stefan Raunser	MPI für molekulare Physiologie   Dortmund, Germany	Comprehensive analysis of a new toxin complex from <i>Proteus mirabilis</i>
Yury <b>Bykov</b>	Russian	EMBL   Heidelberg, Germany	Maya Schuldiner	Weizmann Institute of Science   Rehovot, Israel	Defining the targeting pathways of mitochondrial ribosomal proteins
Sohyon <b>Lee</b>	South Korean	The Scripps Research Institute   San Diego, United States	Berend Snijder	ETH Zurich, Switzerland	Surveying the phenotypic landscape of pluripotent cells across individuals
Hugo <b>Bisio</b>	Uruguayan	University of Geneva, Switzerland	Chantal Abergel	Aix-Marseille Université   Marseille, France	Dissecting transient remote control of the host nucleus by Nucleomevirus
Colleen <b>Drapek</b>	US-American	Duke University   Durham, United States	Giles Oldroyd	The Sainsbury Laboratory   Cambridge, United Kingdom	Understanding the role of gibberellic acid accumulation in the nitrogen-fixing symbiosis of legumes
Ann <b>Gregory</b>	US-American	Ohio State University   Columbus, United States	Jeroen Raes	Katholieke Universiteit   Leuven, Belgium	Exploiting native aggregating protein regions to modulate the human gut microbiome
Elliott <b>Milner</b>	US-American	Children's Hospital Boston   Boston, United States	Tiago Branco	MRC Laboratory for Molecular Cell Biology   London, United Kingdom	The role of periaqueductal grey circuits in the sustained maintenance of innate escape behavior.
Anthony <b>Piro</b>	US-American	Duke University   Durham, United States	Jane E. Parker	MPI für Züchtungsforschung   Köln, Germany	Exploration of biotic and abiotic factors shaping accommodation during plant-fungal symbiosis
Hayden <b>Schmidt</b>	US-American	Harvard Medical School   Boston, United States	Richard Benton	University   Lausanne, Switzerland	Pharmacology and structure of the ionotropic receptor class of insect chemoreceptors
Han Ngoc <b>Ho</b>	Vietnamese	University   Wollongong, Australia	Stephen C. West	Francis Crick Institute   London, United Kingdom	Processing recombination intermediates within a chromatin context
Huong <b>Vu</b>	Vietnamese	University of Texas   Austin, United States	Robert A. Cross	University of Warwick   Coventry, United Kingdom	Ensemble mechanics of bidirectional kinesins



## EMBO Advanced Fellowships →→

EMBO Advanced Fellowships offer an additional two years of funding for EMBO Long-Term Fellows who demonstrate exceptional progress in their postdoctoral work. The fellowship allows scientists to complete their postdoctoral research in the host laboratory and to establish their own line of research.

### EMBO Advanced Fellowships awarded in 2019

Name	Nationality	Host laboratory	Group leader	Project
Madhanagopal Anandapadamanaban	Indian	MRC Laboratory of Molecular Biology   Cambridge   United Kingdom	Roger Williams	Structural mechanisms underpinning regulation of mTORC1 activity on lysosomal membranes
Frank Buermann	German	MRC Laboratory of Molecular Biology   Cambridge   United Kingdom	Jan Löwe	Direct imaging of SMC-kleisin ATPase cycle intermediates
Mario Iurlaro	Italian	Friedrich Miescher Institute for Biomedical Research   Basel   Switzerland	Dirk Schübeler	Dynamics of chromatin remodeler-mediated binding of transcription factors
Shuheng Lin	Chinese	Stem Cell and Cancer Laboratory ULB/ WELBIO   Brussels   Belgium	Cédric Blanpain	Deciphering the mechanisms of reactivation of multipotent cell fate of mammary gland stem cells in transplantation condition
Jongeun Park	South Korean	Cellular Genetics   Wellcome Trust Sanger Institute   Hinxton   United Kingdom	Sarah Teichmann	Deciphering mechanisms of human T-cell development using single-cell genomics and organoids

## EMBO Short-Term Fellowships →→

Short-Term Fellowships fund research exchanges of up to three months between laboratories in EMBC Member States, Associate Member States and countries and territories covered by a co-operation agreement. Their aim is to promote networking and collaboration and provide

### Applications and awards 2015 – 2019

Country from*	Applications	% of total	Awards	% of total	Success rate %
Austria	37	1	25	2	68
Belgium	44	2	30	2	68
Croatia	16	1	10	1	63
Czech Republic	50	2	29	2	58
Denmark	42	2	25	2	60
Estonia	2	<1	2	<1	100
Finland	25	1	11	1	44
France	82	3	51	3	62
Germany	131	5	78	5	60
Greece	49	2	26	2	53
Hungary	33	1	19	1	58
Iceland	0	0	0	0	0
India (A)	220	8	98	7	45
Ireland	30	1	14	1	47
Israel	55	2	39	3	71
Italy	271	10	156	11	58
Lithuania	1	<1	1	<1	100
Luxembourg	1	<1	0	0	0
Malta	2	<1	1	<1	50
Montenegro	1	<1	1	<1	<1
Netherlands	96	3	58	4	60
Norway	6	<1	3	<1	50
Poland	74	3	47	3	64
Portugal	72	3	37	2	51
Singapore (A)	3	<1	3	<1	100
Slovak Republic	6	<1	4	<1	67
Slovenia	18	1	9	1	50
Spain	781	28	412	28	53
Sweden	34	1	26	2	77
Switzerland	38	1	28	2	74
Turkey	56	2	29	2	52
United Kingdom	163	6	120	8	74
EMBL	6	<1	4	<1	67
Eastern Europe	35	1	11	1	31
United States / Canada	37	1	14	1	38
Others	242	9	62	4	26
<b>Total</b>	<b>2759</b>	<b>100</b>	<b>1483</b>	<b>100</b>	<b>54</b>

### EMBO Short-Term Fellowships: Statistics

#### Applications and awards 2015 – 2019

Year	Applications	Awards	Success rate %
2019	554	349	63
2018	598	337	56
2017	588	281	48
2016	618	350	57
2015	401	194	48

**EMBO Short-Term Fellowships awarded in 2019**

Name	Nationality	Home institute	Group leader	Host institute	Project
Maiara Aime <b>Iriarte Alonso</b>	Argentinean	CIC nanoGUNE   Donostia, Spain	Salvatore Chiantia	Universität   Potsdam, Germany	Building influenza virion models to establish physical properties of its external surface
Aida <b>Marcotti</b>	Argentinean	Instituto de Neurociencias   San Juan de Alicante, Spain	John N. Wood	University College London, United Kingdom	Study of cold responders in DRG neurons using GCaMP imaging system in live mice
Ingrid <b>Hartl</b>	Austrian	Johannes Kepler University   Linz, Austria	Pavel Krejci	Masaryk University   Brno, Czech Republic	Detection of phosphorylated FGFR3
Anna <b>Huber</b>	Austrian	Medical University   Innsbruck, Austria	Peter Crowley	National University of Ireland   Galway, Ireland	Protein/fatty acid co-crystallization: an approach to unravel the structure-function relation of the antimicrobial protein PAFB
Lukas <b>Kuderna</b>	Austrian	Institute of Evolutionary Biology (IEB)   Barcelona, Spain	Guojie Zhang	University   Copenhagen, Denmark	Conservation genomics and the evolution of diversity in primates
Gregor <b>Oemer</b>	Austrian	Medical University   Innsbruck, Austria	Riekelt Houtkooper	Academic Medical Centre   Amsterdam, Netherlands	Metabolic flux analysis of CRISPR/Cas9 mediated TAZ deficient HEK cells
Sonja <b>Rittchen</b>	Austrian	Medical University   Graz, Austria	Simon Phipps	The University of Queensland   Brisbane, Australia	The PGD2-DP1-DP2 axis in antiviral immunity and asthma pathogenesis
Sophie <b>Hendrix</b>	Belgian	University   Hasselt, Belgium	Andreas J. Meyer	Universität Bonn, Germany	Dissecting the role of glutathione in cadmium-mediated signalling processes originating in the endoplasmic reticulum
Damien <b>Hermant</b>	Belgian	University   Namur, Belgium	Florian Steiner	University of Geneva, Switzerland	Deciphering the role of the RNA polymerase II CTD S2 phosphorylation during the development of a metazoa
Kurt <b>Jacobs</b>	Belgian	University of Zurich, Switzerland	Christine Eischen	Thomas Jefferson University   Philadelphia, United States	DNA replication fork remodeling and stability in unperturbed and stress-induced hematopoiesis
Valerie <b>Uytterhoeven</b>	Belgian	Katholieke Universiteit   Leuven, Belgium	Birgitt Schüle	Stanford University, United States	Probing Parkinson's disease with induced human microcircuits on CMOS chips
Dorien <b>Wilmaerts</b>	Belgian	Katholieke Universiteit   Leuven, Belgium	Matthias Heinemann	University   Groningen, Netherlands	Influence of NAD(P)H concentrations on persister awakening
George <b>Pacheco</b>	Brazilian	University   Copenhagen, Denmark	Miguel Carneiro	University of Porto, Portugal	Following the trajectories of derived domestic alleles in worldwide populations of feral pigeons
Mark <b>Bailey</b>	British	University of Birmingham, United Kingdom	Paula Mulo	University   Turku, Finland	Collaboratively shedding light on NOT4 chloroplast function
Lauren <b>Boland</b>	British	Hammersmith Hospital   London, United Kingdom	Jeroen Bakkers	Hubrecht Institute   Utrecht, Netherlands	Popeye domain containing proteins and their effects on heart regeneration in Danio rerio

**EMBO Short-Term Fellowships awarded in 2019**

Name	Nationality	Home institute	Group leader	Host institute	Project
Alister <b>Burt</b>	British	Institut de Biologie Structurale   Grenoble, France	Peijun Zhang	University of Oxford, United Kingdom	Structure and rearrangements of chemoreceptor arrays in E. coli minicells by cryo-electron tomography
Jack <b>Collier</b>	British	University   Newcastle, United Kingdom	Thomas McWilliams	University of Helsinki, Finland	Investigating the molecular pathophysiology of ATG7 signalling in neuronal dysfunction
Samuel <b>Ellis</b>	British	University College London, United Kingdom	Sergio Filipe	Instituto de Tecnologia Química e Biologia   Oeiras, Portugal	Investigating whether RSV enhances Streptococcus pneumoniae virulence by inhibiting peptidoglycan branched stem peptides synthesis
Said <b>Hafidh</b>	British	Institute of Experimental Botany (IEB)   Prague, Czech Republic	Juan De Dios Alche	Estación Experimental del Zaidín   CSIC, Spain	Optimising an in vivo immunolocalization method for pollen tubes secreted exosomes in tobacco
Brennen <b>Heames</b>	British	University of Münster, Germany	Klara Hlouchova	Charles University in Prague   Prague, Czech Republic	Investigating the foldability of de novo-emerged proteins
Evie <b>Morris</b>	British	University   Southampton, United Kingdom	Tom Gilbert	University   Copenhagen, Denmark	Inferring adaptations to arid environments through studying the gut microbiota of desert bats using a novel combination of metabarcoding and metagenomics approaches
Emma <b>Robinson</b>	British	University   Maastricht, Netherlands	Anthony Davenport	University of Cambridge, United Kingdom	Using single nuclear sequencing to delineate novel molecular and cellular mechanisms in different aetiologies of human heart failure
Robert <b>Smith</b>	British	University   Sheffield, United Kingdom	Yann Guérardel	Université Lille 1 Sciences et Technologies   Villeneuve d'Ascq, France	Structural determination of polysaccharide decorations critical for the virulence of E. faecalis OG1RF
Amy <b>Vincent</b>	British	Newcastle University, United Kingdom	Anu Suomalainen-Wartiavaara	University of Helsinki, Finland	What is driving clonal expansion of mitochondrial DNA deletions?
James <b>Wagstaff</b>	British	MRC Laboratory of Molecular Biology   Cambridge, United Kingdom	John Irwin	University of California San Francisco, United States	Ultra-large library docking for early-stage antibiotic discovery
Rhys <b>Wardman</b>	British	University   Lincoln, United Kingdom	Matthias W. Hentze	EMBL   Heidelberg, Germany	Uncovering the role of 'secretory RNA-binding proteins' in pancreatic -cell function
Jack <b>Webster</b>	British	University of Strathclyde   Glasgow, United Kingdom	Peer Wulff	Universität   Kiel, Germany	Assessing the role of the prefrontal cortex-lateral habenula pathway in working memory processing
Liang <b>Wu</b>	British	University   York, United Kingdom	Israel Vlodavsky	Technion   Haifa, Israel	Molecular characterization of Heparanase-2 and its interacting partners



**EMBO Short-Term Fellowships awarded in 2019**

Name	Nationality	Home institute	Group leader	Host institute	Project
Francisca <b>Cornejo</b>	Chilean	Universidad Mayor   Santiago, Chile	Greg Findlay	University of Dundee, United Kingdom	Modelling autism spectrum disorders using human iPSCs
Oscar A. <b>Douglas-Gallardo</b>	Chilean	University   Concepcion, Chile	Adrian Mulholland	University of Bristol, United Kingdom	A QM/MM computational study of the carboxylase activity of the RuBisCO enzyme by means of multi-scale molecular dynamics simulations
Alejandro <b>Luarte</b>	Chilean	Universidad de Chile   Santiago de Chile, Chile	Rodrigo Herrera	Leibniz-Institut für Neurobiologie   Magdeburg, Germany	Unraveling the role of axonally synthesized Rtn-1C in the organization of growth cone's cytoskeleton on cortical neurons
Daniela <b>Soto</b>	Chilean	Universidad Austral de Chile   Valdivia, Chile	Andrea Franzetti	Università degli Studi   Milano, Italy	Molecular ecology and functional characterization of Microbial snow communities in maritime Antarctica: global warming and contamination markers
Yixin <b>Liu</b>	Chinese	University of Helsinki, Finland	Stephen Muench	University   Leeds, United Kingdom	The structure of GDF15/GFRAL/RET complex
Chao <b>Qi</b>	Chinese	ETH Zurich, Switzerland	Ana-Nicoleta Bondar	Freie Universität   Berlin, Germany	Molecular dynamics simulations of the key nucleotide-bound conformations of the membrane adenyllyl cyclase AC9
Lucía <b>Zhu</b>	Chinese	Centro Nacional de Investigaciones Oncológicas (CNIO)   Madrid, Spain	Michael D Taylor	Hospital for Sick Children   Toronto, Canada	Molecular characterization of local relapse using new models of brain metastasis
Tomislav <b>Jednacak</b>	Croatian	University   Zagreb, Croatia	Gang Chen	Nanyang Technological University Singapore, Singapore	Structural basis for RNA sequence recognition by peptide nucleic acids
Tatjana <b>Mijošek</b>	Croatian	Ruđer Bošković Institute   Zagreb, Croatia	Dirk Schaumlöffel	University   Pau, France	Intracellular metal mapping in bioindicator organisms by use of nanoscale secondary ion mass spectrometry (NanoSIMS)
Blanka <b>Roje</b>	Croatian	University   Split, Croatia	Vinko Toševski	Roche Glycart   Schlieren, Switzerland	Microbiome modulates immune response to bladder cancer
Juraj <b>Simunic</b>	Croatian	Ruđer Bošković Institute   Zagreb, Croatia	Marin Barisic	Danish Cancer Research Center   Copenhagen, Denmark	The role of kinesin-5 and PRC1 in generation and maintenance of spindle chirality
Jiří <b>Kyslík</b>	Czech	Biology Centre   Ceske Budejovice, Czech Republic	Tamar Lotan	University of Haifa   Haifa, Israel	Evolution of poly- $\gamma$ -glutamate biosynthetic pathway in Cnidaria
Kateřina <b>Máćová</b>	Czech	Masaryk University   Brno, Czech Republic	Andrea Ficke	Norwegian Institute of Bioeconomy Research   Ås, Norway	Abiotic-biotic stress crosstalk during seed development in Brassica napus: the influence of high temperatures on the progression of Sclerotinia sclerotiorum infection and seed quality

**EMBO Short-Term Fellowships awarded in 2019**

Name	Nationality	Home institute	Group leader	Host institute	Project
Daniela <b>Simcikova</b>	Czech	Charles University in Prague   Prague, Czech Republic	Orsolya Barabas	EMBL   Heidelberg, Germany	Effects of cancer-associated variations in hexokinase 2 on proliferation and metabolism of cancer cells
Eva <b>Svandova</b>	Czech	Academy of Sciences of the Czech Republic   Prague, Czech Republic	Reinhard Gruber	Medical University of Vienna, Austria	Specification of FasL functions in osteogenic differentiation
Roel <b>Hammink</b>	Dutch	Radboud University   Nijmegen, Netherlands	Susana Rocha	Katholieke Universiteit   Leuven, Belgium	Visualization and manipulation of the immunological synapse
Tom <b>Houben</b>	Dutch	University   Maastricht, Netherlands	Frank Pfrieger	CNRS   Strasbourg, France	Disease modifiers of Niemann-Pick type C1 disease
Esther <b>Keizer</b>	Dutch	Utrecht University, Netherlands	Falk Hillmann	Leibniz-Institute for Natural Product Research   Jena, Germany	Heterogeneity of Aspergillus fumigatus infections
Rezin <b>Majied</b>	Dutch	Erasmus University MC   Rotterdam, Netherlands	Jan Frayne	University of Bristol, United Kingdom	Human adult erythroid progenitor cell lines for molecular analysis of normal and pathological erythropoiesis
Mandy <b>Meijer</b>	Dutch	Radboud University   Nijmegen, Netherlands	Carmen Sandi	Swiss Federal Institute of Technology   Lausanne, Switzerland	Linking the genome and environment through DNA methylation in peripubertal stress-induced pathological aggressive rat models
Bonnie <b>Plug</b>	Dutch	University   Amsterdam, Netherlands	Anna Williams	University of Edinburgh, United Kingdom	Organotypic brain slice cultures: a valuable tool for studying central nervous system endogenous repair
Maarten <b>Sarink</b>	Dutch	Erasmus University MC   Rotterdam, Netherlands	Robert Sutak	Charles University in Prague   Prague, Czech Republic	Inhibition of fatty acid oxidation as a new target to treat primary amoebic meningoencephalitis by repurposing two well-known drugs
Anthal <b>Smits</b>	Dutch	University of Technology   Eindhoven, Netherlands	Katja Schenke-Layland	Universität   Tübingen, Germany	Biomolecular mapping of heart valve regeneration
Marijn <b>Stokman</b>	Dutch	University Medical Centre (UMC)   Utrecht, Netherlands	Alexandre Benmerah	Institut Imagine   Paris, France	Functional characterization of novel therapeutic targets in renal ciliopathies
Martijn <b>Van De Garde</b>	Dutch	National Institute for Public Health and the Environment (RIVM)   Bilthoven, Netherlands	David Price	Cardiff University, United Kingdom	T cell receptor clonotyping of single cell sorted CD4+ T cells recognizing a conserved epitope of bacterial cytolysins in the context of a common HLA-class II allele
Sjoerd <b>Van Deventer</b>	Dutch	Radboud University   Nijmegen, Netherlands	Thomas Günther-Pomorski	Ruhr-Universität   Bochum, Germany	Understanding tetraspanin membrane organization and dynamics by combining model membranes with advanced microscopy
Kasper <b>Van Gelderen</b>	Dutch	Utrecht University, Netherlands	Jan Petrasek	Institute of Experimental Botany (IEB)   Prague, Czech Republic	Live imaging of HY5 shoot-root transport and phloem unloading

**EMBO Short-Term Fellowships awarded in 2019**

Name	Nationality	Home institute	Group leader	Host institute	Project
Aleksi <b>Sutinen</b>	Finnish	University   Oulu, Finland	Roman Chrast	Karolinska Institutet   Stockholm, Sweden	GDAP1 – an enigmatic link to inherited peripheral neuropathy
Mari <b>Virtanen</b>	Finnish	University of Helsinki, Finland	Michael Kiebler	Ludwig-Maximilians-Universität   München, Germany	Posttranslational regulation of GABAergic transmission: a role for local translation of the chloride transporter KCC2
Pierre <b>Bohec</b>	French	University College London, United Kingdom	Jochen Guck	Max Planck Institute for the Science of Light   Erlangen, Germany	Investigating how signalling controls cell mechanics using optogenetics and real-time deformability cytometry
Marie-Astrid <b>Boutet</b>	French	Queen Mary   University of London, United Kingdom	Massimo Locati	Istituto Clinico Humanitas   Rozzano, Italy	Role of tetraspanin MS4A4A in a mouse model of Rheumatoid Arthritis
Julien <b>Delezie</b>	French	University of Basel, Switzerland	Nina Henriette Uhlenhaut	Helmholtz-Zentrum München   Garching, Germany	Involvement of the transcriptional co-regulator PERIOD2 in the regulation of skeletal muscle function
Maeva <b>Dufies</b>	French	Institute for Research on Cancer and Aging (IRCAN)   Nice, France	Yihai Cao	Karolinska Institutet   Stockholm, Sweden	Role of inflammasomes in clear cell renal cell carcinoma
Cécile <b>Exertier</b>	French	University of Rome 'Sapienza'   Rome, Italy	Daniela Rhodes	Nanyang Technological University Singapore, Singapore	Structural basis of a protection mechanism against hemolysis: cryoEM structure of the complex involving human hemoglobin, haptoglobin and the macrophage receptor CD163
Antoine <b>Hocher</b>	French	MRC London Institute of Medical Sciences   London, United Kingdom	Simonetta Gribaldo	Institut Pasteur   Paris, France	Life without histones – alternative solutions to DNA packaging in Diaforarchaea
Pauline <b>Jeannot</b>	French	Lund University, Sweden	Neil Carragher	Western General Hospital   Edinburgh, United Kingdom	Understand and target reactive astrocytes in brain tumor microenvironment
Romain <b>Laine</b>	French	University College London, United Kingdom	Bassam Hajj	Institut Curie   Paris, France	3D-LiveSRRF: open-source live-cell 3D super-resolution Microscopy
Romain <b>Le Bail</b>	French	University   Liège, Belgium	Silvia Cappello	Max Planck Institute of Psychiatry   München, Germany	Study of the interplay between migrating cortical interneurons and dorsal cortical populations using a model of human forebrain development
Rémi <b>Mathieu</b>	French	INSERM   Marseille, France	Ludovic Telley	University   Lausanne, Switzerland	Transcriptional controls over laminar allocation of interneuron subtypes during cerebral cortex development
Remy <b>Merret</b>	French	Université   Perpignan, France	Ho-Ming Chen	Agricultural Biotechnology Research Center (ABRC)   Taipei, Taiwan	Use of degradome data to reveal co-translational mRNA decay regulation across Arabidopsis development

**EMBO Short-Term Fellowships awarded in 2019**

Name	Nationality	Home institute	Group leader	Host institute	Project
Chloé <b>Oudinet</b>	French	Institut de Pharmacologie et de Biologie Structurale (IPBS), France	Frederick W. Alt	Harvard Medical School   Boston, United States	The role of switch repeats in chromosomal translocations associated with class switch recombination
Nicolas <b>Pionnier</b>	French	University of Liverpool, United Kingdom	Thierry Walzer	Centre International de Recherche en Infectiologie   Lyon, France	Does worms infection protect from developing liver disease?
Claire <b>Pujol</b>	French	Institut du Cerveau et de la Moelle Épineuse (ICM)   Paris, France	Sophie Steculorum	MPI für Stoffwechselforschung   Köln, Germany	Metabolism characterization of neurodegenerative process in Cyp2U1 deficient mice
Nicolas <b>Vita</b>	French	CNRS   Marseille, France	Patrick Viollier	University of Geneva, Switzerland	Deep-sequencing based genetic and genomic dissection of the anaerobic delignification process
Kim <b>Bartels</b>	German	EMBL   Hamburg, Germany	Hagen Hofmann	Weizmann Institute of Science   Rehovot, Israel	Structural dynamics of proton-dependent oligopeptide transporters
Benedikt <b>Goretzki</b>	German	Johannes-Gutenberg-Universität   Mainz, Germany	Dirk Jan Slotboom	University   Groningen, Netherlands	Functional and structural investigations of the eukaryotic ion channel TRPV4 and its interaction partner PACSIN3
Uta <b>Hardt</b>	German	Karolinska Institutet   Stockholm, Sweden	Sarah A. Teichmann	Wellcome Sanger Institute   Cambridge, United Kingdom	Studies in rheumatoid arthritis: B cell immunogenetics and transcriptomics
Andrea <b>Kliewer</b>	German	University Hospital   Jena, Germany	Zsolt Lenkei	Paris Tech ESPCI   Paris, France	Signatures of opioid tolerance and addiction in functional brain connectivity patterns
Nastassia <b>Knödlseeder</b>	German	Universitat Pompeu Fabra   Barcelona, Spain	Thomas F. Meyer	MPI für Infektionsbiologie   Berlin, Germany	Genetic engineering of Propionibacterium acnes by homologous recombination
Victor <b>Krajka</b>	German	University   Lübeck, Germany	Carsten Janke	Institut Curie   Orsay, France	When building blocks became obstacles: elucidating the functional mechanisms behind TUBB4A-associated tubulinopathies
Andreas <b>Lange</b>	German	University of Münster, Germany	Ylva Ivarsson	Uppsala University, Sweden	Using proteomic phage display to characterize the functionality of de novo genes from Drosophila melanogaster
Soulafa <b>Mamlouk</b>	German	Charité – Universitätsmedizin   Berlin, Germany	David Posada	University of Vigo   Vigo, Portugal	Tracking therapy resistance in colorectal cancer using evolutionary computational methods
Christin <b>Naumann</b>	German	Leibniz Institute of Plant Biochemistry   Halle, Germany	Yasin Dagdas	Gregor Mendel Institute of Molecular Plant Biology   Vienna, Austria	Identification of interaction partners of plant P5-type ATPase PDR2 in autophagy induced by phosphate limitation
Franziska <b>Paul-Shushan</b>	German	Institute of Medical Biology (IMB)   Singapore, Singapore	Takashi Hiiragi	EMBL   Heidelberg, Germany	Embryonic pluripotency: characterization of candidate gene ELABELA linked to monozygotic twinning

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Name	Nationality	Home institute	Group leader	Host institute	Project
Anika <b>Pupak</b>	German	Universitat de Barcelona   Barcelona, Spain	Ulf Andersson Vang Ørom	Aarhus University, Denmark	meRIP-seq: deciphering the epitranscriptome in Huntington's disease
Lea <b>Rapp</b>	German	Universität   Stuttgart, Germany	Jiri Damborsky	Masaryk University   Brno, Czech Republic	Molecular modeling of CYP153AM.aq for a deep understanding of its function and specificity
Nina <b>Schmolka</b>	German	University of Zurich, Switzerland	Christophe Lancrin	EMBL   Monterotondo, Italy	Dissecting epigenetic mechanisms during early haematopoiesis
Caroline Sophie <b>Simon</b>	German	Universität   Heidelberg, Germany	Mathieu Brochet	University of Geneva, Switzerland	Unconventional centrosome composition and organization in malaria-causing parasites
Christoph <b>Spahn</b>	German	Goethe University   Frankfurt, Germany	Ricardo Henriques	University College London, United Kingdom	Investigation of bacterial chromosome organization using deep learning assisted live-cell super-resolution microscopy
Anja <b>Worrich</b>	German	Hemholtz Centre for Environmental Research   Leipzig, Germany	Dani Or	ETH Zurich, Switzerland	Persistence of antibiotic resistance in multistress environments (ARISE)
Erithelgi <b>Bertsoulaki</b>	Greek	University of Liverpool, United Kingdom	Helder Maiato	University of Porto, Portugal	Investigating the role of USP31 in the regulation of mitotic spindle dynamics
Constantine <b>Garagounis</b>	Greek	University of Thessaly   Larissa, Greece	Asaph Aharoni	Weizmann Institute of Science   Rehovot, Israel	Analysis of the triterpene and steroidal saponin content in tissues of Lotus japonicus and Trigonella foenum-graecum
Dimitris <b>Konstantopoulos</b>	Greek	Biomedical Sciences Research Center 'Alexander Fleming'   Athens, Greece	Stein Aerts	Katholieke Universiteit   Leuven, Belgium	Single-cell transcriptomic and epigenomic dissection of genome regulatory mechanisms driving from oncogene-induced-senescence to malignancy
Konstantinos <b>Kotsaridis</b>	Greek	University of Crete   Heraklion, Greece	Patrick Celie	Netherlands Cancer Institute   Amsterdam, Netherlands	Structure determination of the Exo70B1 plant protein of the exocyst in complex with its novel putative ligand effector XopP of Xanthomonas campestris pv. campestris
Katerina <b>Nastou</b>	Greek	National and Kapodistrian University   Athens, Greece	Lars Juhl Jensen	University   Copenhagen, Denmark	Exploring novel mechanistic insights in amyloidoses: a text mining and molecular interaction network approach
Petros <b>Papadopoulos</b>	Greek	Complutense University of Madrid (UCM)   Madrid, Spain	Kim De Keersmaecker	Katholieke Universiteit   Leuven, Belgium	Defining the metabolic and transcriptional cues of megakaryocytic differentiation that promote transition to AML in myeloproliferative neoplasm patients
Barbara Nikolett <b>Borsos</b>	Hungarian	University   Szeged, Hungary	Lea Sistonen	Abo Akademi University   Turku, Finland	Role of P53 in the degradation of RNAPII upon DNA double strand breaks
Dániel <b>Gerber</b>	Hungarian	Hungarian Academy of Sciences   Budapest, Hungary	Ludovic Orlando	Université Paul Sabatier   Toulouse, France	The makeup of the modern horse: a history of the biological changes introduced by human management

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Vivien <b>Horvath</b>	Hungarian	Institute of Evolutionary Biology (IEB)   Barcelona, Spain	Gianfranco Anfora	Fondazione Edmund Mach   San Michele all'Adige, Italy	Characterizing the molecular basis of desiccation resistance in Drosophila melanogaster European populations
Gábor <b>Murányi</b>	Hungarian	Agricultural Biotechnology Centre   Gödöllő, Hungary	Wolf-Dietrich Hardt	ETH Zurich, Switzerland	Studies on Salmonella genomic island 1 in mouse gut: virulence, conjugative transfer and dissemination
Andrea <b>Princz</b>	Hungarian	IMBB – FORTH   Heraklion, Greece	Federico Pelisch	University of Dundee, United Kingdom	The role of SUMOylation in the regulation of stress responsive transcription factors in Caenorhabditis elegans
Vanndita <b>Bahl</b>	Indian	Jawaharlal Nehru University   New Delhi, India	Anthony Holder	Francis Crick Institute   London, United Kingdom	Functional characterization of two schizont stage expressed Plasmodium falciparum proteins by generating conditional knockouts using CRISPR Cas9 methodology
Amrita <b>Bhattacharya</b>	Indian	Indian Institute of Technology   Mumbai, India	Christian Griesinger	MPI für biophysikalische Chemie   Göttingen, Germany	Dynamics of Skp1elucidates unique mechanism of recognition of F-box proteins in SCF complex
Swarnabh <b>Bhattacharya</b>	Indian	Technion   Haifa, Israel	Huiqing Zhou	Centre for Molecular Life Sciences   Nijmegen, Netherlands	Integrative epigenomic approaches for unraveling chromatin remodeling and gene regulation by P63 and SOX2 in corneal stem cells
Arindam <b>Bhattacharyya</b>	Indian	University of Calcutta   Kolkata, India	Enni Marakkanen	University of Zurich, Switzerland	Regulation of TGF- signaling in canine model of breast cancer progression: an insight into the effect of cancer-associated fibroblasts
Moushumi <b>Bhattacharyya</b>	Indian	Rajiv Gandhi University of Health Sciences   Bengaluru, India	Michael Jeltsch	University of Helsinki, Finland	VEGF receptor-3 binding and activation by Green Fluorescent Protein-tagged mature VEGF-C in living cells
Neloy <b>Chakroborty</b>	Indian	Adamas University   Kolkata, India	Albrecht Haase	University   Trento, Italy	Deciphering the neuronal population code in a higher-order brain centre: a high-resolution imaging study in the honeybee olfactory system
Shivam <b>Chandel</b>	Indian	Indian Institute of Technology   Chennai, India	Lydia M. Sorokin	University of Münster, Germany	Role of protein tyrosine phosphatase PEST in hypoxia induced angiogenesis
Mukeshkumar <b>Chaubey</b>	Indian	Shri A. N. Patel PG Institute   Anand, India	Robert Bruno	Institut de Biologie Intégrative de la Cellule   Gif-sur-Yvette, France	Targeting co-crystal growth and structural insight of Beta-Amyloid Cleaving Enzyme 1 (BACE1)- Phycobiliproteins (PBPs): special emphasis on structural dynamics and stability of the complex
Supriyo <b>Choudhury</b>	Indian	Institute of Neurosciences   Kolkata, India	Thomas Brochier	Aix-Marseille Université   Marseille, France	Exploring the source of beta and gamma band oscillations in muscle during power grip in healthy adults

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Name	Nationality	Home institute	Group leader	Host institute	Project
Nakshi <b>Desai</b>	Indian	Indian Institute of Technology   Gandhinagar, India	Chandrasekhar Kanduri	University   Gothenburg, Sweden	Investigation of G-quadruplex formation in lncRNA MEG3 and its impact on tumor suppressor function
Uthra <b>Gowthaman</b>	Indian	University of Copenhagen   Frederiksberg, Denmark	Tineke Lenstra	Netherlands Cancer Institute   Amsterdam, Netherlands	Spatio-temporal resolution of DNC transcription by single molecule RNA live-cell imaging
Latika <b>Gupta</b>	Indian	Sanjay Gandhi Postgraduate Institute of Medical Sciences   Lucknow, India	Neil McHugh	University   Bath, United Kingdom	Comparison of myositis specific and associated autoantibodies prevalence and clinical associations between British and North Indian patients with inflammatory myositis
Gopichand <b>Gutti</b>	Indian	Banaras Hindu University   Varanasi, India	Michael Hollmann	Ruhr-Universität   Bochum, Germany	Development of novel GluN2B-selective NMDA receptor modulators for treatment of Alzheimer's disease
Jaya <b>Jacob</b>	Indian	Sree Buddha College of Engineering   Pattoor, India	Piet Lens	National University of Ireland   Galway, Ireland	Analysis of microbial heavy metal stress factors and metal detoxification profile that aids biosynthesis of quantum dots
Bhavana <b>Kayyar</b>	Indian	Jawaharalal Nehru Centre for Advanced Scientific Research   Bengaluru, India	Nicolae Radu Zabet	Essex University   Colchester, United Kingdom	Investigating the role of mhl lncRNA in mediating 3D genomic organisation
Sowri Babu <b>Kotikala</b>	Indian	Vignan's Foundation for Science   Technology & Research, India	Marta Alves	University of Lisbon, Portugal	Development of photoluminescence biosensors for fast and multiplexed detection and quantification of biomolecules
Pavan <b>Kumar</b>	Indian	National Institute for Research in Reproductive Health   Mumbai, India	Ario De Marco	University of Nova Gorica   Vipava, Slovenia	Development of nanobody (bi-specific) to enhance killing efficacy of cytokine induced killer cells
Preeti <b>Kute</b>	Indian	Institute for Stem Cell Biology and Regenerative Medicine   Bangalore, India	Arne Klungland	University   Oslo, Norway	Deciphering the role and mechanism of m6A mediated synaptic translation
Ichcha <b>Manipur</b>	Indian	CNR   Napoli, Italy	Francesco Iorio	Wellcome Sanger Institute   Cambridge, United Kingdom	Network-based characterization of the metabolic landscape of cancer cell lines
Sankaranarayanan <b>Meenakshi Sundaram</b>	Indian	University of Cambridge, United Kingdom	Simon Alberti	MPI für molekulare Zellbiologie und Genetik   Dresden, Germany	In vitro reconstitution and characterization of the Drosophila DEAD-box protein Me31B
Brijesh <b>Modi</b>	Indian	European Brain Research Institute (EBRI)   Rome, Italy	Francesco Battaglia	Radboud University   Nijmegen, Netherlands	In-vivo electrophysiological and optogenetic techniques to study social memory encoding in an animal model of Autism

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Debanjan <b>Mukherjee</b>	Indian	Instituto de Medicina Molecular João Lobo Antunes   Lisbon, Portugal	Laurence Zitvogel	Institut Gustave Roussy   Villejuif, France	Plasmodium and host microbiota: friend or foe?
Joydeep <b>Nag</b>	Indian	Rajiv Gandhi Centre for Biotechnology   Thiruvananthapuram, India	Dorothee Von Laer	University   Innsbruck, Austria	Elucidation of the mechanism of interaction of CHIKV envelope glycoproteins using VSV-based pseudovirus
Sanjeev <b>Nara</b>	Indian	Basque Center on Cognition   Brain and Language, Spain	Radoslaw Martin Cichy	Freie Universität   Berlin, Germany	Decoding the pre-stimulus predictions in visual perception
Suranjana <b>Pal</b>	Indian	Tata Institute of Fundamental Research   Mumbai, India	Guillermina López-Bendito	Instituto de Neurociencias   San Juan de Alicante, Spain	Exploring thalamic-subplate interactions in the cortex-specific Lhx2 mutant mouse
Abhijeet <b>Pandey</b>	Indian	College of Pharmaceutical Sciences   Manipal, India	Ruth Prassl	University   Graz, Austria	Surface architected metal organic framework based liposomes (Lipo-MOF) for mitochondria targeted therapy (MTT) of multiple myeloma: a multimodal therapeutic approach
Amey <b>Redkar</b>	Indian	National University of Córdoba   Córdoba, Spain	Renier A. L. Van Der Hoorn	University of Oxford, United Kingdom	Mining the active intercellular tomato root proteome by activity based protein profiling during vascular wilt infection by Fusarium oxysporum
Sarmistha <b>Saha</b>	Indian	Indian Institute of Technology   Gandhinagar, India	Brigitta Buttari	Istituto Superiore di Sanita   Roma, Italy	Anti-inflammatory activity of Lupeol against atherosclerosis induced inflammation by switching M1/M2-macrophage polarization
Jayanti <b>Singh</b>	Indian	Indian Institute of Technology   Mumbai, India	Amnon Horovitz	Weizmann Institute of Science   Rehovot, Israel	Allosteric mechanism of signal transduction in AAA+ motor machine, MopR
Arun <b>Sridhar</b>	Indian	Bharathidasan University   Tiruchirapalli, India	Francisco Guardiola	Universidad   Murcia, Spain	Isolation and identification of novel bioactive peptides from the epidermal mucus of fish
Vikas Kumar -	Indian	Birla Institute of Technology and Science   Pilani, India	Julien Pompon	Université II   Montpellier, France	RNAi mediated characterisation of Aedes aegypti ABC transporter(s) in immunity upon dengue virus infection
Omkar <b>Vinchure</b>	Indian	Indian Institute of Technology   Delhi, India	María A. Blasco	Centro Nacional de Investigaciones Oncológicas (CNIO)   Madrid, Spain	Elucidating the biological significance of miRNA in regulation of telomere dynamics in glioblastoma
Rajesh <b>Vinnakota</b>	Indian	National Center for Cell Science (NCCS)   Pune, India	Peter Peters	University   Maastricht, Netherlands	Synchronization of stimulus application with vitrification: a novel cryo-electron microscope grid preparation method for the study of ion channels

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Name	Nationality	Home institute	Group leader	Host institute	Project
Leila <b>Fotoohabadi</b>	Iranian	National AIDS Research Institute   Pune, India	Nancy Dumais	Université de Sherbrooke, Canada	Assessment of transmigration of ART-conjugated nanoparticles across human blood–brain barrier model
Sabra <b>Rostami</b>	Iranian	Bogazici University   Istanbul, Turkey	Klaus D. Jandt	Friedrich-Schiller-Universität   Jena, Germany	Evaluation of antibacterial activities of shark skin topography on biomimicked Polymeric Substrates
Mohammad <b>Yaghoubi Khanghahi</b>	Iranian	Universita   Bari, Italy	Erik Verbruggen	University   Antwerp, Belgium	Responses of durum wheat (Triticum durum Desf.) root endophytic bacterial communities to chemical/microbiological fertilization managements under drought and salinity stresses
Idan <b>Adir</b>	Israeli	Weizmann Institute of Science   Rehovot, Israel	Ulrich auf dem Keller	Technical University of Denmark   Lyngby, Denmark	Creating an ECM-cell microenvironment atlas for the research of regeneration and fibrosis
Rona <b>Aviram</b>	Israeli	Weizmann Institute of Science   Rehovot, Israel	Michael N. Hall	Biozentrum   University of Basel, Switzerland	Cell autonomous circadian oscillations in the phosphorylation state of the PI3K-AKT-mTOR pathway
Mark <b>Berliner</b>	Israeli	Tel Aviv University, Israel	Tamara Gigolashvili	University of Cologne, Germany	The regulatory network connecting the COP9 Signalosome and glucosinolates biosynthesis and turnover
Ronni <b>Cohen</b>	Israeli	Tel Aviv University, Israel	Ira Milosevic	European Neuroscience Institute   Göttingen, Germany	Elucidating the involvement of Amisyn in synaptic plasticity and behavior
Tal <b>Dahan-Meir</b>	Israeli	Weizmann Institute of Science   Rehovot, Israel	Magnus Nordborg	Gregor Mendel Institute of Molecular Plant Biology   Vienna, Austria	Temporal and spatial adaptation of a wild wheat population under climate change
Arie <b>Fridrich</b>	Israeli	The Hebrew University   Jerusalem, Israel	Uri Frank	National University of Ireland   Galway, Ireland	Functional characterization of a 600 million years-old cnidarian microRNA: miR-2022
Lirin <b>Michaeli</b>	Israeli	Tel Aviv University, Israel	Barbara Conradt	Ludwig-Maximilians-Universität   München, Germany	"Regulation of mitochondrial dynamics and cell fate by the SUMO system during mitochondrial stress and aging"
Yaakov <b>Socol</b>	Israeli	Hebrew University   Jerusalem, Israel	Matthew Waldor	Harvard Medical School   Boston, United States	Novel factors involved in pro- and anti-death processes induced by enteropathogenic E. coli (EPEC)
Josephine <b>Alba</b>	Italian	University of Rome 'Sapienza'   Rome, Italy	Miquel Pons	Universitat de Barcelona   Barcelona, Spain	Structural and dynamical characterization of c-Src kinase binding to lipid membranes
Fabrizio <b>Angius</b>	Italian	University of Cagliari   Cagliari, Italy	Pedro Simas	Instituto de Medicina Molecular João Lobo Antunes   Lisbon, Portugal	An innovative chimera-virus animal model of infection to investigate curative effect of sulfonamide derivatives against gamma-Herpesvirus induced malignancies

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Serenella <b>Anzilotti</b>	Italian	IRCCS Istituto Nazionale Tumori Fondazione 'Senatore G. Pascale'   Naples, Italy	Salvatore Piscuoglio	University of Basel, Switzerland	Identification of genetic somatic alterations and transcriptomic perturbation in hereditary and sporadic Amyotrophic Lateral Sclerosis patients
Veronica <b>Begni</b>	Italian	Università degli Studi   Milano, Italy	Aniko Korosi	University   Amsterdam, Netherlands	Modulation of the hypothalamic–pituitary-adrenal axis via supplementation with essential micronutrients
Michele <b>Bertacchi</b>	Italian	Institut de Biologie Valrose   Nice, France	Silvia Cappello	Max Planck Institute of Psychiatry   München, Germany	COUP-TFI/NR2F1 in neurodevelopmental cortical disorders: a human organoid model of BBSOA syndrome
Martina <b>Biagioni</b>	Italian	Institute of Neuroscience   Pisa, Italy	Sandra Siegert	Institute of Science and Technology Austria (IST)   Klosterneuburg, Austria	Mitochondrial dynamics and retinal microglia activation
Elisabetta <b>Bianchi</b>	Italian	Università degli Studi   Firenze, Italy	Silvana Munzi	CE3C – Centre for Ecology   Evolution and Environmental Changes, Portugal	Excess nitrogen and lichens: ecophysiological responses and lichen-associated microbial communities
Valeria <b>Calabrese</b>	Italian	Università degli Studi   Perugia, Italy	Massimiliano Caiazzo	Utrecht University, Netherlands	Alpha-synuclein effects on neurons transdifferentiated from fibroblasts extracted from patients with Parkinson's disease: voltammetric, electrophysiological and morphologic analyses
Federica <b>Campanelli</b>	Italian	Università degli Studi   Perugia, Italy	Camilla Bellone	University of Geneva, Switzerland	Analysis of social-evoked striatal synaptic plasticity in laboratory animals
Sara <b>Cimini</b>	Italian	University of Rome 'Sapienza'   Rome, Italy	Blanca San Segundo	Centre for Research in Agricultural Genomics   Barcelona, Spain	Identification and functional validation of novel miRNAs involved in rice innate immunity
Paolo <b>Cocomazzi</b>	Italian	Università degli Studi   Milano, Italy	Dmitri Svergun	EMBL   Hamburg, Germany	Interaction between the Apoptosis Inducing Factor (AIF) and CHCHD4: a possible connection to mitochondriopathies onset
Ilaria <b>Colzi</b>	Italian	Università degli Studi   Firenze, Italy	Nathalie Verbruggen	Université Libre de Bruxelles   Brussels, Belgium	The role of the cell walls in intraspecific cadmium accumulation in Arabidopsis species
Marialessandra <b>Contino</b>	Italian	Universita   Bari, Italy	Maria Isabel Loza García	Universidade   Santiago de Compostela, Spain	Biological evaluation of new ligands as diagnostic tools and therapeutic agents useful in neurodegenerative and cancer diseases
Sara <b>Costantini</b>	Italian	Università 'La Sapienza'   Roma, Italy	Charles Melnyk	Swedish University of Agricultural Sciences   Uppsala, Sweden	Investigating the role of damage associated molecular patterns during plant graft formation

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Omar <b>De Bei</b>	Italian	Università degli Studi di Parma, Italy	Ben Luisi	University of Cambridge, United Kingdom	Cryo-EM structure of the complex between bacterial hemophore IsdB and human hemoglobin
Marta <b>De Ruijter-Villani</b>	Italian	Utrecht University, Netherlands	Jan Ellenberg	EMBL   Heidelberg, Germany	Understanding the mechanisms of spindle formation and chromosome mis-segregation in IVF embryos
Anna Maria <b>Floriano</b>	Italian	Università   Pavia, Italy	Lionel Guy	Uppsala University, Sweden	Advanced evolutionary genomics analyses towards the understanding of the evolution of the intramitochondrial tropism of <i>Midichloria</i> symbionts of ticks
Antonio <b>Francioso</b>	Italian	University of Rome 'Sapienza'   Rome, Italy	Isabel López Bazzocchi	University of La Laguna   San Cristóbal de La Laguna, Spain	"Searching for bioactive and neuroprotective compounds from the European tropical flora: from Cuba to Canary Islands crossing the Mediterranean Sea"
Adele <b>Gabba</b>	Italian	National University of Ireland   Galway, Ireland	Jesus Jimenez-Barbero	CIC bioGUNE   Derio, Spain	Characterisation of 15N and 13C labelled human macrophage galactose c-type lectin (CLEC10A) via nuclear magnetic resonance and investigation of multivalent ligand binding mode
Nicola Gaetano <b>Gatta</b>	Italian	University of Campania 'Luigi Vanvitelli'   Caserta, Italy	Philippe Djian	Université Paris Descartes   Paris, France	Analysis of Transglutaminase 2 (TG 2) expression in human pluripotent stem cells (h-iPSC)-derived neural and glial cells, and in cerebral organoids derived from IPS cells
Francesco <b>Giardini</b>	Italian	University of Florence   Sesto Fiorentino, Italy	Martin Bishop	King's College   London, United Kingdom	Whole heart computational model of action potential propagation based on high-resolution cytoarchitectonic reconstruction
Lucia <b>Gigli</b>	Italian	University of Florence   Sesto Fiorentino, Italy	Elizaveta A Suturina	University   Bath, United Kingdom	Magneto-structural relations in metalloproteins
Francesca <b>Lopez</b>	Italian	National University of Ireland   Galway, Ireland	Frederic Pontvianne	Université   Perpignan, France	De-novo genome assembly of <i>Arabidopsis thaliana</i> with reduced 45S rDNA copy number generated by CRISPR-Cas9 mutagenesis
Elisa <b>Magistrati</b>	Italian	Istituto Firc di Oncologia Molecolare   Milano, Italy	Monica Bettencourt-Dias	Instituto Gulbenkian de Ciência   Oeiras, Portugal	Deciphering the role of myosin VI in centrosome biology
Paolo <b>Martini</b>	Italian	Università di Padova, Italy	Zlatko Trajanoski	Medical University   Innsbruck, Austria	A computational framework to build the network of cell-to-cell communication from spatial and single cell RNA-seq data
Alice <b>Migazzi</b>	Italian	University   Trento, Italy	Frédéric Saudou	Institute of Neuroscience   Grenoble, France	Role of arginine methylation in huntingtin-mediated axonal trafficking: implications for Huntington's Disease

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Jessica <b>Mingardi</b>	Italian	University   Brescia, Italy	Iiris Hovatta	University of Helsinki, Finland	miR-9-5p in behavioural stress vulnerability: a focus on morphological and functional changes in neurons and oligodendrocytes
Monica <b>Nanni</b>	Italian	University of Rome 'Sapienza'   Rome, Italy	Francesco Cecconi	Danish Cancer Research Center   Copenhagen, Denmark	Analysis of the involvement of FGFR altered splicing and aberrant FGF signaling on the interplay between autophagy and epithelial-mesenchymal transition during carcinogenesis
Veronica <b>Nasta</b>	Italian	University of Florence   Sesto Fiorentino, Italy	David I. Stuart	Wellcome Centre for Human Genetics   Oxford, United Kingdom	Structural elucidation of the cytosolic [4Fe-4S] cluster assembly: a Cryo-EM approach
Laura <b>Pagliari</b>	Italian	Università degli Studi   Udine, Italy	Axel Mithöfer	MPI für Chemische Ökologie   Jena, Germany	Be local: site-specific hormone responses for new hints in phytoplasma-plant interaction study
Francesco <b>Pampaloni</b>	Italian	Goethe University   Frankfurt, Germany	Jim Swoger	EMBL   Barcelona, Spain	High-content and high-throughput analysis of live three-dimensional gastruloids with light sheet fluorescence microscopy
Alessandro <b>Poli</b>	Italian	Istituto Firc di Oncologia Molecolare   Milano, Italy	Aldo Ferrari	ETH Zurich, Switzerland	Real-time cell-nucleus volume ratio measurement
Giulia <b>Regazzo</b>	Italian	Regina Elena National Cancer Institute   Roma, Italy	Francesco Bertoni	Oncology Institute of Southern Switzerland (IOSI)   Bellinzona, Switzerland	High-throughput miRNA functional screening to identify sensitizers to standard therapy in diffuse large B-cell lymphoma
Veronica <b>Ruta</b>	Italian	University of Rome 'Sapienza'   Rome, Italy	Julio Salinas	Centro de Investigaciones Biológicas (CIB / CSIC)   Madrid, Spain	Living in adverse environmental conditions: uncovering the role of the DAG1 and WRKY proteins in the response to abiotic stress during plant development
Valeria <b>Scalcon</b>	Italian	Università di Padova, Italy	Marcus Conrad	Helmholtz Zentrum München   Neuherberg, Germany	Unravelling the potential role of glutaredoxin 2 in ferroptosis
Mariangela <b>Tabone</b>	Italian	Universidad Europea   Madrid, Spain	François Fenaille	CEA / Saclay   Gif-sur-Yvette, France	Effect of cocoa rich in procyanidins chronic consumption in plasma and fecal metabolome after a session of acute exercise
Giulia <b>Tarquini</b>	Italian	Università degli Studi   Udine, Italy	Nicolás Bologna	Centre for Research in Agricultural Genomics (CRAG)   Cerdanyola del Vallès, Spain	"Subcellular characterization of virus-induced RNA silencing pathway in <i>Vitis vinifera</i> and <i>Arabidopsis thaliana</i> "
Giuseppe <b>Taurino</b>	Italian	Università degli Studi di Parma, Italy	Saverio Tardito	Beatson Institute for Cancer Research   Glasgow, United Kingdom	The metabolic role of mesenchymal stromal vells in acute lymphoblastic leukemia

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Debora <b>Traversa</b>	Italian	Universita   Bari, Italy	Lasse Sommer Kristensen	Aarhus University, Denmark	Unraveling the molecular function of circular PVT1 transcript in human cancer
Ottavia <b>Vitaloni</b>	Italian	Scuola Normale Superiore   Pisa, Italy	Jason W. Chin	MRC Laboratory of Molecular Biology   Cambridge, United Kingdom	"PISA 2.0 project: a platform to select intrabodies against a single post-translational modification of proteins in vivo"
Giovanni <b>Zifarelli</b>	Italian	University of Oxford   MRC, United Kingdom	Christian Michael Grimm	Ludwig-Maximilians-Universität   München, Germany	Direct patch-clamp measurements on lysosomes to investigate the physiological role of the lysosomal chloride/proton antiporter CIC-7 mutated in osteopetrosis and lysosomal storage disease
Reuben <b>Yaa</b>	Kenyan	King's College   London, United Kingdom	José Luis Gómez-Skarmeta	Universidad Pablo de Olavide   Sevilla, Spain	Regulation of Brachyury in cancer
Ruta <b>Lasauskaite</b>	Lithuanian	University of Basel, Switzerland	Michael Richter	University of Liverpool, United Kingdom	Neurovascular and cardiovascular responses to a cognitive challenge under different ambient lighting conditions
Rebecca <b>Borg</b>	Maltese	University of Malta   Msida, Malta	Jan Herman Veldink	University Medical Centre (UMC)   Utrecht, Netherlands	Identification of novel genetic factors associated with amyotrophic lateral sclerosis in an isolated island population
Abril <b>Escamilla Ayala</b>	Mexican	Katholieke Universiteit   Leuven, Belgium	Magali Mondin	University of Bordeaux   Bordeaux, France	Analysis of -secretase complexes by dual color high-density single particle tracking
Christian <b>Feregrino</b>	Mexican	University of Basel, Switzerland	Henrik Kaessmann	Zentrum für Molekulare Biologie (ZMBH)   Heidelberg, Germany	A computational pipeline for gene co-expression network comparisons across species
Marcela <b>Sandoval Velasco</b>	Mexican	University   Copenhagen, Denmark	Marc A. Marti-Renom	Centro Nacional Análisis Genómico (CNAG)   Barcelona, Spain	Application of Hi-C methods for the generation of long read fragments and genome assemblies from degraded samples
Jorge <b>Zamora Zaragoza</b>	Mexican	Wageningen University, Netherlands	Alexandra Jones	University of Warwick   Coventry, United Kingdom	Deciphering the master code: phosphorylation-dependent regulation of retinoblastoma-related protein activity
Jelena <b>Zindovic</b>		University of Montenegro   Podgorica, Montenegro	Christina Varveri	Benaki Phytopathological Institute   Athens, Greece	"Next generation diagnostics and characterization for emerging viruses and virus-like agents of economically significant agricultural crops in Montenegro"
Gabriela Nerida <b>Condezo Castro</b>	Peruvian	Centro Nacional de Biotecnología (CNB)   Madrid, Spain	Gunnar Bratbak	University   Bergen, Norway	Production of polinton-like viruses for high resolution structural studies
Andrzej <b>Cwetsch</b>	Polish	Imagine Institute   Paris, France	Marcos Malumbres	Centro Nacional de Investigaciones Oncológicas (CNIO)   Madrid, Spain	Role of transcription factor Dbx1 in regulation of the cell cycle machinery

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Name	Nationality	Home institute	Group leader	Host institute	Project
Monika <b>Fajfer</b>	Polish	Cardinal Stefan Wyszyński University   Warsaw, Poland	Kota Praveen Karanth	Indian Institute of Science   Bangalore, India	Understanding the ecology and evolution of host-parasite interactions with the example of Geckobia mites (Acariformes: Pterygosomatidae) and Hemidactylus geckos (Sauria: Gekkonidae) from the Indian subcontinent
Malgorzata <b>Gazda</b>	Polish	University of Porto, Portugal	Tom Gilbert	University   Copenhagen, Denmark	The genetic basis of pigeon's eye pigmentation
Adrian <b>Górecki</b>	Polish	University   Warsaw, Poland	Celia Manaia	University of Porto, Portugal	Integrating quantitative and qualitative molecular approaches for a better surveillance of spreading of bacterial genes conferring resistance to critically important antibiotics
Magdalena <b>Kostrzewska-Poczekaj</b>	Polish	Polish Academy of Sciences   Poznan, Poland	Barbara Wollenberg	University Hospital of Schleswig-Holstein   Lübeck, Germany	Platelets and platelet microparticles (PMP) as omnipresent RNA messengers in inflammatory diseases
Marcin <b>Makowski</b>	Polish	Instituto de Medicina Molecular João Lobo Antunes   Lisbon, Portugal	Iván López	Universidad Complutense de Madrid (UCM)   Madrid, Spain	Studying antimicrobial peptide-bioenergetic membrane interactions
Agnieszka <b>Malcher</b>	Polish	Institute of Human Genetics   Poznan, Poland	Bernhard G. Herrmann	Max Planck Institute for Molecular Genetics   Berlin, Germany	CRISPR/Cas9 system based spermatogenesis impairment in vitro modeling of human male gonad
Karol <b>Nowosad</b>	Polish	Medical University of Lublin   Lublin, Poland	Cosimo De Bari	University   Aberdeen, United Kingdom	Chromatin and transcriptome analysis of the developing mice joint interzones
Joanna <b>Swierkowska</b>	Polish	Institute of Human Genetics   Poznan, Poland	Caroline Klaver	Erasmus University MC   Rotterdam, Netherlands	The role of the noncoding miRNA and enhancers in high myopia
Adam <b>Ustaszewski</b>	Polish	Polish Academy of Sciences   Poznan, Poland	Jose Ignacio Martin-Subero	Institut D'Investigacions Biomèdiques August Pi i Sunyer (IDIBAPS)   Barcelona, Spain	Identification of putative alternations of open chromatin regions in classical Hodgkin lymphoma by integration of ATAC-Seq and high-throughput sequencing of cis-regulatory elements.
Márcia <b>Carvalho</b>	Portuguese	University of Trás-os-Montes and Alto Douro   Vila Real, Portugal	Gernot Bodner	University of Natural Resources & Life Sciences (BOKU)   Vienna, Austria	Phenotyping different root systems of wheat and their implication for drought response using hyperspectral imaging
Ricardo <b>Coelho</b>	Portuguese	IPATIMUP   Porto, Portugal	Olli Kallioniemi	Science for Life Laboratory   Solna, Sweden	Unveil the role played by MSLN expression in chemoresistance of ovarian cancer cells
Krishna <b>Kant</b>	Portuguese	International Iberian Nanotechnology Laboratory   Braga, Portugal	Elena Martínez Fraiz	Institut de Bioenginyeria de Catalunya (IBEC)   Barcelona, Spain	A 3D tissue model system to study the penetration of nanotheranostic agents in micrometastasis
Catarina <b>Lopes</b>	Portuguese	University of Lisbon, Portugal	Koji Kinoshita	University of Southern Denmark   Odense, Denmark	Evaluating of erythrocyte deformability and its interaction with fibrinogen variants using micropipette aspiration

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Bárbara <b>Mendes-Pinheiro</b>	Portuguese	Universidade do Minho   Braga, Portugal	Jens Schwamborn	University   Luxembourg, Luxembourg	Mesenchymal stem cells secretome in Parkinson's disease regenerative medicine: using brain organoids as a tool
Ana Rita <b>Mendes</b>	Portuguese	Champalimaud Foundation   Lisbon, Portugal	Sandrine Bertrand	Université de Bordeaux   Bordeaux, France	Functional characterization of the spinal ejaculation network
Carlos <b>Moreira</b>	Portuguese	Instituto de Tecnologia Química e Biologia   Oeiras, Portugal	Cyril Zipfel	University of Zurich, Switzerland	Deciphering new functions of lipid polymer barriers as potential elicitors of plant immunity
Filipa <b>Ribeiro</b>	Portuguese	Instituto de Medicina Molecular João Lobo Antunes   Lisbon, Portugal	Eliane Piaggio	Institut Curie   Paris, France	Elucidating Foxp3+ Tfr cell differentiation one cell at a time
Rui <b>Rodrigues</b>	Portuguese	University of Lisbon, Portugal	Carlos Fitzsimons	Science Park   Amsterdam, Netherlands	Deciphering the role of Cannabinoid Type 2 receptors on adult hippocampal neurogenesis as therapeutic targets for depression
Tess <b>Afanasyeva</b>	Russian	Radboud University   Nijmegen, Netherlands	Michael Cheetham	University College London, United Kingdom	Generation and characterization of retinal organoids to study LCA5-associated retinal degeneration
Alisa <b>Garaeva</b>	Russian	University   Groningen, Netherlands	Markus Seeger	University of Zurich, Switzerland	Synthetic nanobodies for functional and structural characterization of glutamate transporters
Alvin <b>Chew</b>	Singaporean	Nanyang Technological University Singapore, Singapore	Christos Gatsogiannis	MPI für molekulare Physiologie   Dortmund, Germany	Structural insights of Mycobacterial Polyketide Synthase 13 in mycolic acid biosynthesis
Siyao <b>Guo</b>	Singaporean	Nanyang Technological University Singapore, Singapore	Frank Aarestrup	Technical University of Denmark   Lyngby, Denmark	Prevalence and characterization of extended spectrum Beta-lactamase (ESBL) – producing E.coli in markets of Singapore
Nada <b>Labajova</b>	Slovak	Slovak Academy of Sciences   Bratislava, Slovakia	Martin Loose	Institute of Science and Technology Austria (IST)   Klosterneuburg, Austria	Dynamics of Clostridium difficile Min system and its implication on cell division and sporulation
Darina <b>Papřckova</b>	Slovak	Institute of Molecular Genetics of the ASCR   Prague, Czech Republic	David Cole	Immunocore Limited   Abingdon, United Kingdom	The role of self-reactivity of the CD8+ T cells in the immune response
Kristína <b>Vičíková</b>	Slovak	Slovak Academy of Sciences   Bratislava, Slovakia	Dominik Filipp	Academy of Sciences of the Czech Republic   Prague, Czech Republic	A novel role of CD222 in T cell activation
Manja <b>Omerzu</b>	Slovenian	University Medical Centre (UMC)   Utrecht, Netherlands	Raul Méndez	Institute for Research in Biomedicine   Barcelona, Spain	RNA binding protein CPEB1 is a novel Wnt pathway regulator

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Matevž <b>Rumpret</b>	Slovenian	University Medical Centre (UMC)   Utrecht, Netherlands	Meytal Landau	Technion   Haifa, Israel	SIRL-1 as an immune inhibitory receptor recognizing amyloids formed by human and bacterial antimicrobial peptides
Jeongyoon <b>Choi</b>	South Korean	University of Oxford, United Kingdom	Alexey Amunts	Science for Life Laboratory   Solna, Sweden	Revealing 3D-high-resolution structure of the Xist RNP using single-particle cryo-EM
Aixa María <b>Aguilera Garrido</b>	Spanish	Universidad   Granada, Spain	Linda Giblin	Teagasc Food Research Centre   Moorepark, Ireland	Lipid nanoparticles: evaluation of the digestibility and the intestinal permeability through a Caco2/HT-29 co-culture as an in vitro model of human intestinal epithelium
Ana <b>Alcaraz Serna</b>	Spanish	Hospital Universitario de la Princesa   Madrid, Spain	Jens Volker Stein	Université   Fribourg, Switzerland	Migration priming of dendritic cells after synaptic contact
Álvaro <b>Andrades Delgado</b>	Spanish	Universidad   Granada, Spain	Rory Johnson	University   Bern, Switzerland	Genome-wide discovery of cancer driver long non-coding RNAs in lung adenocarcinoma
Irene <b>Anton-Sales</b>	Spanish	Institut de Ciències de Materials de Barcelona (CSIC)   Barcelona, Spain	Heli Skottman	University   Tampere, Finland	Limbal epithelial stem cell transplantation to the ocular surface using bacterial nanocellulose films
Sara <b>Artigas Jerónimo</b>	Spanish	Institute for Game and Wildlife Research   Ciudad Real, Spain	Ard Nijhof	Freie Universität   Berlin, Germany	RNAi in ticks as a tool for vaccine development
Beatriz <b>Ballester Llobell</b>	Spanish	University   Valencia, Spain	Melanie Königshoff	Helmholtz Zentrum   München, Germany	Study of the contribution of extracellular vesicles to lung epithelial cell reprogramming in idiopathic pulmonary fibrosis
Ivan <b>Ballesteros</b>	Spanish	Centro Nacional de Investigaciones Cardiovasculares (CNIC)   Madrid, Spain	Irina A. Udalova	University of Oxford, United Kingdom	Deciphering chromatin organization in tissue-associated Neutrophils during homeostasis
Cristina <b>Benito Villalvilla</b>	Spanish	Complutense University of Madrid (UCM)   Madrid, Spain	Ana Rebane	University   Tartu, Estonia	Epigenetic characterization of dendritic cells differentiated in the presence of allergoid-mannan conjugates
Adela <b>Bernabeu Zornoza</b>	Spanish	Instituto de Salud Carlos III-ISCIII   Majadahonda, Spain	John Mason	University of Edinburgh, United Kingdom	Generation of brain organoids from pluripotent stem cells. Characterization and comparison of two different protocols
César <b>Bernat Silvestre</b>	Spanish	Universidad Politécnica de Valencia   Burjassot, Spain	Chris Hawes	Brookes University   Oxford, United Kingdom	Putative function of Arabidopsis p24 proteins in transport to the plasma membrane of GPI-anchored proteins
Noel <b>Blanco Touriñán</b>	Spanish	Instituto de Biología Molecular y Celular de Plantas   Valencia, Spain	Fredy Barneche	Institute of Biology of the ENS   Paris, France	Regulation of RNA Pol II activity by DELLA-HUB1 in Arabidopsis



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Borja <b>Blanco</b>	Spanish	Basque Center on Cognition   Brain and Language, Spain	Robert Cooper	University College London, United Kingdom	Mapping whole head resting-state functional connectivity in neonates with combined high density diffuse optical tomography and electroencephalography
Susanna <b>Bodoy</b>	Spanish	Institute for Research in Biomedicine   Barcelona, Spain	Günter Weiss	Medical University   Innsbruck, Austria	Regulation of FPN1 in macrophages from lysinuric protein intolerance mouse model
Èlia <b>Bosch Rué</b>	Spanish	Universitat Internacional de Catalunya   Barcelona, Spain	George Alexander Truskey	Duke University   Durham, United States	Maturation and functional characterization of engineered blood vessel like structure
Álvaro <b>Briso-Montiano Pastrana</b>	Spanish	Centre for Molecular Biology 'Severo Ochoa'   Madrid, Spain	Hans C. Clevers	Hubrecht Institute   Utrecht, Netherlands	Establishment of inherited metabolic disease models for therapy development and evaluation of pharmacological chaperones: hepatic organoids and gene editing
Izaskun <b>Buendia</b>	Spanish	Hospital Universitario de la Princesa   Madrid, Spain	Denis Vivien	University   Caen, France	Proof of concept of the therapeutic potential of ITH13001 by induction of the Nrf2-Hemoxygenase 1 axis for the treatment of cerebral stroke
Sonia <b>Burgaz</b>	Spanish	Universidad Complutense de Madrid (UCM)   Madrid, Spain	Giovanni Marsicano	Neurocentre Magendie   Bordeaux, France	Role of the mitochondrial CB1 receptor in neuronal deterioration in Parkinson's disease
Andres Angel <b>Calderon-Garcia</b>	Spanish	Universidad de Salamanca, Spain	Thomas Braunbeck	Universität   Heidelberg, Germany	Role of CYP1A in the biotransformation and biological effects of drugs of abuse
María <b>Cámara Quílez</b>	Spanish	University   A Coruña, Spain	Dora Brites	University of Lisbon, Portugal	Separation of small extracellular vesicles from cancerous cells and assessment of their cargo in specific inflammatory mediators
Mar <b>Carmona-Abellan</b>	Spanish	Biocruces Bizkaia Health Research Institute   Barakaldo, Spain	Vincenzo Donadio	Università   Bologna, Italy	Abnormal $\alpha$ -synuclein deposits in skin nerves of idiopathic and genetic Parkinson's disease
Mireia <b>Casulleras-Oliver</b>	Spanish	IDIBAPS   CIBERehd   Hospital Clinic, Spain	Loredana Saveanu	Université Diderot (Paris 7)   Paris, France	Identification of albumin receptors and characterization of albumin intracellular trafficking in human monocytes
Jean-Paul <b>Cerna Vargas</b>	Spanish	Universidad Politécnica   Madrid, Spain	Victor Sourjik	MPI für terrestrische Mikrobiologie   Marburg, Germany	Characterization of phytopathogenic bacteria chemoreceptors
Mario D. <b>Cordero</b>	Spanish	Universidad   Granada, Spain	Thomas Von Zglinicki	University   Newcastle, United Kingdom	Evaluating the role of NLRP3-inflammasome in senescent cells
Cristina <b>Cueto</b>	Spanish	CEU Cardenal Herrera University   Valencia, Spain	Paul Coffey	University Medical Centre (UMC)   Utrecht, Netherlands	Role of Rnd3 in autophagy through BioID proximity Biotinylation technique

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María <b>Davis Lopez De Carrizosa</b>	Spanish	Universidad   Sevilla, Spain	Sonia Brichard	Université Catholique de Louvain   Brussels, Belgium	Is Adiponectin exerting a protective role on extraocular muscles in Duchenne's muscular dystrophy?
Rubén <b>De Dios Barranco</b>	Spanish	Universidad Pablo de Olavide   Sevilla, Spain	Jörg Vogel	University   Würzburg, Germany	Deciphering the ncRNA-Mediated Posttranscriptional regulation in the anaerobic and the general stress responses of the Facultative Anaerobe Sphingopyxis granulii TFA
María Ester <b>De La Cruz Crespillo</b>	Spanish	Fundación Centro Nacional de Investigaciones Cardiovasculares   Madrid, Spain	Guillermo Oliver	Northwestern University   Chicago, United States	Meis transcription factors and the Epicardium: paracrine association with cardiac lymphatics?
Irene <b>Delgado Román</b>	Spanish	Instituto de Biomedicina de Sevilla   Sevilla, Spain	Marija Cvijovic	University   Gothenburg, Sweden	Study of proliferative heterogeneity in clonal cultures of Saccharomyces cerevisiae
Daniel <b>Duque</b>	Spanish	Institut D'Investigacions Biomèdiques August Pi i Sunyer (IDIBAPS)   Barcelona, Spain	Ewelina Knapska	Nencki Institute   Warsaw, Poland	The role of pre-frontal cortex in the generation of expectations
Daniel <b>F. Marchán</b>	Spanish	University of Vigo   Vigo, Portugal	Thibaud Decaëns	Centre d'Ecologie Fonctionnelle et Evolutive   Montpellier, France	Phylogenetic relationships of southern France endemic earthworm genera – filling the gap in the evolution of Lumbricidae
Alfonso <b>Fernandez-Alvarez</b>	Spanish	Universidad Pablo de Olavide   Sevilla, Spain	Sigurd Braun	Ludwig-Maximilians-Universität (LMU)   Martinsried, Germany	Identification of regulators of the Rab1 configuration
Mónica <b>Fernández-Cortés</b>	Spanish	Instituto de Parasitología y Biomedicina   Armilla, Spain	Peter Carmeliet	Vesalius Research Center   Leuven, Belgium	Role of PARP inhibition in promoting vasculogenic mimicry normalization in vivo
José <b>Fernández-Fernández</b>	Spanish	Instituto de Biomedicina de Sevilla   Sevilla, Spain	Jorge Perez Fernandez	Universität   Regensburg, Germany	Consequences of the depletion of yeast ribosomal protein eL15 and RNA helicase Mak5 on ribosome biogenesis
Eva <b>Florensa-Zanuy</b>	Spanish	Universidad de Cantabria   Santander, Spain	John Cryan	University College   Cork, Ireland	Behavioural, immune and microbiota alterations induced by early-life antibiotic administration in mice: implications for mood and cognitive disorders
Joana <b>Fort</b>	Spanish	Institute for Research in Biomedicine   Barcelona, Spain	Thorben Cordes	Ludwig-Maximilians-Universität (LMU)   Martinsried, Germany	Study of molecular mechanism of the LAT transporter BasC by intramolecular FRET
Silvia <b>Galan</b>	Spanish	Centro de Regulación Genómica (CRG)   Barcelona, Spain	Juan M Vaquerizas	MPI für Molekulare Biomedizin   Münster, Germany	Definition of structural alphabets for determining the relationship between structural patterns and genomic features

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Luis Javier <b>Galindo González</b>	Spanish	Université de Paris-Sud   Orsay, France	Iñaki Ruiz-Trillo	Universitat Pompeu Fabra   Barcelona, Spain	Phylogenomics and comparative genomics of <i>Amoeba</i> <i>gromovi</i> and <i>Sanchytrium tribonematis</i> (Sanchytriaceae), a divergent fugal clade
Miguel <b>García Álvarez</b>	Spanish	University   Oviedo, Spain	Ola Larsson	Karolinska Institutet   Stockholm, Sweden	Identification and characterization of ribosome translation patterns in RPS15-mutated chronic lymphocytic leukemia by polysome profiling and RNA sequencing
Rocío <b>García Gómez</b>	Spanish	Universidad de Cantabria   Santander, Spain	Victoria Sanz Moreno	Queen Mary   University of London, United Kingdom	Unraveling IQGAP1 and IQGAP2 scaffold proteins effect on melanoma invasion and metastasis capacities using 3D matrix imaging systems
Jorge <b>García-Lema</b>	Spanish	Institute for Research in Biomedicine   Barcelona, Spain	Jonathan Grimes	University of Oxford, United Kingdom	Structural characterization of the human ADAT2-ADAT3-tRNA complex
Celia <b>García</b>	Spanish	Centre for Molecular Biology 'Severo Ochoa'   Madrid, Spain	Nick Brown	University of Cambridge, United Kingdom	Analysis of the regulation of cell-extracellular matrix interactions by the <i>Drosophila melanogaster</i> Hox gene <i>Ultrabithorax</i> to determine organ shape
Maria <b>García</b>	Spanish	Centro Nacional de Investigaciones Cardiovasculares (CNIC)   Madrid, Spain	Dirk Görlich	MPI für biophysikalische Chemie   Göttingen, Germany	Importin-7: a mechanosensing import factor for Cavin-1 and YAP1
Natalia <b>González Mancha</b>	Spanish	Centro Nacional de Biotecnología (CNB)   Madrid, Spain	Andres Alcover	Institut Pasteur   Paris, France	SNX27 in the control of cytoskeleton rearrangements, signalling microclusters and T cell function
Jaime <b>Gonzalez</b>	Spanish	University   Surrey, United Kingdom	Rolf Kümmerli	University of Zurich, Switzerland	In vivo analysis of population invasion using engineered <i>Pseudomonas aeruginosa</i>
Sandra <b>Guallar Garrido</b>	Spanish	Universitat de Barcelona   Barcelona, Spain	Thierry Soldati	University of Geneva, Switzerland	Impact of the joint effect of PDIM and ESAT-6 during amoeba infection
Diego <b>Guerin</b>	Spanish	University of the Basque Country   Leioa, Spain	Paolo Carloni	Forschungszentrum Jülich GmbH   Jülich, Germany	Activation of a Rhodopsin mutant causing severe retinitis pigmentosa: a metadynamics study
Xabier <b>Guruceaga Sierra</b>	Spanish	University of the Basque Country   Leioa, Spain	Jarrod R Fortwendel	University of Tennessee   Memphis, United States	Generation of <i>Aspergillus fumigatus</i> deletion mutant strains using CRISPR-Cas9 technology
Julietta Gabriela <b>Hamze Araujo</b>	Spanish	Universidad   Murcia, Spain	Patrick Lonergan	University College   Dublin, Ireland	Bovine rJuno coated beads: an alternative model to understand gamete interaction in cattle
María Isabel <b>Hernández Alvarez</b>	Spanish	Institute for Research in Biomedicine   Barcelona, Spain	Bruno Antony	Institut de Pharmacologie Moléculaire et Cellulaire (IPMC)   Valbonne, France	Dissecting the mechanism by which Mitofusin 2 participates in phosphatidylserine transfer from ER to mitochondria

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Jorge <b>Hernández-García</b>	Spanish	Universidad Politecnica   Valencia, Spain	Dolf Weijers	Wageningen University, Netherlands	Cellular analysis of meristem behaviour under stress in the liverwort <i>Marchantia polymorpha</i>
Leticia <b>Herrera Melle</b>	Spanish	Centro Nacional de Investigaciones Cardiovasculares (CNIC)   Madrid, Spain	Bruce M. Spiegelman	Harvard Medical School   Boston, United States	Role of skeletal muscle p38 MAPKs in the control of locomotor activity
Óscar <b>Herrero</b>	Spanish	Universidad Nacional de Educación a Distancia   Madrid, Spain	David Siauxat	Sorbonne University   Paris, France	Assessment of the biocide potential of methyl ketones and implications in integrated pest management (BIOPEST)
Juan José <b>Huesa</b>	Spanish	University   Valencia, Spain	Guillermo Montoya	University   Copenhagen, Denmark	Application of cryo-EM studies for the structural characterization of the Rcs phosphorelay system
Nekane <b>Ibarluzea</b>	Spanish	Biocruces Bizkaia Health Research Institute   Barakaldo, Spain	Hans Van Bokhoven	Radboud University   Nijmegen, Netherlands	Disease modelling in MED12 related disorders using CRISPR/Cas9 technology
Sonia <b>Infante</b>	Spanish	IMDEA Nanociencia   Madrid, Spain	Diane Barber	University of California San Francisco, United States	Metallo-organic compounds capable of hijacking/releasing a proton for shuttling protons into cancer cells
Leire <b>Iparraquirre</b>	Spanish	BioDonostia Health Research Institute   San Sebastian, Spain	Thomas Birkballe Hansen	Aarhus University, Denmark	Role of circRNAs in the transcriptome regulation network in multiple sclerosis
David <b>Juan</b>	Spanish	Institute of Evolutionary Biology (IEB)   Barcelona, Spain	Duncan T. Odom	Deutsches Krebsforschungszentrum (DKFZ)   Heidelberg, Germany	Defining gene regulatory elements responsible for gene expression changes in primate evolution of somatic cells
Iris <b>Juárez Leal</b>	Spanish	Instituto de Neurociencias   San Juan de Alicante, Spain	Matthias Prigge	Leibniz-Institut für Neurobiologie   Magdeburg, Germany	Optogenetic stimulation of Stria Medularis afferents into medial Habenula
Paula <b>Juiz-Valiña</b>	Spanish	University   A Coruña, Spain	Justin Rochford	University   Aberdeen, United Kingdom	Defining the response of adipose tissue to bariatric surgery: a possible mediator of improved metabolic health
Jose Ignacio <b>Labella Sanfrutos</b>	Spanish	University of Alicante   Alicante, Spain	Conrad Mullineaux	Queen Mary   University of London, United Kingdom	Connection between the essential response regulator RpaB and the thylakoid biogenesis
Iraia <b>Ladero</b>	Spanish	NEIKER   Basque Institute for Agricultural Research and Development, Spain	Dirk Werling	University College London, United Kingdom	Cattle innate response against mycobacterial infections: neutrophil extracellular trap release and inflammasome complex formation in caspase-1 activation
Jaione <b>Lasa</b>	Spanish	BioDonostia Health Research Institute   San Sebastian, Spain	Isabelle Richard	Généthon   Evry, France	New therapeutic treatments for LGMD2A targeting SERCA

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Jesús Lavado-García	Spanish	Universitat Autònoma de Barcelona   Barcelona, Spain	Terry Nguyen-Khuong	Bioprocessing Technology Institute   Singapore, Singapore	Glycomic characterization of HIV-1 virus-like particles and co-produced extracellular vesicles within a HEK293 mammalian production system
Laura Lopez Blanch	Spanish	Centro de Regulación Genómica (CRG)   Barcelona, Spain	Stephen W. Wilson	University College London, United Kingdom	Deciphering the role and regulation of alternatively spliced microexons during nervous system development and function
Lorena Magraner Pardo	Spanish	Centro Nacional de Investigaciones Oncológicas (CNIO)   Madrid, Spain	Janet Thornton	European Bioinformatics Institute   Hinxton   Cambridge, United Kingdom	Identification of new biomarkers in prostate cancer
Esmeralda Magro López	Spanish	Instituto de Salud Carlos III   Madrid, Spain	Deborah Gill	University of Oxford, United Kingdom	Generation of a Surfactant-Protein B (SP-B) deficient (knock-in) human pluripotent stem cell line using CRISPR-Cas9
Rubén Martín Escolano	Spanish	Universidad   Granada, Spain	Anastasio D. Tsaousis	University of Kent   Canterbury, United Kingdom	Biological and biochemical insights into Cryptosporidium infection to understand the intracellular propagation mechanisms and host-parasite interactions, and to explore candidates as anti-microbial drugs
Eduard Masvidal Codina	Spanish	Universitat Autònoma de Barcelona   Barcelona, Spain	Rob Wykes	University College London, United Kingdom	Assessing the effects of potentially clinically-translatable drugs on cortical spreading depression using graphene transistor arrays
Elena Mata	Spanish	Universidad   Zaragoza, Spain	Stephen Gordon	University College   Dublin, Ireland	Characterization of Mycobacterium bovis PknH mutants transcriptomic profile and analysis of RD900 locus across MTBC
Sara Mederos	Spanish	Cajal Institute   Madrid, Spain	György Buzsáki	New York University, United States	Astrocytes impact in vivo PV+ synaptic connections in prefrontal cortex
Catharina Merchante	Spanish	University of Malaga, Spain	Geert De Jaeger	Ghent University, Belgium	Identification of different ribosome populations in Arabidopsis cell cultures and their implication in gene-specific translation
Iris Montero Muñoz	Spanish	Autonomous University of Madrid   Madrid, Spain	Pablo Muñoz Rodríguez	University of Oxford, United Kingdom	Phylogenetic study of Acalypha l. (Euphorbiaceae) from the Western Indian ocean region in the context of Acalypha worldwide
Antonio Javier Moreno Perez	Spanish	Universidad Pablo de Olavide   Sevilla, Spain	Brigitte Thomasset	University of Technology   Compiègne, France	Effect of lipoic acid on fatty acids and lipids biosynthesis in plants: metabolic characterization
Lara Moreno	Spanish	University of Castilla-La Mancha   Ciudad Real, Spain	Christian Voigt	Leibniz Institute for Zoo and Wildlife Research   Berlin, Germany	Using stable isotopes to establish the flyways of European turtle dove

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Aida Obiols	Spanish	PEBC   L'Hospitalet de Llobregat (Barcelona), Spain	Jeroen Pasterkamp	University Medical Centre (UMC)   Utrecht, Netherlands	Characterization of new circRNAs species with regulatory potential in a human cellular model of Rett syndrome
Paula Olaizola Rebe	Spanish	BioDonostia Health Research Institute   San Sebastian, Spain	Luca Fabris	Università di Padova, Italy	Role of post-translational modifications in the regulation of the cholangiocarcinoma-stroma crosstalk
Wilfredo Oliva-Olivera	Spanish	University of Malaga, Spain	Tapio Lönnberg	Centre for Biotechnology   Turku, Finland	Single-cell transcriptomic analysis of metabolic sensitivity to apoptosis in adipose-derived mesenchymal stem cell subpopulations
Bruna Oriol-Tordera	Spanish	AIDS Research Institute IrsiCaixa   Badalona, Spain	Bézhazine Combadière	Université 6 Pierre et Marie Curie (UPMC)   Paris, France	Systems vaccinology to identify epigenetically regulated immune responses in the kick-and-kill clinical trial BCN02-Romi
Jesús Osuna	Spanish	Centro Nacional de Biotecnología (CNB)   Madrid, Spain	Erika Pearce	MPI für Immunbiologie und Epigenetik   Freiburg, Germany	Metabolic control of CD8+ T cells function by bacterial-trained CD4+ T lymphocytes
Marta Palomo	Spanish	CIC bioGUNE   Derio, Spain	Ragnhildur Thora Káradóttir	Wellcome Trust Centre for Stem Cell Research   Cambridge, United Kingdom	The role of AMPKines in remyelination: protective treatment against nervous system degeneration?
Eva Parisi	Spanish	Universitat de Lleida   Lleida, Spain	Stephen Brown	University   Sheffield, United Kingdom	RNAi cellular screen to identify modulators of the master EMT regulator Snail in a Drosophila metastatic colorectal cancer model
Alberto Parras	Spanish	Universidad Autònoma   Madrid, Spain	Tobias Engel	Royal College of Surgeons in Ireland   Dublin, Ireland	mRNA Polyadenylation in epilepsy by CPEBs
Rebeca Perez De Diego	Spanish	Hospital La Paz Institute for Health Research (IDIPAZ)   Madrid, Spain	Isabelle Meyts	Katholieke Universiteit   Leuven, Belgium	Whole-exome sequencing analysis in patients with combined immunodeficiencies to describe new genetic defects
Marta Perez Illana	Spanish	Centro Nacional de Biotecnología (CNB)   Madrid, Spain	Urs Greber	University of Zurich, Switzerland	Optimization of an experimental strategy to map the positions of core proteins on the Adenovirus genome
Alejandro Pérez-Fernández	Spanish	Universidad de Salamanca, Spain	Helen Wheadon	University of Glasgow, United Kingdom	-catenin inhibition mediated by protein tyrosine phosphatases: an adjuvant therapy towards a real cure to chronic myeloid leukaemia
Patricia Perez-Palacios	Spanish	Hospital Universitario Virgen Macarena   Seville, Spain	Thierry Naas	University Hospital Center (CHU)   Le Kremlin-Bicetre, France	Molecular analysis of plasmids in carbapenemase-producing clinical isolates of Klebsiella pneumoniae

**EMBO Short-Term Fellowships awarded in 2019**

Name	Nationality	Home institute	Group leader	Host institute	Project
Monica <b>Perez</b>	Spanish	Centro Nacional de Investigaciones Oncológicas (CNIO)   Madrid, Spain	Scott Lowe	Memorial Sloan-Kettering Cancer Center   New York, United States	Understanding the contrasting roles of GATA6 and GATA4 in pancreas homeostasis and tumorigenesis
Guillem <b>Prats-Ejarque</b>	Spanish	Universitat Autònoma de Barcelona   Cerdanyola, Spain	Georgios Spyroulias	University   Patras, Greece	Identification of human antimicrobial RNase interactions at the substrate secondary base by nuclear magnetic resonance
Pilar <b>Puerto-Camacho</b>	Spanish	Instituto de Biomedicina de Sevilla   Sevilla, Spain	Val Brunton	University of Edinburgh, United Kingdom	Relevance of endoglin and MMP14 upon the regulation of cell signalling pathways involved in the metastatic phenotype of Ewing sarcoma cells
Daniel <b>Pulido</b>	Spanish	CIBERNED   Barcelona, Spain	Tambet Teesalu	University   Tartu, Estonia	Multivalent peptide-targeted dendritic platforms with enhanced tumor homing properties
Gabriela <b>Quiroga García</b>	Spanish	Estación Experimental del Zaidín   CSIC, Spain	Raffaella Maria Balestrini	Istituto per la Protezione Sostenibile delle Piante   Torino, Italy	Cell-type differential regulation of maize aquaporins by the arbuscular mycorrhizal (AM) symbiosis during drought stress
Sandra <b>Rodríguez López</b>	Spanish	National University of Córdoba   Córdoba, Spain	Johan Auwerx	Swiss Federal Institute of Technology   Lausanne, Switzerland	Mitochondrial dysfunction and dysregulation of NAD+ metabolism in non-alcoholic fatty liver disease
Bernardo <b>Rodríguez Martín</b>	Spanish	Universidade   Santiago de Compostela, Spain	Jan O. Korbel	EMBL   Heidelberg, Germany	Retropore: elucidating the impact of retrotransposon-mediated structural variation in the cancer genome through Oxford Nanopore long-read sequencing
Abril <b>Sanchez Botet</b>	Spanish	Universitat Internacional de Catalunya   Barcelona, Spain	Vivian Li	The Francis Crick Institute   London, United Kingdom	Cyclin P (CCNP) promotes tumorigenesis and cancer stemness
Eva <b>Sandoval Quintana</b>	Spanish	University   Pau, France	Gijs Van Haften	University Medical Centre (UMC)   Utrecht, Netherlands	CRISPR/Cas9 targeted enrichment of environmental integrons
Alvaro <b>Santos</b>	Spanish	BioDonostia Health Research Institute   San Sebastian, Spain	Luke Boulter	Western General Hospital   Edinburgh, United Kingdom	Differentiation of peripheral blood mononuclear cells to cholangiocyte-like cells by cellular reprogramming: novel strategy for the study of polycystic liver diseases
Noelia <b>Serrano Martínez</b>	Spanish	Universidad Complutense de Madrid (UCM)   Madrid, Spain	Jorge Sepulcre	Massachusetts General Hospital (MGH)   Charlestown, United States	Dynamic functional connectivity from local to large-scale brain networks across individuals in the AD continuum
Daniel <b>Sobrido Cameán</b>	Spanish	Universidade   Santiago de Compostela, Spain	Matthias Landgraf	University of Cambridge, United Kingdom	Study of the role of reactive oxygen species in synaptic plasticity, neuro-protection and axon regeneration

**EMBO Short-Term Fellowships awarded in 2019**

Name	Nationality	Home institute	Group leader	Host institute	Project
Ana Del Carmen <b>Soriano Lerma</b>	Spanish	Universidad   Granada, Spain	Paul Cotter	Teagasc Food Research Centre   Moorepark, Ireland	Metagenomic analysis of intestinal microbial communities in the context of nutritional ferropenic anaemia: towards the development of microbiome-targeted therapies
Pablo <b>Suárez Cortés</b>	Spanish	MPI für Infektionsbiologie   Berlin, Germany	Timothy F. Walseth	University of Minnesota   Minneapolis, United States	Delineating noncanonical calcium signaling in the transmission stages of Plasmodium falciparum
Cristina <b>Tejedo</b>	Spanish	Centro Nacional de Investigaciones Oncológicas (CNIO)   Madrid, Spain	Jean-Christophe Marine	Katholieke Universiteit   Leuven, Belgium	Characterization of tumor heterogeneity driven by STAU1 expression in melanoma
Pascual <b>Torres</b>	Spanish	Institut de Recerca Biomèdica   Lleida, Spain	Matthew Wood	University of Oxford, United Kingdom	Cryptic exon splicing correction by splice-switching antisense oligonucleotides
Iratxe <b>Uranga Murillo</b>	Spanish	Centro de Investigación Biomedica de Aragón   Zaragoza, Spain	Reuben Benjamin	King's College   London, United Kingdom	Role of Granzyme A during immunotherapy with CD19 CAR-T cells
Roberto <b>Vázquez</b>	Spanish	Centro de Investigaciones Biológicas (CIB / CSIC)   Madrid, Spain	Yves Briers	University   Gent, Belgium	Tackling polymicrobial respiratory tract infections by high-throughput construction of multi-modular lysins
Rebeca <b>Vecino Pérez</b>	Spanish	Universidad (CSIC)   Salamanca, Spain	Marcela Pekna	University   Gothenburg, Sweden	Decoding the role of complement-brain interaction in neuroreparation after ischemia
Alejandro <b>Velázquez-Cruz</b>	Spanish	Universidad   Sevilla, Spain	Wouter H. Roos	University   Groningen, Netherlands	DNA moulding by Prefoldin
Alba <b>Vera Zambrano</b>	Spanish	Instituto Investigaciones Biomédicas (CSIC)   Madrid, Spain	Niels Decher	Philipps-Universität Marburg, Germany	Role of the Sigma 1 receptor (Sig1R) in the Kv1.5 Channelosome
Aida <b>Verdes Gorín</b>	Spanish	Natural History Museum   London, United Kingdom	Stefania Giacomello	Science for Life Laboratory   Solna, Sweden	Spatially resolved transcriptome profiling of a venomous marine invertebrate: the ribbon worm Lineus longissimus (Nemertea)
Carlos <b>Vicente Gutiérrez</b>	Spanish	Universidad de Salamanca, Spain	Giovanni Marsicano	University of Bordeaux   Bordeaux, France	Dissecting high brain functions and behaviour modulated by astrocytic mitochondrial ROS
Sonia <b>Vicente-Ruiz</b>	Spanish	Centro de Investigación Principe Felipe (CIPF)   Valencia, Spain	Twan Lammers	RWTH University   Aachen, Germany	Tumor microenvironment (TME) modulation study in 3D cell culture and ex vivo tumors upon treatment using two different polymer-drug conjugates
Ana <b>Villalba Requena</b>	Spanish	Instituto de Neurociencias   San Juan de Alicante, Spain	Alexandre Baffet	Institut Curie   Paris, France	Behavior of Sv2b vesicles in mouse RGCs

#### EMBO Short-Term Fellowships awarded in 2019

Name	Nationality	Home institute	Group leader	Host institute	Project
Natàlia Vilor-Tejedor	Spanish	Centro de Regulación Genómica (CRG)   Barcelona, Spain	Hieab H Adams	Erasmus University MC   Rotterdam, Netherlands	Genetic architecture of brain atrophy and its influence on the progression of dementia
Rebecca Andersson	Swedish	University   Gothenburg, Sweden	Maria Carolina Florian	Centre de Medicina Regenerativa de Barcelona   Barcelona, Spain	Protoesome impairment in aged haematopoietic stem cells – consequences and solutions
David Bernson	Swedish	Chalmers University of Technology   Gothenburg, Sweden	Janet Kumita	University of Cambridge, United Kingdom	Purification of TDP-43 for biophysical studies of amyotrophic lateral sclerosis pathology
Shady Younis	Swedish	Uppsala University, Sweden	Alice Jouneau	INRA   Jouy-en-Josas, France	Understanding the role of ZC3H11A protein in embryo development
Andrea Danani	Swiss	Dalle Molle Institute for Artificial Intelligence Research   Manno, Switzerland	Miguel Weil	Tel Aviv University, Israel	Role of the protein domain Arg101-Arg103 in the JD aggregation pathway implicated in SCA3 disease
Ester Eckert	Swiss	Institute of Ecosystem Study   National research Council, Italy	Ellen Decaestecker	Katholieke Universiteit   Leuven, Belgium	Axenisation of Daphnia magna for transcriptome analysis of freshwater Escherichia coli
Grégory La Sala	Swiss	Swiss Federal Institute of Technology   Lausanne, Switzerland	Veronika Sexl	University of Veterinary Medicine   Vienna, Austria	Targeting oncogenic signaling of the transcription factor STAT3 with a potent and selective monoclonal antibody inhibitor
Pelin Balçık Ercin	Turkish	Technical University   Gebze, Turkey	Catherine Alix-Panabieres	Université II   Montpellier, France	The expression of SIX1 and its functional significance in circulating tumor cells
Nazli Ecem Dal	Turkish	Dokuz Eylul University   Izmir, Turkey	Agnieszka Siomek-Górecka	Nicolaus Copernicus University   Bydgoszcz, Poland	Evaluation of vitamin D status and epigenetic markers in systemic sclerosis by mass spectrometry-based novel technologies
Burcu Fıratlıgil Yıldırım	Turkish	Institute of Technology   Izmir, Turkey	Nonappa Nonappa	Aalto University   Espoo, Finland	The effect of 3D nanoscaffolds on invasion and extravasation of breast cancer cells in a lab-on-a-chip (LOC) system
Merve Öyken	Turkish	Middle East Technical University   Ankara, Turkey	Huib Ovaas	University Medical Centre   Leiden, Netherlands	SNX3 and the RETROMER dependent recycling of EGFR
Çağlar Sagun	Turkish	Soil   Fertilizer and Water Resources Central Research Institute, Turkey	Valeria Bianciotto	Istituto per la Protezione Sostenibile delle Piante   Torino, Italy	In vitro culturing techniques of AM fungi and Molecular characterization of AM fungi
Bora Taştan	Turkish	Dokuz Eylul University   Izmir, Turkey	Amanda Sierra	Achucarro Basque Center for Neuroscience   Zamudio, Spain	Immunometabolic adaptation of microglial phagocytosis
Dilek Unal	Turkish	Bilecik Seyh Edebali University   Bilecik, Turkey	Karl-Josef Dietz	University   Bielefeld, Germany	Function of Polyamines on protein-protein interaction during PSII repair mechanisms

#### EMBO Short-Term Fellowships awarded in 2019

Name	Nationality	Home institute	Group leader	Host institute	Project
Tatiana Feuerborn	US-American	Swedish Museum of Natural History   Stockholm, Sweden	Laurent Frantz	Queen Mary   University of London, United Kingdom	Paleogenomics of sledge dogs
Sarah Overby	US-American	Universidad Politecnica de Valencia   Burjassot, Spain	Miguel Varela	University of Oxford, United Kingdom	Therapeutic gene modulation of MBNL1/2 by miRNA targeting in myotonic dystrophy



# EMBO Young Investigators

[www.embo.org/funding-awards/young-investigators](http://www.embo.org/funding-awards/young-investigators)

[yip@embo.org](mailto:yip@embo.org)

Through the Young Investigator Programme, EMBO identifies and supports some of the best young researchers in the life sciences. EMBO Young Investigators are group leaders in the early stages of setting up an independent laboratory in EMBC Member States, Associate Member States or countries and territories covered by a co-operation agreement.

**Gerlind Wallon**  
Programme Manager

## EMBO Young Investigators 2019

Name	Nationality	Institute	Research interest	Country	Gender
Alexey Amunts	Israeli	Science for Life Laboratory, Solna	Establishing principles of protein synthesis and folding in organelles	SE	M
Tuncay Baubec	Austrian	University of Zurich	Function and regulation of epigenetic patterns in mammalian cells	CH	M
Petter Brodin	Swedish	Science for Life Laboratory, Solna	Shaping of human immune systems by environmental influences early in life	SE	M
Cécile Charrier	French	Institute of Biology of the ENS, Paris	Mechanisms and human-specific regulations of synaptic development and plasticity	FR	F
Bert De Rybel	Belgian	VIB – Flanders Institute for Biotechnology, Ghent	Unraveling plant vascular development	BE	M
Daniele Fachinetti	Italian	Institut Curie, Paris	Revealing the impact of centromeric DNA on centromere formation and integrity	FR	M
Elif Firat-Karalar	US-American	Koc University, Istanbul	Dissecting the spatiotemporal regulation of centrosome/cilium complex	TR	F
Yaron Fuchs	Israeli	Technion, Haifa	Harnessing stem cell apoptosis for tissue regeneration	IL	M
Paul Guichard	French	University of Geneva	Deciphering the architecture and assembly of the centriole	CH	M
Martin Guilliams	Belgian	Ghent University	Tissue signals and transcription factors driving Kupffer cell differentiation	BE	M
Edouard Hannezo	French	Institute of Science and Technology Austria (IST), Klosterneuburg	Physical principles of biological systems	AT	M
Ping-Chih Ho	Taiwanese	University of Lausanne, Epalinges	Immunometabolic editing on facilitating immune evasion in melanomas	CH	M
Jan Philipp Junker	German	Max Delbrück Center, Berlin	Systematic analysis of variability and plasticity in vertebrate development	DE	M

## EMBO Young Investigators 2019

Name	Nationality	Institute	Research interest	Country	Gender
Siddhesh Kamat	Indian	Indian Institute of Science Education and Research, Pune	A chemoproteomics and metabolomics approach towards enzyme function annotation	IN	M
Wanda Kukulski	Swiss	MRC Laboratory of Molecular Biology, Cambridge	How molecular architectures of cellular membranes contribute to functions	UK	F
Madeline Lancaster	US-American	MRC Laboratory of Molecular Biology, Cambridge	Understanding development of human brain size and complexity	UK	F
Prisca Liberali	Italian	Friedrich Miescher Institute, Basel	Self-organisation during organoids formation	CH	F
Martin Loose	German	Institute of Science and Technology Austria (IST), Klosterneuburg	Self-organization of protein systems	AT	M
Jean-Léon Maître	French	Institut Curie, Paris	Mechanics of mammalian development	FR	M
Sebastian Marquardt	German	University of Copenhagen	Rules and roles of long non-coding RNA transcription	DK	M
Bjørn Panyella Pedersen	Danish	Aarhus University	Molecular mechanisms of transmembrane metabolite uptake	DK	M
Randall J. Platt	US-American	ETH Zurich, Basel	Interrogating complex disease mechanisms and cellular behaviors with CRISPR	CH	M
Hayley Sharpe	British	University of Cambridge	Cell signalling by receptor tyrosine phosphatases	UK	F
Fran Supek	Croatian	Institute for Research in Biomedicine, Barcelona	Variability in mutational processes across genome regions and across individuals	ES	M
Marvin Tanenbaum	Dutch	Hubrecht Institute, Utrecht	Gene expression dynamics in single cells	NL	M
Barbara Treutlein	German	ETH Zurich, Basel	Reconstructing organ development using single-cell genomics	CH	F
Joseph Yeeles	British	MRC Laboratory of Molecular Biology, Cambridge	Mechanisms of eukaryotic chromosome replication	UK	M

#### Applications and awards 2015 – 2019

Country	Applications (2015-2019)	% of total applications	Awards (2015-2019)	% of total awards
Austria	25	2.3	7	5.4
Belgium	25	2.3	2	1.6
Croatia	3	0.3	0	0.0
Czech Republic	11	1.0	0	0.0
Denmark	28	2.6	2	1.6
Estonia	1	0.1	0	0.0
Finland	10	0.9	0	0.0
France	84	7.8	15	11.6
Germany	140	13.0	16	12.4
Greece	2	0.2	0	0.0
Hungary	5	0.5	0	0.0
Iceland	2	0.2	0	0.0
Ireland	7	0.7	0	0.0
Israel	42	3.9	7	5.4
Italy	50	4.7	2	1.6
Luxembourg	1	0.1	0	0.0
Netherlands	40	3.7	6	4.7
Norway	6	0.6	0	0.0
Poland	7	0.7	1	0.8
Portugal	35	3.3	0	0.0
Slovakia	0	0.0	0	0.0
Slovenia	0	0.0	0	0.0
Spain	71	6.6	6	4.7
Sweden	49	4.6	4	3.1
Switzerland	63	5.9	20	15.5
Turkey	7	0.7	1	0.8
United Kingdom	204	19.0	29	22.5
Cyprus	1	0.1	0	0.0
Singapore	33	3.1	7	5.4
Taiwan	9	0.8	0	0
India	108	10.0	4	3.1
Others	6	0.6	0	0.0
<b>Total</b>	<b>1075</b>		<b>129</b>	

#### EMBO Young Investigator Lectures 2019

Young Investigator	Conference	Location	Date
Axel Innis	Ribosome: Structure, Function, Assembly, Regulation, as a Therapeutic Target	MX-Mérida	6–10 January
Pablo Huertas	Gordon Research Conference on Mammalian DNA Repair	US-Ventura, CA	10–15 February
Caren Norden	LS2 Annual Meeting 2019 on "Cell Biology from Tissue to Nucleus"	CH-Zurich	14–15 February
Claire Wyart	The 13th Annual Meeting of Gulbenkian Students (AMeeGuS)	PT-Azores	12–15 March
Emmanuelle Bayer	French Cell Wall meeting (12èmes journées du Réseau Français des Parois—jRFP2019)	FR-Roscoff	14–16 March
Kristin Tessmar-Raible	New Genetic Tools for Non-Model Organisms	US-Ashburn, VA	17–20 March
Ana Jesus Garcia Saez	Hunter Cell Biology Meeting	AU-Hunter Valley	18–21 March
Stefan Ameres	7th International Symposium Crossroads in Biology (CiB)	DE-Cologne	27–29 March
Nathalie Rochefort	2019 Dendrites Gordon Research Conference	US-Ventura, CA	31 March–5 April
Arun Shukla	Experimental Biology 2019: American Society for Pharmacology and Experimental Therapeutics Annual Meeting 2019	US-Orlando, FL	6–9 April
Emmanuelle Bayer	Botanical Microscopy 2019	GB-Oxford	14–18 April
Paola Picotti	EMBO Workshop on Protein Quality Control: From Mechanisms to Disease	ES-Paguera, Mallorca	28 April–3 May
Magdalini Polymenidou	EMBO Workshop on Protein Quality Control: From Mechanisms to Disease	ES-Paguera, Mallorca	28 April–3 May
Naoko Mizuno	Fibronectin, Integrins and Related Molecules Gordon Research Conference – Extracellular Matrix and Integrins: Regulation of Cell and Tissue Function	IT-Lucca	5–10 May
Pere Roca-Cusachs	Fibronectin, Integrins and Related Molecules Gordon Research Conference – Extracellular Matrix and Integrins: Regulation of Cell and Tissue Function	IT-Lucca	5–10 May
Dahai Luo	32nd International Conference on Antiviral Research	US-Baltimore, MD	12–15 May
Minhajuddin Sirajuddin	British Microtubule Meeting, 2019	GB-Edinburgh	13 May
Filipe Cabreiro	Junior Microbiologists Meeting of Marseille, 5th Edition	FR-Marseille	15–17 May
Kikue Tachibana-Konwalski	Gordon Research Conference Germinal Stem Cell Biology 2019	HK-Hong Kong	19–24 May
Ivan Matic	PARP2019: New Avenues in Basic and Translational PARP Research	HU-Budapest	20–23 May
Luca Giorgetti	The Genome in Three Dimensions	GR-Kyllini	20–24 May
Jochen Rink	Molecular Mechanisms of Tissue Injury, Repair and Fibrosis	GR-Spetses	23–31 May
Massimiliano Mazzone	Neural Guidance Molecules in Development and Disease	IT-Baveno	25–28 May
Elena Seiradake	Neural Guidance Molecules in Development and Disease	IT-Baveno	25–28 May
Jeremy Carlton	EMBO Workshop on Cell Polarity and Membrane Dynamics	ES-Sant Feliu de Guixols	26–31 May
Pere Roca-Cusachs	EMBO Workshop on Cell Polarity and Membrane Dynamics	ES-Sant Feliu de Guixols	26–31 May
Ana Jesus Garcia Saez	2nd Cell Death, Cell Stress and Metabolism Conference	MX-Puerto Vallarta	27–30 May



### EMBO Young Investigator Lectures 2019

Young Investigator	Conference	Location	Date
Nolwenn <b>Jouvenet</b>	EMBO Workshop on Antigen Processing and Presentation (APP 2019)	FR-Paris	30 May–2 June
Petr <b>Broz</b>	Conference on Molecular Mechanisms of Inflammation	NO-Trondheim	3–6 June
Bungo <b>Akiyoshi</b>	Inaugural Trieste Cell Cycle Meeting	IT-Trieste	3–6 June
Ross <b>Chapman</b>	Inaugural Trieste Cell Cycle Meeting	IT-Trieste	3–6 June
Magdalini <b>Polymenidou</b>	Protein Aggregation From Structural Variants to in Vivo Sequelae	US-Snowmass, CO	9–14 June
Ana Jesus <b>Garcia Saez</b>	Molecular Organization, Function and Dynamics of Biomembranes	FR-Cargèse	10–20 June
Jan <b>Rehwinkel</b>	SIBBM 2019: Frontiers in Molecular Biology Nucleic Acid Immunity: From Cellular Mechanisms to New Technologies	IT-Bologna	11–13 June
Guadalupe <b>Sabio</b>	Novel Concept of Niche–Directed Cancer Therapies	DE-Frankfurt	13–14 June
Annika <b>Guse</b>	Gordon Research Conference "Animal-Microbe-Symbiosis as Nested Ecosystems"	US-Mount Snow, UT	16–21 June
Martin <b>Pilhofer</b>	European Workshop on Bacterial Protein Toxins, ETOX 2019	CH-Davos	22–26 June
Jeffrey <b>Chao</b>	FASEB Intracellular RNA Localization and Local Translation	US-Snowmass, CO	30 June–5 July
Halyna <b>Shcherbata</b>	FASEB Intracellular RNA Localization and Local Translation	US-Snowmass, CO	30 June–5 July
Martin <b>Jinek</b>	PSB Symposium "Macromolecules in Action"	FR-Grenoble	4–5 July
Elena <b>Seiradake</b>	PSB Symposium "Macromolecules in Action"	FR-Grenoble	4–5 July
Gaëlle <b>Legube</b>	FASEB Conference on Genetic Recombination and Genome Rearrangements	US-Steamboat Springs, CO	14–19 July
Joao <b>Matos</b>	FASEB Conference on Genetic Recombination and Genome Rearrangements	US-Steamboat Springs, CO	14–19 July
Nicolas <b>Plachta</b>	Gordon Research Conference Fertilization and Activation of Development	US-Holderness, NH	28 July–2 August
Anthony <b>Roberts</b>	The Biology of Cilia and Flagella	US-Snowmass, CO	4–9 August
Kristin <b>Tessmar-Raible</b>	Fourth International Conference on Invertebrate Vision	SE-Fjälkinge	5–12 August
Manuel <b>Valiente</b>	SNO Inaugural Conference on Brain Metastases	US-New York City, NY	16–17 August
Kikue <b>Tachibana-Konwalski</b>	EMBO Conference on Meiosis	FR-La Rochelle	24–29 August
Carmine <b>Settembre</b>	EMBO Workshop on Autophagy: "From Molecular Principles to Human Diseases"	GB-Crief	26–30 August
Marek <b>Basler</b>	The New Microbiology	GR-Spetses	4–12 September
Yogesh <b>Kulathu</b>	The Ubiquitin System: Biology, Mechanisms and Roles in Disease	HR-Cavtat	13–17 September
Pablo <b>Huertas</b>	Conference Jacques Monod, Genome Instability: "When RNA Meets Chromatin"	FR-Roscoff	16–20 September
Maria Teresa <b>Teixeira</b>	Conference Jacques Monod, Genome Instability: "When RNA Meets Chromatin"	FR-Roscoff	16–20 September

### EMBO Young Investigator Lectures 2019

Young Investigator	Conference	Location	Date
Alessandro <b>Vannini</b>	2019 FEBS Workshop in Chromatin Proteomics	GR-Heraklion	22–27 September
Xiaoqi <b>Feng</b>	Mechanisms and Evolution of Intergenerational Change 2019	GB-Hinxton	24–26 September
Guadalupe <b>Sabio</b>	2019 International Retinoblastoma Conference	US-Charleston, SC	29 September–3 October
Ana Jesus <b>Garcia Saez</b>	Cell Death in Immunity and Inflammation	GR-Crete	6–9 October
Dario Riccardo <b>Valenzano</b>	Latin American Genetics Conference (ALAG2019)	AR-Mendoza	6–9 October
Sophie <b>Polo</b>	EMBO Workshop on Histone Chaperones: Structure, Function and Role in Development and Disease	GR-Crete	6–11 October
Stefan <b>Ameres</b>	5th Annual Meeting of the Danish RNA Society: "From Basic Research to Industrial Applications"	DK-Copenhagen	7 October
Ross <b>Chapman</b>	EMBO Workshop "The DNA-Damage Response in Cell Physiology and Disease"	GR-Cape Sounio	7–11 October
Pablo <b>Huertas</b>	EMBO Workshop "The DNA-Damage Response in Cell Physiology and Disease"	GR-Cape Sounio	7–11 October
Nicole <b>Joller</b>	9th International Conference on Autoimmunity: Mechanisms and Novel Treatments	GR-Crete	12–17 October
Jerome <b>Gros</b>	6th Tri-Regional Stem Cell & Developmental Biology Meeting	FR-Ilkirch	18 October
Alvaro <b>Rada-Iglesias</b>	European Developmental Biology Congress	ES-Alicante	23–26 October
Nathalie <b>Rochefort</b>	The Operating Regime of Neural Circuits as a Determinant for Computations	US-Ashburn, VA	3–6 November
Sophie <b>Polo</b>	Joint LV Annual SAIB Meeting and XIV PABMB Conference	AR-Salta	5–8 November
Emmanuelle <b>Bayer</b>	Plants in a Changing World–Integration of Photosynthesis, Adaptation and Development	FI-Helsinki	6–8 November
Marek <b>Basler</b>	Bacterial Morphogenesis, Survival and Virulence 2019 (BMSV19)	ZA-Cape Town	24–28 November
Jan-Willem <b>Veening</b>	Bacterial Morphogenesis, Survival and Virulence 2019 (BMSV19)	ZA-Cape Town	24–28 November
Arun <b>Shukla</b>	ASCEPT-PAGANZ 2019 Joint Scientific Meeting–Molecular Control of G Protein-Coupled Receptor Efficacy	NZ-Queenstown	25–29 November
Christophe <b>Dessimoz</b>	21st EMBL PhD Symposium on "Facing the Future–Perspectives and Challenges of Life Sciences in the 21st Century"	DE-Heidelberg	28–30 November
Julie <b>Welburn</b>	ASCB/EMBO 2019 Meeting	US-Washington DC	7–11 December
Nathalie <b>Rochefort</b>	6th International Workshop on Technologies for Optogenetics and Neurophotonics–OPTOGEN2019	IT-Venice	11–13 December

# EMBO Installation Grants

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[yip@embo.org](mailto:yip@embo.org)

EMBO Installation Grants support early-career scientists establishing independent laboratories in one of six participating EMBC Member States that fund their respective grantees. At present, the Czech Republic, Estonia, Lithuania, Poland, Portugal and Turkey accept Installation Grant applications with the aim of strengthening the life sciences in these countries.

Gerlind Wallon  
Programme Manager

## EMBO Installation Grant Recipients 2019

Name	Nationality	Moving from	Moving to	Research interest
Panagiotis Alexiou	Greek	Masaryk University, Brno, Czech Republic	Masaryk University, Brno, Czech Republic	Deep learning for genomic and transcriptomic pattern identification
Yusuke Azuma	Japanese	Jagiellonian University, Krakow, Poland	Jagiellonian University, Krakow, Poland	Engineered bacterial compartments for protein design and production
Peter Draber	Czech	Institute of Molecular Genetics of the ASCR, Prague, Czech Republic	BIOCEV, First Faculty of Medicine, Charles University, Vestec, Czech Republic	Search for new therapeutic targets to modulate the immune system
Ezgi Karaca	Turkish	Dokuz Eylul University, Izmir, Turkey	Dokuz Eylul University, Izmir, Turkey	Identification of Pioneer Transcription Factor Binding Modes to Chromatin
Rafal Mostowy	Polish	Jagiellonian University, Krakow, Poland	Jagiellonian University, Krakow, Poland	Co-evolution between bacterial capsules and phage tails
Aleksandra Pekowska	Polish	National Institute of Health, Bethesda, Maryland, USA	Nencki Institute of Experimental Biology, Warsaw, Poland	Evolutionary and functional genomics of astrocytes
Pedro Sousa-Victor	Portuguese	João Lobo Antunes Institute of Molecular Medicine, Lisbon, Portugal	João Lobo Antunes Institute of Molecular Medicine, Lisbon, Portugal	Mechanisms of tissue ageing and repair: roadblocks to stem cell-based therapies
Grzegorz Sumara	Polish	Rudolf Virchow Center for Experimental Biomedicine, Würzburg, Germany	Nencki Institute of Experimental Biology, Warsaw, Poland	Signaling cascades in metabolic diseases
Piotr Szwedziak	Polish	University of Warsaw, Poland	ReMedy+ Foundation, Warsaw, Poland	Cellular architecture of Archaea in the context of eukaryogenesis
Gunes Unal	Turkish	Bogazici University, Istanbul, Turkey	Bogazici University, Istanbul, Turkey	Chemogenetic Investigation of Basal Forebrain Input to the Amygdaloid Complex
Bahar Degirmenci Uzun	Turkish	Bilkent University, Ankara, Turkey	Bilkent University, Ankara, Turkey	The roles of primary cilia and intestinal stem cell niche in obesity

# EMBO Global Investigators Network

[www.embo.org/funding-awards/global-investigators](http://www.embo.org/funding-awards/global-investigators)

[global@embo.org](mailto:global@embo.org)

The Global Investigator Network was created in 2019 with the aim to support the next generation of scientific leaders that have set up their laboratories in EMBC Associate Member States or in countries and territories covered by a co-operation agreement. EMBO Global Investigators are provided with opportunities to interact with other researchers based in the same region and with those based in Europe, allowing for the establishment of new collaborations.

Gerlind Wallon  
Programme Manager

## EMBO Global Investigators 2019

Name	Nationality	Institute	Research interest	Country	Gender
Santosh Chauhan	Indian	Institute of Life Sciences, Bhubaneswar	Autophagy, inflammation, and the crosstalk	IN	M
Yen-Ping Hsueh	Taiwanese	Academia Sinica, Taipei	Molecular interactions and coevolution between carnivorous fungi and nematodes	TW	F
Yansong Miao	Chinese	Nanyang Technological University Singapore	Phase separation and mechanical regulation of actin assembly in plant signalling	SG	M
Dimple Notani	Indian	National Centre for Biological Sciences, Bangalore	Dissecting enhancer mechanisms in signalling context	IN	F
Timothy Saunders	British	National University of Singapore	Biochemical and biomechanical processes guiding organ formation	SG	M
Meng How Tan	Singaporean	Nanyang Technological University Singapore	ADAR gene regulatory network in human development and diseases	SG	M
Isheng Jason Tsai	Taiwanese	Academia Sinica, Taipei	Ecology, evolution and genetics of fungi and nematodes	TW	M
Jyothilakshmi Vadassery	Indian	National Institute of Plant Genome Research, Delhi	Calcium channels in plant defense against insect herbivory	IN	F
Maria-Isabel Yuseff	Chilean	Pontifical Catholic University of Chile, Santiago de Chile	Cell biological control of immune responses	CL	F

# EMBO Courses & Workshops

[www.embo.org/funding-awards/courses-workshops](http://www.embo.org/funding-awards/courses-workshops)

[courses\\_workshops@embo.org](mailto:courses_workshops@embo.org)

Through the Courses & Workshops Programme, EMBO supports and encourages the sharing of scientific knowledge and skills across all career stages and disciplines in the life sciences. EMBO funds over 90 scientific events every year, which are organised by some of the leading scientists in their fields and attract more than 11,000 participants annually.

Gerlind Wallon  
Programme Manager

## EMBO Courses | Workshops | Conferences | Symposia 2019

	Title	Organizer	Location	Dates
<b>Practical Courses 2019</b> EMBC Member States	Optogenetics: From design to cell signalling to tissue morphogenesis	S. De Renzis	DE-Heidelberg	25–29 March
	Population genomics: Background, tools and programming	V. Colonna	IT-Procida	30 March–6 April
	High-accuracy CLEM: Applications at room temperature and in cryo	M. Schorb	DE-Heidelberg	7–12 April
	The 2019 whole-cell modeling summer school	M. Lluch Senar	ES-Barcelona	7–13 April
	Research to service: Planning and running a bioinformatics core facility	E. Karaca	TR-Izmir	8–12 April
	Characterisation of post-translational modifications in cellular signalling	M.R. Larsen	DK-Odense	2–9 May
	Quantitative proteomics: Strategies and tools to probe biology	J. Krijgsveld	DE-Heidelberg	5–10 May
	Single cell omics	Q. Deng	DE-Heidelberg	12–18 May
	Extracellular vesicles: From biology to biomedical applications	A. Hendrix	DE-Heidelberg	2–7 June
	High-throughput protein production and crystallization	N. Burgess-Brown	UK-Didcot	10–19 June
	Advanced methods of electron microscopy in cell biology	J. Nebesarova	CZ-České Budějovice	10–20 June
	Microbial metagenomics: A 360° approach	J.E. González-Pastor	DE-Heidelberg	12–19 June
	Bioinformatics and genome analyses	C. Donati	IT-San Michele all'Adige	16–30 June
	Breathless microbes: Techniques and theory in anaerobic microbiology	C. Welte	NL-Wageningen	1–5 July
	Developmental neurobiology: From worms to mammals	C. Kiecker	UK-London	7–20 July

## EMBO Courses | Workshops | Conferences | Symposia 2019

	Title	Organizer	Location	Dates
<b>Practical Courses 2019</b> EMBC Member States <i>(continued)</i>	Integrative and cellular structural biology	M. Nilges	FR-Paris	8–13 July
	Structure, dynamics and function of biological macromolecules by NMR	M. Sattler	DE-Garching	26 July–2 August
	Mouse genome engineering	M. Sarov	DE-Dresden	25 August–6 September
	Image processing for cryo-electron microscopy	H.R. Saibil	UK-London	2–12 September
	Current methods in cell biology	A. Diz-Muñoz	DE-Heidelberg	8–17 September
	Synthetic biology in action: Bridging natural/non-natural	V. de Lorenzo	DE-Heidelberg	15–22 September
	Metabolomics bioinformatics in human health	R. Salek	FR-Lyon	16–20 September
	Small angle neutron and X-ray scattering from biomacromolecules in solution	F. Gabel	FR-Grenoble	23–27 September
	Humanized mice in biomedicine: Challenges and innovations	R. Stripecke	DE-Heidelberg	3–8 November
	Practical integrative structural biology	J. Kosinski	DE-Hamburg	3–9 November
	Targeted proteomics: Experimental design and data analysis	E. Sabidó	ES-Barcelona	10–15 November
	The fundamentals of high-end cell sorting	D. Ordonez	DE-Heidelberg	11–15 November
	Methods for analysis of circular RNAs: No tautology	V. Benes	DE-Heidelberg	17–22 November
	<b>Practical Courses 2019</b> EMBC Associate Member State	Computational analysis of protein-protein interactions in cell function and disease	S. Gosavi	IN-Bangalore
Functional live imaging of plants		A. Maizel	JP-Nagoya	21–30 May
<b>Workshops 2019</b> EMBC Member States	B-cell development and leukemia	A. Borkhardt	ES-Salamanca	8–11 March
	Visualizing biological data (VIZBI 2019)	S. O'Donoghue	DE-Heidelberg	13–15 March
	Current advances in protein translocation across membranes	R. Erdmann	ES-Sant Feliu de Guixols	23–27 March
	Pathogen immunity and signalling	J. Rehwinkel	UK-Oxford	1–5 April
	Genome dynamics in neuroscience and aging	Y. Shiloh	IL-Herzliya	7–11 April

## EMBO Courses | Workshops | Conferences | Symposia 2019

	Title	Organizer	Location	Dates
<b>Workshops 2019</b> EMBC Member States (continued)	Organ crosstalk in energy balance and metabolic disease	G. Sabio	ES-Chiclana de la Frontera	8–11 April
	Toxin-antitoxin systems in bacteria	S. Helaine	UK-Windsor	15–17 April
	Protein quality control: From mechanisms to disease	B. Bukau	ES-Costa de la Calma	28 April–3 May
	Chromatin and epigenetics	A. Akhtar	DE-Heidelberg	1–4 May
	Cell biology of the neuron: Polarity, plasticity and regeneration	F. Bradke	GR-Heraklion	7–10 May
	Chromosome segregation and aneuploidy	L. Jansen	PT-Cascais	11–15 May
	Caveolae and nanodomains: Translating structural principles and dynamics into function	C. Lamaze	FR-Le Pouliguen	12–16 May
	Awakening of the genome: The maternal-to-zygotic transition	P. Svoboda	CZ-Prague	15–18 May
	Mesenchymal cells in inflammation, immunity and cancer	G. Kollias	GR-Athens	19–23 May
	ThymE: T cell and thymus biology	J. Abramson	IL-Rehovot	19–24 May
	The genome in three dimensions	A. Papantonis	GR-Kyllini	20–24 May
	Neural guidance molecules in development and disease	L. Tamagnone	IT-Baveno	25–28 May
	Cell polarity and membrane dynamics	S. Iden	ES-Sant Feliu de Guixols	26–31 May
	Antigen processing and presentation 10 (APP 10)	A. Hosmalin	FR-Paris	30 May–2 June
	Bacterial cell division: Closing the gap	T. Den Blaauwen	SE-Lund	9–12 June
	Synergy of experiment and computation in quantitative systems biology	J. Carey	CZ-Nové Hradý	23–28 June
	Limb development and regeneration: New tools for a classic model system	J. Sharpe	ES-Barcelona	2–5 July
	The molecular life of diatoms	T. Mock	UK-Norwich	14–18 July
	Fission yeast	J. Ayte	ES-Barcelona	14–19 July
	Molecular and population biology of mosquitoes and other disease vectors	G. Christophides	GR-Chania	22–26 July
Meiosis 2019	C. Mézard	FR-La Rochelle	25–29 August	
Autophagy: From molecular principles to human diseases	K.M. Ryan	UK-Crieff	26–30 August	

## EMBO Courses | Workshops | Conferences | Symposia 2019

	Title	Organizer	Location	Dates
<b>Workshops 2019</b> EMBC Member States (continued)	CD1-MR1: Beyond MHC restricted lymphocytes	P. Klenerman	UK-Oxford	1–5 September
	Bacterial networks (BacNet19)	K. Jung	ES-Sant Feliu de Guixols	1–6 September
	The physics and chemistry of endocytosis at multiple scales	A. Roux	IT-Ischia	1–6 September
	Protein synthesis and translational control	F. Gebauer Hernández	DE-Heidelberg	4–7 September
	Network inference in biology and disease	C. Neri	IT-Naples	10–13 September
	Organization of bacterial and eukaryotic genomes by SMC complexes	J.-M. Peters	AT-Vienna	10–13 September
	The ubiquitin system: Biology, mechanisms and roles in disease	C. Joazeiro	HR-Cavtat	13–17 September
	Molecular mechanisms of unconventional protein secretion in eukaryotic cells	M.T. Pallotta	IT-Assisi	16–18 September
	DNA topology and topoisomerases in genome dynamics	F. Cortés Ledesma	CH-Les Diablerets	16–20 September
	Beyond the standard: Non-model vertebrates in biomedicine	G.R. Lewin	DE-Berlin	17–20 September
	Creating is understanding: Synthetic biology masters complexity	J.L. Faulon	DE-Heidelberg	22–25 September
	Lipid function in health and disease	K. Simons	DE-Dresden	27–30 September
	RNP network dynamics in development and disease	J. Ule	SI-Ljubljana	29 September–2 October
	Cell death in immunity and inflammation	M. Pasparakis	GR-Crete	6–9 October
	Histone chaperones: Structure, function and role in development and disease	J. Tyler	GR-Crete	6–10 October
	Tools for structural biology of membrane proteins	C. Löw	DE-Hamburg	7–9 October
	The DNA-damage response in cell physiology and disease	M. Tarsounas	GR-Attica	7–11 October
	Comparative genomics of eukaryotic microbes: Genomes in flux, and flux between genomes	K.H. Wolfe	ES-Sant Feliu de Guixols	14–19 October
	The impact of bacterial infections on human cancer	T.F. Meyer	DE-Berlin	26–29 October
	Precision health: Molecular basis, technology and digital health	L. Steinmetz	DE-Heidelberg	13–16 November
Proteostasis: From organelles to organisms	C. Adrain	PT-Ericeira	15–19 November	

**EMBO Courses | Workshops | Conferences | Symposia 2019**

	Title	Organizer	Location	Dates
<b>Workshops 2019</b> EMBC Associate Member States	Molecular neuroscience: From genes to circuits in health and disease	H. Ghosh	IN-Bangalore	4–7 February
	Intrinsically disordered proteins: From molecules to systems	H. Atreya	IN-Bangalore	8–13 December
<b>Workshops 2019</b> Co-operation Partner Countries	Exploring genomic landscapes	M. Allende	CL-San Pedro de Atacama	10–12 January
	Bridging cell and tissue mechanics to fate specification in development	M. Concha	CL-Santiago	2–5 April
	Emerging concepts of the neuronal cytoskeleton	C. Gonzalez-Billault	CL-Villarrica	14–18 April
	Integrative biology: From molecules to ecosystems in extreme environments	E. Schirmer	CL-Santiago	22–25 April
<b>Workshops 2019</b> Non-EMBC Member States	Membrane shaping and remodeling by proteins	J. Hu	CN-Xiu Ning	11–14 April
	Single cell biology	P. Carninci	JP-Tokyo	20–22 May
<b>EMBO   FEBS Lecture Courses 2019</b>	Molecular mechanisms of tissue injury, repair and fibrosis	S. Rose-John	GR-Spetses Island	23–31 May
	Venice summer school 2019: Mechanism in development and evolution	J. Jaeger	IT-Venice	26–30 August
	The new microbiology	P. Cossart	GR-Spetses Island	4–12 September
	The Hydra XIV European summer school on stem cell biology and regenerative medicine	A. Smith	GR-Hydra	15–22 September
	Mitochondria in life, death and disease	A. Trifunovic	ME-Herceg Novi	24–28 September
<b>EMBO Global Exchange Lecture Courses 2019</b> Co-operation Partner Countries	Small brains, big ideas	J. Sierralta	CL-Las Cruces	5–13 April
	Structural and biophysical methods for biological macromolecules in solution	D. Svergun	CL-Santiago	14–20 October
<b>EMBO   EMBL Symposia 2019</b> EMBC Member States	Synthetic morphogenesis: From gene circuits to tissue architecture	S. De Renzis	DE-Heidelberg	17–20 March
	Reconstructing the human past: Using ancient and modern genomics	J. Krause	DE-Heidelberg	31 March–3 April

**EMBO Courses | Workshops | Conferences | Symposia 2019**

	Title	Organizer	Location	Dates
<b>EMBO   EMBL Symposia 2019</b> EMBC Member States (continued)	Probing neural dynamics with behavioural genetics	L. Rondi-Reig	DE-Heidelberg	10–13 April
	The identity and evolution of cell types	H. Kaessmann	DE-Heidelberg	15–18 May
	Mechanical forces in development	F. Schnorrer	DE-Heidelberg	3–6 July
	New approaches and concepts in microbiology	A. Typas	DE-Heidelberg	10–13 July
	Multiomics to mechanisms: Challenges in data integration	J. Zaugg	DE-Heidelberg	11–13 September
	Systems genetics: From genomes to complex traits	B. Lehner	DE-Heidelberg	29 September–2 October
	Seeing is believing: Imaging the molecular processes of life	J. Ellenberg	DE-Heidelberg	9–12 October
	The non-coding genome	J. Vogel	DE-Heidelberg	16–19 October
	Metabolism meets epigenetics	A.G. Ladurner	DE-Heidelberg	20–23 November
<b>India   EMBO Symposia 2019</b>	Regulatory epigenomics: From large data to useful models	R. Siddharthan	IN-Chennai	10–13 March
	Sensing and signalling in plant stress response	A. Pareek	IN-New Delhi	15–17 April
	Human microbiome: Resistance and disease	S. Mukherjee	IN-Kalyani	9–12 November

# EMBO Keynote Lectures

[www.embo.org/funding-awards/lecture-grants](http://www.embo.org/funding-awards/lecture-grants)

[courses\\_workshops@embo.org](mailto:courses_workshops@embo.org)

EMBO funds keynote lectures given by its members and associate members at international scientific conferences. The aim of the lectures is to support the exchange of scientific knowledge, support members in forming and maintaining scientific networks and collaborations, and to raise awareness of EMBO.

Gerlind Wallon  
Programme Manager

## EMBO Keynote Lectures 2019

	Name	Lecture Title	Location	Date
<b>Keynote Lectures 2019</b> EMBC Member States	Ronald N. Germain	Annual Biochemical Winter Meeting of the Norwegian Biochemical Society (NBS)	NO-Røros	24–27 January
	Anna Akhmanova	LS2 Annual Meeting 2019: Cell Biology from Tissue to Nucleus	CH-Zurich	14–15 February
	Richard A. Flavell	EACR Conference Series: Defence is the Best Attack: Immuno-Oncology Breakthroughs	ES-Barcelona	11–13 March
	Robert A. Martienssen	Chromatin and Epigenetics: Inheritance and Design	DE-Neuherberg	1–3 April
	Geneviève Almouzni	Conférences Jacques Monod: Mitotic and Meiotic Cell Cycle Control and Execution	FR-Roscoff	8–12 April
	Uta Frith	The 2019 Festival of Neuroscience	IE-Dublin	14–17 April
	Howard Riezman	The 2019 FEBS Special Meeting on Sphingolipid Biology: Sphingolipids in Physiology and Pathology	PT-Cascais	6–10 May
	Carlos Caldas	EACR-ESMO Joint Conference: Liquid Biopsies	IT-Bergamo	15–17 May
	Pietro V. De Camilli	Cell dynamics: Organelle-Cytoskeleton Interface	PT-Lisbon	19–22 May
	Jennifer Lippincott-Schwartz	Cell dynamics: Organelle-Cytoskeleton Interface	PT-Lisbon	19–22 May
	Ottoline Leyser	Life2019	NL-Bunnik	28–29 May
	Fiona Powrie	The Second Conference on Molecular Mechanisms of Inflammation	NO-Trondheim	3–7 June
	Wieland B. Huttner	3rd International Meeting of the Trisomy 21 Research Society	ES-Barcelona	6–9 June
	Tom A. Rapoport	Molecular Organization, Function and Dynamics of Biomembranes	FR-Cargèse	10–20 June

## EMBO Keynote Lectures 2019

	Name	Lecture Title	Location	Date
<b>Keynote Lectures 2019</b> EMBC Member States (continued)	Bruce Alan Beutler	Novel Concepts in Innate Immunity	DE-Tübingen	12–14 June
	Rino Rappuoli	European Workshops on Bacterial Protein Toxins – ETOX19	CH-Davos	22–26 June
	Amos Tanay	4th EACR Conference Cancer Genomics	UK-Cambridge	23–26 June
	Kenneth H. Wolfe	7th Conference on Physiology of Yeasts and Filamentous Fungi	IT-Milano	24–27 June
	Jane E. Parker	IS-MPMI International Congress on Molecular Plant Microbe Interactions	UK-Glasgow	14–18 July
	Luca Jovine	32nd European Crystallographic Meeting	AT-Vienna	18–23 August
	Botond Roska	18th National Congress of the Spanish Society of Neuroscience (SENC)	ES-Santiago de Compostela	4–6 September
	Arturo Zychlinsky	The New Microbiology	GR-Spetses	4–12 September
	Irene Miguel-Aliaga	European Drosophila Research Conference (EDRC) 2019	CH-Ecublens	5–8 September
	Yosef Shiloh	Cellular Senescence: the Bright and the Dark Side	GR-Athens	9–12 September
	Roberto Solano	International Conference on Plant Proteostasis 2019	DE-Freiburg	10–13 September
	Maya Schuldiner	Engineering Life: From Origins to Organs	DE-Dresden	11–13 September
	René Bernards	EACR Conference Series Nanotechnology in Cancer: Engineering for Oncology	UK-Cambridge	12–14 September
	Cédric Blanpain	EMBO   FEBS Lecture Course Hydra XIV European Summer School on Stem Cell Biology and Regenerative Medicine	GR-Hydra	15–22 September
	Marco Foiani	Genome Instability: when RNA Meets Chromatin	FR-Roscoff	16–20 September
	Bruce Beutler	ABCD Meeting 2019	IT-Bologna	18–21 September
	Amanda Fisher	FEBS Advanced Lecture Course on Chromatin Proteomics 2019	GR-Fodele	22–27 September
	Antonella Viola	13th Meeting of the Slovenian Biochemical Society	SI-Dobrna	24–27 September
	Nils-Göran Larsson	EMBO   FEBS Lecture Course on Mitochondria in Life, Death and Disease	ME-Herceg Novi	24–28 September
	Cédric Blanpain	EACR Conference Series – Seed and Soil: Mechanisms of Metastasis	DE-Berlin	7–9 October

#### EMBO Keynote Lectures 2019

	Name	Lecture Title	Location	Date
<b>Keynote Lectures 2019</b> EMBC Member States <i>(continued)</i>	Gisou van der Goot	Endoplasmic Reticulum Meeting 2019 – From Basic Cell Biology to Translational Approaches: a Path to the Clinic	FR-Paris	9–11 October
	Ben Luisi	Cryo-electron Microscopy in Structural Biology: Paving the Way Towards Precision Biomedicine and Biotechnology	IT-Rome	10–11 October
	Denis Duboule	European Developmental Biology Congress (EDBC 2019)	ES-Alicante	23–26 October
	Manuel Serrano	New Concepts in Age-related Cardiovascular Disease	ES-Madrid	24–26 October
	Christiane Nüsslein-Volhard	From Genes to Organisms: Transcriptional Control in Development and Disease	ES-Baeza	28–30 October
	Varda Rotter	4th International p53 Isoforms Meeting and 9th International p64/p73 Workshop	HR-Dubrovnik	3–6 November
	Laura Machesky	Actin-based Mechanosensation and Force Generation in Health and Disease	ES-Baeza	11–13 November
	Anthony Hyman	21st EMBL PhD Symposium: Facing the Future – Perspectives and Challenges of Life Sciences in the 21st Century	DE-Heidelberg	28–30 November
	Jean-Pierre Changeux	16th International Symposium on Cholinergic Mechanisms (ISCM-XVI)	IL-Rehovot	8–13 December
	<b>Keynote Lectures 2019</b> EMBC Associate Member State	Tim Hunt	Cell Cycle and Cell Death	IN-Tiruvalla
<b>Keynote Lectures 2019</b> Non-EMBC Member States	Nenad Ban	44th Lorne Conference for Protein Structure and Function	AU-Lorne	10–14 February
	Jonas Frisén	2nd Neurogenesis Conference	BS-Nassau	5–8 March
	Stephan Grill	Hunter Cell Biology Meeting	AU-Lovedale	18–22 March
	Santiago F. Elena	14th International Plant Virus Epidemiology Symposium	KR-Seoul	13–17 May
	Christiane Nüsslein-Volhard	14th International Zebrafish Conference	CN-Suzhou	12–16 June
	Tom A. Rapoport	The Endoplasmic Reticulum (ER) Conference: From Unfolded Proteins to Disease	US-Snowmass	23–28 June

#### EMBO Keynote Lectures 2019

	Name	Lecture Title	Location	Date	
<b>Keynote Lectures 2019</b> Non-EMBC Member States <i>(continued)</i>	Bertrand Séraphin	mRNA Turnover: Mechanisms, Regulation and their Implication in Infectious and Age-Related Diseases	CA-Montreal	25–28 June	
	Elena Conti	Intracellular RNA Localization and Local Translation	US-Snowmass Village	30 June–5 July	
	Susan M. Gasser	FASEB Conference on Genetic Recombination and Genome Rearrangements	US-Steamboat Springs	14–19 July	
	Jane Langdale	FASEB Mechanisms in Plant Development Meeting	US-Olean	28 July–2 August	
	M. Angela Nieto	The TGF- $\beta$ Superfamily Conference: Signaling in Development and Disease	US-West Palm Beach	28 July–2 August	
	Luke O'Neill	14th World Congress on Inflammation	AU-Sydney	15–19 September	
	Pura Muñoz Cánoves	Frontiers in Myogenesis Meeting: Skeletal Muscle: Development, Regeneration and Disease	CR-San Jose	23–28 September	
	Paul Schulze-Lefert	15th Argentine Congress on Microbiology	AR-Ciudad Autónoma de Buenos Aires	25–27 September	
	Christine A. Orengo	ISCB-Africa ASBCB Conference on Bioinformatics	GH-Kumasi	11–15 November	
	Karen Vousden	Cell Signalling in Cancer Medicine	AU-Rowland Flat	12–15 November	
	Tracy Palmer	Bacterial Morphogenesis Survival and Virulence (BMSV) 2019	ZA-Noordhoek	24–28 November	
	Sophien Kamoun	Australasian Plant Pathology Society Conference 2019	AU-South Wharf	25–28 November	
	<b>Global Lecture Series 2019</b>	Michael Hall	Annual Meeting of the Chilean Society of Cell Biology	CL-Puerto Varas	25–29 November
		Sebastian Jessberger	Annual meeting of the Molecular Biology Society of Japan	JP-Fukuoka	3–6 December

# EMBO Gold Medal

[www.embo.org/funding-awards/gold-medal](http://www.embo.org/funding-awards/gold-medal)

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The EMBO Gold Medal is awarded annually to scientists under the age of 40 for outstanding contributions to the life sciences in Europe. Candidates are nominated by EMBO Members and selected by EMBO Council. The recipients of the 2019 EMBO Gold Medal were M. Madan Babu for his fundamental contributions to the field of computational molecular biology, and Paola Picotti for conceptual and technological breakthroughs in the mass spectrometric analysis of proteins and proteomes.

## EMBO Gold Medalists 1986 – 2019

1986	John Tooze	Heidelberg, DE	2000	Christof Niehrs	Heidelberg, DE	2012	Jiří Friml	Ghent, BE
1987	Barbara Pearse	Cambridge, UK		Daniel St. Johnston	Cambridge, UK	2013	Thijn Brummelkamp	Amsterdam, NL
1988	Antonio Lanzavecchia	Basel, CH	2001	Matthew Freeman	Cambridge, UK	2014	Sophie Martin	Lausanne, CH
1989	Hugh Pelham	Cambridge, UK	2002	Amanda Fisher	London, UK	2015	Ido Amit	Rehovot, IL
1990	Erwin Wagner	Vienna, AT	2003	Anthony Hyman	Dresden, DE		Sarah Teichmann	Cambridge, UK
1991	Patrick Stragier	Paris, FR	2004	María Blasco	Madrid, ES	2016	Richard Benton	Lausanne, CH
1992	Carl-Henrik Heldin	Uppsala, SE	2005	Dario Alessi	Dundee, UK		Ben Lehner	Barcelona, ES
1993	Jim Smith	London, UK	2006	Frank Uhlmann	London, UK	2017	Maya Schuldiner	Rehovot, IL
1994	Paolo Sassone-Corsi	Strasbourg, FR	2007	Jan Löwe	Cambridge, UK	2018	Marek Basler	Basel, CH
1995	Richard Treisman	London, UK	2008	James Briscoe	London, UK		Melina Schuh	Göttingen, DE
1996	Enrico Coen	Norwich, UK	2009	Gold Medal 2009 revoked in January 2016		2019	M. Madan Babu	Cambridge, UK
1997	Dirk Görlich	Heidelberg, DE	2010	Jason W. Chin	London, UK		Paola Picotti	Zurich, CH
1998	Adriano Aguzzi	Zurich, CH	2011	Simon Boulton	London, UK			
1999	Konrad Basler	Zurich, CH						

# EMBO Women in Science

[www.embo.org/science-policy/women-in-science](http://www.embo.org/science-policy/women-in-science)

[women@embo.org](mailto:women@embo.org)

EMBO is committed to monitoring gender balance in all its programmes and activities. In addition, EMBO develops initiatives to counteract gender imbalances and to raise awareness of issues facing women scientists as their careers advance.

Gerlind Wallon  
Manager

## Participation of women in EMBO activities: Statistics

### EMBO Courses & Workshops 2015 – 2019

(including EMBO | EMBL Symposia, EMBO | FEBS Lecture Courses, EMBO Conference Series, EMBO Global Exchange Lecture Courses, EMBO Practical Courses, EMBO Workshops)

Year	% women	% female speakers
2015	49	35
2016	49	35
2017	50	36
2018	51	37
2019*	49	40

\*2019 data represents 80% of the events

## EMBO Membership (including Associate Members)

Year	Total number of members	% Women
2015	1694	17.4
2016	1729	18.0
2017	1779	18.9
2018	1810	19.8
2019	1840	20.5



Participation of women in EMBO activities: Statistics

EMBO Short-Term Fellowships

		Applications	%	Awards	%	Success rate %
2015	Female applicants	240	60	116	60	48
	Male applicants	161	40	78	40	48
	<b>Overall</b>	<b>401</b>		<b>194</b>		<b>48</b>
2016	Female applicants	362	59	201	57	56
	Male applicants	256	41	149	43	58
	<b>Overall</b>	<b>618</b>		<b>350</b>		<b>57</b>
2017	Female applicants	335	57	170	60	51
	Male applicants	253	43	111	40	44
	<b>Overall</b>	<b>588</b>		<b>281</b>		<b>48</b>
2018	Female applicants	355	59	208	62	59
	Male applicants	243	41	129	38	53
	<b>Overall</b>	<b>598</b>		<b>337</b>		<b>56</b>
2019	Female applicants	322	58	199	57	62
	Male applicants	232	42	150	43	65
	<b>Overall</b>	<b>554</b>		<b>349</b>		<b>63</b>
2015 – 2019	Female applicants	1614	58	894	59	55
	Male applicants	1145	42	617	41	54
	<b>Overall</b>	<b>2759</b>		<b>1511</b>		<b>55</b>

Participation of women in EMBO activities: Statistics

EMBO Long-Term Fellowships

		Applications	%	Awards	%	Success rate %
2015	Female applicants	773	50	118	47	15
	Male applicants	776	50	134	53	17
	<b>Overall</b>	<b>1549</b>		<b>252</b>		<b>16</b>
2016	Female applicants	733	47	67	39	9
	Male applicants	828	53	103	61	12
	<b>Overall</b>	<b>1561</b>		<b>170</b>		<b>11</b>
2017	Female applicants	594	50	80	42	13
	Male applicants	596	50	109	58	18
	<b>Overall</b>	<b>1190</b>		<b>189</b>		<b>16</b>
2018	Female applicants	575	48	76	40	13
	Male applicants	625	52	114	60	18
	<b>Overall</b>	<b>1200</b>		<b>190</b>		<b>16</b>
2019	Female applicants	589	50	89	48	15
	Male applicants	600	50	95	52	16
	<b>Overall</b>	<b>1189</b>		<b>184</b>		<b>15</b>
2015 – 2019	Female applicants	3264	49	430	44	13
	Male applicants	3425	51	555	56	19
	<b>Overall</b>	<b>6689</b>		<b>985</b>		<b>16</b>

Participation of women in EMBO activities: Statistics

EMBO Young Investigator Programme

		Applications	%	Awards	%	Success rate %
2015	Female applicants	64	37	8	35	13
	Male applicants	111	63	15	65	14
	<b>Overall</b>	<b>175</b>		<b>23</b>		<b>13</b>
2016	Female applicants	65	30	9	36	14
	Male applicants	149	70	16	64	11
	<b>Overall</b>	<b>214</b>		<b>25</b>		<b>12</b>
2017	Female applicants	88	34	11	39	13
	Male applicants	169	66	17	61	10
	<b>Overall</b>	<b>257</b>		<b>28</b>		<b>11</b>
2018	Female applicants	74	38	11	42	15
	Male applicants	121	62	15	58	12
	<b>Overall</b>	<b>195</b>		<b>26</b>		<b>13</b>
2019	Female applicants	73	31	7	26	10
	Male applicants	161	69	20	74	12
	<b>Overall</b>	<b>234</b>		<b>27</b>		<b>12</b>
2015 – 2019	Female applicants	364	34	46	36	13
	Male applicants	711	66	83	64	12
	<b>Overall</b>	<b>1075</b>		<b>129</b>		<b>12</b>

Participation of women in EMBO activities: Statistics

EMBO Installation Grants

		Applications	%	Awards	%	Success rate %
2015	Female applicants	27	31	3	33	11
	Male applicants	59	69	6	67	10
	<b>Overall</b>	<b>86</b>		<b>9</b>		<b>11</b>
2016	Female applicants	19	28	2	29	11
	Male applicants	50	72	5	71	10
	<b>Overall</b>	<b>69</b>		<b>7</b>		<b>10</b>
2017	Female applicants	13	30	3	50	23
	Male applicants	31	70	3	50	10
	<b>Overall</b>	<b>44</b>		<b>6</b>		<b>14</b>
2018	Female applicants	15	31	4	40	27
	Male applicants	33	69	6	60	18
	<b>Overall</b>	<b>48</b>		<b>10</b>		<b>21</b>
2019	Female applicants	18	37	3	27	17
	Male applicants	31	63	8	73	26
	<b>Overall</b>	<b>49</b>		<b>11</b>		<b>22</b>
2015 – 2019	Female applicants	92	31	15	35	16
	Male applicants	204	69	28	65	14
	<b>Overall</b>	<b>296</b>		<b>43</b>		<b>15</b>

Participation of women in EMBO activities: Statistics

EMBO Global Investigator Network

		Applications	%	Awards	%	Success rate %
2019	Female applicants	11	28	4	44	36
	Male applicants	29	72	5	56	17
	<b>Overall</b>	<b>40</b>		<b>9</b>		<b>23</b>

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