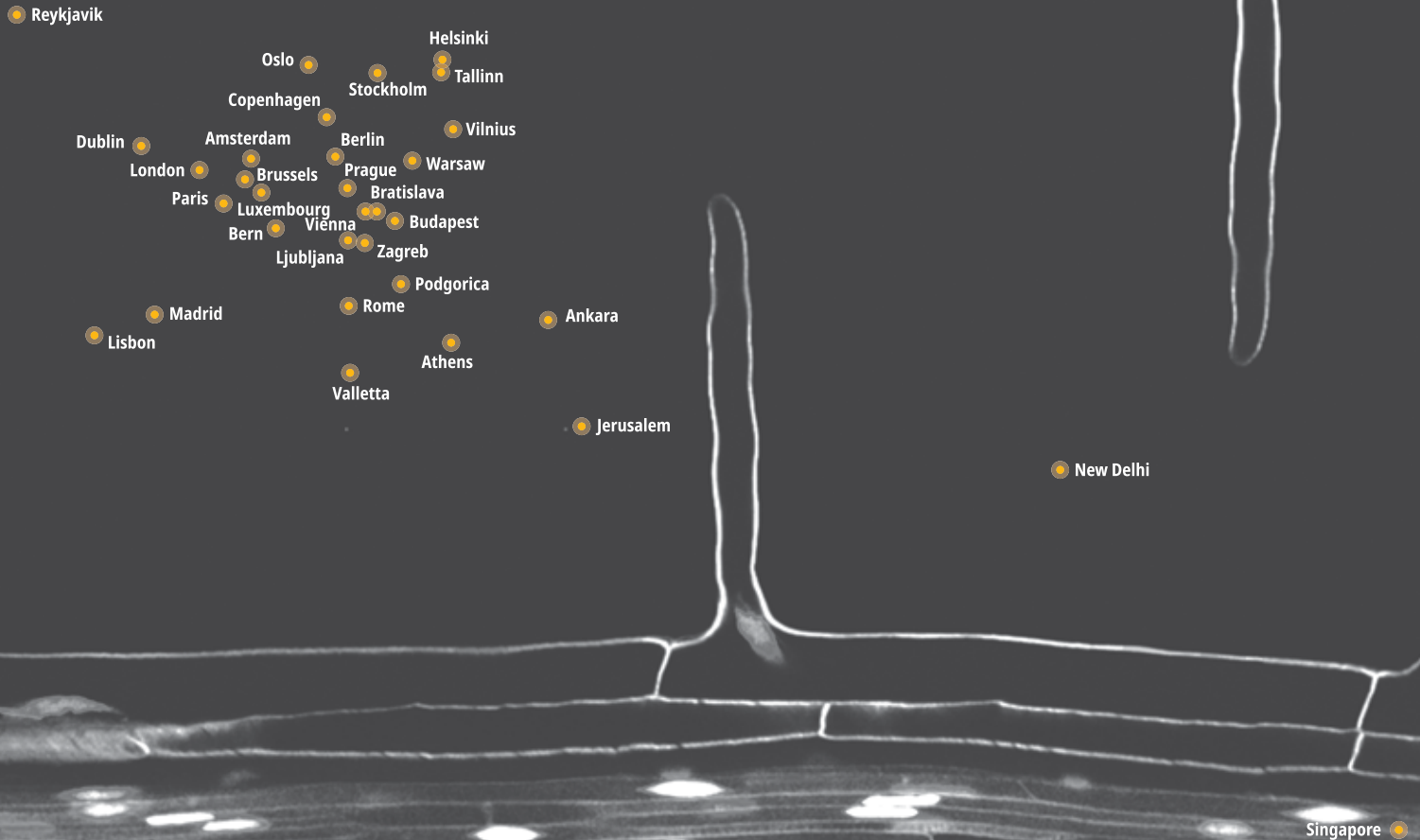


excellence in life sciences



EMBO 2020
facts & figures

HIGHLIGHTS 2020

Membership	63 life scientists from 25 countries were newly elected to the EMBO Membership.
Fellowships	150 EMBO Postdoctoral and 213 Short-Term Fellowships were awarded. EMBO Core Facility Fellowships were launched.
Young Investigators and Installation Grants	30 group leaders were selected as EMBO Young Investigators, and another nine scientists in the early stages of setting up their laboratories were selected as Installation Grantees. Nine scientists from Chile, India, Taiwan and Singapore became EMBO Global Investigators and joined the EMBO Young Investigator Network.
Courses & Workshops and other scientific meetings	Eight workshops and practical courses events were co-funded. As a response to the pandemic, organizers could postpone events scheduled to 2021. Guidelines and a platform for virtual meetings were developed.
Policy	Report on governance of research integrity.
Global Activities	Training webinars were launched in Chile, India and Taiwan.
Awards	Sarah-Maria Fendt and Markus Ralser were honored with the EMBO Gold Medal. EMBO and the Federation of European Biochemical Societies (FEBS) announced Elly Tanaka as the recipient of the 2020 FEBS EMBO Women in Science Award.
EMBO Press	EMBO Scientific Publications continued to shape best practice in scientific publishing through its 'Transparent Process' and contributions to Open Science, preprints and peer review.

EMBO facts & figures 2020

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.

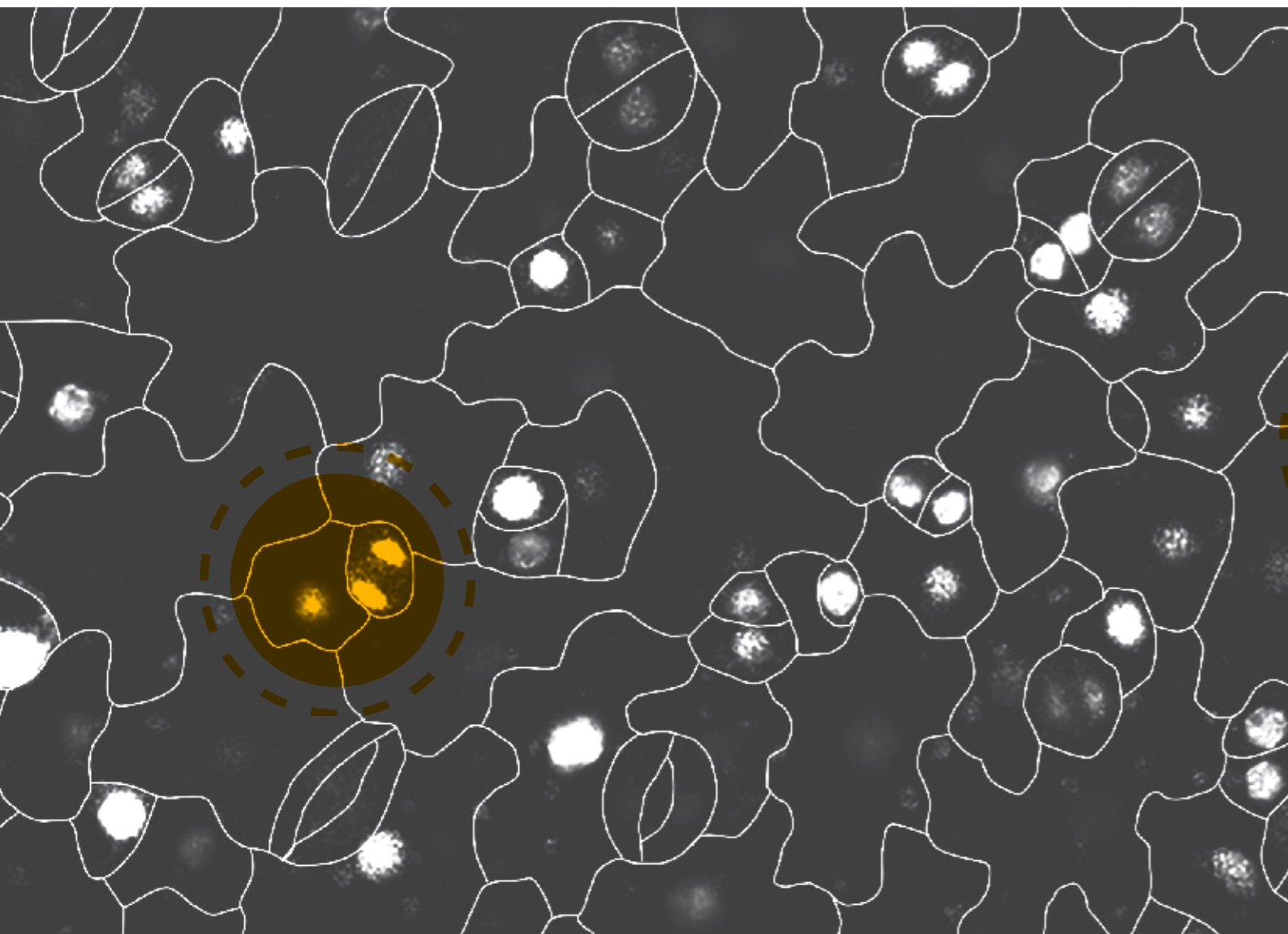


Table of contents

Preface	4 - 5
EMBO actions in 2020	6 - 7
EMBC actions in 2020	8 - 9

Facts & figures 2020

EMBC Member States	12 - 13
Delegates and Advisers	12
Financial contributions	13
EMBO Council & Committees	14 - 15
EMBO Council 2020	14
EMBO Committees 2020	15
EMBO Membership	16 - 19
EMBO Members 2020	16 - 18
EMBO Associate Members 2020	19
EMBO Scientific Publications	20 - 23
Advisory Editorial Boards & Editors of	
The EMBO Journal	20
EMBO Reports	21
Molecular Systems Biology	22
EMBO Molecular Medicine	23
EMBO Fellowships	24 - 70
EMBO Postdoctoral Fellowships	22 - 44
Statistics	24 - 25
Awards 2020	26 - 42
Geographical distribution 2020	43 - 44
EMBO Short-Term Fellowships	45 - 69
Statistics	45
Awards 2020	46 - 68
Geographical distribution 2020	69 - 70
Core Facility Fellowships	71

EMBO Young Investigators	72 - 76
Young Investigators 2020	72 - 74
Applications and awards 2016 - 2020	75
Lectures 2020	76
EMBO Installation Grants	77 - 78
Installation Grantees 2020	77
Global Investigators 2020	78
EMBO Courses & Workshops	79 - 80
Practical Courses 2020	79
Workshops 2020	79
EMBO FEBS Lecture Courses 2020	79
EMBO EMBL Symposia 2020	80
India EMBO Symposia	80
EMBO Keynote Lectures	81 - 82
Keynote Lectures 2020	81 - 82
EMBO Global Lecture Series	83
Global Lecture Series 2020	83
EMBO Gold Medal	84
Gold Medalists 1986 - 2020	84
EMBO Women in Science	85 - 89
Participation of women in EMBO activities: Statistics	85 - 89
EMBO Staff in Heidelberg	90 - 92



Maria Leptin
EMBO Director

Preface

The COVID pandemic has dominated our lives, and the ways in which scientists worked and interacted in 2020. They stepped up to the challenge, in some cases re-directing their research efforts, made significant advances in the understanding of SARS-CoV-2 biology, and developed diagnostic tests, therapies and vaccines. While I am writing this in May 2021, several licensed vaccines and rapid tests are in use around the world, providing hope for a return to our pre-pandemic lives.

The full societal, political and economic effects of the global crisis remain to be seen. I am glad that EMBO, thanks to funding from the EMBC, had the flexibility and freedom to help scientists through the pandemic by providing funding and developing creative solutions for continued scientific exchange.

Here we report on the EMBO Programmes and activities last year. In 2020, 52 new EMBO Members and eleven new Associate Members were elected. They can now help to shape the direction of European science by guiding the execution of the work that EMBO does.

EMBO awarded 150 Postdoctoral Fellowships to internationally mobile early-career scientists, and 213

Short-Term Fellowships to researchers from all career stages. In addition, we launched the EMBO Core Facility Fellowships. They fund international exchanges to train staff of core research facilities that provide services to research institutions or universities.

We welcomed group leaders in the early stages of setting up their laboratories, who joined the global network of current and former awardees. 30 EMBO Young Investigators were selected, eight scientists from Chile, India, Taiwan and Singapore became part of the EMBO Global Investigator Network, and nine scientists received Installation Grants to establish their laboratories in Chile, Lithuania, Poland, Portugal, and Turkey.

The Courses & Workshops Programme has been severely affected by the pandemic as many scientific meetings were postponed or cancelled. I was delighted to see that some conference organizers opted for virtual formats. EMBO funded eight workshops and practical courses, of which six were virtual in 2020. We also developed a new platform for virtual meetings to support organizers during the pandemic and, if they wish so, beyond.

I thank all EMBC Delegates, the EMBO Members who serve on Council and Committees, and the EMBO staff for their committed work to promote excellence in the life sciences in Europe and beyond.

Maria Leptin
EMBO Director



Leszek Kaczmarek
EMBC President

Preface

In the year of the SARS-CoV-2 pandemic, the great stability of the EMBC has proven itself. Thanks to the ongoing funding through the 30 EMBC Member States, the EMBO Programmes and activities were able to do their utmost to promote life scientists of all career levels in the EMBC Member States and beyond without interruption, and to cushion some of the disadvantages caused by the restrictions brought by the pandemic. This stability is based on the joint understanding that the international exchange of knowledge makes science strong.

In the ongoing debates on how to deal with the pandemic, the insight that the foundations for fighting the virus and saving lives are scientific findings has gained the upper hand. Numerous life scientists, including many EMBO Members or EMBO-funded scientists, had generated results before or a few months after the start of the pandemic, and exchanged them in record time through accelerated and new ways of publishing scientific findings. Stable and international financing models such as that through the EMBC form the basis for this.

EMBC and EMBO are also flexible and adapt to the changing needs of their member states and the scientists doing research there. Thanks to an expanded budget for 2020 to 2024 agreed upon by all EMBC Member States, the number of EMBO Postdoctoral Fellows funded could be kept constant. During the term of the fellowship, they are employees of the institutes at which they are conducting their research and thus receive all the social benefits existing in the country.

Actions in 2021 will particularly focus on the creation of new programmes, and the adaptation of existing programmes and activities, that help to increase participation of life scientists in and from EMBC Member States which have not yet fully participated in the EMBO Programmes. The Strategic Development Installation Grants Board and a strategic working group composed of EMBO Council members put the initiative forward, and I am very grateful for that. I am also expressing my sincere thanks to Gerrit van Meer for chairing the EMBC Working Group on this topic, to EMBC Delegates who have greatly contributed by presenting and discussing specific proposals, and to all EMBC Delegates for their final full support. I am looking very forward to this initiative.

Leszek Kaczmarek
EMBC President

EMBO actions 2020

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

→ EMBO OFFICERS & COUNCIL 2020

Paul Nurse

EMBO SECRETARY GENERAL

Carl-Henrik Heldin

CHAIR, EMBO COUNCIL

Titia Sixma

VICE CHAIR, EMBO COUNCIL

Karen Avraham

Adrian Bird

Matthew Freeman

Eileen Furlong

Crisanto Gutierrez

Michael Hall

Jürgen Knoblich

Michel Labouesse

Jiri Lukas

László Nagy

Maria Rescigno

Claudio Sunkel

Karen Vousden

MEMBERS OF EMBO COUNCIL

→ See page 14 for a detailed list of the 2020 EMBO Council

EMBO Membership and Council

| 63 life scientists were newly elected to the EMBO Membership. Their total number includes 52 EMBO Members residing in 18 EMBC Member States and 11 EMBO Associate Members working in Australia, Canada, Chile, India, Japan, Singapore, and the United States. They join a group of more than 1,800 of the best researchers in Europe and around the world. 44% of the newly elected members are female.

| Council elected Michael N. Hall as Chair and re-elected Titia Sixma as Vice Chair of EMBO Council for the year 2021.

| Matthew Freeman was re-elected, Deborah Bourc'his and David Baulcombe were newly elected as members of EMBO Council for the period 2021-2023.

| Michel Labouesse and Marta Miaczynska were co-opted as members of EMBO Council for the period 2021-2023.

EMBO Programmes and activities

| 150 EMBO Postdoctoral and 213 Short-Term Fellowships were awarded.

| EMBO Core Facility Fellowships were launched.

| 30 group leaders were selected as EMBO Young Investigators

| Another nine scientists in the early stages of setting up their laboratories were selected as Installation Grantees.

| Nine scientists from Chile, India, Taiwan and Singapore became EMBO Global Investigators and joined the EMBO Young Investigator Network.

| Eight workshops and practical courses events were co-funded. As a response to the pandemic, organizers could opt to postpone events to 2021. Guidelines and a platform for virtual meetings were developed

| EMBO Policy published the report of the project "Governance of research integrity: options for a coordinated approach". The report has been presented at several public and personal meetings which included leadership from organizations representing academic and national research integrity offices, and with representatives from the European Commission.

| In collaboration with EMBL and HHMI, EMBO organized a multi-day conference (October 2020, virtual) "Gender Roles and their impact in academia". Over 400 people worldwide registered.

| EMBO Policy launched community engagement activities

EMBO actions 2020

Other EMBO activities

| 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.

| For the COVID-19 crisis, EMBO Press developed a set of special policies and activities. These include deferred revisions and payments, the offer to publish reviewed papers that cannot be revised to merit publication in the primary journal chosen by the authors without additional revision in another EMBO Press journal, preprint posting, accepted paper pre-view and mandatory OA publication.

| EMBO developed the SDash application for authoring and sharing SmartFigures.

| EMBO developed automated large-scale mining of preprints with the SourceData artificial intelligence tools: Early Evidence Base.

| EMBO and EMBL held six joint EMBO | EMBL Symposia (one physically, five virtually).

| Together with the American Society for Cell Biology (ASCB), EMBO held Cell Bio 2020, a virtual meeting attended by more than 5,000 participants.

| Sarah-Maria Fendt and Markus Ralser were honored with the EMBO Gold Medal.

| EMBO and the Federation of European Biochemical Societies (FEBS) announced Elly Tanaka as the recipient of the 2020 FEBS | EMBO Women in Science Award.

Financial matters

| The EMBO Council approved the accounts for 2019 and the budgets for the EMBO activities for 2021. 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.

| EMBO and EMBC accounts were audited by KPMG.

→ EMBO COMMITTEE CHAIRS 2020

Peter Scheiffele

EMBO Membership Committee

Malcolm J. Bennett

EMBO Fellowship Committee

Zoi Lygerou

EMBO Course Committee

Christoph Dehio

EMBO Young Investigator Committee

Ivan Dikic

EMBO Publications Advisory Board

→ See pages 16-17 for a complete list of the 2020 committee members

→ EMBO Council Office

Sophia Hercus

Council_Office@embo.org

T +49 6221 8891 124

F +49 6221 8891 200

EMBC actions 2020

→ EMBC OFFICERS 2020

Leszek Kaczmarek POLAND
PRESIDENT

Lucia Banci ITALY
VICE PRESIDENT

Boris Turk SLOVENIA
VICE PRESIDENT

Anne Paoletti FRANCE
SECRETARY GENERAL

Elene Hoffert FRANCE
FINANCE COMMITTEE CHAIR

Barbara Ohnesorge GERMANY
FINANCE COMMITTEE VICE CHAIR

→ STRATEGIC WORKING PARTY 2020

Lucia Banci ITALY

Hemma Bauer AUSTRIA

Josiane Entringer LUXEMBOURG

Elena Hoffert FRANCE

Leszek Kaczmarek POLAND
CHAIR

Angela Nieto SPAIN

Barbara Ohnesorge GERMANY

Mark Palmer UNITED KINGDOM

Anne Paoletti FRANCE

Jale Şahin TURKEY

Eirikur Steingrímsson ICELAND

Boris Turk SLOVENIA

→ See page 12 for a list of all EMBC Delegates

The major decision and actions resulting from the meetings of the EMBC delegates (November 2020) are listed below. The Conference was supported by the EMBC Finance Committee (June 2020).

Election of officers for 2020

| EMBC elected Leszek Kaczmarek (PL) as President of EMBC.

| EMBC re-elected Lucia Banci (IT) and elected Virginijus Sikšnyš (LT) as Vice Presidents of EMBC.

| EMBC re-elected Anne Paoletti (FR) as Secretary General of EMBC.

| EMBC re-elected Elena Hoffert (FR) as Chair of the EMBC Finance Committee.

| EMBC re-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 2019.

| EMBC approved the budget for 2021.

EMBC actions 2020

→ 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

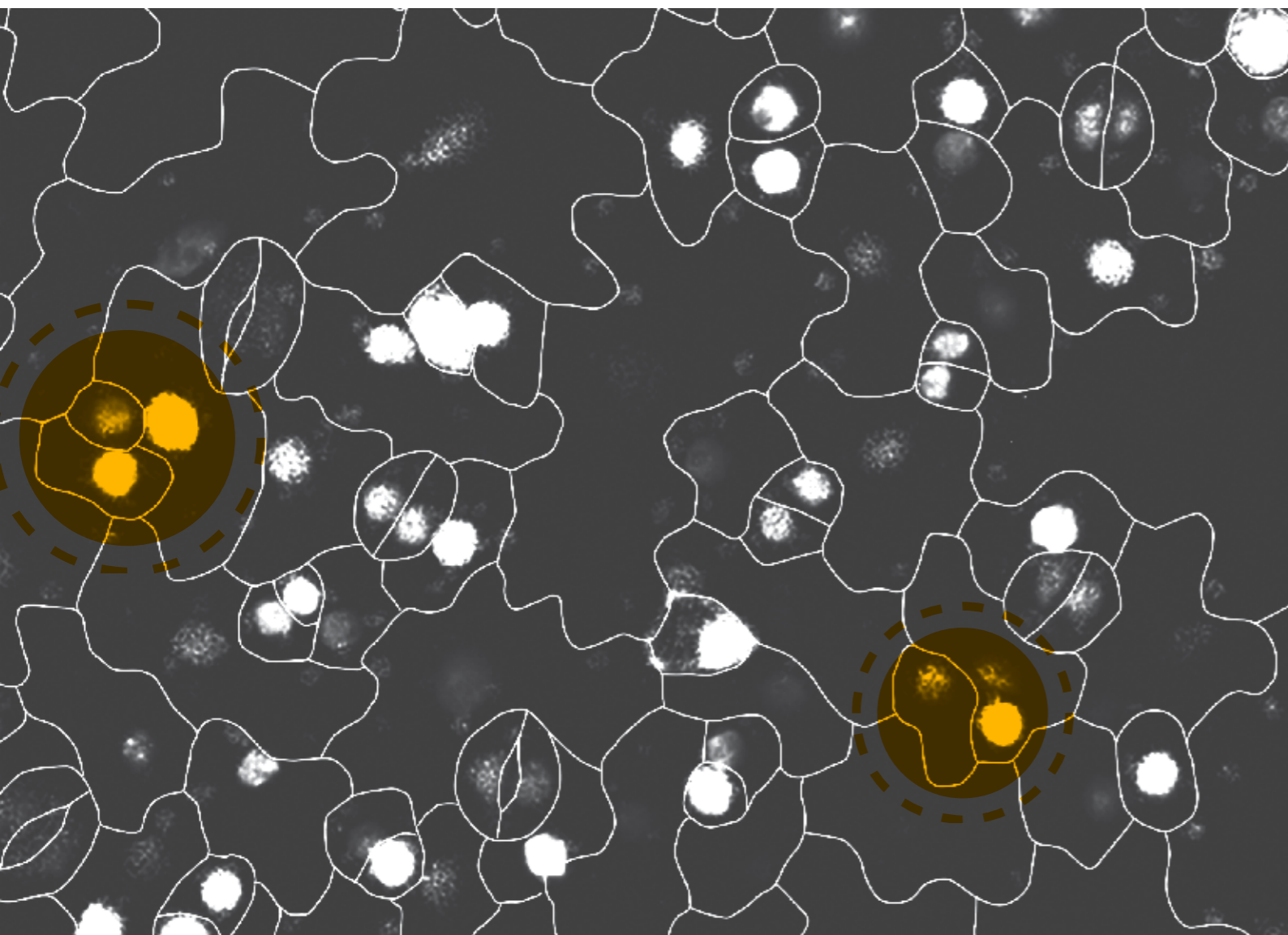
France
Germany
Italy
Spain
United Kingdom

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

→ EMBC Office
Sophia Hercus
EMBC_Office@embo.org
T +49 6221 8891 124
F +49 6221 8891 200



Facts & figures 2020

EMBC Member States	12 - 13
EMBO Council & Committees	14 - 15
EMBO Membership	16 - 19
EMBO Scientific Publications	20 - 23
EMBO Fellowships	24 - 71
EMBO Young Investigators	72 - 76
EMBO Installation Grants	78 - 79
EMBO Courses & Workshops	80 - 81
EMBO Keynote Lectures	82 - 83
EMBO Global Lecture Series	84
EMBO Gold Medal	86
EMBO Woman in Science	87 - 91
EMBO Staff in Heidelberg	92 - 94

EMBC Delegates & Advisers 2020

embc.embo.org | embc_office@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.

Sophia Hercus
EMBC Office

Austria Dr. Hemma Bauer Dr. Christa Schleper	Germany Dr. Barbara Ohnesorge Prof. Peter Becker	Luxembourg Ms Josiane Entringer	Slovenia Dr. Tomaz Boh Mr. Andrej Ograjenšek Prof. Boris Turk
Belgium Ms Maria-Helena Bosschaerts Dr. Laurent Ghys Mr. Alain Heynen	Greece Prof. Emmanouil Dermizakis Prof. George A. Garinis Ms Panagiota Katsafana	Montenegro Dr. Danilo Mrdak Ms Djurdjina Bulatović	Spain Dr. Cristina Bauluz Prof. M. Angela Nieto
Croatia Dr. Lovorka Barać Lauc Prof. Krešimir Pavelić	Hungary Mr. Gergely Boehm Prof. László Pathy	Malta Dr. Joseph Borg Dr. Christian Spiteri	Sweden Prof. Björn Andersson Dr. Maria Thuveson
Czech Republic Mr. Jan Buriánek Prof. Zdena Palková	Iceland Prof. Zophonías Oddur Jónsson Prof. Eiríkur Steingrímsson	Netherlands Mr. Peter Steenhuis Ms. Mirjam Lieshout-Vijverberg Prof. Gerrit van Meer	Switzerland Dr. Doris Wohlfender-Bühler Prof. Anna Jazwinska-Müller Dr. Laurent Salzarulo
Denmark Mr. Lars Christensen Prof. Birthe Kragelund	Ireland Dr. Maria Nash Mr. Garry Purcell	Norway Prof. Oddmund Bakke Dr. Jacob E. Wang	Turkey Prof. Ahmet Ademoglu Dr. Jale Sahin
Estonia Prof. Maia Kivisaar Dr. Toivo Raim	Israel Dr. Iris Eisenberg Prof. Joel Sussman	Poland Prof. Leszek Kaczmarek Ms Maria Klimkiewicz	United Kingdom Mr. Hugh Dunlop Dr. Mark Palmer Mr. Tim Willis
Finland Prof. Johanna Myllyharju Dr. Sirpa Nuotio	Italy Prof. Lucia Banci Dr. Alessandro Boero Mr. Fabio Iannaccone	Portugal Ms. Luisa Igreja Prof. Cláudio Sunkel	
France Dr. Elena Hoffert Dr. Anne Paoletti	Lithuania Dr. Milda Jodinskiene Prof. Virginijus Sikšnyš	Slovak Republic Mr Marcel Sládok Prof. Ján Turňa	

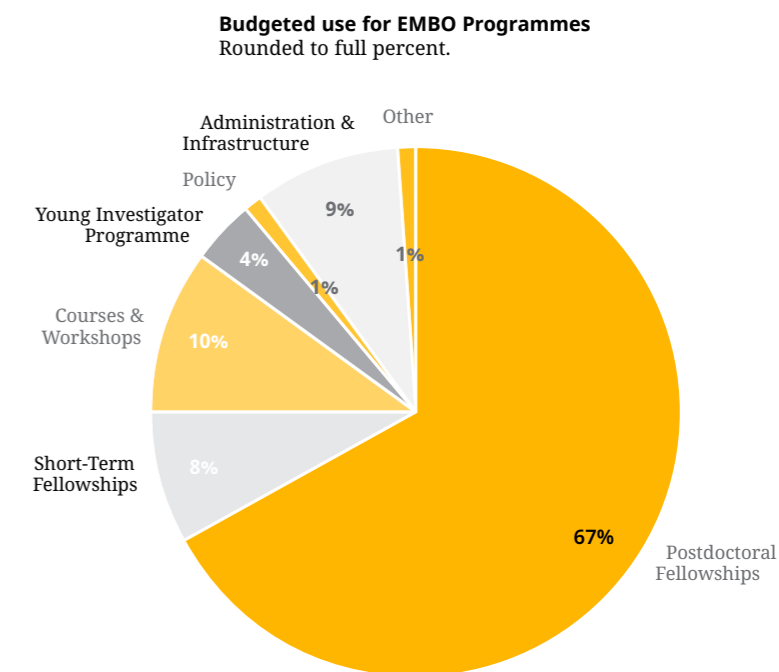
EMBC Member States financial contributions & use for EMBO Programmes

embc.embo.org | embc_office@embo.org

The EMBC Members States provide the budget for the execution of the EMBO Programmes.

Entire EMBC budget 2020: Euro 23,174,444

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
Total	100.00



EMBO Council 2020

www.embo.org/about-embo/leadership-and-governance/council | communications@embo.org

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
	2016-2018, 2019-2021	Karen B. Avraham	IL-Tel Aviv
	2017-2019, 2020-2022	Adrian Bird	UK-Edinburgh
	2018-2020, 2021-2023	Matthew Freeman	UK-Oxford
	2019-2021	Eileen Furlong	DE-Heidelberg
	2017-2019, 2020-2022	Michael N. Hall	CH-Basel
	2015-2017, 2018-2020	Carl-Henrik Heldin	SE-Uppsala
	2020-2022	Crisanto Gutierrez	ES-Madrid
	2015-2017, 2018-2020	Jürgen Knoblich	AT-Vienna
	2018-2020	Michel Labouesse	FR-Paris
	2019-2021	Jiri Lukas	DK-Copenhagen
	2016-2018, 2019-2021	László Nagy	HU-Debrecen
	2020-2022	Maria Rescigno	IT-Milan
	2016-2018, 2019-2021	Titia Sixma	NL-Amsterdam
	2017-2019, 2020-2022	Claudio E. Sunkel	PT-Porto
	2015-2017, 2018-2020	Karen Vousden	UK-Glasgow
Ex officio Council members			
		Maria Leptin	Director, EMBO
		Paul Nurse	Secretary General, EMBO
Observers			
		Leszek Kaczmarek	President, EMBC
		Anne Paoletti	Secretary General, EMBC
		Edith Heard	Director General, EMBL
		Peter Scheiffele	CHAIR EMBO Membership Committee
		Christoph Dehio	CHAIR EMBO Young Investigator Committee
		Zoi Lygerou	CHAIR EMBO Course Committee
		Malcolm J. Bennett	CHAIR EMBO Fellowship Committee
		Paul Nurse	CHAIR EMBL SAC

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

EMBO Committees 2020

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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

2015	Zoi Lygerou GR CHAIR
2020	Eva Benkova AT
2020	Carmen Buchrieser FR
2020	Janusz M. Bujnicki PL
2019	Kristina Djinovic-Carugo AT
2019	Anne-Claude Gavin CH
2018	Klaus-Armin Nave DE
2020	Freddy Radtke CH
2020	Michael Sieweke DE
2020	Nicholas Tapon UK
2018	Jernej Ule UK

Short Term Fellowships Advisory Board

2020	Claudio Alfieri UK
2020	Arkaitz Carracedo ES
2020	Robert Hänsel-Hertsch DE
2020	Bruno Hudry FR
2020	Gabriel Ichim FR
2020	Marketa Kaucak Petersen DE
2020	Patrycja Kozik UK
2020	Nataly Kravchenko-Balasha IL
2020	Patricia Monteiro PT
2020	Silvia Portugal PT
2020	Jörg Renkawitz PL
2020	Adrien Rousseau UK
2020	Julia Santiago Cuellar CH
2020	Anne Schütz DE
2020	David Schwefel DE
2020	Erdinc Sezgin SE
2020	Marta Shahbazi UK
2020	Mehmet Somel TR
2020	Daan Swarts DE
2020	Melissa Vos DE
2020	Michael Zimmermann DE

Fellowship Committee

2018	Malcolm J. Bennett UK CHAIR
2018	Frédéric Berger AT

2016	Yehudit Bergmann IL
2016	James Briscoe UK
2020	Sarah Butcher FI
2017	Francesco Cecconi DK
2019	Ian Chambers UK
2020	Mario de Bono AT
2016	Marie-Anne Felix FR
2018	Fatima Gebauer Hernández ES
2019	Isabel Gordo PT
2018	Magda Konarska PL
2019	Ben Luisi UK
2020	Vivek Malhotra ES
2020	Raffaella Santoro CH
2013	Luca Scorrano IT
2017	Virginijus Siksnys LT
2015	Michael Sixt AT
2019	Lea Sistonen FI
2016	Shahragim Tajbakhsh FR
2020	Robert Tampé DE

Young Investigator Committee

2016	Christoph Dehio CH CHAIR
2018	Buzz Baum UK
2017	Gerhard Christofori CH
2017	Antonella de Matteis IT
2017	Carlos Dotti ES
2019	Pascal Genschik FR
2017	Darren Gilmour CH
2019	Ana-Maria Lennon-Duménil FR
2020	Jan-Michael Peters AT
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 FR
2019	Blanche Schwappach DE

Membership Committee

2016	Peter Scheiffele CH CHAIR
2020	Ralf Bartschlagler DE
2019	Cédric Blanpain BE
2019	Dana Branzei IT
2019	Susanne Mandrup DK
2020	Lori Passmore UK
2017	Pere Puigdomènech ES
2018	David Ron UK
2018	Claire Rougeulle FR
2020	Miguel Soares PT
2019	Kate Storey UK
2017	Sarah Teichmann UK

Science Policy Advisory Group*

2012	Geneviève Almouzni FR CHAIR
2012	Ioannis Economidis BE**
2013	Anne Ephrussi DE
2012	Toivo Maimets EE**
2012	Claudio Sunkel PT
2015	Gerrit van Meer NL

EMBO | EMBL Symposia Committee*

2010	Maria Leptin DE CHAIR
2019	Edith Heard DE, EMBL CHAIR
2018	Amparo Acker-Palmer DE
2017	Alexander Aulehla DE, EMBL**
2020	Ian Baldwin DE
2020	Alba Diz-Muñoz DE, EMBL
2008	Anne Ephrussi DE, EMBL
2020	Cornelius Gross IT, EMBL
2020	Zoi Lygerou GR
2019	Helle Ulrich DE

Publications Advisory Board*

2009	Ivan Dikic DE CHAIR
2018	Pedro Beltrao UK**
2019	Ulrich Dirnagl DE**
2014	Ari Helenius CH
2017	Kristian Helin US
2017	Chonnetia Jones UK**
2017	V. Narry Kim KR
2010	Iain Mattaj IT
2014	Johanna McEntyre UK**
2014	Tom Misteli US**
2018	Maya Schuldiner IL
2019	Blanche Schwappach DE

FEBs | EMBO Women in Science Committee*

2013	Cecilia Arraiano PT
2017	Thomas Boehm DE
2017	Anne-Lise Boerresen-Dale NO**
2019	Frauke Melchior DE
2014	Gerrit van Meer NL
2017	Isabelle Vernos ES
2014	Maciej Zylicz PL

Internal Auditor EMBL

Tomasz Smolarek

External Auditors

Central Audit Service
Netherlands

EMBO Audit

KPMG

* Committee includes EMBO Members and external advisers**

EMBO Members 2020

www.embo.org/about-embo/membership | membership@embo.org

Election to EMBO Membership is recognition of research excellence and the outstanding achievements made by a life scientist. The EMBO Membership includes more than 1,800 of the best researchers in Europe and worldwide. New members are nominated and elected by the membership annually.

Name	Institute	Research interest
Gregor Anderlüh	National Institute of Chemistry Ljubljana, Slovenia	Pore-forming proteins in defense and attack
Alexander Aulehla	EMBL Heidelberg, Germany	Timing in embryonic development
Eva Bártová	Institute of Biophysics Brno, Czech Republic	Epigenetics of DNA repair studied in living cells
Patricia Bassereau	Institut Curie Paris, France	Physics and dynamics of membranes applied to cells
Filippo Del Bene	Sorbonne University Paris, France	Neural circuit development and function
Caroline Dive	University of Manchester, United Kingdom	Biomarkers to support cancer treatment decisions
Fiona Doetsch	University of Basel, Switzerland	Adult neural stem cells and their regulation
Wolfgang Driever	Universität Freiburg, Germany	Development and function of dopaminergic systems
Paul Flicek	European Bioinformatics Institute Hinxton Cambridge, United Kingdom	Comparative genomics and genome annotation
Alain Goossens	University Gent, Belgium	Regulation of plant specialised metabolism
Berthold Göttgens	University of Cambridge, United Kingdom	Regulation of normal and leukemic blood stem cells
Eva R. Hoffmann	University Copenhagen, Denmark	Genome diversification and instability in meiosis
Thorsten Hoppe	University of Cologne, Germany	Physiological regulation of protein homeostasis
Ursula Klingmüller	Deutsches Krebsforschungszentrum (DKFZ) Heidelberg, Germany	Systems properties controlling cellular decisions
Pierre-François Lenne	Aix-Marseille Université Marseille, France	Physical approaches to tissue morphogenesis
François Leulier	Institut de Génomique Fonctionnelle de Lyon (IGFL) Lyon, France; and Institut de Génomique Fonctionnelle de Lyon (IGFL) Lyon, France	Physiology of diet-microbe-host interactions

Name	Institute	Research interest
Kathryn S. Lilley	University of Cambridge, United Kingdom; and Milner Therapeutics Institute Cambridge, United Kingdom	The functional proteome in time and space
Guillermina López-Bendito	Instituto de Neurociencias Alicante, Spain	Development, plasticity & regeneration of circuits
Jean-Christophe Marine	Katholieke Universiteit Leuven, Belgium	Non-genetic mechanisms of cancer evolution
Sascha Martens	University Vienna, Austria	Mechanisms of selective autophagy
Maria Dolores Martin-Bermudo	Centro Andaluz de Biología del Desarrollo (CABD) Sevilla, Spain; and Universidad Pablo de Olavide Sevilla, Spain	Cell-ECM and actomyosin forces in morphogenesis
Ana Martin-Villalba	Deutsches Krebsforschungszentrum (DKFZ) Heidelberg, Germany	Adult stem cells in homeostasis and disease
Sophie G. Martin	University Lausanne, Switzerland	Cell polarization and cell fusion
Danijela Matic Vignjevic	Institut Curie Paris, France; and French Institute of Health and Medical Research (INSERM) Paris, France	Cell migration in gut homeostasis and cancer
Brian McStay	National University of Ireland Galway, Ireland	Formation and organisation of the human nucleolus
Raphaël Mercier	MPI für Züchtungsforschung Köln, Germany	Meiosis and meiotic recombination in plants
Felix Naef	Swiss Federal Institute of Technology Lausanne, Switzerland	Systems chronobiology and gene regulation
Serena Nik-Zainal	MRC Cancer Cell Unit Cambridge, United Kingdom; and University of Cambridge, United Kingdom	Mutational mechanisms and clinical applications
Caren Norden	Instituto Gulbenkian de Ciência Oeiras, Portugal	Cell biology of tissue morphogenesis
Dónal O'Carroll	University of Edinburgh, United Kingdom; and Wellcome Centre for Cell Biology Edinburgh, United Kingdom	RNA, epigenetics and the germline
Giles Oldroyd	The Sainsbury Laboratory Cambridge, United Kingdom; and University of Cambridge, United Kingdom	Beneficial plant-microbial interactions
Uta Paszkowski	University of Cambridge, United Kingdom	Molecular genetics of beneficial cereal symbioses
José R. Penadés	Imperial College London, United Kingdom	Mechanisms of gene transfer in bacteria
Anna Philpott	University of Cambridge, United Kingdom	Coordination of proliferation and differentiation
Mariana G. Pinho	Instituto de Tecnologia Química e Biologia Oeiras, Portugal	Bacterial cell division and antibiotic resistance
Karel Ríha	Masaryk University Brno, Czech Republic	RNA processing in plant germline differentiation

Name	Institute	Research interest
Pere Roca-Cusachs	Institut de Bioenginyeria de Catalunya (IBEC) Barcelona, Spain; and Universitat de Barcelona Barcelona, Spain	Molecular mechanisms of cell mechanosensing
María Carla Saleh	Institut Pasteur Paris, France	Antiviral immunity in insects
Yardena Samuels	Weizmann Institute of Science Rehovot, Israel	Melanoma functional and immuno-genetic landscape
Anne Simonsen	University Oslo, Norway; and University Hospital Oslo, Norway	Molecular mechanisms of selective autophagy
Jan Steyaert	Université Libre de Bruxelles Brussels, Belgium	Nanobodies as tools in structural biology
Katja Sträßer	Justus-Liebig-Universität Giessen, Germany	Nuclear mRNP assembly, mechanisms and consequences
Eörs Szathmáry	Hungarian Academy of Sciences Budapest, Hungary	Major transitions in evolution and evolvability
Christopher G. Tate	MRC Laboratory of Molecular Biology Cambridge, United Kingdom	Structure and function of membrane proteins
Luis Teixeira	Instituto Gulbenkian de Ciência Oeiras, Portugal	Host-microorganism interactions
Aurelio A. Teleman	Deutsches Krebsforschungszentrum (DKFZ) Heidelberg, Germany	Regulation of tissue growth
Matthias H. Tschöp	Helmholtz Zentrum München Neuherberg, Germany; and Technische Universität München, Germany	Targeting of key mechanisms of the gut-brain axis
Beatrice Vallone	University of Rome 'Sapienza' Rome, Italy	Protein structure and dynamics
Dolf Weijers	Wageningen University, Netherlands	Plant embryo development and hormone response
Sara A. Wickström	University of Helsinki, Finland; and Max Planck Institute for Biology of Ageing Cologne, Germany	Stem cells and tissue architecture
Eske Willerslev	University Copenhagen, Denmark; and University of Cambridge, United Kingdom	Ancient genomics and environmental DNA
Marta Zlatic	MRC Laboratory of Molecular Biology Cambridge, United Kingdom; and University of Cambridge, United Kingdom	Circuit mechanisms of learning and deciding

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Name	Institute	Research interest
Sumantra Chattarji	National Centre for Biological Sciences Bangalore, India	Effects of stress and autism on amygdalar function
Job Dekker	University of Massachusetts Worcester, United States; and Howard Hughes Medical Institute Chevy Chase, United States	Chromosome folding mechanisms
Anne-Claude Gingras	Lunenfeld-Tanenbaum Research Institute Toronto, Canada; and University of Toronto, Canada	Functional proteomics of signal transduction
Christian Gonzalez-Billault	Universidad de Chile Santiago de Chile, Chile	Microtubule and actin filament roles in neurons
Noboru Mizushima	University of Tokyo, Japan	Mechanisms and physiological roles of autophagy
Akihiko Nakano	Riken Wako, Japan	Molecular mechanisms of membrane trafficking
Jodi Nunnari	University of California Davis, United States	Mitochondrial form and function
Mitinori Saitou	Kyoto University, Japan	Mechanism of germ-cell development in mammals
Geraldine Seydoux	Johns Hopkins University Baltimore, United States	RNA and protein dynamics in cells and embryos
Peter M. Visscher	The University of Queensland Brisbane, Australia	Human complex trait genetics
Hongyan Wang	Duke-NUS Graduate Medical School Singapore, Singapore	Neural stem cell proliferation and differentiation

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EMBO Postdoctoral Fellowships: Statistics

Applications and awards 2016 – 2020

Year	Applications	Awards	Success rate %
2020	1287	150	12
2019	1189	185	16
2018	1200	190	16
2017	1190	189	16
2016	1561	170	11

EMBO Postdoctoral Fellowships: Statistics

Applications and awards 2016 – 2020

Country from*	Applications	% of total	Awards	% of total	Success rate %
Austria	74	1	19	2	26
Belgium	109	2	17	2	16
Croatia	33	1	6	1	18
Czech Republic	73	1	9	1	12
Denmark	21	0	1	0	5
Estonia	20	0	1	0	5
Finland	50	1	6	1	12
France	666	10	72	8	11
Germany	595	9	133	15	22
Greece	103	2	12	1	12
Hungary	58	1	6	1	10
Iceland	1	0	0	0	0
India	596	9	32	4	5
Ireland	40	1	3	0	8
Israel	335	5	63	7	19
Italy	504	8	73	8	14
Lithuania	21	0	5	1	24
Luxembourg	2	0	1	0	50
Malta	4	0	0	0	0
Montenegro	1	0	1	0	100
Netherlands	206	3	42	5	20
Norway	3	0	0	0	0
Poland	129	2	13	1	10
Portugal	192	3	27	3	14
Singapur	9	0	2	0	22
Slovak Republic	27	0	2	0	7
Slovenia	15	0	4	0	27
Spain	732	11	80	9	11
Sweden	67	1	8	1	12
Switzerland	59	1	16	2	27
Turkey	75	1	6	1	8
United Kingdom	228	4	52	6	23
Eastern Europe	124	2	14	2	11
USA/Canada	292	5	57	6	20
Others	963	15	101	11	10
Total	6427	100	884	100	14

* "Country from" refers to nationality

Postdoctoral Fellowships awarded in 2020 EMBC Member States' nationals

Name	Nationality	Home institute	Group leader	Host institute	Project
Markus Höpfler	Austrian	MPI für Biochemie Martinsried, Germany	Ramanujan S. Hegde	MRC Laboratory of Molecular Biology Cambridge, United Kingdom	Understanding molecular principles of regulated mRNA degradation on translating ribosomes
Alexander Leithner	Austrian	Institute of Science and Technology Austria (IST) Klosterneuburg, Austria	Michael L. Dustin	University of Oxford, United Kingdom	Dendritic cell biophysical and biochemical parameters regulate T cell mediated immunity and tolerance
Thomas Pomberger	Austrian	Universität Tübingen, Germany	Richard Mooney	Duke University Durham, United States	Cortical contribution to innate vocalizations
Cornelia Schwayer	Austrian	Institute of Science and Technology Austria (IST) Klosterneuburg, Austria	Prisca Liberali	Friedrich Miescher Institute Basel, Switzerland	Extracellular signal-regulated kinase (ERK)-mediated symmetry breaking in intestinal organoid formation
Valentina Sladky	Austrian	Medical University Innsbruck, Austria	Andrew Holland	Johns Hopkins University Baltimore, United States	Determining the role of ANKRD26 in centriole signaling
Lisa Traunmueller	Austrian	Biozentrum University of Basel, Switzerland	Michael E. Greenberg	Harvard Medical School Boston, United States	Contribution of activity-regulated neuropeptide function to synaptic plasticity and neuronal circuit function
Sander Van Der Verren	Belgian	Vrije Universiteit (VUB) Brussels, Belgium	Giulia Zanetti	Birkbeck University of London, United Kingdom	Electron cryo-tomography of human COPII secretion and large cargo receptors TANGO1 and cTAGE5
Januka Athukoralage	British	University St Andrews, United Kingdom	Joseph Bondy-Denomy	University of California San Francisco, United States	Uncovering tripartite host-pathogen interactions with novel CRISPR-Cas tools
Alexander Bates	British	MRC Laboratory of Molecular Biology Cambridge, United Kingdom	Rachel Wilson	Harvard Medical School Boston, United States	A Cartesian coordinate system for generating flexible internal navigational goals

Postdoctoral Fellowships awarded in 2020 EMBC Member States' nationals

Name	Nationality	Home institute	Group leader	Host institute	Project
Michael Geeson	British	Massachusetts Institute of Technology (MIT) Cambridge (MA), United States	Gonçalo Bernardes	University of Cambridge, United Kingdom	Rapid mapping of glycoRNA using a click and sequence approach
Daniel Greenwood	British	Francis Crick Institute London, United Kingdom	Berend Snijder	ETH Zurich, Switzerland	A deep-imaging approach to illuminate the microbiome-immune axis
Anna Hakes	British	University of Cambridge, United Kingdom	Allan Balmain	University of California San Francisco, United States	The regulation of stem cell fate transitions by the oncogene KRAS
Joshua Hutchings	British	Birkbeck University of London, United Kingdom	Elizabeth Villa	University of California San Diego La Jolla, United States	In situ structural characterisation of the mammalian linker of nucleoskeleton and cytoskeleton (LINC) complex at the nuclear periphery
Jacob Lewis	British	University Wollongong, Australia	Alessandro Costa	Francis Crick Institute London, United Kingdom	Caught in the act: DNA replication visualised by cryo-EM
William Shaw	British	Imperial College London, United Kingdom	Mo Khalil	University Boston, United States	Deciphering genetic and epigenetic regulation in eukaryotic gene clusters using synthetic genomics
Emma Watson	British	University Sydney, Australia	Nicolas Winssinger	University of Geneva, Switzerland	Natural killer cell recruitment via in situ supramolecular assembly of peptide nucleic acid scaffolds as a complementary approach to immuno-oncology
Jake Watson	British	MRC Laboratory of Molecular Biology Cambridge, United Kingdom	Peter Jonas	Institute of Science and Technology Austria (IST) Klosterneuburg, Austria	Synaptic mechanisms of information processing in hippocampal microcircuits
Isabel Wilkinson	British	University of Oxford, United Kingdom	Stephan Sieber	Technical University of Munich Garching, Germany	Characterisation of the heme-binding proteome in bacteria with a global unbiased chemoproteomics strategy

Postdoctoral Fellowships awarded in 2020

EMBC Member States' nationals

Name	Nationality	Home institute	Group leader	Host institute	Project
Christian Kofoed	Danish	University Copenhagen, Denmark	Tom Muir	Princeton University, United States	Engineering conditional protein splicing to respond to the enzymatic writing of post-translational modifications
Georgios Alachouzos	Dutch	University Rochester, United States	Ben Feringa	University Groningen, Netherlands	Controlling biology with light: Molecular design of NIR-responsive photocages
Bente Benedict	Dutch	Netherlands Cancer Institute Amsterdam, Netherlands	Julien Duxin	University Copenhagen, Denmark	Identification of the targets and functions of the DNA repair protease SPRTN
Colinda Scheele	Dutch	Netherlands Cancer Institute Amsterdam, Netherlands	Jean-Christophe Marine	Katholieke Universiteit Leuven, Belgium	Understanding protection mechanisms against tumor initiation by intravital microscopy
Koen Schipper	Dutch	Netherlands Cancer Institute Amsterdam, Netherlands	Clare Isacke	Institute of Cancer Research London, United Kingdom	Uncovering actionable molecular mechanisms driving lobular breast cancer metastasis
Margot Smit	Dutch	Wageningen University, Netherlands	Dominique Bergmann	Stanford University, United States	Divide, then commit: Coordination of developmental transitions in the stomatal lineage by combinatorial transcription factor activities
Rob Ter Horst	Dutch	Radboud University Nijmegen, Netherlands	Christoph Bock	CeMM Vienna, Austria	Structural cells: Underappreciated contributors to immune regulation and diseases?
Guido Van Mierlo	Dutch	Centre for Molecular Life Sciences Nijmegen, Netherlands	Bart Deplancke	Swiss Federal Institute of Technology Lausanne, Switzerland	Identifying Variable Chromatin Modules using single-cell epigenomics
Markku Hakala	Finnish	University of Helsinki, Finland	Aurélien Roux	University of Geneva, Switzerland	The mechanism of membrane bending during clathrin-mediated endocytosis

Postdoctoral Fellowships awarded in 2020

EMBC Member States' nationals

Name	Nationality	Home institute	Group leader	Host institute	Project
Anais Bailles	French	Institut de Biologie du Developpement de Marseille (IBDM) Marseille, France	Pavel Tomancak	MPI für molekulare Zellbiologie und Genetik Dresden, Germany	Role of cell-to-cell variability in patterning and morphogenesis
Yassine Cherrak	French	Laboratoire d'Ingénierie des Systèmes Macromoléculaires (LISM) Marseille, France	Wolf-Dietrich Hardt	ETH Zurich, Switzerland	Study of the mechanisms explaining how commensal Escherichia coli strains protect against Salmonella Typhimurium gut infection
Maximilien Courgeon	French	New York University, United States	Thomas Lecuit	Aix-Marseille Université Marseille, France	Self-organising principles of Class IV neuron dendritic arborization in Drosophila
Nicolas M. Doll	French	École Normale Supérieure Lyon, France	Moritz Nowack	University Gent, Belgium	Analysing the molecular regulation and functional relevance of starchy endosperm cell death in maize
Aurore Dupin	French	Technical University of Munich Garching, Germany	Roy Bar-Ziv	Weizmann Institute of Science Rehovot, Israel	Investigating the robustness of developmental processes in minimal artificial cells
Pierre Gautrat	French	Institut des Sciences du Végétal Gif-sur-Yvette, France	Ronald Pierik	Utrecht University, Netherlands	Integration of light quality and nitrogen signalling in plants
Dirk Benzinger	German	ETH Zürich Basel, Switzerland	James Briscoe	The Francis Crick Institute London, United Kingdom	Studying dynamic morphogen signaling and its consequences in a stem cell model of spinal neuron differentiation
Maximilian Fürst	German	University Groningen, Netherlands	Philipp Holliger	MRC Laboratory of Molecular Biology Cambridge, United Kingdom	Engineered reverse transcriptases for high-throughput rpitranscriptome mapping
Maja Gehre	German	EMBL Heidelberg, Germany	Julius Brennecke	IMBA Vienna, Austria	Understanding the basis of transcription within heterochromatin
Alexander Hogrebe	German	University Copenhagen, Denmark	Judit Villen	University of Washington Seattle, United States	Novel pipeline to study proline cis-trans-isomerization in cellular aging using mass spectrometry-based proteomics

Postdoctoral Fellowships awarded in 2020

EMBC Member States' nationals

Name	Nationality	Home institute	Group leader	Host institute	Project
Marco Julian Kühn	German	Justus-Liebig-Universität Giessen, Germany	Alexandre Persat	Swiss Federal Institute of Technology Lausanne, Switzerland	Characterizing how <i>Pseudomonas aeruginosa</i> sense forces with their pili
Janine McCaughey	German	University of Bristol, United Kingdom	Lukas Kapitein	Utrecht University, Netherlands	Uncovering microtubule nucleation sites in mammalian neurons
Anne Miller	German	Medical University of Vienna, Austria	Gary Yellen	Harvard Medical School Boston, United States	Revealing the role of the pentose phosphate pathway during neuronal activation
Julia Niessl	German	Université Montreal, Canada	Marcus Buggert	Karolinska Institutet Stockholm, Sweden	Tracing human virus-specific T cell zonation
Roderich Roemhild	German	Uppsala University, Sweden	Calin Guet	Institute of Science and Technology Austria (ISTA) Klosterneuburg, Austria	Dynamics of large evolutionary steps at the level of the single cell
Tom Scheidt	German	University of Cambridge, United Kingdom	Edward Lemke	Institute of Molecular Biology (IMB) Mainz, Germany	Chaperone quality control in liquid-phase separated organelles
Nora Schmidt	German	University of Zurich, Switzerland	Mathias Munschauer	Heimholz Institute for RNA-based Infection Reserach (HIRI) Würzburg, Germany	Decoding host cell dependencies of influenza A virus – an RNA virus with pandemic potency
Falk Schneider	German	University of Oxford, United Kingdom	Scott Fraser	University of Southern California (USC) Los Angeles, United States	Quantitative imaging of transcription factor dynamics during zebrafish development
Andre Schwarz	German	EMBL Heidelberg, Germany	Erin M. Schuman	MPI für Hirnforschung Frankfurt, Germany	Structural consequences of neuronal mRNA isoform diversity on protein complexes
Christian Steinmetzger	German	University Würzburg, Germany	Katja Petzold	Karolinska Institutet Stockholm, Sweden	Are structurally excited states in ribosomal RNA a new antibiotic target?

Postdoctoral Fellowships awarded in 2020

EMBC Member States' nationals

Name	Nationality	Home institute	Group leader	Host institute	Project
Matthias Vorländer	German	EMBL Heidelberg, Germany	Clemens Plaschka	IMP Vienna, Austria	Cryo-EM and super-resolution fluorescence imaging of human TRanscription and EXport (TREX) complex
Julia Weber	German	Technische Universität München, Germany	Karen Vousden	Francis Crick Institute London, United Kingdom	Systematic characterisation of a novel Mdm2 mutant mouse model
Tanita Wein	German	Universität Kiel, Germany	Rotem Sorek	Weizmann Institute of Science Rehovot, Israel	Discovery of phage-encoded evasion of bacterial immunity
Efthymia (Mika) Diamanti	Greek	University College London, United Kingdom	David Tank	Princeton University, United States	Probing the emergence of cognitive signals in hippocampus and retrosplenial cortex during learning
Christina Paliou	Greek	Max Planck Institute for Molecular Genetics Berlin, Germany	Jose Luis Gomez Skarmeta	Centro Andaluz de Biología del Desarrollo (CABD) Sevilla, Spain	Comparative transcriptomics, epigenomics and 3D dynamics to assess the role of Gene Regulatory Networks in fin morphology and evolution
Varvara Paraskevopoulou	Greek	Biomedical Research Foundation Athens, Greece	Iannis Aifantis	New York University, United States	Single-cell analysis of the bone marrow stromal microenvironment in response to stress
Paraskevi Tsiolaki	Greek	National and Kapodistrian University Athens, Greece	David Agard	University of California San Francisco, United States	Towards an atomic resolution understanding of Hsp70 – alpha-synuclein complex using cryoEM
Julia Batki	Hungarian	IMBA Vienna, Austria	Alexander Meissner	Max Planck Institute for Molecular Genetics Berlin, Germany	The extraembryonic-to-embryonic transition during mouse development
Máté Kiss	Hungarian	Vrije Universiteit (VUB) Brussels, Belgium	Mikael Pittet	University of Geneva, Switzerland	The role of cancer-induced hematopoietic stem cell reprogramming in the development of atherosclerosis
Flora Paldi	Hungarian	University of Edinburgh, United Kingdom	Giacomo Cavalli	CNRS Institute of Human Genetics Montpellier, France	The fate of functional chromatin states through mitosis: A single-cell analysis

Postdoctoral Fellowships awarded in 2020

EMBC Member States' nationals

Name	Nationality	Home institute	Group leader	Host institute	Project
András Szőnyi	Hungarian	Institute of Experimental Medicine of the Hungarian Academy of Sciences, Hungary	Andreas Lüthi	Friedrich Miescher Institute Basel, Switzerland	Molecular basis of cell type-specific plasticity in the amygdala during fear learning
Zohar Arnon	Israeli	Tel Aviv University, Israel	Nadrian Seeman	New York University, United States	Microfluidic aptamer high throughput screening using DNA nanotechnology
Roi Asor	Israeli	The Hebrew University Jerusalem, Israel	Philipp Kukura	University of Oxford, United Kingdom	Dissecting DNA-protein interactions with mass photometry using Rad51
Elad Bassat	Israeli	Weizmann Institute of Science Rehovot, Israel	Elly M. Tanaka	IMP Vienna, Austria	How do dynamic changes of the extracellular matrix guide regenerative events in Axolotl?
Assaf Elazar	Israeli	Weizmann Institute of Science Rehovot, Israel	M. Madan Babu	MRC Laboratory of Molecular Biology Cambridge, United Kingdom	Discovery and decoding determinants of in vivo reversible assembly in disordered protein regions
Raya Faigenbaum Romm	Israeli	The Hebrew University Jerusalem, Israel	Gurol Suel	University of California San Diego La Jolla, United States	Electrical signaling and its role in complex bacterial communities
Alon Israeli	Israeli	The Hebrew University Jerusalem, Israel	John Bowman	Monash University Melbourne, Australia	Origin and evolution of land plant reproductive system
Mohamed Mahameed	Israeli	The Hebrew University Jerusalem, Israel	Martin Fussenegger	ETH Zürich Basel, Switzerland	Engineering of transgenic mammalian cells implant with nitric oxide-induced expression system for human diseases
Oded Mayseless	Israeli	Weizmann Institute of Science Rehovot, Israel	Alexander F. Schier	Biozentrum University of Basel, Switzerland	The molecular and genetic basis of kin recognition in zebrafish
Hillel Ori	Israeli	Technion Haifa, Israel	Adam Cohen	Harvard University Cambridge, United States	Topological electrophysiology
Shiran Rabinovich	Israeli	Weizmann Institute of Science Rehovot, Israel	Karen Vousden	Francis Crick Institute London, United Kingdom	Deciphering the mechanism governing PDAC metastasis dissemination to the lungs

Postdoctoral Fellowships awarded in 2020

EMBC Member States' nationals

Name	Nationality	Home institute	Group leader	Host institute	Project
Regev Schweiger	Israeli	MyHeritage Ltd. Or Yehuda, Israel	Richard Durbin	University of Cambridge, United Kingdom	New approaches to evolutionary analysis of human genetic variation using coalescent modelling
Nuphar Veiga	Israeli	Tel Aviv University, Israel	Peter Carmeliet	Katholieke Universiteit Leuven, Belgium	Pulmonary endothelial cells – Overlooked in innate immune memory?
Francesca Alfei	Italian	TU Munich School of Life Sciences Freising-Weihenstephan, Germany	Ping-Chih Ho	University of Lausanne Epalinges, Switzerland	Investigating the rheostatic roles of Type I dendritic cells in tailoring CD8+ T cell anti-tumor responses in the tumor microenvironment
Claudia Aloisi	Italian	ETH Zurich, Switzerland	Terence Strick	Institut Jacques Monod Paris, France	Single-molecule fluorescence and nanomanipulation to characterize the facilitated recruitment of DNA strand-break repair by the PARP system
Lorenzo Baronti	Italian	Sixfold Bioscience Ltd. London, United Kingdom	Michael Sattler	Helmholtz Zentrum München Neuherberg, Germany	XIST StructBio
Maria Bruzzone	Italian	University of Geneva, Switzerland	Karen Adelman	Harvard Medical School Boston, United States	Dissecting the mechanisms of RNA polymerase II elongation control in a cell-free system
Claudia Burrello	Italian	European Institute of Oncology (IEO) Milano, Italy	Karin De Visser	Netherlands Cancer Institute Amsterdam, Netherlands	Dissecting how cancer-associated inflammation shapes iNKT cell activity during breast cancer metastatic progression
Giulia Paci	Italian	EMBL Heidelberg, Germany	Yanlan Mao	University College London, United Kingdom	Buffering of mechanical forces during pattern formation in animal development
Paola Patella	Italian	Harvard Medical School Boston, United States	Silvia Arber	University of Basel, Switzerland	Controlling forelimb actions through basal ganglia to brainstem signaling
Irma Querques	Italian	EMBL Heidelberg, Germany	Martin Jinek	University of Zurich, Switzerland	RNA-guided DNA insertion of CRISPR-associated transposons: From mechanisms to applications

Postdoctoral Fellowships awarded in 2020

EMBC Member States' nationals

Name	Nationality	Home institute	Group leader	Host institute	Project
Valentina Riva	Italian	Istituto di Genetica Molecolare - CNR Pavia, Italy	Claus M. Azzalin	University of Lisbon, Portugal	Dissecting the composition and functions of the telomeric deoxyribo/ribonucleoprotein: the missing building block of the puzzle
Bernadeta Dadonaite	Lithuanian	University of Oxford, United Kingdom	Jesse Bloom	Fred Hutchinson Cancer Research Center Seattle, United States	The impact of pre-existing cell states on influenza virus infection
Agnieszka Klosowska	Polish	Medical University Gdansk, Poland	Dan S. Tawfik	Weizmann Institute of Science Rehovot, Israel	The role of chaperones in de novo protein emergence
Maria Szaruga-Bracke	Polish	Katholieke Universiteit Leuven, Belgium	Anne Bertolotti	MRC Laboratory of Molecular Biology Cambridge, United Kingdom	Harnessing phospho-signalling pathways in protein quality control systems to foster cellular resilience in pathogenesis
Rita Adriano Batista	Portuguese	Swedish University of Agricultural Sciences Uppsala, Sweden	Vincent Castric	Université de Lille - Sciences et Technologies Villeneuve d'Ascq, France	Plant self-incompatibility systems: A window to microRNA evolution
Claudia Brito	Portuguese	University of Porto, Portugal	Thomas Surrey	Centro de Regulación Genómica (CRG) Barcelona, Spain	Dissecting the mechanisms of the regulation of gammaTuRC-mediated microtubule nucleation
Fernando Ricardo da Silva Ferreira	Portuguese	University of California Davis, United States	Elias Barriga	Instituto Gulbenkian de Ciência Oeiras, Portugal	Mechanical control of collective cell motion in vertebrate regeneration
Martim Dias Gomes	Portuguese	University of Cologne, Germany	Guillaume Charras	University College London, United Kingdom	Reverse engineering the mechanical control of gastrulation
João Silva	Portuguese	Utrecht University, Netherlands	Mei Hong	Massachusetts Institute of Technology (MIT) Cambridge (MA), United States	Structural properties of the Amyloid Precursor Protein in neuronal membranes

Postdoctoral Fellowships awarded in 2020

EMBC Member States' nationals

Name	Nationality	Home institute	Group leader	Host institute	Project
Joana Sousa	Portuguese	MPI für Biophysik Frankfurt, Germany	Alessandro Costa	Francis Crick Institute London, United Kingdom	Cryo-EM imaging of eukaryotic DNA replication fork progression and arrest
Ruben Vale	Portuguese	Sainsbury Wellcome Centre for Neural Circuits and Behaviour London, United Kingdom	Christopher Harvey	Harvard Medical School Boston, United States	Multi-area neural circuits for generating and predicting decisions and trajectories during goal-directed navigation
Marta Lukacisinova	Slovak	University of Cologne, Germany	Roy Kishony	Technion Haifa, Israel	Microbiome profiling as basis for personalized treatment of bacterial infections
Polona Jager	Slovenian	King's College London, United Kingdom	Pierre Vanderhaeghen	Université Libre de Bruxelles Brussels, Belgium	Impact of transplanted juvenile human cortical neurons on plasticity of adult mouse cortical circuits
Domen Kampjut	Slovenian	Institute of Science and Technology Austria (IST) Klosterneuburg, Austria	Ingo H. Greger	MRC Laboratory of Molecular Biology Cambridge, United Kingdom	Structures of peripheral and auxiliary subunits of AMPA receptor complexes
Noelia Anton-Bolanos	Spanish	Instituto de Neurociencias San Juan de Alicante, Spain	Paola Arlotta	Harvard University Cambridge, United States	Unraveling mechanisms that control the developmental speed of corticogenesis across species
Mario Avellaneda Sarrio	Spanish	FOM Institute AMOLF Amsterdam, Netherlands	Michael Sixt	Institute of Science and Technology Austria (IST) Klosterneuburg, Austria	Bioelectric patrolling: The role of the local membrane potential in immune cell migration
Antoni Beltran Marques	Spanish	Imperial College London, United Kingdom	Ben Lehner	Centro de Regulación Genómica (CRG) Barcelona, Spain	Understanding epigenetic inheritance and the structures of non-amyloid prions using deep mutagenesis
Almudena Chaves-Perez	Spanish	Centro Nacional de Investigaciones Oncológicas (CNIO) Madrid, Spain	Scott Lowe	Memorial Sloan-Kettering Cancer Center New York, United States	Dissecting the role of radiation-induced senescence in pancreatic therapy resistance

Postdoctoral Fellowships awarded in 2020

EMBC Member States' nationals

Name	Nationality	Home institute	Group leader	Host institute	Project
Irene Diaz	Spanish	Centre for Molecular Biology 'Severo Ochoa' Madrid, Spain	Venki Ramakrishnan	MRC Laboratory of Molecular Biology Cambridge, United Kingdom	Structural basis for eukaryotic translation initiation complex
Rafael Domínguez Acemel	Spanish	Universidad Pablo de Olavide Sevilla, Spain	Darío Jesús Lupiáñez García	Max-Delbrück-Centrum Berlin, Germany	Investigating the evolution of sex determining networks through comparative Single-cell Omics
Julia Falo Sanjuan	Spanish	University of Cambridge, United Kingdom	Michael Eisen	University of California Berkeley, United States	Predicting enhancer function from sequence through in silico evolution and high throughput screening
Marta García León	Spanish	Centro Nacional de Biotecnología (CNB) Madrid, Spain	Yasin Dagdas	Gregor Mendel Institute of Molecular Plant Biology Vienna, Austria	Evolutionary and mechanistic analyses of chloroplast recycling
Raul Ortiz	Spanish	Instituto de Biología Molecular de Barcelona (IBMB) Barcelona, Spain	Peter Scheiffele	Biozentrum University of Basel, Switzerland	Endogenous RNA-based sensors for neuronal homeostasis and plasticity
Miguel Palomino Segura	Spanish	Institute for Research in Biomedicine Bellinzona, Switzerland	Andrés Hidalgo Alonso	Centro Nacional de Investigaciones Cardiovasculares (CNIC) Madrid, Spain	Control of brain aging by a circadian-immune axis
Sergi Roig Puiggros	Spanish	Institut de la Vision Paris, France	Denis Jabaudon	University of Geneva, Switzerland	Area diversity of intracortically-projecting cortical neurons
Arturo Torres Herraiz	Spanish	Sorbonne University Paris, France	Christoph Kellendonk	Columbia University New York, United States	The role of striatal dopamine in sensory processing and false perceptions
Mireia Valles-Colomer	Spanish	Katholieke Universiteit Leuven, Belgium	Nicola Segata	University Trento, Italy	How gut microorganisms spread: High resolution metagenomic modelling of person-to-person transmission

Postdoctoral Fellowships awarded in 2020

EMBC Member States' nationals

Name	Nationality	Home institute	Group leader	Host institute	Project
Céline Dürst	Swiss	Zentrum für Molekulare Neurobiologie (ZMNH) Hamburg, Germany	Anthony Holtmaat	Medical Center Geneva, Switzerland	Synaptic input mapping during cortical map plasticity
Jonas Hartmann	Swiss	EMBL Heidelberg, Germany	Roberto Mayor	University College London, United Kingdom	Shaping fate: Charting the roles of cell morphology in developmental cell fate decisions
Raphael Hofmann	Swiss	ETH Zurich, Switzerland	Luciano Marraffini	Rockefeller University New York, United States	Elucidating CRISPR-Cas adaptation and interference during phage-host interaction with single-cell and temporal resolution
Merve Deniz Abdusselamoglu	Turkish	IMBA Vienna, Austria	Elaine Fuchs	Rockefeller University New York, United States	Deciphering how tissue stem cells make fate decisions
Can Aztekin	Turkish	London The Institute of Cancer Research, United Kingdom	Denis Duboule	University of Geneva, Switzerland	In vitro models of signalling centres to assess the effect of morphogen gradients on gene regulation

Postdoctoral Fellowships awarded in 2020

EMBC Associate Member States' nationals/EMBC Co-operation Partner States' nationals

Name	Nationality	Home institute	Group leader	Host institute	Project
Nagaraja Chappidi	Indian	University of Zurich, Switzerland	Simon Alberti	MPI für molekulare Zellbiologie und Genetik Dresden, Germany	The role of protein phase separation in DNA damage response and DNA repair
Joseph Mathew Kalappurakkal	Indian	Tata Institute of Fundamental Research Bangalore, India	Magdalena Zernicka-Goetz	University of Cambridge, United Kingdom	Understanding the role of substrate generated mechanical forces in self-organization during mammalian embryonic development
Joyita Mukherjee	Indian	University College London, United Kingdom	Jernej Ule	Francis Crick Institute London, United Kingdom	Molecular elucidation of the architecture of RNP condensates during development and disease
Vibhu Prasad	Indian	University of Zurich, Switzerland	Ralf Bartenschlager	Universität Heidelberg, Germany	Role of phosphatidic acid in double-membrane vesicle formation by virus infection and selective autophagy
Rochelle Tixeira	Indian	La Trobe University Melbourne, Australia	Kodi Ravichandran	Ghent University, Belgium	Determining the molecular mechanism of sperm: Oocyte fusion during mammalian fertilization
Lalanti Venkatasubramanian	Indian	Columbia University New York, United States	Marta Zlatic	University of Cambridge, United Kingdom	Systems-level circuit implementation of memory-based action selection
Edmund Chong	Singaporean	New York University, United States	Athena Akrami	University College London, United Kingdom	Location updating in spatial working memory
Kuo-Sheng Lee	Taiwanese	Max Planck Florida Institute of Neuroscience Jupiter, United States	Daniel Huber	University of Geneva, Switzerland	Unexplored territories of vibrotactile perception: How the medulla integrates and transforms the temporal code from the peripheral receptor?

Postdoctoral Fellowships awarded in 2020

Non-EMBC Member States' nationals

Name	Nationality	Home institute	Group leader	Host institute	Project
Juan Antonio Alonso Serra	Argentinean	University of Helsinki, Finland	Olivier Hamant	École Normale Supérieure Lyon, France	Mechanotransduction at the nucleus, an intracellular mechanism to sense the tissue context
Cristian Gabriel Beccaria	Argentinean	National University of Córdoba Córdoba, Spain	Matteo Iannaccone	San Raffaele Institute (HSR/TIGET) Milano, Italy	Deciphering the hepatic B cell-mediated immune responses
Nicolás Nieto Moreno	Argentinean	University of Buenos Aires, Argentina	Jesper Q. Svejstrup	University Copenhagen, Denmark	RNAPII stalling at DNA lesions and the transcriptional response to DNA damage
Ashleigh King	Australian	St Vincent's Institute of Medical Research, Australia	J. Ross Chapman	Wellcome Centre for Human Genetics Oxford, United Kingdom	Uncovering the ultimate effectors and activities of the 53BP1-dependent DNA repair pathway
Colette Moses	Australian	Telethon Kids Institute Nedlands, Australia	Frank Jacobs	University Amsterdam, Netherlands	Human-specific duplicated genes in neurodevelopmental disorders
Shannon Mostyn	Australian	University Sydney, Australia	Doryen Bubeck	Imperial College London, United Kingdom	Visualising complement-opsinised phagocytosis
Isis Nem De Oliveira Souza	Brazilian	Federal University of Rio de Janeiro, Brazil	Jean-Pierre Mothet	Université Paris-Saclay Gif-sur-Yvette, France	Principles governing the modulation of N-methyl-D-Aspartate (NMDA) receptors by their coagonists at GABAergic fast spiking interneurons
Natalie Bamford	Canadian	Hospital for Sick Children Toronto, Canada	Nicola Stanley-Wall	University of Dundee, United Kingdom	Structural frameworks – Understanding matrix interactions in biofilms
Sami Chaaban	Canadian	Université Montreal, Canada	Andrew P. Carter	MRC Laboratory of Molecular Biology Cambridge, United Kingdom	Cargo recruitment of the dynein transport machinery
Nitin Kapadia	Canadian	McGill University Montreal, Canada	Paul Nurse	Francis Crick Institute London, United Kingdom	Molecular dynamics of size sensing at the single cell level

Postdoctoral Fellowships awarded in 2020

Non-EMBC Member States' nationals

Name	Nationality	Home institute	Group leader	Host institute	Project
Alexa McIntyre	Canadian	Weill Cornell Medical College New York, United States	Lucas Pelkmans	University of Zurich, Switzerland	The role of phosphatase-DYRK3 kinase feedback in membraneless organelle regulation
Yinan Wan	Chinese	HHMI Janelia Research Campus Ashburn, United States	Alexander F. Schier	Biozentrum University of Basel, Switzerland	Formation of tissue boundaries during zebrafish embryogenesis
Chenchun Weng	Chinese	University of Science & Technology of China Hefei, China	Ben Lehner	Centro de Regulación Genómica (CRG) Barcelona, Spain	DeepAllostery: Comprehensive identification of allosteric sites in the oncogenic molecular switch Ras
Xixi Zhang	Chinese	Institute of Science and Technology Austria (ISTA) Klosterneuburg, Austria	Ari Pekka Mähönen	University of Helsinki, Finland	A molecular framework for vascular cambium regeneration in Arabidopsis roots
Sergio A. Munoz-Gomez	Colombian	Arizona State University The Center for Evolution & Medicine, United States	Purificación López-García	Université de Paris-Sud Orsay, France	Using resolved metagenomics and sophisticated phylogenetics to infer the metabolism of the mitochondrial ancestor
Amir Pandi	Iranian	INRA Jouy-en-Josas, France	Tobias J. Erb	MPI für terrestrische Mikrobiologie Marburg, Germany	DNA-encoded synthetic CO ₂ fixation for metabolic production using in vitro transcription-translation systems
Hiroyuki Iida	Japanese	Osaka University Toyonaka, Japan	Ari Pekka Mähönen	University of Helsinki, Finland	Bipotency of cork-cambium stem-cell
Wayo Matsushima	Japanese	University of Cambridge, United Kingdom	Didier Trono	Swiss Federal Institute of Technology Lausanne, Switzerland	Lineage-specific gene regulatory networks in tetrapods mediated by the SCAN domain-containing zinc-finger protein family
Shingo Nakazawa	Japanese	National Institute of Genetics (NIG) Shizuoka, Japan	Denis Jabaudon	University of Geneva, Switzerland	Area-specific transcriptional dynamics and plasticity of neocortical neurons

Postdoctoral Fellowships awarded in 2020

Non-EMBC Member States' nationals

Name	Nationality	Home institute	Group leader	Host institute	Project
Keisuke Takeda	Japanese	University of Pharmacy and Life Sciences Tokyo, Japan	Luca Scorrano	Università di Padova, Italy	Exploring the role of protein aggregate segregation in mitochondrial quality control
Melvin Jesus Noe Gonzalez	Mexican	Stowers Institute Kansas City, United States	Jesper Q. Svejstrup	Francis Crick Institute London, United Kingdom	STK19 as a key factor during transcription recovery after DNA damage
Kirill Kovalev	Russian	Institut de Biologie Structurale Grenoble, France	Thomas Schneider	EMBL Hamburg, Germany	Understanding structure and function of channelrhodopsins via time-resolved crystallography
Aleksandra Vancevska	Serbian	Swiss Federal Institute of Technology Lausanne, Switzerland	Simon Boulton	Francis Crick Institute London, United Kingdom	Elucidating the regulation of PolTheta and its role in evolution of cancer genomes
Haram Park	South Korean	Institute for Basic Science Daejeon, Republic of Korea	Gero Miesenböck	University of Oxford, United Kingdom	Does mitochondrial energy metabolism regulate sleep in flies and mammals?
Bradley Edelman	US-American	Stanford University School of Medicine, United States	Nadine Gogolla	MPI für Neurobiologie Martinsried, Germany	Brain-wide neural correlates of emotion states and features in behaving mice
Zachary Harvey	US-American	Stanford University School of Medicine, United States	Frédéric Berger	Gregor Mendel Institute of Molecular Plant Biology Vienna, Austria	Mapping chromatin remodeler function in DNA repair
Terra Kuhn	US-American	University of Pennsylvania Philadelphia, United States	Sara Cuylen-Haering	EMBL Heidelberg, Germany	Identification and characterization of novel regulators of mitotic chromosome individualization and coalescence
Jonathan Lambert	US-American	Temple University, United States	Luca Scorrano	Università di Padova, Italy	Determining the metabolic sensing capability of mitochondrial cristae

Postdoctoral Fellowships awarded in 2020 Non-EMBC Member States' nationals

Name	Nationality	Home institute	Group leader	Host institute	Project
Diana Liao	US-American	Princeton University, United States	Andreas Nieder	Universität Tübingen, Germany	Investigating the behavioral and neural foundations of vocal flexibility in corvid songbirds
Ashley Libby	US-American	University of California San Francisco, United States	James Briscoe	The Francis Crick Institute London, United Kingdom	Investigating the genetic mechanisms that balance tissue production by neuro-mesodermal progenitors
Cole Sitron	US-American	University Stanford, United States	F. Ulrich Hartl	MPI für Biochemie Martinsried, Germany	Understanding the role of a polyalanine expansion mutation in muscle decline
Duc Nguyen	Vietnamese	National Cancer Center Goyang-si, Republic of Korea	Joanna Rorbach	Karolinska Institutet Stockholm, Sweden	Structural characterization of protein synthesis in human mitochondria

EMBO Postdoctoral Fellowships 2020: Geographical distribution Applications

Destination	Nationality	Austrian	Belgian	British	Croatian	Czech	Danish	Dutch	Eastern European	Estonian	Finnish	French	German	Greek	Hungarian	Icelandic	Indian (A)	Irish	Israeli	Italian	Lithuanian	Luxembourgian	Maltese	Montenegrin	Norwegian	Others	Polish	Portuguese	Singaporean (A)	Slovak	Slovenian	Spanish	Swedish	Swiss	Turkish	USA/Canada	Total	
Austria		1		2				1				1	6		1		2	2	8							5	1	1		2		5	1		5	44		
Belgium		1	1	1				2				5	2				2	1	1							9					1	3				1	30	
Croatia																																						
Czech Republic									1								2			1						1				1	2						8	
Denmark				3		1		4	1			1	2	1	2		5		1	1						10	2					7	1			1	43	
Eastern Europe													1						1																		2	
EMBL				1		1	1	1	1		1	2	1	1	1		3			1						6		1			3					1	26	
Estonia																																						
Finland				1							1	2			1											4		2									11	
France				1	4	1	1	3	2			10	3	2	1	18			10	1					21	1	3			10					1	5	98	
Germany		1	3	4		3		2	2		2	9	13	1	2	16	1	1	12	1					34	2	2		1	1	14		1	3	9	140		
Greece														2			1																				3	
Hungary																																						
Iceland																																						
India (A)																	1																		1		2	
Ireland												1					2	1								1					1					1	7	
Israel		1				2						1	7	2		4		1				1			2	1			2							24		
Italy		1										1	1			2			4						10	2	1			4				1	1	28		
Lithuania																					1					1											2	
Luxembourg																																						
Malta																																						
Montenegro																																						
Netherlands			2	3				2	3			5	6			5		2							9				1	2					1	2	43	
Norway					1						1	2				1									2										1		9	
Others			1	2	1		1	2				1	2					1	3	1					2	3										22		
Poland									1							1																					3	
Portugal									1			2							2						2		7			6							20	
Singapore (A)												2	1			2									1												6	
Slovak Republic																																						
Slovenia																										1												1
Spain			1	1					2			1	1	2		2			5						15		1			7						3	41	
Sweden		1	2		1		2	2	1			3	11		1	3		1							13	1			1	1					1	3	48	
Switzerland		1	2	8	2	2	2	4	4		2	16	10	1	3	12		2	12						1	19	1	3	2	12			3	2	8	134		
Turkey									2																	1											3	
United Kingdom		3	1	5				8	3	1	1	15	21	2		21	1	4	16						33	4	6	1		1	26	1	2	2	11	189		
USA/Canada		8	8	26	3	1	3	10	2		5	41	34	9	3	4	2	43	24	2					6	2	7		2	3	40	1	3	8		300		
Total		18	20	63	8	12	7	41	27	2	13	119	124	23	15	109	6	59	101	5	1	1	1	208	20	34	1	12	6	146	4	13	18	51	1287			

EMBO Postdoctoral Fellowships 2020: Geographical distribution Awards

Destination	Nationality	Austrian	Belgian	British	Croatian	Czech	Danish	Dutch	Eastern European	Estonian	Finnish	French	German	Greek	Hungarian	Icelandic	Indian (A)	Irish	Israeli	Italian	Lithuanian	Luxembourgian	Maltese	Montenegrin	Norwegian	Others	Polish	Portuguese	Singaporean (A)	Slovak	Slovenian	Spanish	Swedish	Swiss	Turkish	USA/Canada	Total
Austria				1			1					3						1												2					1	9	
Belgium							1				1					1		1											1								5
Croatia																																					
Czech Republic																																					
Denmark							1																		1												2
Eastern Europe																																				1	2
EMBL								1																												1	2
Estonia																																					
Finland																										2											2
France											1		3		1		2		1							3	1									3	7
Germany			1								1	3		1		2			1						1						1				3	14	
Greece																																					
Hungary																																					
Iceland																																					
India (A)																																					
Ireland																																					
Israel											1	1														1		1									4
Italy																										2					1				1		4
Lithuania																																					
Luxembourg																																					
Malta																																					
Montenegro																																					
Netherlands							1				1	1								1					1												5
Norway																																					
Others																	1																				1
Poland																																					
Portugal																				1								1									2
Singapore (A)																																					
Slovak Republic																																					
Slovenia																																					
Spain														1												1	1				2						5
Sweden												2														1											3
Switzerland	1	2					1			1	1	1		2				2	3							4				2		1	1	1	1	23	
Turkey																																					
United Kingdom	2	1	2				1	1				3				3		4	1						4	1	2	1		1	1		1		4	33	
USA/Canada	3	5				1	1					3	3					3	1	1								2			4		1	1		29	
Total	6	1	11			1	7	2		1	6	17	4	4		6	12	9	1					20	2	7	1	1	2	13		3	2	11	150		

EMBO Short-Term Fellowships →→

EMBO Short-Term Fellowships fund research exchanges of up to three months between laboratories in between laboratories in EMBC Member States, Associate Member States and countries and territories covered by a co-operation agreement. The fellowships facilitate collaborations with research groups with expertise techniques or infrastructure that is unavailable in the applicant's laboratory.

Applications and awards 2016 – 2020

Country from*	Applications	% of total	Awards	% of total	Success rate %
Austria	32	1	22	2	69
Belgium	39	2	27	2	69
Croatia	15	1	9	1	60
Czech Republic	44	2	26	2	59
Denmark	40	2	27	2	68
Estonia	2	<1	2	<1	100
Finland	21	1	11	1	52
France	70	3	45	3	64
Germany	112	5	70	5	63
Greece	42	2	24	2	57
Hungary	25	1	15	1	60
Iceland	0	0	0	0	0
India (A)	203	9	95	7	47
Ireland	25	1	14	1	56
Israel	48	2	34	3	71
Italy	232	10	137	10	59
Lithuania	1	<1	1	<1	100
Luxembourg	1	<1	0	<1	0
Malta	2	<1	1	<1	50
Montenegro	1	<1	1	<1	100
Netherlands	84	4	56	4	67
Norway	6	<1	4	<1	67
Poland	61	3	42	3	69
Portugal	62	3	32	2	52
Singapore (A)	3	<1	3	<1	100
Slovak Republic	4	<1	3	<1	75
Slovenia	13	1	7	1	54
Spain	692	29	371	28	54
Sweden	29	1	22	2	76
Switzerland	33	1	26	2	79
Turkey	48	2	25	2	52
United Kingdom	142	6	104	8	73
EMBL	3	<1	2	<1	67
Eastern Europe	19	1	6	<1	32
United States/Canada	27	1	9	1	33
Others	173	7	43	3	25
Total	2354	100	1316	100	56

EMBO Short-Term Fellowships: Statistics Applications and awards 2016 – 2020

Year	Applications	Awards	Success rate %
2020	332	215	65
2019	554	349	63
2018	598	337	56
2017	588	281	48
2016	618	350	57

EMBO Short-Term Fellowships awarded in 2020

Name	Nationality	Home institute	Group leader	Host institute	Project
Ayelen Melina Santamans	Argentinean	Centro Nacional de Investigaciones Cardiovasculares (CNIC) Madrid, Spain	Nadia Mercader Huber	University Bern, Switzerland	Role of mitochondrial protein MCJ in cardiac regeneration
Gisela Zalcan	Argentinean	Grenoble Institut des Neurosciences La Tronche, France	Ingo Willuhn	Netherlands Institute for Neuroscience Amsterdam, Netherlands	In vivo striatal neural dynamics during motor skill learning
Amanda Lewis	Australian	University of Basel, Switzerland	Wilma Van De Berg	VU University Amsterdam, Netherlands	A nanoscale view of Lewy pathology in post-mortem human brain
Markus Galhuber	Austrian	Medical University Graz, Austria	Albert J.R. Heck	Utrecht University, Netherlands	Hepatic p53 interactome under nutrient stress
Nusrat Sultana	Bangladeshi	Nigde Omer Halisdemir University Nigde, Turkey	Joan Vallès	Universitat de Barcelona Barcelona, Spain	Genome size and cytogenetic analyses in mango, and jackfruit, two tropical fruit crops, their varieties and wild relatives
Elias Adriaenssens	Belgian	University Antwerp, Belgium	Thomas Langer	Max Planck Institute for Biology of Ageing Cologne, Germany	Characterization of a novel chaperone-system in the mitochondrial intermembrane space
Ilias El Houari	Belgian	Ghent University, Belgium	Ottoline Leyser	University of Cambridge, United Kingdom	Further uncovering the ties between the phenylpropanoid pathway and auxin transport
Lies Moonen	Belgian	University Antwerp, Belgium	Elena Lazzeri	Università degli Studi Firenze, Italy	Evaluation of the renal epithelial regenerative potential during nephrectomy-induced enhanced recovery after acute kidney injury
Isabela Maria Fernandes De Oliveira	Brazilian	University and Research Wageningen, Netherlands	Elizabeth M H Wellington	University of Warwick Coventry, United Kingdom	Microbiota as a source of new antimicrobials and colonization resistance against Streptococcus suis
Maria Chatzifrangkeskou	British	University of Oxford, United Kingdom	Jan Brábek	Charles University in Prague Prague, Czech Republic	ATR-mediated RASSF1A phosphorylation in response to mechanical stress

EMBO Short-Term Fellowships awarded in 2020

Name	Nationality	Home institute	Group leader	Host institute	Project
Emily Faulkner	British	University Leeds, United Kingdom	Stefan Knapp	Goethe University Frankfurt, Germany	Investigating the selectivity of ATP-binding fragments in the development of kinase targeting chemical probes
Alexandra Hendry	British	University of Kent Canterbury, United Kingdom	Ana Isabel Azuaga Fortes	Universidad Granada, Spain	Differential scanning calorimetry of Chloride Intracellular Channel 1, to investigate the unfolding of this medically relevant protein under different conditions
Dinesh Kumar Kandaswamy	British	Cardiff University, United Kingdom	Kyung-Min Noh	EMBL Heidelberg, Germany	Unravelling the molecular mechanism behind low level laser light treatment in a mitochondrial optic neuropathy model
Mariya Genova	Bulgarian	Institut Curie Orsay, France	Marcus Braun	Prague Institute of Biotechnology, Czech Republic	Determining the impact of tubulin polyglutamylation on the formation of Tau Islands on microtubules
Hongfei Li	Chinese	University and Research Wageningen, Netherlands	Diana Santelia	ETH Zurich, Switzerland	Tracking the route of carbon in salty plants
Qian Ma	Chinese	University Gent, Belgium	Asaph Aharoni	Weizmann Institute of Science Rehovot, Israel	Characterization of brassinosteroids spatial distribution in arabidopsis root by mass spectrometry imaging
Yicheng Wu	Chinese	University of Zurich, Switzerland	Xiling Shen	Duke University Durham, United States	Live imaging of neocortical neurogenesis in the developing mouse brain
Hongbo Yuan	Chinese	Katholieke Universiteit Leuven, Belgium	Egbert Oosterwijk	Radboud University Nijmegen, Netherlands	Contribution of nascent matrix deposition in cell-mediated matrix remodeling
Anamarija Butkovic	Croatian	I2SYSBIO Paterna, Spain	Mart Krupovic	Institut Pasteur Paris, France	Deep phylogenetic relationships and history of viral RNA helicases of Superfamilies 1 and 2
Nenad Mardetko	Croatian	University Zagreb, Croatia	Roland Ludwig	University of Natural Resources & Life Sciences (BOKU) Vienna, Austria	Screening of fungi for lignocellulolytic enzymes

EMBO Short-Term Fellowships awarded in 2020

Name	Nationality	Home institute	Group leader	Host institute	Project
Tomislav Radić	Croatian	University Split, Croatia	Pasquale Saldarelli	CNR Bari, Italy	Transcriptome profiling of Grapevine Pinot gris Virus (GPGV) infected grapevines
Antonio Zandona	Croatian	Institute for Medical Research and Occupational Health Zagreb, Croatia	Vera Neves	Instituto de Medicina Molecular João Lobo Antunes Lisbon, Portugal	HBEC-5i human blood-brain barrier model for oxime antidote transport studies: cultivation, integrity and penetration
Vladimir Zanki	Croatian	University Zagreb, Croatia	Jeff Errington	Newcastle University, United Kingdom	The requirement for type 1 isoleucyl-tRNA synthetase in Bacillus spore development
Stephanie Menikou	Cypriot	Imperial College London, United Kingdom	Francis Impens	VIB - Flanders Institute for Biotechnology Ghent, Belgium	Proteomic profiling in serum to unravel and identify the causative agent(s) of Kawasaki disease.
Michal Danek	Czech	Academy of Sciences of the Czech Republic Prague, Czech Republic	Cyril Zipfel	University of Zurich, Switzerland	Characterization of FLOTILLINS and hypersensitive-induced response proteins in plant receptor kinase-mediated immune signalling
Monika Kopeckova	Czech	University of Hradec Kralove Hradec Kralove, Czech Republic	Thomas Henry	Centre International de Recherche en Infectiologie Lyon, France	Deciphering the moonlighting function of Francisella tularensis GAPDH using CRISPR-Cas9
Anna Kotrbová	Czech	Masaryk University Brno, Czech Republic	Bruno Costa-Silva	Champalimaud Centre for the Unknown Lisbon, Portugal	Characterizing populations and biodistribution of ovarian cancer-derived extracellular vesicles
Petra Paclíková	Czech	Masaryk University Brno, Czech Republic	Gunnar Schulte	Karolinska Institutet Stockholm, Sweden	New ways for probing Frizzled-Dishevelled dynamic interactions
Nataly Olivia Allasi Canales	Danish	University Copenhagen, Denmark	Oscar Alejandro Perez Escobar	Royal Botanic Gardens Kew Richmond, United Kingdom	Population genomics of cultivated forests of Cinchona species in the 19th and 20th centuries
Simranjeet Kaur	Danish	Steno Diabetes Center Gentofte, Denmark	Claudia Kutter	Scielife Lab Stockholm, Sweden	Functional characterization of noncoding RNAs as regulators of pancreatic β -cell dysfunction

EMBO Short-Term Fellowships awarded in 2020

Name	Nationality	Home institute	Group leader	Host institute	Project
Isabel Schwarz	Danish	University of Copenhagen Frederiksberg, Denmark	Kathryn S. Lilley	University of Cambridge, United Kingdom	Uncovering tandem transcriptional interference in Arabidopsis thaliana with quantitative single-locus proteomics
Jose Aguasvivas	Dominican	Basque Center on Cognition Brain and Language, Spain	Marco Zorzi	Università di Padova, Italy	Discovering orthographic structure from bilingual input using artificial neural networks
Mohammad Alsady	Dutch	Radboud University Nijmegen, Netherlands	Francesco Saverio Tedesco	University College London, United Kingdom	Patient-derived skeletal muscle as a model to investigate treatments for metabolic myopathies
Daphne Smits	Dutch	Erasmus University MC Rotterdam, Netherlands	Laurent Nguyen	University Liège, Belgium	The role of neutral sphingomyelinase-3(SMPD4) during embryonic brain development in mice
Menno Spits	Dutch	University Medical Centre Leiden, Netherlands	Stefan Marciniak	University of Cambridge, United Kingdom	Mobile late endosomes generate peripheral ER network architecture
Joost Van Meerwijk	Dutch	Centre de Physiopathologie de Toulouse-Purpan Toulouse, France	Ana Sousa	Instituto de Medicina Molecular João Lobo Antunes Lisbon, Portugal	Assessing the parallels between development of regulatory T lymphocytes in the mouse and the human thymus
Maris Hindrikson	Estonian	University Tartu, Estonia	Thomas Gilbert	University Copenhagen, Denmark	Palaeogenomic reconstruction of canine Y chromosome evolution
Pascal Bernard	French	École Normale Supérieure Lyon, France	Katsuhiko Shirahige	University of Tokyo, Japan	Understanding how chromatin accommodates condensin SMC complexes to shape mitotic chromosomes in human cultured cells
Loic Broix	French	University Liège, Belgium	Marina Mikhaylova	Zentrum für Molekulare Neurobiologie (ZMNH) Hamburg, Germany	Mechanism of vesicular ATAT1 relocation in the microtubule lumen
Clémence Cuzin	French	CNRS Marseille, France	Stephane Mesnage	University Sheffield, United Kingdom	Identification of the peptidoglycan motifs that provoke the formation of rippling waves

EMBO Short-Term Fellowships awarded in 2020

Name	Nationality	Home institute	Group leader	Host institute	Project
Stéphane Pont	French	Interdisciplinary Research Institute of Grenoble (IRIG), France	Laurence Van Melderen	Université Libre de Bruxelles Gosselies, Belgium	Characterization of complement-resistant persisters in human plasma using single cell analysis
Eva Renard	French	CNRS Strasbourg, France	Daniel Wilson	University Hamburg, Germany	Cryo-EM structures of aminoglycoside derivatives in complex with ribosomes from pathogenic bacteria
Vanessa Bieker	German	Norwegian University of Science & Technology (NTNU) Trondheim, Norway	Thomas Sichert-Pontén	University Copenhagen, Denmark	Unraveling changes in the metagenomic composition over time after an invasion process in <i>Ambrosia artemisiifolia</i>
Paul-Christian Burda	German	Centre for Structural Systems Biology (CSSB) Hamburg, Germany	Anne-Claude Gavin	University of Geneva, Switzerland	Lipid interactions of the essential lipocalin in the human malaria parasite <i>Plasmodium falciparum</i>
Joel Fernandes	German	MPI für Züchtungsforschung Köln, Germany	Thomas Kroj	Campus International de Baillarguet Montpellier, France	A comparative analysis of immunity-activated stress hormone networks in <i>Arabidopsis</i> and rice (<i>Oryza sativa</i>)
Laura Johanna Gebhard	German	Max-Planck-Institut für Marine Mikrobiologie Bremen, Germany	Elina Roine	University of Helsinki, Finland	Surface structure and lipid composition analysis of a novel class of membrane vesicle
Janine Liedtke	German	Norwegian University of Life Sciences (UMB) Ås, Norway	Han Remaut	Vrije Universiteit (VUB) Brussels, Belgium	Characterization of surface appendages on <i>Bacillus cereus</i> spores: their genetic identity, protein composition, and functional significance
Michael Orlich	German	Universität Tübingen, Germany	Konstantin Gaengel	Uppsala University, Sweden	Serum response factor is crucial for mural cell function and vascular development
Steffen Plunder	German	University Vienna, Austria	Eric Theveneau	Université Paul Sabatier Toulouse, France	Modelling heterogeneity of cell dynamics and tissue mechanics during epithelial-mesenchymal transition
Anna-Maria Schaffer	German	Universität Freiburg, Germany	Yolanda Carrasco	Centro Nacional de Biotecnología (CNB) Madrid, Spain	Molecular mechanisms of Cav1-mediated nanoscale distribution of the B cell antigen receptor

EMBO Short-Term Fellowships awarded in 2020

Name	Nationality	Home institute	Group leader	Host institute	Project
Henrike Sczakiel	German	Max Planck Institute for Molecular Genetics Berlin, Germany	Romain Koszul	Institut Pasteur Paris, France	Generation of customized synthetic gene regulatory landscapes
Svenja Vinke	German	University Bielefeld, Germany	Ehmke Pohl	Durham University (UK), United Kingdom	Structure and function of a novel tRNA-aminoacyl-synthetase capable of incorporating a non-canonical amino acid
Ralf Wellinger	German	CABIMER Sevilla, Spain	Claudio De Virgilio	Université Fribourg, Switzerland	Exploring new links between micronutrient homeostasis and TORC1 activation
Oliver Weth	German	Justus-Liebig-Universität Giessen, Germany	James Collins	University of Texas Southwestern Medical Center Dallas, United States	Whole mount in situ hybridization for enhanced detection and localization of <i>Schistosoma mansoni</i> GPCR and neuropeptide mRNA
Ornela Chase	Greek	Centre for Research in Agricultural Genomics (CRAG) Cerdanyola del Vallès, Spain	George Lomonosoff	John Innes Centre Norwich, United Kingdom	Hindering the dissemination of sweet potato viruses by transient expression of transmission-interfering virus-like particles (VLPs) in plants
Anastasios Liakos	Greek	BSRC Alexander Fleming Vari, Greece	Argyris Papantonis	University Medical Center Göttingen, Germany	Unveiling aspects of human rare neurodegenerative disorders through dissection of 3D chromatin organization
Konstantinos Palikaras	Greek	IMBB - FORTH Heraklion, Greece	Thorsten Hoppe	University of Cologne, Germany	The role of Parkin - CHIP interplay in the regulation mitochondrial quality control mechanisms
Georgia Papadaki	Greek	National and Kapodistrian University Athens, Greece	Nikolaos Sgourakis	University of California Santa Cruz, United States	Integrative structural approaches for understanding the mechanism underlying the control of gating and specificity by cytoplasmic termini of transporters
Sofia Papadogkonaki	Greek	University of Crete Heraklion, Greece	Patricia Boya	Centro de Investigaciones Biológicas (CIB / CSIC) Madrid, Spain	Evaluation of autophagic flux in cannabinoid-treated retinal cultures

EMBO Short-Term Fellowships awarded in 2020

Name	Nationality	Home institute	Group leader	Host institute	Project
Sofia Vasilakaki	Greek	National and Kapodistrian University Athens, Greece	Fabio Zuccotto	University of Dundee, United Kingdom	Design of potent and selective inhibitors using multi-parameter optimization and machine learning approaches
Ana Lucía Rodas Méndez	Guatemalan	Universidad Politecnica Valencia, Spain	Dolf Weijers	Wageningen University, Netherlands	MtSUPERMAN becomes a superkiller in <i>M. truncatula</i>
Laszlo Dobson	Hungarian	Research Centre for Natural Sciences Budapest, Hungary	Toby Gibson	EMBL Heidelberg, Germany	A computational framework to characterize the secretion of SLiM-containing effector proteins of <i>Leishmania</i> parasites
Kamilla Gömöri	Hungarian	University Szeged, Hungary	Nazha Hamdani	Ruhr-Universität Bochum, Germany	Investigation of structural changes in cardiomyocytes from volume overload-induced heart failure
Budhaditya Chatterjee	Indian	Indian Institute of Technology Delhi, India	Alessandra Agresti	San Raffaele Institute (HSR/TIGET) Milano, Italy	Role of pathway crosstalk between the canonical and non-canonical NF-kappaB pathways in regulating the heterogeneity of the cellular RelA NF-kappaB response
Ankur Gadgil	Indian	Adam Mickiewicz University Poznan, Poland	Leena Latonen	University of Eastern Finland Kuopio, Finland	The role of FUS protein and U7 small nuclear ribonucleoprotein (U7 snRNP) complex in prostate cancer
Avinash Gahane	Indian	Indian Institute of Technology Kanpur, India	Ron M.a. Heeren	University Maastricht, Netherlands	Identification and characterization of amyloids and amyloid forming proteins in cereals and pulses
Dushyant Kumar Garg	Indian	Jawaharlal Nehru University New Delhi, India	Martino Bolognesi	Università degli Studi Milano, Italy	Understanding the structural underpinning of the conformational heterogeneity in the aggregates of TDP-43 low complexity domain, formed in different physico-chemical conditions
Trinath Jamma	Indian	Birla Institute of Technology and Science Pilani Hyderabad, India	Beatrice Romagnolo	Institut Cochin Paris, France	Implications of autophagy at the crossroads of gut immune homeostasis and intestinal self-renewal

EMBO Short-Term Fellowships awarded in 2020

Name	Nationality	Home institute	Group leader	Host institute	Project
Avinash Kamble	Indian	Savitribai Phule Pune University Pune, India	Antonio Di Pietro	National University of Córdoba Córdoba, Spain	Unravelling the root sensing and chemotrophic interactions between the vascular wilt pathogen <i>Fusarium udum</i> and its host Pigeon pea
Abhishek Kanyal	Indian	Indian Institute of Science Education and Research Pune, India	Moritz Treeck	Francis Crick Institute London, United Kingdom	Investigating the role of PfHDAC1 as an epigenetic regulator of artemisinin resistance in <i>Plasmodium falciparum</i> using an inducible overexpression transgenic system
Syamantak Majumder	Indian	Birla Institute of Technology and Science Pilani, India	Masaomi Nangaku	University of Tokyo, Japan	Epigenetic landscape of glomerular endothelial cell dysfunction during chronic and acute kidney injury
Khyati Mehta	Indian	The Maharaja Sayajirao University of Baroda Vadodara, India	Jerome Collemare	Westerdijk Institute Utrecht, Netherlands	Linking host specificity of cereal blast fungal pathogen to the diversity of secondary metabolite biosynthetic pathways
Nitesh Mishra	Indian	All India Institute of Medical Sciences (AIIMS) New Delhi, India	Max Crispin	University Southampton, United Kingdom	Exploration of the molecular architecture of glycan shield on clade C native-like SOSIP trimer to guide HIV-1 immunogen design
Subhash Rajpurohit	Indian	Ahmedabad University, India	David Hosken	University of Exeter, United Kingdom	Variability in insect hydrocarbons and their role in desiccation tolerance
Rishith Ravindran	Indian	Indian Institute of Science Education and Research Thiruvananthapuram, India	Paul Verkade	University of Bristol, United Kingdom	Characterization of the role of endosomes in mitophagy
Sheethal Reghu	Indian	Japan Advanced Institute of Science and Technology (JAIST) Ishikawa, Japan	Mikkel Girke Jørgensen	University of Southern Denmark Odense, Denmark	Augmenting the transporter to enhance its substrate spectrum: Teaching an old horse new tricks
Priyanshu Srivastava	Indian	International Centre for Genetic Engineering New Delhi, India	Julia Skokowa	Universität Tübingen, Germany	Generation of hsa-miR-122b and/or its putative target knockout transgenic cell using CRISPR Cas9 technique

EMBO Short-Term Fellowships awarded in 2020

Name	Nationality	Home institute	Group leader	Host institute	Project
Geetika Verma	Indian	Jawaharlal Nehru University New Delhi, India	Frank Sobott	University Leeds, United Kingdom	Hydrogen Deuterium Exchange (HDX) and Fast Photochemical Oxidation of Proteins (FPOP): Higher order structural characterization of alpha-synuclein and its familial mutants
Kieran Joyce	Irish	National University of Ireland Galway, Ireland	Daisuke Sakai	Tokai University Tokyo, Japan	An injectable glyco-functionalised hyaluronic acid hydrogel for intervertebral disc regeneration
Alice Kennedy	Irish	Katholieke Universiteit Leuven, Belgium	John Doonan	University Aberswyth, United Kingdom	Root phenotypes of flowering time alleles
Alon Israeli	Israeli	Hebrew University Jerusalem, Israel	Dolf Weijers	Wageningen University, Netherlands	Evolution of the interaction between the plant hormones auxin and Gibberellin
Yael Noy	Israeli	Tel Aviv University, Israel	Brigitte Malgrange	University Liège, Belgium	The regulatory role of microRNAs in the mammalian auditory system
Aviyah Peri	Israeli	Weizmann Institute of Science Rehovot, Israel	Michael Angelo	Stanford University, United States	Delineating the effect of intra-tumor heterogeneity and checkpoint blockade on anti-tumor immunity in a melanoma mouse model using high-dimensional multiplexed imaging
Daniel Stein	Israeli	Ben-Gurion University of the Negev Beer-Sheva, Israel	Björn Schumacher	University of Cologne, Germany	SIRT6 regulation of proteostasis in the brain
Angelo Ascani	Italian	Medical University Graz, Austria	Elisabet Stener-Victorin	Karolinska Institutet Stockholm, Sweden	IM.PACT (IMmunization Pilot with Autoreactive Cells Transfer): Expression of androgen-driven B cell dysregulation and auto reactivity in Polycystic Ovary Syndrome
Arianna Basile	Italian	Università di Padova, Italy	Ines Thiele	National University of Ireland Galway, Ireland	Integrated analyses of longitudinal metabolome data in long-term time course of a cohort of patients affected by Crohn's disease

EMBO Short-Term Fellowships awarded in 2020

Name	Nationality	Home institute	Group leader	Host institute	Project
Andrea Berardi	Italian	San Raffaele Institute / DIBIT Milano, Italy	Patrick Cramer	MPI für biophysikalische Chemie Göttingen, Germany	Structural investigation of the complex formed by H3K27-methylated nucleosome and the tandem PHD finger PHDvC5HCH of NSD2
Electra Athena Salome' Brunialti	Italian	Università degli Studi Milano, Italy	Francesca Peri	University of Zurich, Switzerland	In vivo study of microglia dysfunctions in lysosomal storage disorders
Daniele Bruno	Italian	University of Insubria Varese, Italy	Leen Van Campenhout	Katholieke Universiteit Leuven, Belgium	Monitoring of Salmonella spp. transit through the digestive system of Hermetia illucens larvae
Federica Cella	Italian	University Genoa, Italy	Mustafa Khammash	ETH Zürich Basel, Switzerland	Development of a resource-aware model for effective design of multi-input synthetic circuits
Sara Coletta	Italian	Università di Padova, Italy	Thomas F. Meyer	Universität Kiel, Germany	A primary human macrophage-mucosoid co-culture model to investigate Helicobacter pylori infection
Lucia Coppo	Italian	Karolinska Institutet Solna, Sweden	Ivan Gout	University College London, United Kingdom	Exploring glutaredoxins as de-CoAlating enzymes
Chiara Currà	Italian	IMBB - FORTH Heraklion, Greece	Guido Favia	Università Camerino, Italy	Molecular interactions of Plasmodium Oocyst Rupture Proteins (ORPs) at the oocyst stage
Chiara Dal Secco	Italian	Università degli Studi Udine, Italy	Prisca Liberali	Friedrich Miescher Institute Basel, Switzerland	Crosstalk between Mast cells and epithelial cells in colon organoid development
Maria Concetta Eliso	Italian	Stazione Zoologica 'Anton Dohrn' Napoli, Italy	Rémi Dumollard	Observatoire Océanologique Villefranche-sur-mer, France	Neurodevelopmental toxicity of polystyrene NP in ascidian: morphometric characterization, ontogeny and molecular mechanisms
Alessio Gerussi	Italian	Università degli Studi Milano, Italy	Viviane Slon	Tel Aviv University, Israel	Defining the role of archaic genetic variants in the susceptibility to autoimmune diseases

EMBO Short-Term Fellowships awarded in 2020

Name	Nationality	Home institute	Group leader	Host institute	Project
Mattia La Torre	Italian	Università 'La Sapienza' Roma, Italy	Wenting Zhao	Nanyang Technological University Singapore, Singapore	Use of genetic and mechanical stress to study the implication of nuclear envelope integrity in the aging phenotype
Nataschia Malerba	Italian	Casa Sollievo della Sofferenza San Giovanni Rotondo, Italy	Stephanie Protze	University of Toronto, Canada	hiPSC-derived sinoatrial cells as a biological pacemaker to dissect the heart phenotype caused by G-protein beta5 subunit mutations in IDDCA syndrome
Mirko Minini	Italian	University of Rome 'Sapienza' Rome, Italy	Andrea Alimonti	Oncology Institute of Southern Switzerland (IOSI) Bellinzona, Switzerland	Elucidation about the role of α -ketoglutarate for inducing senescence in prostate cancer
Luca Morelli	Italian	Centre for Research in Agricultural Genomics (CRAG) Cerdanyola del Vallès, Spain	Félix Kessler	University Neuchâtel, Switzerland	Exploring the potential of artificial leaf chromoplasts as new storage structures for valuable metabolites
Giulia Maria Nava	Italian	Università degli Studi Milano, Italy	Grant Brown	University of Toronto, Canada	Synthetic Genetic Array (SGA) analysis to find interactors of TLS Polymerase η under replication stress
Giulia Paiardi	Italian	University Brescia, Italy	Rebecca Wade	Institute for Theoretical Studies HITS gGmbH Heidelberg, Germany	Computational approaches to tackle VEGFR2 sialylation
Aglaia Szukala	Italian	University Vienna, Austria	Alex Widmer	ETH Zurich, Switzerland	Ecological genomics of local adaptation to altitude in the Alps
Tania Tibiletti	Italian	CEA / Saclay Gif-sur-Yvette, France	Miwa Sugiura	Ehime University Matsuyama, Japan	Characterization of a new cyanobacterial hemoprotein with the rare His/Cys heme axial ligation
Giorgio Vivacqua	Italian	Università 'La Sapienza' Roma, Italy	David Klenerman	University of Cambridge, United Kingdom	Detection and characterisation of alpha-synuclein aggregates in biological fluids of patients affected by synucleinopathies by single molecule super-resolution microscopy

EMBO Short-Term Fellowships awarded in 2020

Name	Nationality	Home institute	Group leader	Host institute	Project
Kyojiro Ikeda	Japanese	University Vienna, Austria	Eija Jokitalo	University of Helsinki, Finland	A 3D-EM approach to reconstruct snapshots of dynamic microvilli
Milda Narmonte	Lithuanian	Vilnius University, Lithuania	Haruhiko Koseki	RIKEN Center for Integrative Medical Sciences Yokohama, Japan	Enrichment and analysis of CGI-bound proteome using DNA methyltransferase-assisted DNA labeling
Rimante Zedaveinyte	Lithuanian	Vilnius University, Lithuania	Jacob Corn	ETH Zurich, Switzerland	Characterization of miniature CRISPR-Cas12f nucleases using DISCOVER-Seq
Paulina Valadez Cosmes	Mexican	Medical University Graz, Austria	Michael J. Davies	University Copenhagen, Denmark	Myeloperoxidase-derived oxidants and their role in protein and DNA modifications in non-small cell lung cancer
Milena Stojanovic	Montenegrin	University of Montenegro Podgorica, Montenegro	Michaela Greisser	University of Natural Resources & Life Sciences (BOKU) Vienna, Austria	Gas exchange, biomass and non-structural carbohydrates dynamics in vines under combined soil based and biotic stress
Ramita Sulu	Nepalese	University Oulu, Finland	Christoph W. Müller	EMBL Heidelberg, Germany	Structural and functional characterization of Mammalian cell entry 1 (Mce1) proteins of Mycobacterium tuberculosis
Dotun Adeyinka	Nigerian	Université Fribourg, Switzerland	Tony Southall	Imperial College London, United Kingdom	Interplay between neural stem cell states and the cell cycle in the Drosophila brain
Ingrid Kjos	Norwegian	The Norwegian Radium Hospital Oslo, Norway	Carsten Sachse	Forschungszentrum Jülich GmbH Jülich, Germany	Ultrastructural characterization of the endosomal clathrin coat
Grzegorz Brzyżek	Polish	The Polish Academy of Sciences Warsaw, Poland	Sebastian Marquardt	University of Copenhagen Frederiksberg, Denmark	Characterizing the effects of spliceosome-linked histone methylation on RNA Pol II elongation and transcription initiation
Dominika Dmtruk	Polish	University of Life Science Warsaw, Poland	Enrico De Lillo	Università Bari, Italy	"Salivary secretions" of eriophyoids (Acari: Eriophyoidea): improving methods on the eliciting procedures

EMBO Short-Term Fellowships awarded in 2020

Name	Nationality	Home institute	Group leader	Host institute	Project
Emilia Kozłowska	Polish	Silesian University of Technology Gliwice, Poland	Sebastien Benzekry	Aix-Marseille Université Marseille, France	Application of machine learning and mathematical tools to predict metastases in patients with non-small-cell lung carcinoma
Marcin Równicki	Polish	University Warsaw, Poland	Sanna Koskiniemi	Uppsala University, Sweden	How do dormant E. coli cells resume growth?
Julian Swatler	Polish	Nencki Institute Warsaw, Poland	Andrea Cossarizza	Università di Modena e Reggio Emilia (UNIMORE) Modena, Italy	Influence of leukemia-derived extracellular vesicles on immunometabolic phenotype of Foxp3+ regulatory T cells
Magdalena Urbaniak	Polish	University Lodz, Poland	Hideyuki Iuni	Konan University Kobe, Japan	Molecular mechanisms to control the bioaccumulation of POPs in cucurbits – an application perspective
Beata Walter	Polish	University Gdansk, Poland	Andrew Lovering	University of Birmingham, United Kingdom	Mutual regulatory interplay between phosphoribosyl pyrophosphate (PRPP) synthase Prs, and NAD+ dependant protein lysine deacetylase CobB in E. coli. Bacterial studies towards senescence
Urszula Zarzecka	Polish	University Gdansk, Poland	Davide Roncarati	Università Bologna, Italy	Impact of lack of htrA on metalloregulation of Helicobacter pylori bacteria
Ana Chegão	Portuguese	Universidade NOVA de Lisboa Lisbon, Portugal	Flaviano Giorgini	University Leicester, United Kingdom	Potential of anti-diabetics to ameliorate aSyn pathology
Margarida Moura	Portuguese	Instituto de Biologia Molecular e Cellular (IBMC) Porto, Portugal	Adrian Saurin	University of Dundee, United Kingdom	PLK1 keeps PP1 in check during mitosis
Ednilson Varela	Portuguese	Chronic Diseases Research Center (CEDOC) Lisbon, Portugal	Peter Soba	Zentrum für Molekulare Neurobiologie (ZMNH) Hamburg, Germany	Dissecting the Dilp7 and Lgr4-dependent neuronal circuit required for light-avoidance behavior in Drosophila
Alexandra Mihut	Romanian	Biological Research Centre Szeged, Hungary	Ivan Matic	Max Planck Institute for Biology of Ageing Cologne, Germany	Elucidating the function of MacroD2 through protein-protein interaction analysis

EMBO Short-Term Fellowships awarded in 2020

Name	Nationality	Home institute	Group leader	Host institute	Project
Polina Timofeeva	Russian	Centro de Tecnología Biomédica (CTB) Madrid, Spain	Cosimo Urgesi	Università degli Studi Udine, Italy	Real and virtual lesion models of pathological switching in the bilingual brain
Anja Dokic	Serbian	University of Birmingham, United Kingdom	Margarida Saraiva	Instituto de Biologia Molecular e Cellular (IBMC) Porto, Portugal	Investigating the immune response to biofilms of Mycobacterium abscessus clinical strains
Polonca Stefanic	Slovenian	University of Ljubljana, Slovenia	Ullises Nunes Da Rocha	Hemholtz Centre for Environmental Research Leipzig, Germany	The role of kin discrimination in the evolution of B. subtilis
Victor Galileo Almedro Vedia	Spanish	Complutense University of Madrid (UCM) Madrid, Spain	Manuel Melo	Instituto de Tecnologia Química e Biologia Oeiras, Portugal	Enhanced cytotoxicity of supramolecular zippers of 10-N-nonyl acridine orange (NAO) by fusion of lipid membranes containing phosphatidylethanolamine and cardiolipin
Jaiione Auzmendi	Spanish	BioDonostia Health Research Institute San Sebastian, Spain	Ian C. Wood	University Leeds, United Kingdom	Role of HDAC1/2 in the interplay between microglia and neural stem cells in brain aging
Patricia Barroso Seano	Spanish	Institute for Game and Wildlife Research Ciudad Real, Spain	Andrew Byrne	University College Dublin, Ireland	Molecular and spatial epidemiology of animal tuberculosis in the wildlife and domestic host community from Ireland, a comparison with the situation in south-central Spain
Maria Bogaerts Marquez	Spanish	Institute of Evolutionary Biology (IEB) Barcelona, Spain	Mathieu Gautier	National Institute for Agronomical Research (INRA) Montpellier, France	Deciphering environmental variables driving adaptation in Drosophila melanogaster
María Del Pilar Calero Pérez	Spanish	Universitat Autònoma de Barcelona Cerdanyola, Spain	Jörg Bartsch	Philipps-Universität Marburg, Germany	Molecular profiling of the tumour microenvironment in GL261 glioblastoma bearing mice and in glioblastoma patients: correlation of response to treatment with microglia/macrophage population, metalloprotease expression profiles and Temozolomide-resistant primary stem-like cells

EMBO Short-Term Fellowships awarded in 2020

Name	Nationality	Home institute	Group leader	Host institute	Project
Aina Calls Cobos	Spanish	Universitat Autònoma de Barcelona Barcelona, Spain	Marco Demaria	European Research Institute for the Biology of Ageing Groningen, Netherlands	Exploring the senescence phenotype in post-mitotic neurons after chemotherapy treatment
David Canovas	Spanish	Universidad Sevilla, Spain	Mustafa Khammash	ETH Zürich Basel, Switzerland	Tuning photoreceptor kinetics through directed evolution for highly versatile optogenetic tools
Gerard Cantero Recasens	Spanish	Vall d'Hebron Institut de Recerca (VHIR) Barcelona, Spain	Naoyuki Taniguchi	Riken Wako, Japan	Role of FUT8-dependent mucin fucosylation on Ulcerative Colitis pathophysiology
Eva Carro	Spanish	Instituto de Salud Carlos III Madrid, Spain	Gordon Proctor	King's College London, United Kingdom	Relation between composition of salivary microbiota and oxidative stress in saliva from parkinson's disease patients
Enriqueta Casal Banciella	Spanish	University of East Anglia Norwich, United Kingdom	José Luis Corchero-Nieto	Universitat Autònoma de Barcelona Barcelona, Spain	Development of new Pharmacological Chaperones for the treatment of Gaucher and Fabry diseases
Julia Castillo González	Spanish	Instituto de Parasitología y Biomedicina Armilla, Spain	Lorenz Hirt	University Lausanne, Switzerland	Understanding the MCAO model for trying new therapeutic approaches for ischemic strokes
Sara Cea	Spanish	Universidad Sevilla, Spain	Gerhard Braus	Universität Göttingen, Germany	Identification of Post-translational modifications (PTMs) of VE-1 and the components of the velvet complexes in the fungus <i>Neurospora crassa</i>
Raquel Comaposada	Spanish	Instituto de Biomedicina de Valencia (IBV) Valencia, Spain	Christian Humpel	Medical University Innsbruck, Austria	Effects of γ -secretase inhibitors on the survival of cholinergic p75NTR positive neurons in the basal nucleus of Meynert in organotypic mouse brain slices
Paula Corell-Escuin	Spanish	The Foundation for the Promotion of Health and Biomedical Research Valencia, Spain	Pablo Murcia	University of Glasgow, United Kingdom	Characterization and validation of an anti-influenza peptide produced by the human innate immune system

EMBO Short-Term Fellowships awarded in 2020

Name	Nationality	Home institute	Group leader	Host institute	Project
Carlos Costas-Insua	Spanish	Universidad Complutense de Madrid (UCM) Madrid, Spain	Luigi Bellocchio	Université de Bordeaux Bordeaux, France	CB1R-CRBN interaction: A new paradigm into eCB field?
Javier Cuitavi	Spanish	University Valencia, Spain	Meritxell Canals	University of Nottingham, United Kingdom	Effect of ethanol-induced proinflammatory cytokines release on neuronal mu opioid receptors expression and trafficking
Virginia Díez Obrero	Spanish	Institut Català d'Oncologia Barcelona, Spain	James McKay	International Agency for Research on Cancer Lyon, France	Definition of the basal mutagenesis of colon epithelium in the framework of a population-based study
Anna Duran Corbera	Spanish	Institute of Advanced Chemistry of Catalonia (IQAC) Barcelona, Spain	Jörg Standfuss	Paul Scherrer Institut Villigen, Switzerland	Conformational dynamics of a G protein-coupled receptor studied by time-resolved X-ray crystallography using synthetic photoswitchable ligands
Clara Echevarria Zomeño	Spanish	Centre for Molecular Biology 'Severo Ochoa' Madrid, Spain	Kenneth Birnbaum	New York University, United States	Identifying the transcriptional programs that coordinate cell proliferation and developmental trajectories with a single-cell approach
Azman Embarc Buh	Spanish	Centre for Molecular Biology 'Severo Ochoa' Madrid, Spain	Alfredo Castello	University of Oxford, United Kingdom	Functional characterization of Gemin5 as a crucial RNA-Binding protein controlling virus infection
Javier Espadas	Spanish	Instituto Biofisika Institutoa Leioa, Spain	Tzviya Zeev Ben Mordehai	Utrecht University, Netherlands	Electron cryo-tomography of membrane fusion mediated by Atlastin GTPase
Diego Manuel Fernandez Aroca	Spanish	University of Castilla-La Mancha Albacete, Spain	Diego Villar Lozano	University of London London, United Kingdom	Implication of p38 β MAPK in the cellular response to ionizing radiation
Lucía Fernández Casanova	Spanish	Centro Nacional de Investigaciones Oncológicas (CNIO) Madrid, Spain	Emmanuel Donnadieu	Institut Cochin Paris, France	Unraveling the mechanisms of resistance of solid tumors to CAR T cell therapy
Alvaro Fernandez	Spanish	Ghent University, Belgium	Markus Schwarzländer	University of Münster, Germany	In vitro characterization of plant specific fluorescent protease sensors: development of specific METACASPASE sensors

EMBO Short-Term Fellowships awarded in 2020

Name	Nationality	Home institute	Group leader	Host institute	Project
Albert Fina Romero	Spanish	University Autonomous of Barcelona Bellaterra, Spain	Stéphanie Heux	INSA Toulouse, France	Systems-level characterization of the metabolism of 3-hydroxypropionic acid producing <i>Pichia pastoris</i> strains
Claudia Fuente García	Spanish	Universidad del País Vasco (UPV/EHU) Vitoria-Gasteiz, Spain	Artur Krężel	University Wrocław, Poland	Production and characterization of recombinant caspases 8 and 9 to understand its role under bovine stress situations
Rocío Fuentes Mateos	Spanish	Universidad de Salamanca, Spain	Reinoud Gosens	University Groningen, Netherlands	Role of HRas and NRas GTPases in lung mesenchymal-epithelial interactions and embryonic lung development
Diego Gallego Perez	Spanish	Institute for Research in Biomedicine Barcelona, Spain	Janusz M. Bujnicki	International Institute of Molecular and Cell Biology Warsaw, Poland	New knowledge-based potential for the detection of RNA-Mg ²⁺ binding sites
Pascual García Pérez	Spanish	University of Vigo Vigo, Portugal	Luigi Lucini	Università Cattolica del Sacro Cuore Piacenza, Italy	Untargeted metabolomics applied to the analysis of secondary metabolism under stress conditions of <i>Bryophyllum</i> spp. cultured in vitro
Desiré García Pichardo	Spanish	University of Copenhagen Frederiksberg, Denmark	Fred van Leeuwen	Netherlands Cancer Institute Amsterdam, Netherlands	Elucidating differential protein composition at -1 and +1 nucleosomes
Martin Garrido Rodríguez-Cordoba	Spanish	Instituto Maimónides de Investigación Biomédica (IMIBIC) Córdoba, Argentina	Julio Saez Rodriguez	Universität Heidelberg, Germany	Evaluation of bioinformatic strategies for the integrated functional analysis of transcriptomics, proteomics and phosphoproteomics
Helena Gómez Asenjo	Spanish	Center for Genomics and Oncology Research (GenyO) Granada, Spain	Alvaro Rada-Iglesias	University of Cologne, Germany	Functional analysis of Polycomb-mediated chromatin looping across cell cycle in pluripotent stem cells
Teresa González Muñoz	Spanish	Centro Nacional de Investigaciones Oncológicas (CNIO) Madrid, Spain	Lukas J A C Hawinkels	University Medical Centre Leiden, Netherlands	Determining the role of endoglin in malignant peripheral nerve sheath tumor progression

EMBO Short-Term Fellowships awarded in 2020

Name	Nationality	Home institute	Group leader	Host institute	Project
Óscar Gonzalez-Velasco	Spanish	Cancer Research Center (CIC) Salamanca, Spain	Julio Saez-Rodriguez	Institute for Computational Biomedicine Heidelberg, Germany	Revealing tumors of unknown primary using deep learning and integration with personalized biomolecular profiling
Patricia Gonzalez	Spanish	Vall D'Hebron Institute of Oncology Barcelona, Spain	Ferdinando Pucci	Oregon Health & Science University (OHSU) Portland, United States	In vivo investigation of cancer stem cell-immune cell communication via extracellular vesicles
Rubén González	Spanish	I2SYSBIO Paterna, Spain	Marie-Anne Felix	École Normale Supérieure Paris, France	Implementation of <i>Caenorhabditis elegans</i> as a model host system in virology research
Sara Gutiérrez Pelaz	Spanish	Universidad de Salamanca, Spain	Jean-Charles Sánchez	University of Geneva, Switzerland	Proteome characterization of the effects of the anti-tumoral peptide TAT-Cx43266-283
Francisco Gutierrez	Spanish	Universidad de Jaén Jaén, Spain	Jorge Perez Fernandez	Universität Regensburg, Germany	Analysis of the functional relationship between the prefoldin-like Bud27 and the transcriptional complexes of RNA polymerase III, through proteomic approaches
Julia Hernandez Baixauli	Spanish	Universitat Rovira i Virgili (URV) Tarragona, Spain	Marnix Gorissen	Radboud University Nijmegen, Netherlands	High-throughput screening of natural bioactive compounds in stress zebrafish larvae model
Paula Izquierdo Altarejos	Spanish	Centro de Investigación Principe Felipe (CIPF) Valencia, Spain	Christian Humpel	Medical University Innsbruck, Austria	Evaluation of neuroinflammation and glial activation induced by extracellular vesicles from hyperammonemic rats in adult brain organotypic cultures
Alejandra Laguillo Diego	Spanish	Centro de Regulación Genómica (CRG) Barcelona, Spain	Thomas Müller-Reichert	Technische Universität Dresden, Germany	Structural insights on the kinetochore-microtubules minus-ends by electron tomography in mammalian spindles
Said Lhamyani	Spanish	University of Malaga, Spain	Rita Rezzani	University Brescia, Italy	The role of inflammation in the effect of miR-21 on browning induction and obesity
Jaime David López Alcalá	Spanish	Instituto Maimónides de Investigación Biomédica (IMIBIC) Córdoba, Argentina	Lluís Fajas	University Lausanne, Switzerland	Role of CDK4 and RAB proteins in resistance to chemotherapeutic-induced death in breast cancer cells

EMBO Short-Term Fellowships awarded in 2020

Name	Nationality	Home institute	Group leader	Host institute	Project
Noelia Maldonado-Pérez	Spanish	Universidad Granada, Spain	Pedro Romero	Ludwig Center for Cancer Research Lausanne, Switzerland	Improvement of universal CAR-T cell therapeutic activity
Ildefonso Marín Montesínos	Spanish	University Aveiro, Portugal	Armando Maestro	Institut Laue-Langevin Grenoble, France	Selective enlightening of interaction interfaces in Clathrin-Mediated Endocytosis
Noelia Martínez-Varea	Spanish	Institute of Experimental Medicine Prague, Czech Republic	Jessica Kwok	University Leeds, United Kingdom	Extracellular matrix modifications in chronic neuroinflammatory conditions
Jordi Martorell-Marugán	Spanish	Center for Genomics and Oncology Research (GenYO) Granada, Spain	Giuseppe Jurman	Fondazione Bruno Kessler Trento, Italy	Artificial Intelligence for precision medicine in Systemic Autoimmune Diseases
Clara Matute Blanch	Spanish	Vall D'Hebron Institute of Oncology Barcelona, Spain	Denise Fitzgerald	Queens University Belfast, United Kingdom	Functional assessment of CSF pre-exposed astrocyte secretomes on OPCs and oligodendrocytes
Mayte Medrano Domínguez	Spanish	Instituto de Biomedicina de Sevilla Sevilla, Spain	Daniel Tennant	University of Birmingham, United Kingdom	Use of cannabinoid derivatives in the treatment of hematological malignancies and its effect on metabolism
Ernesto Mejías Pérez	Spanish	Max von Pettenkofer Institute München, Germany	Massimo Squatrito	Centro Nacional de Investigaciones Oncológicas (CNIO) Madrid, Spain	SAMHD1 as a biomarker for personalized cancer treatment and target in chemotherapy resistance
Javier Menéndez Menéndez	Spanish	Universidad de Cantabria Santander, Spain	Pedro Cutillas	Barts Cancer Institute London, United Kingdom	Comparative phosho-proteomic analysis of chemotherapy and chemotherapy plus melatonin treated breast cancer cells
Pilar Menéndez-Manjón	Spanish	University of the Basque Country Leioa, Spain	Derek Sullivan	Trinity College Dublin, Ireland	Elucidation of new mechanisms of resistance in <i>Candida albicans</i> and evaluation of new therapeutic targets
Adrián Montaña	Spanish	Universidad de Salamanca, Spain	Paul Takam	Università degli Studi Verona, Italy	NOTCH-modified stromal-derived extracellular vesicles enhance Graft-versus-Leukemia and prevent Graft-versus-Host disease

EMBO Short-Term Fellowships awarded in 2020

Name	Nationality	Home institute	Group leader	Host institute	Project
Javier Murciano Calles	Spanish	Universidad Granada, Spain	Wilfred Van Der Donk	University of Illinois Urbana-Champaign, United States	Directed evolution of ProcM, a cyclizing lanthipeptide enzyme
Amaia Nuñez-DelMoral	Spanish	University of the Basque Country Leioa, Spain	Vincent Vialou	Sorbonne University Paris, France	Consequences of the matricellular protein hevin manipulation in alcohol dependence
Matilde Ortiz González	Spanish	University Almería, Spain	Martin Taylor	London School of Hygiene and Tropical Medicine London, United Kingdom	Study of the efficacy of nanosystems conjugated with antibody fragments to treat human African trypanosomiasis in a murine model
María Del Carmen Ortuño Costela	Spanish	Universidad Autonoma Madrid, Spain	Frédérique Magdinier	Aix-Marseille Université Marseille, France	Generation of innervated skeletal muscle fibres from control and McArdle disease patients-derived induced pluripotent stem cells (iPSCs)
Alejandra Palomino	Spanish	Instituto de Investigación Sanitaria Madrid, Spain	Denis Vivien	University Caen, France	Role of pericytes and their relationship with NLRP3 inflammasome and blood-brain barrier in a thromboembolic stroke model
Gonzalo Pérez-Mejías	Spanish	Universidad Sevilla, Spain	Patrick Van Der Wel	University Groningen, Netherlands	Impact of post-translational modifications on the interaction between human cytochrome c and cardiolipin
Esther Recacha Villamor	Spanish	Universidad Sevilla, Spain	Alexandro Rodríguez Rojas	Freie Universität Berlin, Germany	Proteome alteration under SOS triggering by therapeutic antimicrobial concentrations and physiological stressors in clinical isolates of epidemiological interest
Cristina Riobello Suárez	Spanish	Instituto de Investigación Sanitaria del Principado de Asturias Oviedo, Spain	Axel Hillmer	University of Cologne, Germany	Preclinical tumor models of sinonasal cancer and new therapeutic strategies

EMBO Short-Term Fellowships awarded in 2020

Name	Nationality	Home institute	Group leader	Host institute	Project
Iratí Rodilla	Spanish	University of the Basque Country Leioa, Spain	Marc Landry	Interdisciplinary Institute for Neuroscience (IINS) Bordeaux, France	Involvement of opioidergic transmission in the analgesic effect mediated by relaxin-3/RXFP3 system in the amygdala
Marina Rodríguez-Candela	Spanish	Instituto de Investigación Biomédica A Coruña, Spain	Winfried S. Wels	Georg-Speyer-Haus Frankfurt, Germany	Connexin 43 and the antitumour immune response in triple negative breast cancer 3D models
Ana Belén Salido Medina	Spanish	Instituto De Investigación Marqués De Valdecilla Santander, Spain	Laura Zelarayan	University Medical Center Göttingen, Germany	Therapeutic strategies against pathological myocardial remodelling under pressure overload: role of BMP-7 signalling
Noelia Sánchez Núñez	Spanish	Universidad (CSIC) Salamanca, Spain	Anton Khmelinskii	Institute of Molecular Biology (IMB) Mainz, Germany	Signals, processes, factors and potential new pathways involved in the cellular quality control (QC)
Sandra Sánchez Sarasúa De La Bárcena	Spanish	Universitat Jaume I Castelló de la Plana, Spain	Marc Landry	Interdisciplinary Institute for Neuroscience (IINS) Bordeaux, France	Effect of abscisic acid treatment in a mouse model of hyperactivity
María Sancho Alonso	Spanish	Centro de Investigación Principe Felipe (CIPF) Valencia, Spain	Gary Stephens	University Reading, United Kingdom	Presynaptic mechanisms involved in synaptic transmission. Underlying molecular and electrophysiological components of glutamatergic and gabaergic neurotransmission in adult brain. Effect of cGMP
Carlos Sarabia	Spanish	Estación Biológica de Doñana Sevilla, Spain	Shyam Gopalakrishnan	University Copenhagen, Denmark	Genomic signatures of selection, inbreeding and introgression in African golden wolves, <i>Canis lupaster</i>
Balma Serrano Porcar	Spanish	Institut D'Investigacions Biomèdiques August Pi i Sunyer (IDIBAPS) Barcelona, Spain	Cyril Herry	Université de Bordeaux Bordeaux, France	The pathophysiology of working memory dysfunction in schizophrenia: neural circuit mechanisms underlying memory interference

EMBO Short-Term Fellowships awarded in 2020

Name	Nationality	Home institute	Group leader	Host institute	Project
Roger Ferran Solé Soler	Spanish	Universitat de Lleida Lleida, Spain	Luis Aragón	MRC Clinical Sciences Centre London, United Kingdom	Purification of mutated SMC5/6 complexes and in vitro experiments to test their activity
Carlota Tosat Bitrian	Spanish	Centro de Investigaciones Biológicas (CIB / CSIC) Madrid, Spain	Kevin Talbot	University of Oxford, United Kingdom	Targeting amyotrophic lateral sclerosis with antisense oligonucleotide therapy in induced pluripotent stem cell-derived motor neurons from patients carrying C9orf72 mutations
Maria Tristán-Manzano	Spanish	Universidad Granada, Spain	Luigi Naldini	Università Vita-Salute San Raffaele Milano, Italy	Exploring the efficacy of a combined gene therapy with CAR-T cells and IFN-alpha delivery by a subpopulation of tumor associated macrophages in Glioblastoma Multiforme
Enrique Velasco	Spanish	Universidad Miguel Hernandez San Juan de Alicante, Spain	Alex Binshtok	The Hebrew University Jerusalem, Israel	Dissecting cold and wetness sensing synaptic integration in the central nervous system
Mario Villa González	Spanish	Autonomous University of Madrid Madrid, Spain	Denis Vivien	University Caen, France	Role of mTOR in physiology and neuropathology: an in vivo approach in brain stroke
Tony Werner	Swedish	Chalmers University of Technology Gothenburg, Sweden	Daniel Otzen	Aarhus University, Denmark	Influence of fish protein beta-parvalbumin on bacterial functional amyloids
Içvara Barbier	Swiss	University Lausanne, Switzerland	Chris Barnes	University College London, United Kingdom	Stochastic molecular model of the "AC-DC" gene regulatory network for the design-build-test-learn cycle of synthetic biology
Jule Horlbog	Swiss	University of Zurich, Switzerland	Mariela Scotti	University of Edinburgh, United Kingdom	Listeria monocytogenes: Induction of the central virulence regulator, PrfA
Alihan Bulgurcu	Turkish	Dokuz Eylul University Izmir, Turkey	Jutte De Vries	University Medical Centre Leiden, Netherlands	Metagenomic sequencing for diagnosing cases of unexplained cases encephalitis and fever in a Mediterranean region of Turkey, Izmir

EMBO Short-Term Fellowships awarded in 2020

Name	Nationality	Home institute	Group leader	Host institute	Project
Cagla Cömert	Turkish	Aarhus University, Denmark	Michael P. Murphy	MRC Mitochondrial Biology Unit Cambridge, United Kingdom	Molecular mechanisms underlying mitochondria-dependent myelination defects
Dilek Koptekin	Turkish	Middle East Technical University Ankara, Turkey	Flora Jay	Universite Paris-Saclay Saint-Aubin, France	Where did the expansion start? Inferring the demographic history of the first farmers in the Aegean using Approximate Bayesian Computation
Cemil Kürekci	Turkish	Hatay Mustafa Kemal University Hatay, Turkey	Jens André Hammerl	Bundesinstitut für Risikobewertung Berlin, Germany	Molecular epidemiology, and plasmid analyses of CTX-M-15 type ESBL producing Escherichia coli isolates from environmental water, foods of animal origin and human patients in Turkey
Nesteren Mansur Ozen	Turkish	Acibadem University Istanbul, Turkey	Najma Rachidi	Institut Pasteur Paris, France	The establishment of Leishmania major infection model in monocyte and bone marrow derived macrophages and the optimization of membrane protein purification methods in a L. donovani/L. infantum hybrid strain
Özgün Özalp	Turkish	Dokuz Eylül University Izmir, Turkey	Dirk Sieger	University of Edinburgh, United Kingdom	Investigation of the functional role of neurotrophin receptor-associated death domain in microglia-glioblastoma interaction using the zebrafish model
Merve Soğancı	Turkish	Dokuz Eylül University Izmir, Turkey	Evren Alici	KarolinskaUniversity Hospital Stockholm, Sweden	The role of miRNAs in modulating natural killer response to tyrosine kinase inhibitor resistant chronic myeloid leukemia cells
Suleyman Yildirim	Turkish	Medipol University Istanbul, Turkey	Adil Mardinoglu	Science for Life Laboratory Solna, Sweden	Development of microbiome based integrative biomarker model for stratification of cognitive impairment spectrum in parkinson's disease

EMBO Short-Term Fellowships 2020: Geographical distribution Applications

To	From*	Austria	Belgium	Croatia	Czech Republic	Denmark	Eastern Europe	EMBL	Estonia	Finland	France	Germany	Greece	Hungary	Iceland	India (A)	Ireland	Israel	Italy	Lithuania	Luxembourg	Malta	Montenegro	Netherlands	Norway	Others	Poland	Portugal	Singapore (A)	Slovak Republic	Slovenia	Spain	Sweden	Switzerland	Turkey	United Kingdom	USA/Canada	Total			
Austria				1																																				6	
Belgium											2						1	2							1	1	1											1		9	
Croatia																																									
Czech Republic						1				1																												1		3	
Denmark		3							1										1						1	1	1	1						3	1					13	
Eastern Europe																																									
EMBL										1			1						1																				1	4	
Estonia											1			1						1																				1	1
Finland		1										1	1													1	1								1					7	
France		1			1							3				4			3								1	1				23			2		1		40		
Germany			3								2	3	2		2		1	5							1	2	1			1	17	1		2	1				44		
Greece																																									
Hungary																			1																					1	
Iceland																																									
India (A)																																									
Ireland																		1																		2				3	
Israel			1																1																					4	
Italy			1	1									1		2												4	1												20	
Lithuania																																									
Luxembourg																																									
Malta																																									
Montenegro																																									
Netherlands		1	1		1					1					2		1	2																	9	1	1			20	
Norway																																									1
Others											2	1			2	1				1							1													9	
Poland																																								2	
Portugal				1	1					1																														6	
Singapore (A)																			2																					2	
Slovak Republic																																									
Slovenia																																									
Spain		1	1							1	2	1			3				2					1	2	2								1		2	2			21	
Sweden		1			1				1		1								1							1	2													11	
Switzerland		2			1						1	1									4	1			1	1	1													24	
Turkey																										1														1	
United Kingdom			2	1	1	3				1	2	1			7			4						4			2	2					21	1	4	2			58		
USA/Canada											1	1					2	3						1									9	1	2	2			22		
Total		10	9	4	5	5	1	1	2	11	11	10	3	22	1	5	34	2	1	9	3	9	15	6	1	117	4	6	15	9	1	332									

* "From" refers to home institute (see list on pages 46 – 68)

EMBO Short-Term Fellowships 2020: Geographical distribution Awards

To	From*	Austria	Belgium	Croatia	Czech Republic	Denmark	Eastern Europe	EMBL	Estonia	Finland	France	Germany	Greece	Hungary	Iceland	India (A)	Ireland	Israel	Italy	Lithuania	Luxembourg	Malta	Montenegro	Netherlands	Norway	Others	Poland	Portugal	Singapore (A)	Slovak Republic	Slovenia	Spain	Sweden	Switzerland	Turkey	United Kingdom	USA/Canada	Total		
Austria				1																			1																4	
Belgium										1								1	1					1	1												1		6	
Croatia																																								
Czech Republic										1																											1		2	
Denmark	1							1																	1	1	1								1	1			7	
Eastern Europe																																								
EMBL									1				1						1																	1		4		
Estonia														1																										
Finland											1																	1												3
France	1			1								2				1		1									1	1					14		2			24		
Germany		3								1		2	2		1		1	3							1	1		1			1	11			1	1		30		
Greece																																								
Hungary																																								
Iceland																																								
India (A)																																								
Ireland																		1																2				3		
Israel		1																	1																			3		
Italy		1	1									1			2													3	1				6						15	
Lithuania																																								
Luxembourg																																								
Malta																																								
Montenegro																																								
Netherlands	1	1			1					1						2	1																7	1	1			16		
Norway																																								
Others										2		1			1	1				1							1												8	
Poland																																							2	
Portugal			1	1						1																								1			1		5	
Singapore (A)																		1																					1	
Slovak Republic																																								
Slovenia																																								
Spain											2	1			1																						1	2	7	
Sweden	1			1	1					1																		1									2		7	
Switzerland	1			1						1									4	1					1	1							8					18		
Turkey																																								
United Kingdom		2	1	1	3					1	1	1				5		1							3		1	2					14	1	3	1		41		
USA/Canada											1	1						1	2														3		1			9		
Total		6	8	4	5	5		1	1	8	9	7	3		13	1	4	16	2				1	5	3	3	9	5		1	73	2	5	8	7		215			

* "From" refers to home institute (see list on pages 46 - 68)

EMBO Core Facility Fellowships →→

EMBO Core Facility Fellowships fund international exchanges of up to one month between core research facilities in eligible countries. Core Facility Fellowships are intended for the training of core facilities staff, including scientists and technicians, in specific techniques used in core research facilities that provide services to research institutions or universities.

EMBO Core Facility Fellowships awarded in 2020

Name	Nationality	Home institute	Group leader	Host institute	Project
Theodoros Kosteas	Greek	IMBB - FORTH Heraklion, Greece	Masato Ohtsuka	Tokai University Tokyo, Japan	Generation of a TTD-A conditional knock-out mouse model using CRISPR-Cas 9 methodologies
Paolo Swuec	Italian	Human Technopole Milano, Italy	Wim Hagen	EMBL Heidelberg, Germany	Acquisition of best practices in cryo-electron tomography for preparation, imaging and analysis of macromolecules in their native context

EMBO Young Investigators

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The EMBO Young Investigator Programme supports life scientists who have been group leaders for less than four years at the time of application. Young Investigators receive financial support for networking for four years and benefit from training opportunities, support for their lab members and mentoring. They become part of an international network of more than 600 current and former EMBO Young Investigators, Installation Grantees and Global Investigators.

Gerlind Wallon
Programme

EMBO Young Investigators 2020

Name	Nationality	Institute	Research interest	Country	Gender
Leila Akkari	French	Netherlands Cancer Institute, Amsterdam	Harnessing the potential of immunomodulation in anti-cancer treatment	NL	F
Sam Behjati	British	Wellcome Genome Campus, Hinxton	Unravelling the embryonic origins of childhood cancer	UK	M
Simon Bekker-Jensen	Danish	University of Copenhagen	Physiological roles of cellular stress responses	DK	M
Tanmay Bharat	Indian	University of Oxford	Structural cell biology of bacterial biofilm formation	UK	M
Björn Burmann	German	University of Gothenburg	Advanced NMR methods to study molecular machines at the atomic level.	SE	M
Debojyoti Chakraborty	Indian	CSIR Institute of Genomics and Integrative Biology, New Delhi	Rational design of genome editing proteins for disease correction	IN	M
Guoliang Cui	Chinese	German Cancer Research Center (DKFZ), Heidelberg	Skeletal muscles antagonize T cell exhaustion in chronic infections	DE	M
Ines Anna Drinnenberg	German	Curie Institute, Paris	Evolution of centromeres: Conserved function but diverse architectures	FR	F
Julien Duxin	French	University of Copenhagen	Mechanisms of DNA-protein crosslink repair	DK	M
Alejo Efeyan	Argentinean	Spanish National Cancer Research Center (CNIO), Madrid	Deciphering the physiology and pathology of nutrient signaling	ES	M

EMBO Young Investigators 2020

Name	Nationality	Institute	Research interest	Country	Gender
Benjamin D. Engel	US-American	Helmholtz Center Munich, Neuherberg	Native molecular architecture of organelles	DE	M
Mina Gouti	Greek	Max Delbrück Center, Berlin	Neuromuscular organoids to model human development and disease	DE	F
Marc Güell	Spanish	Pompeu Fabra University, Barcelona	Translational synthetic biology	ES	M
Yen-Ping Hsueh	Taiwanese	Academia Sinica, Taipei	Predator-prey interactions between carnivorous fungi and nematodes	TW	F
Martijn Luijsterburg	Dutch	University Medical Centre, Leiden	Mechanisms at the interface of transcription and DNA damage responses	NL	M
Hansong Ma	Chinese	Gurdon Institute, University of Cambridge	The nuclear management of mitochondrial DNA transmission	UK	F
Nicholas McGranahan	British	University College London	Elucidating cancer genome evolution and immune escape	UK	M
Nuria Montserrat	Spanish	The Institute for Bioengineering of Catalonia (IBEC), Barcelona	Pluripotent stem cells and activation of tissue programs for organ regeneration	ES	F
Camilo Perez	Colombian	Biocenter, University of Basel	Mechanism of cell wall biosynthesis in Gram-positive bacteria pathogens	CH	M
Saravana Ramasamy	Indian	Imperial College London	Endothelial heterogeneity in skeletal physiology, ageing and disease	UK	M
Maria Robles	Spanish	Ludwig Maximilian University of Munich	Quantitative proteomics applied to the study of circadian biology and sleep	DE	F
Verena Ruprecht	Austrian	Centre for Genomic Regulation (CRG), Barcelona	Cell and tissue morphodynamics in early embryogenesis	ES	F
Antoine-Emmanuel Saliba	French	Heimholz Institute for RNA-based Infection Research, Würzburg	Uncovering the temporal and spatial dimensions of host-pathogen interactions	DE	M
Julia Santiago	Spanish	University of Lausanne	Plant cell wall sensing mechanisms	CH	F
Andela Saric	Croatian	University College London	Protein self-organisation in health and disease	UK	F
Elodie Segura	French	Curie Institute, Paris	Biology of myeloid cells in health and pathology	FR	F

EMBO Young Investigators 2020

Name	Nationality	Institute	Research interest	Country	Gender
Julian Stingele	German	Ludwig Maximilian University of Munich	DNA-protein crosslinks: endogenous sources and cellular responses	DE	M
Nicholas M. I. Taylor	Belgian	University of Copenhagen	Structural biology of molecular machines	DK	M
Luca Tiberi	Italian	University of Trento	Modeling brain cancer with human brain organoids	IT	M
Christoph Zechner	Austrian	Max Planck Institute of Molecular Cell Biology and Genetics, Dresden	Stochastic processes in cells and tissues	DE	M

Applications and awards 2016 – 2020

Country	Applications (2016-2020)	% of total applications	Awards (2016-2020)	% success from country	% of total awards
Austria	20	1.8	7	35.0	5.1
Belgium	26	2.3	2	7.7	1.5
Croatia	2	0.2	0	0.0	0.0
Czech Republic	11	1.0	0	0.0	0.0
Denmark	33	2.9	5	15.5	3.7
Estonia	1	0.1	0	0.0	0.0
Finland	11	1.0	0	0.0	0.0
France	76	6.8	13	17.1	9.6
Germany	141	12.5	19	13.5	14.0
Greece	2	0.2	0	0.0	0.0
Hungary	4	0.4	0	0.0	0.0
Iceland	2	0.2	0	0.0	0.0
Ireland	5	0.4	0	0.0	0.0
Israel	44	3.9	6	13.6	4.4
Italy	47	4.2	2	4.3	1.5
Luxembourg	2	0.2	0	0.0	0.0
Netherlands	42	3.7	7	16.7	5.1
Norway	11	1.0	0	0.0	0.0
Poland	7	0.6	1	14.3	0.7
Portugal	36	3.2	0	0.0	0.0
Slovakia	0	0.0	0	0.0	0.0
Slovenia	0	0.0	0	0.0	0.0
Spain	81	7.2	9	11.1	6.6
Sweden	54	4.8	4	7.4	2.9
Switzerland	60	5.3	17	28.3	12.5
Turkey	12	1.1	1	8.3	0.7
United Kingdom	205	18.2	32	15.6	23.5
Cyprus	1	0.1	0	0.0	0.0
Singapore	36	3.2	5	13.9	3.7
Taiwan	8	0.7	1	12.5	0.7
India	138	12.3	5	3.6	3.7
Others	7	0.6	0	0.0	0.0
Total	1125		136		

EMBO Young Investigator Lectures 2020

Young Investigator	Conference	Location	Date
Yaron Fuchs	New insights into the BCL2 family	AT-Obergurgl	12 - 16 January
Romain Koszul	14th Aykut Kence evolution conference	TR-Ankara	24 - 25 January
Nicolas Plachta	"Society for developmental biology annual meeting"	US-Chicago	9 - 13 July
Priscille Brodin	The 6th young microbiologists symposium on microbe signalling, organisation and pathogenesis	GB-Southampton	26 - 27 August
Suzan Rooijackers	The 6th young microbiologists symposium on microbe signalling, organisation and pathogenesis	GB-Southampton	26 - 27 August
Ana Cvejic	13th international symposium on health informatics and bioinformatics	TR-Istanbul	3 - 5 September
Fran Supek	13th international symposium on health informatics and bioinformatics	TR-Istanbul	3 - 5 September
Ross Chapman	Genomic instability in cancer: From tumour evolution to novel cures	GR-Patras	20 - 22 October
Joao Matos	Genomic instability in cancer: From tumour evolution to novel cures	GR-Patras	20 - 22 October
Vaishnavi Ananthanarayanan	Nanoengineering for mechanobiology	IT-Genova	29 November - 2 December
Yanlan Mao	Nanoengineering for mechanobiology	IT-Genova	29 November - 2 December
Sophie Polo	EMBO workshop on "Chromatin dynamics and nuclear organization in genome maintenance"	NL-Leiden	6 - 10 December
Ivan Matic	CSHL meeting on PARPs and ADP-ribosylation	US-Cold Spring Harbor	9 - 12 December

EMBO Installation Grants

www.embo.org/funding/fellowships-grants-and-career-support/installation-grants | yip@embo.org

EMBO Installation Grants support group leaders establishing laboratories in countries participating in the scheme to strengthen the life sciences there. Installation Grantees become part of an international network of more than 600 current and former EMBO Young Investigators, Installation Grantees and Global Investigators.

Gerlind Wallon
Programme Head

EMBO Installation Grant Recipients 2020

Name	Nationality	Moving from	Moving to	Research interest
Elias Barriga	Chilean	Gulbenkian Science Institute, Oeiras, PT	Gulbenkian Science Institute, Oeiras, PT	Bioelectrical control of directed collective cell migration in vivo
Serkan Belkaya	Turkish	Bilkent University, Ankara, TR	Bilkent University, Ankara, TR	Human genetic and immunopathological mechanisms of hepatic injury
Piotr Gerlach	Polish	Max Planck Institute of Biochemistry, Martinsried, DE	International Institute Molecular Mechanisms & Machines, Polish Academy of Sciences, Warsaw, PL	Mechanism of the bunyaviral transcription-translation coupling
Ricardo Henriques	Portuguese	Gulbenkian Science Institute, Oeiras, PT	Gulbenkian Science Institute, Oeiras, PT	Unveiling live-cell viral replication at the nanoscale
Kinga Kamieniarz-Gdula	Polish	Wielkopolska Centre for Advanced Technologies, Poznan, PL	Adam Mickiewicz University, Poznan, PL	Role of premature transcription termination in human gene expression regulation
Onur Oztas	Turkish	University of North Carolina, Chapel Hill, USA	Koç University, Istanbul, TR	Plant adaptation to cope with environmental stress
Algirdas Toleikis	Lithuanian	University of Warwick, Coventry, UK	Vilnius University, LT	Single-molecule force studies on Cas3 helicase motor involved in CRISPR
Michał Wandel	Polish	MRC Laboratory of Molecular Biology, Cambridge, UK	The Polish Academy of Sciences, Warsaw, PL	Intracellular mechanisms of anti-microbial immunity

EMBO Global Investigator Network

www.embo.org/funding/fellowships-grants-and-career-support/global-investigator-network | 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 2020

Name	Nationality	Institute	Research interest	Country	Gender
Francisco Cubillos	Chilean	University of Santiago de Chile	Phylogenomic studies in ethanol-tolerant yeast from Patagonia	CL	M
Yu Fu	Chinese	Bioimaging Consortium, Singapore	Neural mechanisms of energy homeostasis regulation	SG	M
Sunil Laxman	Indian	Institute for Stem Cell Biology and Regenerative Medicine, Bangalore	Organizational principles of metabolic information flow controlling cell states	IN	M
Cheng-Ruei Lee	Taiwanese	National Taiwan University, Taipei	Utilizing evolutionary genomics for future food security	TW	M
Suewei Lin	Taiwanese	Academia Sinica, Taipei	Neural basis of motivation and neural circuit assembly	TW	M
Aravind Penmatsa	Indian	Indian Institute of Science, Bangalore	Mechanism and pharmacology of ion-coupled transport in cellular physiology	IN	M
Yasunori Saheki	Japanese	Nanyang Technological University Singapore	Dissecting the importance of cholesterol homeostasis for neuronal function	SG	M
Bin Wu	Chinese	Nanyang Technological University Singapore	Molecular immunology: Understanding and rewiring cellular immuneresponses	SG	M
Yun Xia	Chinese	Nanyang Technological University Singapore	Understand kidney development and diseases using organoid models	SG	F

EMBO Courses & Workshops

www.embo.org/funding/funding-for-conferences-and-training | courses_workshops@embo.org

EMBO Courses & Workshops stimulate exchange of the latest scientific knowledge and offer training in new techniques. They are organized by leading scientists in their fields. EMBO Workshops are scientific meetings that bring together scientists to present and discuss their latest discoveries. EMBO Practical Courses provide training in new techniques and promote the transfer of methodologies between laboratories.

Gerlind Wallon
Programme Head

EMBO Courses | Workshops | Symposia 2020

	Title	Organizer	Location	Dates
Practical Courses 2020 EMBC Member States	Techniques for mammary gland research	M.D. Vivanco	DE-Heidelberg	1–6 March 2020
	Cryo-electron microscopy and 3D image processing	C. Sachse	Virtual	17–28 August 2020
Practical Courses 2020 EMBC Associate Member State	CEM3DIP 2020: Single particle cryoEM of macromolecular-assemblies and cellular tomography	R. Natesh	IN-Kolkata	19–30 January 2020
Workshops 2020 EMBC Member States	Chemical biology 2020	K. Johnsson	Virtual	3–5 September 2020
	Neuromesodermal progenitors in development, evolution and regeneration	M. Mallo	Virtual	8–12 September 2020
	Neuroepigenetics: From cells to behaviour and disease	K.M. Noh	Virtual	28–31 October 2020
	In situ structural biology: From Cryo-EM to integrative modelling	M. Beck	Virtual	6–8 December 2020
	Chromatin dynamics and nuclear organization in genome maintenance	H. van Attikum	Virtual	7–10 December 2020
EMBO FEBS Lecture Courses 2020 EMBC Member States	Cancer systems biology: Promises of artificial intelligence	I. Kuperstein	Virtual	28 September–2 October 2020

EMBO Courses | Workshops | Symposia 2020

	Title	Organizer	Location	Dates
EMBO EMBL Symposia 2020 EMBC Member States	The organism and its environment	E. Heard, M. Leptin	DE-Heidelberg	1–4 March 2020
	The four-dimensional genome	W. Bickmore, J. Ellenberg, S. M. Gasser, C. Haering, B. van Steensel	Virtual	30–31 March 2020
	Microtubules: From atoms to complex systems	A. Akhmanova, C. Janke, G. Ou, K. Verhey	Virtual	3–6 June 2020
	The molecular basis and evolution of sexual dimorphism	D. Bachtrug, D. Charlesworth, H. Kaessmann	Virtual	14–16 September 2020
	The complex life of RNA	A. Ephrussi, W. Gilbert, K. Nagai, R. Pillai	Virtual	7–9 October 2020
	Organoids: Modelling organ development and disease in 3D culture	H. Clevers, M. Huch, J. Knoblich, M. Lancaster, E. Schnapp	Virtual	21–24 October 2020
India EMBO Symposia 2020 EMBC Associate Member States	Calcium signalling: Molecular mechanisms to role in health and diseases	G. Hasan	IN-Bangalore	26–29 January 2020
	Engineering meets evolution: Designing biological systems	K. Raman	IN-Chennai	30 January–1 February 2020
	Mycobacterial heterogeneity and host tissue tropism	R. Gokhale	IN-New Delhi	11–15 February 2020

EMBO Keynote Lectures

www.embo.org/funding/lecture-travel-and-childcare-grants | 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 Head

EMBO Keynote Lectures 2020

	Name	Lecture Title	Location	Date
Keynote Lectures 2020 EMBC Member States	Giulio Superti-Furga	2020 International Symposium on Chemical Biology	CH-Geneva	22–24 January 2020
	Magdalena Götz	"56th Contact Meeting of the Norwegian Biochemical Society Cellular Decisions and Trajectories"	NO-Voss	23–26 January 2020
	Sharon Tooze	EACR Conference Series Meeting: A Matter of Life or Death: Mechanisms, Models and Therapeutic Opportunities	IT-Bergamo	12–14 February 2020
	Melina Schuh	FEBS3+ LS2 Annual Meeting 2020: Cells, Molecules & Organisms	CH-Zurich	13–14 February 2020
	Nick Talbot	ECFG15 - European Conference on Fungal Genetics	IT-Roma	17–20 February 2020
	Carlos Caldas	EACR-AACR-ASPIC 2020 Conference: Tumor Microenvironment	PT-Lisboa	2–4 March 2020
	Julius Brennecke	International Congress on Transposable Elements	Virtual	25–28 April 2020
	Nikolaus Rajewsky	European Worm Meeting 2020: From Multicellularity to Single Cells	Virtual	12–15 July 2020
	M. Angela Nieto	Biodiversity and 'Biounicity' - XVI International FISV Congress	Virtual	15–18 September 2020
	Jennifer Lippincott-Schwartz	Cell La Vie!	FR-Paris	23–25 September 2020
Wendy Bickmore	FEBS Advanced Lecture Course: 4th Danube Conference on Epigenetics	Virtual	6–9 October 2020	

EMBO Keynote Lectures 2020

	Name	Lecture Title	Location	Date
	Elly M. Tanaka	Nordic Meeting on Development, Stem Cells and Degeneration	Virtual	14–16 October 2020
	Janet Rossant	TT2020 - 16th Transgenic Technology Meeting	Virtual	26–29 October 2020
	Regine Hengge	Microbial Stress: from System to Molecules and Back	Virtual	16–18 November 2020
	Carlos Caldas	EACR Conference Liquid Biopsies	Virtual	18–19 November 2020
Keynote Lectures 2020 Non-EMBC Member States	Tracy Palmer	45th Lorne Conference on Protein Structure and Function	AU-Lorne	9–13 February 2020
	Manuel Zimmer	Second Latin American C. elegans Meeting	AR-Rosario	19–21 February 2020
	Didier Stainier	Sixth International Symposium of The Latin American Zebrafish Network (LAZEN 2020)	PE-Cusco	29 March–2 April 2020
	Antony Carr	FASEB SRC 'Dynamic DNA Structures in Biology'	CA-Western Shore	7–12 June 2020
	Elena Conti	2020 FASEB conference on 'Post-Transcriptional Control of Gene Expression: Mechanism of RNA Decay'	US-West Palm Beach	19–24 July 2020
	Hans C. Clevers	2020 National Academic Conference of Chinese Society of Cell Biology	CN-Suzhou	4–7 August 2020
	Michael Way	2020 National Academic Conference of Chinese Society of Cell Biology	CN-Suzhou	4–7 August 2020
	Ueli Grossniklaus	RAfV2020 Plant Physiology Meeting	AR-Santa Fe	5–8 October 2020
	Maria Ina Arnone	Developmental Biology of Sea Urchins and other Marine Invertebrates XXVI	US-Woods Hole	18–22 October 2020
Stephan Grill	Fourth International Mechanobiology Conference	AU-Sydney	1–4 November 2020	
Marino Zerial	Small GTPases in Membrane Processes: Trafficking, Autophagy and Disease	CA-Nova Scotia	15–20 August 2021	

EMBO Global Lecture Series

www.embo.org/funding/lecture-travel-and-childcare-grants/embo-global-lecture-series | global@embo.org

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

Bettina Trueb
Head, Government Activities

EMBO Global Lecture Series 2020

Speaker	Meeting or institution	Location	Dates
Joanna Sulkowska EMBO Young Investigator	Indian Institute of Technology Madras	IN-Chennai	26 January - 3 February
	National Centre for Biological Sciences (NCBS)	IN-Bangalore	
	Indian Institute of Technology Bombay	IN-Mumbai	
Elisabeth Knust EMBO Member	12th Young Investigator Meeting 2020	IN-Mahabalipuram	8 - 19 February
	Tata Institute of Fundamental Research	IN-Mumbai	
	National Centre for Biological Sciences (NCBS)	IN-Bangalore	
Mónica Bettencourt-Dias EMBO Member	12th Young Investigator Meeting 2020	IN-Mahabalipuram	11 - 17 February
	Indian Institute of Science	IN-Bangalore	
Anna Akhmanova EMBO Member	12th Young Investigator Meeting 2020	IN-Mahabalipuram	12 - 21 February
	Tata Institute of Fundamental Research	IN-Mumbai	
	Indian Institute of Science	IN-Bangalore	
Ping-Chih Ho EMBO Young Investigator	Academia Sinica	TW-Taipei	7 - 25 December
	National Taiwan University Hospital	TW-Taipei	
	National Yang-Ming University	TW-Taipei	
	Kaohsiung Medical University	TW-Kaohsiung	
	National Chung Cheng University	TW-Chiayi	

EMBO Gold Medal

www.embo.org/the-embo-communities/embo-gold-medalists | communications@embo.org

The EMBO Gold Medal is awarded annually to young scientists for outstanding contributions to the life sciences in Europe. The winner receives a medal and a bursary of 10,000 euros. Young independent group leaders play a major role in building a strong research environment. The EMBO Gold Medal acknowledges and highlights remarkable achievements of this group.

EMBO Gold Medalists 1986 – 2020

1986	John Tooze	Heidelberg, DE	2001	Matthew Freeman	Cambridge, UK	2015	Ido Amit	Rehovot, IL
1987	Barbara Pearse	Cambridge, UK	2002	Amanda Fisher	London, UK		Sarah Teichmann	Cambridge, UK
1988	Antonio Lanzavecchia	Basel, CH	2003	Anthony Hyman	Dresden, DE	2016	Richard Benton	Lausanne, CH
1989	Hugh Pelham	Cambridge, UK	2004	María Blasco	Madrid, ES		Ben Lehner	Barcelona, ES
1990	Erwin Wagner	Vienna, AT	2005	Dario Alessi	Dundee, UK	2017	Maya Schuldiner	Rehovot, IL
1991	Patrick Stragier	Paris, FR	2006	Frank Uhlmann	London, UK	2018	Marek Basler	Basel, CH
1992	Carl-Henrik Heldin	Uppsala, SE	2007	Jan Löwe	Cambridge, UK		Melina Schuh	Göttingen, DE
1993	Jim Smith	London, UK	2008	James Briscoe	London, UK	2019	M. Madan Babu	Cambridge, UK
1994	Paolo Sassone-Corsi	Strasbourg, FR	2009	Gold Medal 2009 revoked in January 2016			Paola Picotti	Zurich, CH
1995	Richard Treisman	London, UK	2010	Jason W. Chin	London, UK	2020	Sarah-Maria Fendt	Leuven, BE
1996	Enrico Coen	Norwich, UK	2011	Simon Boulton	London, UK		Markus Ralser	Berlin, DE
1997	Dirk Görlich	Heidelberg, DE	2012	Jiří Friml	Ghent, BE			
1998	Adriano Aguzzi	Zurich, CH	2013	Thijn Brummelkamp	Amsterdam, NL			
1999	Konrad Basler	Zurich, CH	2014	Sophie Martin	Lausanne, CH			
2000	Christof Niehrs	Heidelberg, DE						
	Daniel St. Johnston	Cambridge, UK						

EMBO Women in Science

www.embo.org/policy/women-in-science | 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
Head

Participation of women in EMBO activities: Statistics

EMBO Courses & Workshops 2016 – 2020

(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
2016	49	35
2017	50	36
2018	51	37
2019*	49	40
2020**	49	36

*2019 data represents 80% of the events
**2020 data represents 63% of the events

EMBO Membership (including Associate Members)

Year	Total number of members	% Women
2014	1656	16.7
2015	1694	17.4
2016	1729	18.0
2017	1779	18.9
2018	1810	19.8
2019	1840	20.5
2020	1871	21.4

Participation of women in EMBO activities: Statistics EMBO Short-Term Fellowships

		Applications	%	Awards	%	Success rate %
2016	Female applicants	362	59	201	57	56
	Male applicants	256	41	149	43	58
	Overall	618		350		57
2017	Female applicants	335	57	170	60	51
	Male applicants	253	43	111	40	44
	Overall	588		281		48
2018	Female applicants	355	59	208	62	59
	Male applicants	243	41	129	38	53
	Overall	598		337		56
2019	Female applicants	322	58	199	57	62
	Male applicants	232	42	150	43	65
	Overall	554		349		63
2020	Female applicants	195	59	122	57	63
	Male applicants	137	41	93	43	68
	Overall	332		215		65
2016 - 2020	Female applicants	1569	58	900	59	57
	Male applicants	1121	42	632	41	56
	Overall	2690		1532		57

Participation of women in EMBO activities: Statistics EMBO Postdoctoral Fellowships

		Applications	%	Awards	%	Success rate %
2016	Female applicants	733	47	67	39	9
	Male applicants	828	53	103	61	12
	Overall	1561		170		11
2017	Female applicants	594	50	80	42	13
	Male applicants	596	50	109	58	18
	Overall	1190		189		16
2018	Female applicants	575	48	76	40	13
	Male applicants	625	52	114	60	18
	Overall	1200		190		16
2019	Female applicants	589	50	89	48	15
	Male applicants	600	50	95	52	16
	Overall	1189		184		15
2020	Female applicants	661	51	66	44	10
	Male applicants	626	49	84	56	13
	Overall	1287		150		12
2016 - 2020	Female applicants	3152	49	378	43	12
	Male applicants	3275	51	506	57	15
	Overall	6427		884		14

Participation of women in EMBO activities: Statistics EMBO Young Investigator Programme

		Applications	%	Awards	%	Success rate %
2016	Female applicants	65	30	9	36	14
	Male applicants	149	70	16	64	11
	Overall	214		25		12
2017	Female applicants	88	34	11	39	13
	Male applicants	169	66	17	61	10
	Overall	257		28		11
2018	Female applicants	74	38	11	42	15
	Male applicants	121	62	15	58	12
	Overall	195		26		13
2019	Female applicants	73	31	7	26	10
	Male applicants	161	69	20	74	12
	Overall	234		27		12
2020	Female applicants	76	34	11	37	14
	Male applicants	149	66	19	63	13
	Overall	225		30		13
2016 - 2020	Female applicants	376	33	49	36	13
	Male applicants	749	67	87	64	12
	Overall	1125		136		12

Participation of women in EMBO activities: Statistics EMBO Installation Grants

		Applications	%	Awards	%	Success rate %
2016	Female applicants	19	28	2	29	11
	Male applicants	50	72	5	71	10
	Overall	69		7		10
2017	Female applicants	13	30	3	50	23
	Male applicants	31	70	3	50	10
	Overall	44		6		14
2018	Female applicants	15	31	4	40	27
	Male applicants	33	69	6	60	18
	Overall	48		10		21
2019	Female applicants	18	37	3	27	17
	Male applicants	31	63	8	73	26
	Overall	49		11		22
2020	Female applicants	19	37	1	13	5
	Male applicants	32	63	7	88	22
	Overall	51		8		16
2019 - 2020	Female applicants	84	32	13	31	16
	Male applicants	177	68	29	69	15
	Overall	261		42		16

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	73	5	56	17
	Overall	40		9		23
2020	Female applicants	15	24	1	11	7
	Male applicants	47	76	8	89	17
	Overall	62		9		15
2019 - 2020	Female applicants	26	25	5	28	19
	Male applicants	76	75	13	72	17
	Overall	102		18		18

EMBO staff

EMBO staff under contract in 2020

Director	Maria Leptin	EMBO Director	director@embo.org
Director's Office	Eilish Craddock	Personal Assistant to EMBO Director	eilish.craddock@embo.org
	Bettina Trueb	Senior Project Coordinator	bettina.trueb@embo.org
	Sophia Hercus	Assistant, EMBC and EMBO Council	sophia.hercus@embo.org
EMBO Membership	Volker Wiersdorff	Head, EMBO Membership & Elections	volker.wiersdorff@embo.org
	Larisa Bulgatova	Programme Officer	larisa.bulgatova@embo.org
	Sophia Hercus	Programme Assistant	sophia.hercus@embo.org
Courses & Workshops Programme, Lecture Grants courses_workshops@embo.org	Gerlind Wallon	Head, Courses & Workshops Programme	gerlind.wallon@embo.org
	Joy Akinyi	Programme Officer	joy.akinyi@embo.org
	Ayesha Asif	Programme Officer	ayesha.asif@embo.org
	Anna Larsson	Programme Officer (absence cover)	
	Igor Jukic	Graphic Design & Communications Officer	igor.jukic@embo.org
Fellowship Programme fellowships@embo.org	David del Alamo	Head, Fellowship Programme	david.del.alamo@embo.org
	Larisa Bulgatova	Programme Officer	larisa.bulgatova@embo.org
	Ingrid Busby	Programme Officer	ingrid.busby@embo.org
	Benardine Ngu	Accounting & Programme Officer	benardine.ngu@embo.org
	Susi Power	Programme Officer	susi.power@embo.org
	Inga Strazda	Programme Specialist	inga.strazda@embo.org
	Raimonda Augutyte	Programme Officer (maternity cover)	
Global Activities global@embo.org	Bettina Trueb	Head of Global Activities - Government Relations	bettina.trueb@embo.org
	Gerlind Wallon	Head of Global Activities - Scientific Activities	gerlind.wallon@embo.org
	Betsi Flores	Programme Officer	betsi.flores@embo.org
Science Policy Programme policy@embo.org	Michele Garfinkel	Head, Science Policy Programme	michele.garfinkel@embo.org
	Alessandra Bendiscioli	Senior Programme Officer	alessandra.bendiscioli@embo.org
	Vid Nukala	Senior Community Engagement Officer	vid.nukala@embo.org
	Helen Sitar	Programme Officer	helen.sitar@embo.org

EMBO staff under contract in 2020

Young Investigator Network (Young Investigator Programme, Installation Grants, Global Investigator Network and Women in Science) yip@embo.org	Gerlind Wallon	Head, Young Investigator Network/Women in Science	gerlind.wallon@embo.org
	Lena Steshenko	Senior Programme Officer	olena.steshenko@embo.org
	Betsi Flores	Programme Officer	betsi.flores@embo.org
	Rita Freischlad	Programme Assistant	rita.freischlad@embo.org
EMBO Press	Bernd Pulverer	Head of EMBO Press, Chief Editor, The EMBO Journal	bernd.pulverer@embo.org
	Thomas Lemberger	Deputy Head of EMBO Press, Chief Editor, Molecular Systems Biology	thomas.lemberger@embo.org
	Elisabetta Argenzio	Editor, The EMBO Journal	elisabetta.argenzio@embo.org
	Stefanie Boehm	Editor, The EMBO Journal	stefanie.boehm@embo.org
	Erica Boxheimer	Editorial Assistant, Data Integrity Analyst	erica.boxheimer@embo.org
	Holger Breithaupt	Senior Editor, EMBO Reports	holger.breithaupt@embo.org
	Achim Breiling	Editor, EMBO Reports	achim.breiling@embo.org
	Céline Carret	Senior Editor, EMBO Molecular Medicine	celine.carret@embo.org
	Annika Diederich	Editorial Assistant	annika.diederich@embo.org
	Karin Dumstrei	Senior Editor, The EMBO Journal and Coordinator, EMBO Press	karin.dumstrei@embo.org
	Ieva Gailite	Editor, The EMBO Journal	ieva.gailite@embo.org
	Jingyi Hou	Editor, EMBO Molecular Medicine & Molecular Systems Biology	jingyi.hou@embo.org
	Daniel Klimmeck	Editor, The EMBO Journal	daniel.klimmeck@embo.org
	Joel Maupin	Marketing & Project Manager	joel.maupin@embo.org
	Sara Monaco	Managing Editor, Review Commons	sara.monaco@embo.org
	Giorgia Carta	Editorial Assistant, Review Commons	giorgia.carta@embo.org
	Shirin Neidlein	Editorial Assistant, Review Commons	
Fiona Panayi	Editorial Administrator	fiona.panayi@embo.org	
Maria Polychronidou	Senior Editor, Molecular Systems Biology; Training Coordinator, EMBO Press	maria.polychronidou@embo.org	
Martina Rembold	Editor, EMBO Reports	martina.rembold@embo.org	
Christopher Rickerby	Editorial Assistant	christopher.rickerby@embo.org	
Deniz Senyilmaz Tiebe	Editor, EMBO Reports	deniz.tiebe@embo.org	

EMBO staff under contract in 2020

Administration & Finance	Bernhard Huber	Head, Administration & Finance	bernhard.huber@embo.org
	Jonathan Kirsch	Deputy Head, Administration & Finance	jonathan.kirsch@embo.org
	Seán Bourke	Reception & Building Maintenance	sean.bourke@embo.org
	Eva Portik	Financial Officer	eva.portik@embo.org
	Benardine Ngu	Accounting & Programme Officer	benardine.ngu@embo.org
SourceData	Thomas Lemberger	Head of SourceData	thomas.lemberger@embo.org
	Hannah Sonntag	Scientific and Outreach Coordinator	hannah.sonntag@embo.org
EMBO Press Innovations/ Life Science Alliance contact@life-science-alliance.org	Reilly Lorenz	Editorial Assistant	r.lorenz@life-science-alliance.org
EMBO Marketing & Communications communications@embo.org	Tilmann Kiessling	Head, Marketing & Communications	tilmann.kiessling@embo.org
	Astrid Gall	Communications Officer & Writer	astrid.gall@embo.org
	Laura Hiscott	Communications Trainee	
	Igor Jukic	Graphic Design & Communications Officer	igor.jukic@embo.org
	Pauline Marchetti	Graphic Designer	pauline.marchetti@embo.org
	Stephen Pewter	Digital Communications & Information Officer	stephen.pewter@embo.org
Information Support & Resources	Volker Wiersdorff	Head, Information Support & Resources	volker.wiersdorff@embo.org
	Martin Kubik	IT Systems Administrator	martin.kubik@embo.org
	Alejandro Riera Mainar	Senior Developer & Data Specialist	alejandro.riera@embo.org
	Stephen Pewter	Digital Communications & Information Specialist	stephen.pewter@embo.org



EMBO
 Meyerhofstr. 1
 69117 Heidelberg
 Germany
 T +49 6221 8891 0
 F +49 6221 8891 200
communications@embo.org
www.embo.org



EMBC European Molecular
 Biology Conference
 Meyerhofstr. 1
 69117 Heidelberg
 Germany
 T +49 6221 8891 0
 F +49 6221 8891 202
embc@embo.org
embc.embo.org

Responsible Editor
 Tilmann Kießling

**Production: Coordination,
 layout, graphics, cover**
 Sandra Krahl
 Igor Jukic

Data curation
 Joy Akinyi
 Inga Brak
 Larisa Bulgatova-Gottschalk
 Betsi Flores
 Rita Freischlad
 Sophia Hercus
 Joel Maupin
 Susi Power
 Lena Steshenko
 Bettina Trueb
 Volker Wiersdorff

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CONTACT EMBO & EMBC



Maria Leptin
 EMBO Director



EMBO Courses & Workshops
 EMBO Young Investigators
 EMBO Installation Grants
 EMBO Global Investigator
 Network
 EMBO Women in Science
 EMBO Keynote Lectures
Gerlind Wallon
 Programme Head
 Deputy Director
 +49 6221 8891 112



EMBO Scientific Publications
Bernd Pulverer
 Head
 +49 6221 8891 501



Eilish Craddock
 Personal Assistant to
 the EMBO Director
 +49 6221 8891 102



EMBO Fellowships
Kelly Sheehan-Rooney
 Programme Head
 +49 6221 8891 122



EMBO Scientific Publications
Thomas Lemberger
 Deputy Head
 +49 6221 8891 404



Administration & Finance
Jonathan Kirsch
 Head
 +49 6221 8891 126



EMBO Science Policy
Michele Garfinkel
 Programme Head
 +49 6221 8891 552



EMBO Global Activities
Bettina Trüb
 Head
 +49 6221 8891 562



EMBC
 EMBO Council &
 Committees
Sophia Hercus
 Assistant
 +49 6221 8891 200



EMBO Communications
Tilmann Kießling
 Head
 +49 6221 8891 108



Information Support &
 Resources
 Membership & Elections
Volker Wiersdorff
 Head
 +49 6221 8891 118

Complete list of EMBO staff on pages 90 – 92.

