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Singapore ●

EMBO 2018
facts & figures

EMBO

facts & figures 2018



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

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

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

EMBO supports talented researchers, selected through impartial evaluation processes, to allow them to do great science. The wide scientific scope across the full range of life science research coupled with the broad geographical reach of more than 1,800 members and associate members – some of the best researchers in Europe and around the world – positions EMBO optimally to serve the life science community.

EMBC

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

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

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Maria Leptin
EMBO Director

Preface

This brochure reports on another busy year in which we maintained and delivered the EMBO Programmes and activities, but also prepared for new developments and upcoming challenges.

The EMBO community continued to grow in 2018. 62 life scientists from 26 countries were elected as Members or Associate Members, recognizing their outstanding contributions as researchers. The EMBO Membership now counts more than 1,800 life scientists in Europe and worldwide, who provide their expertise in the selection of those scientists who are supported by the EMBO Programmes. By serving on EMBO Council and providing strategic input, the EMBO Members also determine the future direction for EMBO.

26 Young Investigators and ten Installation Grantees were selected to benefit from financial support and networking activities to facilitate their transition to being leaders of independent research groups. EMBO supported excellent postdoctoral researchers by awarding 190 EMBO Long-Term Fellowships and five Advanced Postdoctoral Fellowships, and it encouraged international scientific exchange by providing 337

Short-Term Fellowships to researchers at all career stages and from all disciplines across the life sciences. EMBO continued to foster scientific discussion and the exchange of knowledge: 97 scientific workshops and practical courses attracting more than 11,000 life scientists received EMBO funding.

Like in previous years, EMBO engaged in crucial discussions on topics with relevance to science policy, with EMBO staff contributing to more than 40 policy meetings and workshops. The topics and issues EMBO focused on ranged from Open Access and Open Science to responsible research practices, the assessment of researchers and the exit of the UK from the EU.

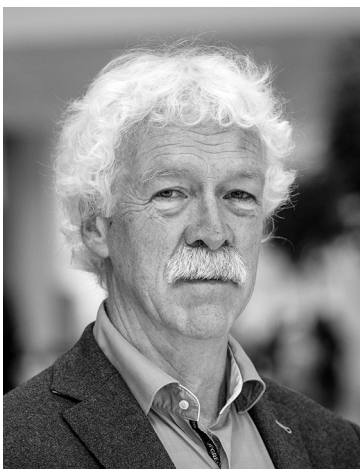
Working towards Open Access publishing, EMBO continued to support the idea of making the scientific literature freely accessible. However, we also cautioned not to sacrifice the existence of selective journals as an unintended result of equating ‘open’ to ‘for free’. As one possible answer to the question how to shape Open Access publishing, EMBO Press, together with Rockefeller University Press and Cold Spring Harbor Laboratory Press, launched the Open Access journal Life Science Alliance.

Finally, EMBO SourceData, the open platform that makes the data in research papers directly searchable, has been developed further. The EMBO Press publications The EMBO Journal, EMBO Reports, Molecular Systems Biology and EMBO Molecular Medicine now process all accepted manuscripts through SourceData and make their raw data files downloadable from the EMBL-EBI’s “BioStudies” repository.

I sincerely thank the EMBC Delegates, the EMBO Members serving on Council and Committees and EMBO staff for another year of promoting excellence in the life sciences.

A handwritten signature in dark ink, consisting of a stylized 'M' followed by a horizontal line and a small flourish.

Maria Leptin
EMBO Director



Gerrit van Meer
EMBC President

Preface

Europe as a common political space is no longer self-evident, and a negative impact on the common scientific space in Europe seems likely. The constant focus on common, cross-border goals is what strikes me most about the EMBC and EMBO. These two organizations continue to reflect on the essence of the life sciences: collaborating efficiently across borders and sharing knowledge without barriers to advance the understanding of life. This is what lies at the heart of the organizations, and what makes them unique and valuable.

In addition, EMBO drives scientific progress through its membership. Through their international collaborations, connections and scientific expertise, the more than 1,800 EMBO Members strengthen the research community.

The EMBC was founded 50 years ago in order to provide funding to EMBO to be a transnational, independent initiative with the mission to foster excellence in the life sciences by promoting excellent life scientists and by enabling networking and knowledge exchange in Europe and beyond. Furthermore,

EMBO's science policy engagement has developed further, becoming an increasingly important activity for the community.

As President of the EMBC, it is my wish that EMBO will be equipped with the means to further strengthen these three areas for the good of life science research in general and individual researchers in particular.

It is a pleasure to experience the ongoing growth of the EMBC. In 2018 we welcomed Montenegro as the 30th EMBC Member State, making all life scientists working in this country eligible for the EMBO Programmes. We are pleased to welcome Montenegro as part of the life science community that EMBO represents and look forward to offer the country's scientists the opportunities and support available in all of the EMBC Member and Associate Member states.

In 2019 we will use the occasion of EMBC's anniversary to acknowledge its sustained support for the life science community over five decades. An anniversary symposium will provide the framework for us to take the time to thank all of the EMBC Member States and their delegates for their ongoing commitment.

It will be an important year in other ways, too. With the next Indicative Scheme, we have the opportunity to set the course to provide EMBO with the financial means to maintain its current level and quality of support for researchers, and, at the same time, to initiate the reform of the EMBO Long-Term Fellowship Programme and to extend its work in shaping science policy. I am inviting all EMBC delegates to help and make this happen – the actions we take today will determine the benefits of the EMBO Programmes for life scientists in the future.

Gerrit van Meer
EMBC President

EMBO actions 2018

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

→ EMBO COUNCIL & OFFICERS 2018

Paul Nurse

EMBO SECRETARY GENERAL

Carl-Henrik Heldin

CHAIR, EMBO COUNCIL

Titia Sixma

VICE CHAIR, EMBO COUNCIL

Karen Avraham

Adrian Bird

Victor de Lorenzo

Anne Ephrussi

Matthew Freeman

Michael Hall

Regine Kahmann

Jürgen Knoblich

Michel Labouesse

László Nagy

Paul Schulze-Lefert

Claudio Sunkel

Karen Vousden

MEMBERS OF EMBO COUNCIL

→ See page 14 for a detailed list of the 2018 EMBO Council

EMBO Membership and Council

- 53 new members from 17 countries in Europe and nine associate members based in nine different countries were elected. They join a group of more than 1,800 of the best researchers in Europe and around the world. 36% of the newly elected members are female.
- Council re-elected *Carl-Henrik Heldin* as Chair and *Titia Sixma* as Vice Chair of EMBO Council for the year 2019.
- *Titia Sixma*, *Karen Avraham*, and *László Nagy* were re-elected, and *Eileen Furlong* and *Jiří Lukas* were newly elected to serve on EMBO Council for the period 2019–2021.

EMBO activities

- 190 Long-Term, 337 Short-Term and five Advanced Fellowships were awarded.
- 26 young researchers were selected as EMBO Young Investigators. They join a network of some of the best up-and-coming group leaders in the life sciences in Europe and beyond.
- Ten Installation Grants were awarded.
- 97 scientific courses and workshop, attended by more than 11,000 scientists, were funded.
- EMBO organized a workshop on analyzing the use of focal randomization as part of selection processes for fellowship awards.
- EMBO Science Policy conducted four workshops on research integrity at institutes in EMBO Member States.

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, Open Access, pre-prints and peer review.
- EMBO and EMBL held ten joint EMBO | EMBL Symposia in Heidelberg, Germany.

EMBO actions 2018

- Together with the American Society for Cell Biology, EMBO held the second joint ASCB | EMBO Meeting in San Diego, USA, attended by more than 4,000 scientific participants.
- SourceData, an open platform from EMBO designed to make published scientific data easily findable, was implemented into the EMBO Press production workflow, making hosted data openly available.
- The recipients of the EMBO Gold Medal 2018 are microbiologist Marek Basler for his pioneering work on bacterial type VI secretion systems (T6SS), and biochemist Melina Schuh for her ground-breaking work on meiosis in mammalian oocytes.
- Frauke Melchior received the 2018 FEBS | EMBO Women in Science Award for discovering a link between the small ubiquitin-like modifier (SUMO), oxidative stress and DNA damage, but also to recognize her generosity in guiding and mentoring young researchers and sharing protocols and reagents with the scientific community.

Financial matters

- The EMBO Council approved the accounts for 2017 and the budget for the EMBO activities for 2019. The EMBC funding is supplemented with income from the EMBO scientific publications. It is also used to pilot EMBO activities that are not funded by the EMBC.
- Since 2009, the EMBO and EMBC accounts have been audited by KPMG Switzerland. This audit is carried out in addition to the standard auditing by a national audit court from one of the EMBC Member States.

→ EMBO COMMITTEE CHAIRS 2018

Philippe Sansonetti

EMBO Membership Committee

Luca Scorrano

EMBO Fellowship Committee

Christian Lehner

EMBO Course Committee

Karim Labib

EMBO Young Investigator Committee

Ivan Dikic

EMBO Publications Advisory Board

→ See page 15 for a complete list of the 2018 committee members

→ EMBO Council Office

council_office@embo.org

EMBC actions 2018

→ EMBC OFFICERS 2018

Gerrit van Meer NETHERLANDS
PRESIDENT

Eiríkur Steingrímsson ICELAND

Boris Turk SLOVENIA
VICE PRESIDENTS

Anne Paoletti FRANCE
SECRETARY GENERAL

Troels Tvedegaard Rasmussen
DENMARK FINANCE COMMITTEE CHAIR

Lovorka Barač Lauc CROATIA
FINANCE COMMITTEE VICE CHAIR

→ STRATEGIC WORKING PARTY 2018

Ahmet Ademoglu TURKEY

Lucia Banci ITALY

Hemma Bauer AUSTRIA

Josiane Entringer LUXEMBOURG

Angela Nieto SPAIN

Barbara Ohnesorge GERMANY

Mark Palmer UNITED KINGDOM

Anne Paoletti FRANCE

Eiríkur Steingrímsson ICELAND

Boris Turk SLOVENIA

Troels Tvedegaard Rasmussen
DENMARK

Gerrit van Meer NETHERLANDS CHAIR

→ See pages 12 for a list of
all EMBC Delegates

The major decisions resulting from the meetings of the EMBC Delegates in July and November 2018 are listed below. The Conference was supported by the Finance Committee, which met in July.

Election of officers for 2019

- EMBC re-elected *Gerrit van Meer* (NL) as President of EMBC.
- EMBC re-elected *Eiríkur Steingrímsson* (IS) and *Boris Turk* (SI) as Vice Presidents of EMBC.
- EMBC re-elected *Anne Paoletti* (FR) as Secretary General of EMBC.
- EMBC re-elected *Troels Tvedegaard Rasmussen* (DK) as Chair of the EMBC Finance Committee.
- EMBC re-elected *Lovorka Barač Lauc* (Croatia) as Vice Chair of the EMBC Finance Committee.

Financial matters

- EMBC noted the reports of the external auditors and approved the accounts for 2017.
- EMBC approved the budget for 2019.

EMBC actions 2018

→ 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

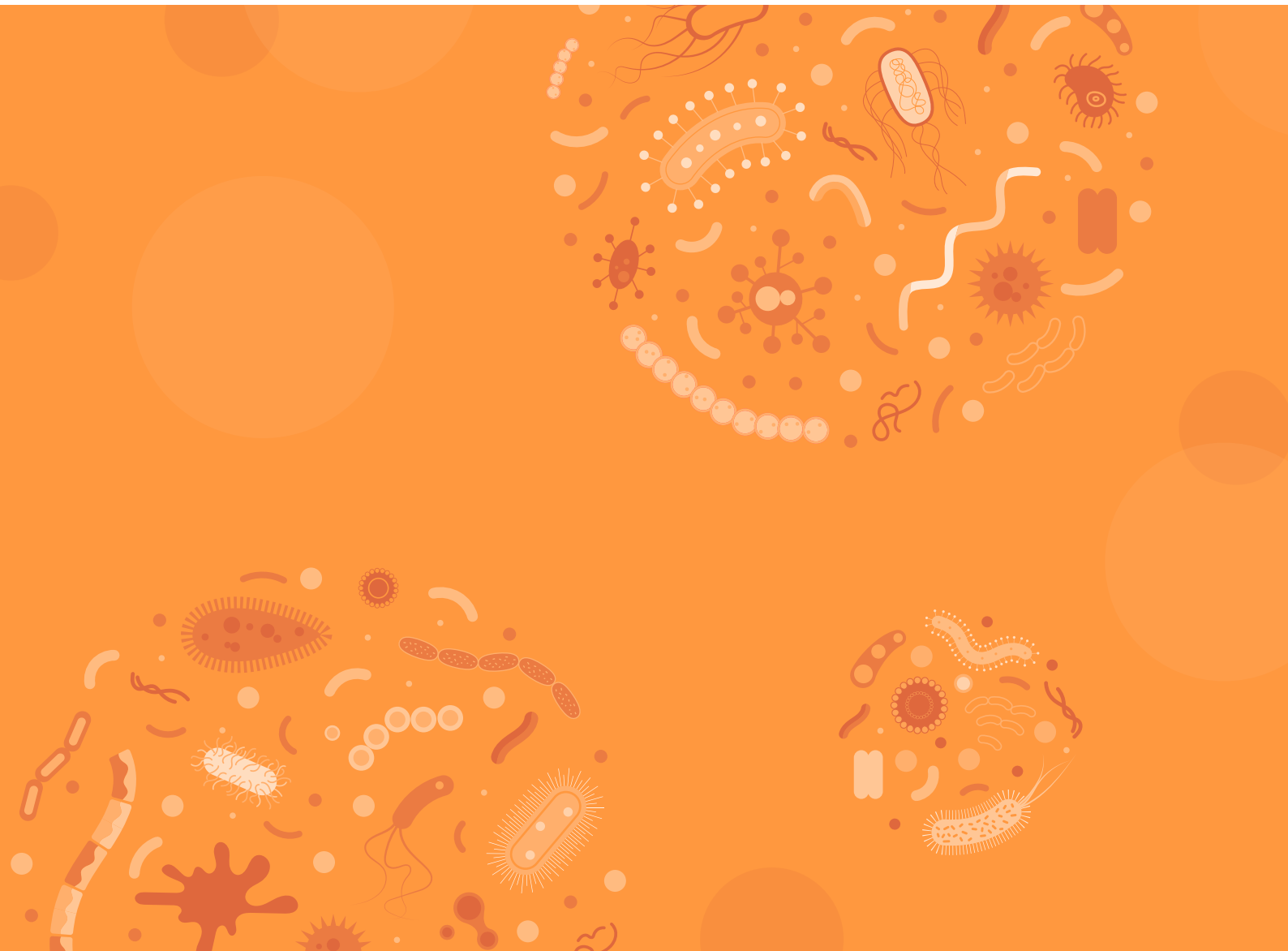
France
Germany
Italy
Spain
United Kingdom

ELECTED MEMBERS (2016 – 2018)

Austria
Belgium
Croatia
Denmark
Poland
Portugal
Netherlands

→ For the scale of contributions by the individual EMBC Member States and use of the budget see page 13

→ EMBC Office
embc_office@embo.org



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EMBO Gold Medal	92
EMBO Women in Science	93–95
EMBO staff in Heidelberg	96–97

EMBC Delegates & Advisers

embc.embo.org

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

embc_office@embo.org

Prof. Gerrit Van Meer
EMBC President

Anne Paoletti
EMBC Secretary General

Austria

Dr. Hemma Bauer
Prof. Veronika Sexl

Belgium

Dr. Laurent Ghys
Mr. Alain Heynen
Prof. Marc van Montagu

Croatia

Dr. Lovorka Barać Lauc
Prof. Krešimir Pavelić

Czech Republic

Mr. Jan Buriánek
Prof. Zdena Palková

Denmark

Prof. Birthe Kragelund
Mr. Troels Tvedegaard Rasmussen

Estonia

Prof. Maia Kivisaar
Dr. Toivo Raim

Finland

Prof. Johanna Myllyharju
Dr. Sirpa Nuotio

France

Dr. Elena Hoffert
Dr. Anne Paoletti

Germany

Prof. Patrick Cramer
Dr. Jan Grapentin
Dr. Barbara Ohnesorge
Prof. Peter Becker

Greece

Prof. Spyros Georgatos
Ms. Panagiota Katsafana

Hungary

Mr. Gergely Boehm
Prof. László Patthy

Iceland

Prof. Eiríkur Steingrímsson

Ireland

Dr. Maria Nash
Mr. Garry Purcell

Israel

Dr. Yossi Kalifa
Prof. Joel Sussman

Italy

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

Lithuania

Dr. Milda Jodinskienė
Prof. Virginijus Šikšnys

Luxembourg

Ms. Josiane Entringer
Ms. Corinne Kox

Malta

Dr. Joseph Borg
Dr. Christian Spiteri

Montenegro

Dr. Danilo Mrdak
Ms. Djurdjina Bulatović

Netherlands

Mr. Richard Derksen
Dr. Luise Perbal
Dr. Jeannette Ridder-Numan
Drs. Santje van Londen
Prof. Gerrit van Meer

Norway

Prof. Oddmund Bakke
Dr. Jacob E. Wang

Poland

Prof. Leszek Kaczmarek
Ms. Maria Klimkiewicz

Portugal

Ms. Luisa Igreja
Prof. Cláudio Sunkel

Slovak Republic

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

Slovenia

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

Spain

Dr. Cristina Bauluz
Prof. M. Angela Nieto

Sweden

Prof. Björn Andersson
Dr. Maria Thuveson

Switzerland

Dr. Isabella Beretta
Prof. Damian Brunner

Turkey

Prof. Ahmet Ademoglu
Dr. Jale Sahin

United Kingdom

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

EMBC Member States financial contributions & use for EMBO Programmes

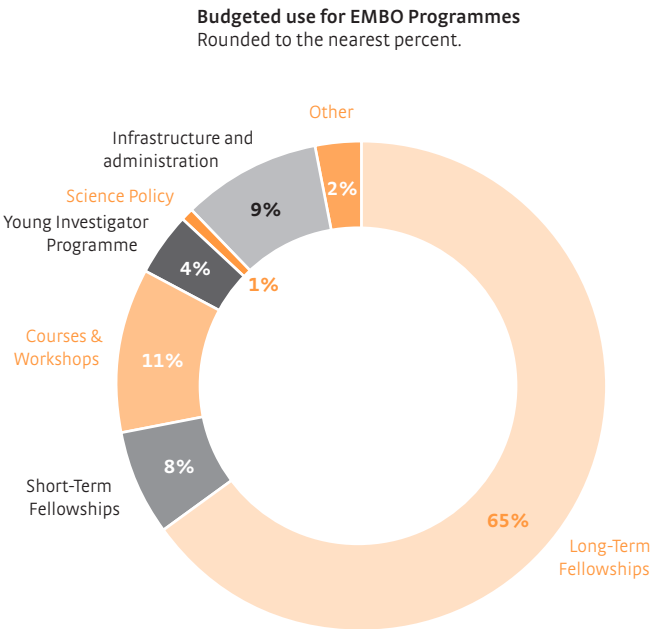
embc@embo.org

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

Entire budget 2018:
Euro 21,309,586

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	0.94
Israel	1.46
Italy	10.40
Lithuania	0.14
Luxembourg	0.18
Malta	0.03
Netherlands	4.40
Norway	2.64
Poland	2.65
Portugal	1.05
Slovak Republic	0.46
Slovenia	0.21
Spain	6.80
Sweden	2.88
Switzerland	3.65
Turkey	4.05
United Kingdom	14.43
Total	100.00

* Montenegro, EMBC Member State since 2018, is not yet reflected in this overview.



EMBO Council

www.embo.org/about-embo/council

communications@embo.org

2018

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	Karen B. Avraham	IL-Tel Aviv
	2017–2019	Adrian Bird	UK-Edinburgh
	2014–2016, 2017–2019	Victor de Lorenzo	ES-Madrid
	2013–2015, 2016–2018	Anne Ephrussi	DE-Heidelberg
	2018–2020	Matthew Freeman	UK-Oxford
	2017–2019	Michael N. Hall	CH-Basel
	2015–2017, 2018–2020	Carl-Henrik Heldin	SE-Uppsala
	2014–2016, 2017–2019	Regine Kahmann	DE-Marburg
	2015–2017, 2018–2020	Jürgen Knoblich	AT-Vienna
	2018–2020	Michel Labouesse	FR-Paris
	2016–2018	László Nagy	HU-Debrecen
	2013–2015, 2016–2018	Paul Schulze-Lefert	DE-Cologne
	2016–2018	Titia Sixma	NL-Amsterdam
	2017–2019	Claudio E. Sunkel	PT-Porto
	2015–2017, 2018–2020	Karen Vousden	UK-Glasgow

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

Ex officio Council members	Maria Leptin	Director, EMBO
	Paul Nurse	Secretary General, EMBO
Observers	Gerrit van Meer	President, EMBC
	Anne Paoletti	Secretary General, EMBC
	Iain Mattaj	Director General, EMBL
	Philippe Sansonetti	CHAIR EMBO Membership Committee
	Karim Labib	CHAIR EMBO Young Investigator Committee
	Christian Lehner	CHAIR EMBO Course Committee
	Luca Scorrano	CHAIR EMBO Fellowship Committee
	Paul Nurse	CHAIR EMBL SAC

EMBO Committees

www.embo.org/about-embo/committees

communications@embo.org

2018

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

Course Committee

2013 Christian Lehner CH **CHAIR**
 2017 Thomas Lecuit FR
 2015 Zoi Lygerou GR
 2018 Klaus-Armin Nave DE
 2016 Catherine Rabouille NL
 2016 Peter Sebo CZ
 2016 Jens Stougaard DK
 2018 Jernej Ule UK
 2016 Alfonso Valencia ES
 2015 N ria Verdaguer ES

Fellowship Committee

2013 Luca Scorrano IT **CHAIR**
 2018 Malcolm J. Bennet UK
 2018 Fr d ric Berger AT
 2016 Yehudit Bergmann IL
 2016 James Briscoe UK
 2017 Francesco Cecconi DK
 2017 Agnieszka Chacinski PL
 2016 Marie-Anne Felix FR
 2018 Fatima Gebauer Hern ndez ES
 2016 Nancy Hynes CH
 2018 Magda Konarska PL
 2014 Eric Miska UK
 2016 Mariagrazia Pizza IT
 2016 Erin Schumann DE
 2017 Virginijus Siksnys LT
 2015 Michael Sixt AT
 2016 Shahragim Tajbakhsh FR
 2015 J rg Vogel DE

Young Investigator Committee

2014 Karim Labib UK **CHAIR**
 2018 Buzz Baum UK
 2017 Gerhard Christofori CH
 2015 Enrico Coen UK
 2017 Antonella de Matteis IT
 2016 Christoph Dehio CH
 2017 Carlos Dotti ES
 2017 Darren Gilmore DE
 2015 Laura Machesky UK
 2017 Irmgard Sinning DE

Membership Committee

2014 Philippe J. Sansonetti FR **CHAIR**
 2015 Johan Auwerx CH
 2015 Caroline S. Hill UK
 2016 Bernard Malissen FR
 2017 Pere Puigdom nech ES
 2015 Maria Rescigno IT
 2018 David Ron UK
 2018 Claire Rougeulle FR
 2016 Peter Scheiffele CH
 2017 Sarah Teichmann UK
 2016 Markus Wahl DE
 2015 Sabine Werner CH

Science Policy Advisory Group*

2012 Genevi ve Almouzni FR
 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**
 2008 Iain Mattaj DE, EMBL **CHAIR**
 2017 Alexander Aulehla DE, EMBL**
 2008 Anne Ephrussi DE, EMBL
 2015 Henrik Kaessmann CH
 2015 Michel Labouesse FR
 2017 Christian Lehner CH
 2017 Jonas Ries DE, EMBL
 2017 Detlef Weigel DE
 2017 Judith Zaugg DE, EMBL**

Publications Advisory Board*

2009 Ivan Dikic DE **CHAIR**
 2018 Pedro Beltrao UK
 2013 Pietro De Camilli US
 2014 Ari Helenius CH
 2017 Kristian Helin DK
 2017 Chonnetia Jones UK**
 2017 V. Narry Kim KR
 2010 Iain Mattaj DE, EMBL
 2014 Johanna McEntyre UK**
 2014 Tom Misteli US**
 2018 Maya Schuldiner IL
 2013 Frank Uhlmann UK

FEBS | EMBO Women in Science Committee*

2013 Cecilia Arraiano PT
 2017 Thomas Boehm DE
 2017 Anne-Lise Boerresen-Dale NO**
 2014 Johanna Ivaska FI
 2014 Sean Munro UK
 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 elected in 2018

www.embo.org/members

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
Judith E. Allen	University of Manchester, United Kingdom	Type 2 immunity, helminths and macrophage biology
Maria Ina Arnone	Stazione Zoologica 'Anton Dohrn' Napoli, Italy	Developmental gene regulatory network evolution
Salvador Aznar Benitah	Institute for Research in Biomedicine Barcelona, Spain; and Institució Catalana de Recerca i Estudis Avançats (ICREA) Barcelona, Spain	Stem cells in homeostasis, aging and cancer
Marc Bühler	Friedrich Miescher Institute Basel, Switzerland	Epigenetic regulation of gene expression
Janusz M. Bujnicki	International Institute of Molecular and Cell Biology Warsaw, Poland; and Adam Mickiewicz University Poznan, Poland	Computational and experimental structural biology
Sarah J. Butcher	University of Helsinki, Finland	Macromolecular structure and assembly
Peter J. Campbell	Sanger Institute Cambridge, United Kingdom	Somatic mutations in cancer and normal cells
Michele De Luca	Università di Modena, Italy	Epithelial stem cells in cell and gene therapy
George Diallinas	National and Kapodistrian University Athens, Greece	Transporter structure-function and cell biology
Nicole Dubilier	Max-Planck-Institut für Marine Mikrobiologie Bremen, Germany	Symbioses between marine invertebrates and bacteria
Michaela Frye	University of Cambridge, United Kingdom	RNA modifications in stem cells
Sonia Garel	Institute of Biology of the ENS Paris, France	Forebrain wiring and plasticity
Petra Hajkova	Imperial College London, United Kingdom	Molecular mechanisms of epigenetic reprogramming
Gregory J. Hannon	Cancer Research UK Cambridge Institute Cambridge, United Kingdom	Small RNA, the piRNA pathway, cancer biology
Axel Imhof	Ludwig-Maximilians-Universität (LMU) Martinsried, Germany	Chromatin proteomics
Artur Jarmolowski	Adam Mickiewicz University Poznan, Poland	RNA metabolism in plants
Luca Jovine	Karolinska Institutet Huddinge, Sweden	Molecular basis of egg-sperm recognition
Frank Jülicher	MPI für Physik komplexer Systeme Dresden, Germany	Physics of living matter

Name	Institute	Research interest
Jim Kaufman	University of Cambridge, United Kingdom	Structure, function and evolution of immunity
Colin Kleanthous	University of Oxford, United Kingdom	Bacterial protein-protein interactions
Stefan Knapp	Goethe University Frankfurt, Germany; and University of Oxford, United Kingdom	Rational design of chemical probes
Ana-Maria Lennon-Duménil	Institut Curie Paris, France	Immune cell migration
Matthias P. Lutolf	Swiss Federal Institute of Technology Lausanne, Switzerland	Engineering stem cell self-organization
Alexander Meissner	Max Planck Institute for Molecular Genetics Berlin, Germany; and Harvard University Cambridge, United States	DNA methylation in development and disease
Guillermo Montoya	University Copenhagen, Denmark	Structural molecular biology of nanomachines
Eduardo Moreno	Champalimaud Centre for the Unknown Lisbon, Portugal	Fitness fingerprints and mechanical cell competition
François Nédélec	EMBL Heidelberg, Germany; and Centre de Recherches Interdisciplinaires Paris, France	Cellular architecture
Salvatore Oliviero	Università Torino, Italy; and Italian Institute for Genomic Medicine (IIGM) Torino, Italy	Epigenetic modifications to regulate cell fate
Ewa K. Paluch	MRC Laboratory for Molecular Cell Biology London, United Kingdom; and University of Cambridge, United Kingdom	Biophysics of cell shape
Lori A. Passmore	MRC Laboratory of Molecular Biology Cambridge, United Kingdom	Protein complexes that regulate mRNA polyA tails
Ana Pombo	Max-Delbrück-Centrum Berlin, Germany; and Humboldt University Berlin, Germany	Gene regulation and genome architecture
Felix Randow	MRC Laboratory of Molecular Biology Cambridge, United Kingdom	Cell-autonomous and innate immunity
Stefan Raunser	MPI für molekulare Physiologie Dortmund, Germany	Structural studies of macromolecular complexes
Eugenia Russinova	Ghent University, Belgium	Receptor-mediated signaling in plants
Leonid A. Sazanov	Institute of Science and Technology Austria (IST) Klosterneuburg, Austria	Structure and function of membrane proteins
Alexander F. Schier	Biozentrum University of Basel, Switzerland; and Harvard University Cambridge, United States	Vertebrate embryogenesis and behavior
Christa Schleper	University Vienna, Austria	Ecology, physiology and evolution of Archaea
Brenda A. Schulman	MPI für Biochemie Martinsried, Germany	Mechanisms and functions of ubiquitylation
Blanche Schwappach	University Medical Center Göttingen, Germany	Membrane protein biogenesis and sorting
Benjamin D. Simons	University of Cambridge, United Kingdom	Mechanisms of stem and progenitor cell fate

Name	Institute	Research interest
Lea Sistonen	Abo Akademi University Turku, Finland	Transcriptional regulation in cell stress
Thierry Soldati	University of Geneva, Switzerland	Cell-autonomous defence against bacterial infection
Rotem Sorek	Weizmann Institute of Science Rehovot, Israel	The immune system of bacteria: CRISPR and beyond
Petr Svoboda	Institute of Molecular Genetics of the ASCR Prague, Czech Republic	Small and long non-coding RNAs in mammalian oocytes
Kikuë Tachibana	IMBA Vienna, Austria	Mechanisms of zygotic reprogramming to totipotency
Nicolas Tapon	Francis Crick Institute London, United Kingdom	Control of tissue growth and architecture
Marja C.P. Timmermans	Universität Tübingen, Germany	Pattern formation during plant organogenesis
Iva Tolić	Ruđer Bošković Institute Zagreb, Croatia	Biophysics of the mitotic spindle
Xavier Trepat	Institut de Bioenginyeria de Catalunya (IBEC) Barcelona, Spain; and Institució Catalana de Recerca i Estudis Avançats (ICREA) Barcelona, Spain	Integrative cell and tissue mechanobiology
Marie-Hélène Verlhac	Collège de France Paris, France	Oocyte mechanics and morphogenesis
Patrik Verstreken	Katholieke Universiteit Leuven, Belgium	Synaptic and mitochondrial dysfunction in PD
Manuel Zimmer	IMP Vienna, Austria	Neural network dynamics and behavior
Cyril Zipfel	University of Zurich, Switzerland; and The Sainsbury Laboratory Norwich, United Kingdom	Plant immunity and receptor kinase signalling

EMBO Associate Members elected in 2018

EMBO Associate Members are life scientists of any nationality who resided outside EMBC Member States when elected to EMBO Membership. The EMBO Membership includes a total of 152 associate members.

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Alfredo Oscar Cáceres	INIMEC-CONICET-Universidad Nacional Córdoba, Argentina; and Instituto Universitario Ciencias Biomédicas de Córdoba (IUCBC) Córdoba, Argentina	Cytoskeletal signaling and neuronal polarity
A. Bernardo Carvalho	Federal University of Rio de Janeiro, Brazil	Evolutionary genomics of Drosophila Y chromosomes
Michael B. Elowitz	California Institute of Technology Pasadena, United States	Synthetic and systems biology
Karolin Luger	University of Colorado Boulder, United States	Chromatin structure and function
Duanqing Pei	Guangzhou Institutes of Biomedicine and Health Guangzhou, China	Stem cell pluripotency and reprogramming
Janet Rossant	Hospital for Sick Children Toronto, Canada	Early mammalian development and stem cell origins
LS Shashidhara	Indian Institute of Science Education and Research Pune, India; and Ashoka University Haryana, India	Hox gene function and epithelial morphogenesis
Mikiko C. Siomi	University of Tokyo, Japan	RNA silencing: small RNA biogenesis & functions
Tadatsugu Taniguchi	University of Tokyo, Japan	Regulation of immunity, inflammation and cancer

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David del Alamo
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EMBO Long-Term Fellowships →→

EMBO Long-Term Fellowships: Statistics

Applications and awards 2014–2018

Year	Applications	Awards	Success rate %
2018	1200	190	16
2017	1190	189	16
2016	1561	170	11
2015	1549	252	16
2014	1648	247	15

EMBO Long-Term Fellowships: Statistics

Applications and awards 2014–2018

Country from*	Applications	% of total	Awards	% of total	Success rate %
Austria	79	1	15	1	19
Belgium	141	2	24	2	17
Croatia	36	1	6	<1	17
Czech Republic	76	1	8	1	11
Denmark	30	<1	3	0	10
Estonia	19	<1	1	<1	5
Finland	60	1	6	1	10
France	780	11	97	9	12
Germany	656	9	156	15	24
Greece	101	1	17	2	17
Hungary	59	1	4	<1	7
Iceland	3	<1	1	<1	33
Ireland	52	1	6	<1	12
Israel	372	5	76	7	20
Italy	565	8	88	8	16
Lithuania	23	0	6	1	26
Luxembourg	5	<1	2	<1	40
Malta	1	<1	0	0	0
Montenegro					
Netherlands	240	3	56	5	23
Norway	3	<1	1	<1	33
Poland	179	3	20	2	11
Portugal	207	3	28	3	14
Slovak Republic	35	<1	3	<1	9
Slovenia	13	<1	1	0	8
Spain	855	12	92	9	11
Sweden	99	1	12	1	12
Switzerland	61	1	14	1	23
Turkey	76	1	13	1	17
United Kingdom	202	3	44	4	22
Eastern Europe	152	2	23	2	15
USA/Canada	340	5	79	8	23
Others	1628	23	146	14	9
Total	7148	100	1048	100	15

* “Country from” refers to nationality

EMBO Long-Term Fellowships awarded in 2018 | EMBC Member States' nationals

Name	Nationality	Home institute	Group leader	Host institute	Project
Michael Ebner	Austrian	Max F. Perutz Laboratories University of Vienna, Austria	Volker Haucke	Leibniz-Institut für Molekulare Pharmakologie (FMP) Berlin, Germany	Elucidation of molecular mechanisms that couple phosphoinositide signaling to lysosomal transport and function
Camille Goemans	Belgian	de Duve Institute Brussels, Belgium	Nassos Typas	EMBL Heidelberg, Germany	Dissecting the emergence of drug resistance in gut microbes
Jelle Jacobs	Belgian	Katholieke Universiteit Leuven, Belgium	Alexander Stark	IMP Vienna, Austria	Uncovering molecular mechanisms of active transcriptional repression
Amy Beedle	British	King's College London, United Kingdom	Pere Roca-Cusachs	Institut de Bioenginyeria de Catalunya (IBEC) Barcelona, Spain	Switching the behaviour of focal adhesion kinase using mechanical force
Sarah Bowling	British	Imperial College London, United Kingdom	Fernando Camargo	Children's Hospital Boston Boston, United States	Generating a global view of cell lineage trees during early mouse embryo development
Erik Clark	British	University of Cambridge, United Kingdom	Angela DePace	Harvard Medical School Boston, United States	Data-driven modelling of pair-rule gene regulation in the Drosophila blastoderm
Michael Grange	British	Wellcome Trust Centre for Human Genetics Oxford, United Kingdom	Stefan Raunser	MPI für molekulare Physiologie Dortmund, Germany	In-situ determination of the molecular and structural organisation of the microtubule/Z-disk junction within the sarcomere of contracting cardiomyocytes
Tom Hiscock	British	Harvard Medical School Boston, United States	John Marioni	University of Cambridge, United Kingdom	Cell state flexibility and robustness during early mouse development
Daniel Hurdiss	British	University Leeds, United Kingdom	Friedrich Förster	Utrecht University, Netherlands	Structural and functional studies of enterovirus 2C proteins: Promising targets for antiviral therapy
Julia Merkenschlager	British	Francis Crick Institute London, United Kingdom	Michel Nussenzweig	Rockefeller University New York, United States	Resolving Apoptosis during lymphocyte development
Thomas Peskett	British	Birkbeck College London, United Kingdom	Yves Barral	ETH Zurich, Switzerland	Cellular control of Whi3 protein aggregation and its age-dependent malfunction
Thomas Scott	British	John Innes Centre Norwich, United Kingdom	Joern Piel	ETH Zurich, Switzerland	Splicases from microbial dark matter: Expanding protein structural and functional diversity
Samuel Walker	British	Champalimaud Centre for the Unknown Lisbon, Portugal	Bradford Lowell	Beth Israel Deaconess Medical Center (BIDMC) Boston, United States	Neural circuit principles of motivational state competition
Ivana Jerkovic	Croatian	Max Planck Institute for Molecular Genetics Berlin, Germany	Giacomo Cavalli	CNRS Institute of Human Genetics Montpellier, France	A locus-specific approach to dissect the functional link between genome architecture and transcription
Jaroslav Icha	Czech	MPI für molekulare Zellbiologie und Genetik Dresden, Germany	Johanna Ivaska	Centre for Biotechnology Turku, Finland	Spatio-temporal co-ordination of integrin-mediated adhesion and integrin endocytosis

EMBO Long-Term Fellowships awarded in 2018 | EMBC Member States' nationals

Name	Nationality	Home institute	Group leader	Host institute	Project
Anna Koslova (lounkova)	Czech	Institute of Molecular Genetics of the ASCR Prague, Czech Republic	Matthias Fischer	MPI für medizinische Forschung Heidelberg, Germany	Characterization of genome integration of the virophage mavirus
Daniel Mateju	Czech	MPI für molekulare Zellbiologie und Genetik Dresden, Germany	Jeffrey Chao	Friedrich Miescher Institute Basel, Switzerland	Investigating the molecular mechanisms of translational reprogramming during cellular stress
Maikel Boot	Dutch	VU University Amsterdam, Netherlands	Hesper Rego	Yale University School of Medicine New Haven, United States	The role of physiological heterogeneity of single mycobacterial cells during infection
Linda Franken	Dutch	University Groningen, Netherlands	Kay Grunewald	Heinrich Pette Institute Hamburg, Germany	Completing the adenovirus 'life'-cycle
Florien Gorter	Dutch	Wageningen University, Netherlands	Martin Ackermann	ETH Zurich, Switzerland	Experimental evolution of species interactions in a model microbial community
Tom Kruitwagen	Dutch	ETH Zurich, Switzerland	Jürgen Knoblich	IMBA Vienna, Austria	Investigating prion-like mechanisms of neurodegenerative diseases in human cerebral organoids
Joran Martijn	Dutch	Uppsala University, Sweden	Andrew J. Roger	Dalhousie University Halifax, Canada	Reconstruction of the evolutionary history of parasitism and mitochondria in the anaerobic Metamonada
Ivar Noordstra	Dutch	Utrecht University, Netherlands	Alpha Yap	University of Queensland St Lucia, Australia	Bridging scales: The role of cadherin nano-clusters at cell-cell junctions
Carine Stapel	Dutch	MPI für molekulare Zellbiologie und Genetik Dresden, Germany	Wolf Reik	Babraham Institute Cambridge, United Kingdom	A single-cell multi-omics approach to identify novel drivers of mammalian germ layer specification
Matthijs Bernard Verhoog	Dutch	VU University Amsterdam, Netherlands	Joseph Raimondo	University Cape Town, South Africa	Studying inhibitory microcircuit maturation in the developing human epileptic brain
Marit Vermunt	Dutch	Hubrecht Institute Utrecht, Netherlands	Gerd Blobel	Children's Hospital Philadelphia, United States	Capturing the dynamics of enhancer-promoter interactions
Charlotte Avanzi	French	Swiss Federal Institute of Technology Lausanne, Switzerland	Mary Jackson	Colorado State University Fort Collins, United States	Characterization of new drug resistance and host adaptation mechanisms for Mycobacterium leprae
Aude Bernheim	French	Institut Pasteur Paris, France	Rotem Sorek	Weizmann Institute of Science Rehovot, Israel	Understanding how phages counteract the bacterial immune system
Malik Chaker-Margot	French	Rockefeller University New York, United States	Timm Maier	University of Basel, Switzerland	Structural and functional characterization of P-Rex 1/2 in cell signaling and cancer
Clémence Claussin	French	European Research Institute for the Biology of Ageing Groningen, Netherlands	Iestyn Whitehouse	Memorial Sloan-Kettering Cancer Center New York, United States	Novel approaches to map DNA replication dynamics genome-wide

EMBO Long-Term Fellowships awarded in 2018 | EMBC Member States' nationals

Name	Nationality	Home institute	Group leader	Host institute	Project
Samuel Collombet	French	Institut Curie Paris, France	Edith Heard	EMBL Heidelberg, Germany	Linking chromosome architecture to gene expression dynamics: X inactivation in single cells
Florent Delhommel	French	Institut Pasteur Paris, France	Michael Sattler	Helmholtz Zentrum München Neuherberg, Germany	Study of Hsp90 cycle and the involvement of cochaperones in its client folding activity
Guillaume Dubeaux	French	Institut de Biologie Intégrative de la Cellule Gif-sur-Yvette, France	Julian I. Schroeder	University of California San Diego La Jolla, United States	Molecular mechanisms of stomatal CO2 signal transduction in plants
Laura Faure	French	CNRS Marseille, France	Pere Roca-Cusachs	Institut de Bioenginyeria de Catalunya (IBEC) Barcelona, Spain	Detection and integration of mechanical signals from cell-cell and cell-matrix adhesions in 3D environments
Kevin Fidelin	French	Columbia University New York, United States	Silvia Arber	Friedrich Miescher Institute Basel, Switzerland	Defining the functional organization of the mammalian red nucleus
Julien Gronnier	French	Laboratory of Membrane Biogenesis CNRS-UMR Villenave d'Ornon, France	Cyril Zipfel	University of Zurich, Switzerland	Deciphering the role of nanoscale organization and dynamics of cell surface receptors in plant immunity
Amandine Guérin	French	Université II Montpellier, France	Boris Striepen	University of Pennsylvania Philadelphia, United States	Cryptosporidium invasion and host cell manipulation
Paul Imbert	French	Institut de Chimie et Biologie des Protéines (IBCP) Lyon, France	Sergio Grinstein	Hospital for Sick Children Toronto, Canada	The role of the macrophage glycocalyx in phagocytosis and macropinocytosis
Jonathan Jagodnik	French	Institut de Biologie Physico-Chimique Paris, France	Richard Gourse	University of Wisconsin Madison, United States	sRNA targets of ppGpp: A missing step in the stringent response regulatory network
Julie Jezequel	French	Université de Bordeaux Bordeaux, France	Beatriz Rico	MRC Centre for Developmental Neurobiology London, United Kingdom	Unravelling the molecular codes of specific interneuron-pyramidal cell connectivity in the cerebral cortex
Thomas Juan	French	Institut de Biologie Valrose Nice, France	Didier Stainier	Max-Planck-Institut für Herz- und Lungenforschung Bad Nauheim, Germany	Blood flow regulation of cardiac valve development
Envel Kerdaffrec	French	Gregor Mendel Institute of Molecular Plant Biology Vienna, Austria	Thomas Flatt	Université Fribourg, Switzerland	The genetic basis of adaptive clines in Drosophila melanogaster
Yacine Kherdjemil	French	Institut de recherches cliniques de Montréal (IRCM) Montreal, Canada	Eileen Furlong	EMBL Heidelberg, Germany	Dissecting the relationship between transcription and chromatin organization using dynamic depletion of RNA Polymerase II
Jérémie Le Pen	French	University of Cambridge, United Kingdom	Charles Rice	Rockefeller University New York, United States	Function of human RNA-binding proteins during yellow fever virus infection

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Name	Nationality	Home institute	Group leader	Host institute	Project
Noella Lopes	French	Centre d'Immunologie Marseille, France	Bruno Silva-Santos	Instituto de Medicina Molecular Lisbon, Portugal	Cellular and molecular regulators of the pleiotropic activities of gamma delta T cells in the tumor microenvironment
Claire Morandin	French	University of Helsinki, Finland	Laurent Keller	University Lausanne, Switzerland	Network theory to Biology: Linking gene networks to phenotypic development in honey bee
Enzo Poirier	French	Institut Pasteur Paris, France	Caetano Reis e Sousa	Francis Crick Institute London, United Kingdom	Deciphering the mechanisms of antiviral RNA interference in mammals
Tracey Tenreira	French	National Institute for Agricultural Research Villenave d'Ornon, France	Cris Kuhlemeier	University Bern, Switzerland	Deciphering the Supergene involved in the pollinator-mediated speciation of Petunia genus
Maxence Vincent	French	Laboratoire d'Ingénierie des Systèmes Macromoléculaires (LISM) Marseille, France	Stephan Uphoff	University of Oxford, United Kingdom	Deciphering the regulation of mutagenesis by DNA damage and antibiotic stress responses in single cells
Lea Wilhelm	French	Institute of Genetics and Molecular and Cellular Biology (IGBMC) Illkirch, France	Ian Ganley	University of Dundee, United Kingdom	Determining the consequences of protein aggregation on mitochondrial function and mitophagy
Julian Dindas	German	University Würzburg, Germany	Cyril Zipfel	University of Zurich, Switzerland	Balancing immunity and phosphate homeostasis: analysis of a BIK1-regulated phosphate transporter in Arabidopsis thaliana
Nicola Diny	German	Johns Hopkins University Baltimore, United States	Brigitta Stockinger	MRC National Institute for Medical Research (NIMR) London, United Kingdom	Aryl hydrocarbon receptor function in intestinal eosinophils
Ionut Gabriel Dumitru	German	Deutsches Krebsforschungszentrum (DKFZ) Heidelberg, Germany	Jonas Frisén	Karolinska Institutet Stockholm, Sweden	Stroke-induced striatal neurogenesis in mice and humans
Evgenij Fiskin	German	Goethe University Frankfurt, Germany	Aviv Regev	Broad Institute of MIT and Harvard Cambridge, United States	Analysis of gastric cell types and differentiation trajectories using massively parallel single cell RNA sequencing
Lisa Fromm	German	Universität Heidelberg, Germany	Davide Ruggero	University of California San Francisco, United States	Elucidating the impact of heterogeneous ribosome modifications on differential translation of mRNAs
Simon Fromm	German	EMBL Heidelberg, Germany	James H Hurley	University of California Berkeley, United States	Molecular mechanism of mTORC1 regulation by the tumor suppressor FLCN-FNIP
Moritz Gaidt	German	Ludwig-Maximilians-Universität München, Germany	Russell Vance	University of California Berkeley, United States	Effector-triggered activation of the mammalian innate immune system

EMBO Long-Term Fellowships awarded in 2018 | EMBC Member States' nationals

Name	Nationality	Home institute	Group leader	Host institute	Project
Barbara Grunwald	German	Technische Universität München, Germany	Rama Khokha	University of Toronto, Canada	Critical determinants of stromal contribution to pancreatic cancer progression
Quirin Hammer	German	Deutsches Rheuma-Forschungszentrum (DRFZ) Berlin, Germany	Karl-Johan Malmberg	Karolinska Institutet Stockholm, Sweden	SYNKIT – Synthetic natural killer cells for immunotherapy
Dominik A. Herbst	German	University of Basel, Switzerland	Eva Nogales	University of California Berkeley, United States	The molecular mechanism of gene specific transcriptional activation
Andreas Kautt	German	Universität Konstanz, Germany	Hopi Hoekstra	Harvard University Cambridge, United States	The genetic basis of predator aversion behavior in <i>Peromyscus</i> mice in the Channel Island Archipelago
Felix Keber	German	Technical University of Munich Garching, Germany	Clifford Brangwynne	Princeton University, United States	Proteome-wide analysis of the intracellular dew point
Sarah-Lena Offenburger	German	University of Dundee, United Kingdom	Ben Lehner	Centro de Regulación Genómica (CRG) Barcelona, Spain	Transgenerational maintenance of heterochromatin during replication in <i>C. elegans</i>
Franziska Paul	German	Weizmann Institute of Science Rehovot, Israel	Bruno Reversade	Institute of Medical Biology (IMB) Singapore, Singapore	Human embryonic pluripotency: Characterization of a candidate gene linked to monozygotic twinning
Gustavo Quintas Glasner De Medeiros	German	EMBL Heidelberg, Germany	Prisca Liberali	Friedrich Miescher Institute Basel, Switzerland	Mechanisms driving symmetry-breaking in intestinal organoids
Thomas Riffelmacher	German	University of Oxford, United Kingdom	Mitchell Kronenberg	La Jolla Institute for Allergy & Immunology La Jolla, United States	Metabolic characterization of natural killer T cell responses to sterile, hypoxic injury
Tim Rollenske	German	Deutsches Krebsforschungszentrum (DKFZ) Heidelberg, Germany	Andrew MacPherson	University Bern, Switzerland	IgA repertoire and function in establishment of host microbial mutualism
Laura Schaedel	German	Institut de Biosciences et Biotechnologies Grenoble, France	Sarah Köster	Universität Göttingen, Germany	Influence of intermediate filaments on microtubule dynamics and organisation
Simon Schäper	German	Philipps-Universität Marburg, Germany	Mariana Pinho	Instituto de Tecnologia Química e Biologia Oeiras, Portugal	Role of Z-ring dynamics in driving the staphylococcal cell cycle
Simon Schwörer	German	Leibniz-Institut fuer Altersforschung Jena, Germany	Craig Thompson	Memorial Sloan-Kettering Cancer Center New York, United States	Deciphering metabolic rewiring of cysteine metabolism for redox control in cancer cells
Johannes Thoma	German	ETH Zürich Basel, Switzerland	Björn Burmann	University Gothenburg, Sweden	Protein-enriched outer membrane vesicles as native tools for structural biology

EMBO Long-Term Fellowships awarded in 2018 | EMBC Member States' nationals

Name	Nationality	Home institute	Group leader	Host institute	Project
Sven Truckenbrodt	German	Universität Göttingen, Germany	Johann Danzl	Institute of Science and Technology Austria (IST) Klosterneuburg, Austria	UltraX – achieving sub-nanometer resolution in light microscopy using iterative X10 microscopy in combination with nanobodies and STED
Thomas Wilhelm	German	Institute of Molecular Biology (IMB) Mainz, Germany	Ben Lehner	Centro de Regulación Genómica (CRG) Barcelona, Spain	Transgenerational inheritance of environmentally acquired epigenetic memory
Zivkos Apostolou	Greek	IMBB - FORTH Heraklion, Greece	Peter B. Becker	Ludwig-Maximilians-Universität (LMU) Martinsried, Germany	Domino nucleosome remodeling complexes and histone dynamics after DNA damage
Leonidas Emmanouilidis	Greek	Technical University of Munich Garching, Germany	Frédéric Allain	ETH Zurich, Switzerland	Structural and biophysical characterization of FUS protein liquid droplets in vitro and in vivo
Nikolaos Karalis	Greek	Ludwig-Maximilians-Universität (LMU) Martinsried, Germany	Andreas Lüthi	Friedrich Miescher Institute Basel, Switzerland	Unravelling the logic of neuromodulation in associative learning
Stefanos Stagkourakis	Greek	Karolinska Institutet Stockholm, Sweden	David Anderson	California Institute of Technology Pasadena, United States	Competitive interactions among brain states underlying innate behaviours
Adam Volanakis	Greek	University of Oxford, United Kingdom	Stephen Buratowski	Harvard Medical School Boston, United States	Single molecule studies of the role of PAF complex in transcription
Daniel Dar	Israeli	Weizmann Institute of Science Rehovot, Israel	Dianne Newman	California Institute of Technology Pasadena, United States	Elucidating the effects of phenazines on the composition and biogeography of the soil microbiome
Dan Davidi	Israeli	Weizmann Institute of Science Rehovot, Israel	L. Stirling Churchman	Harvard Medical School Boston, United States	Saturating mutagenesis of the mitochondrial genome in search for critical cis-regulatory elements
Yonathan Goldtzyk	Israeli	University of Texas Austin, United States	M. Madan Babu	MRC Laboratory of Molecular Biology Cambridge, United Kingdom	Heterogeneity in ribosomal composition as a regulatory mechanism
Dvir Gur	Israeli	Weizmann Institute of Science Rehovot, Israel	Jennifer Lippincott-Schwartz	HHMI Janelia Research Campus Ashburn, United States	Using insights from uric acid biomineralization to pave the way for new therapeutic approaches for kidney stones and gout diseases
Binyamin Knisbacher	Israeli	Bar-Ilan University Ramat Gan, Israel	Gad Getz	Broad Institute of MIT and Harvard Cambridge, United States	Discovery and immunotherapeutic targeting of neoantigens arising from the cancer transcriptome
Noa Liscovitch-Brauer	Israeli	Tel Aviv University, Israel	Neville Sanjana	New York University, United States	Genome-wide search for essential noncoding elements using Cpf1 tiling deletion screen coupled with single cell RNA sequencing

EMBO Long-Term Fellowships awarded in 2018 | EMBC Member States' nationals

Name	Nationality	Home institute	Group leader	Host institute	Project
Michal Polonsky	Israeli	Weizmann Institute of Science Rehovot, Israel	Long Cai	California Institute of Technology Pasadena, United States	Tumors within context – understanding early breast cancer progression using spatial genomics
Ido Sagi	Israeli	The Hebrew University Jerusalem, Israel	Richard Young	Whitehead Institute Cambridge, United States	Regulatory principles of chromosome neighborhood formation and function in mammalian development
Itai Schlesinger	Israeli	Technion Haifa, Israel	Elad Harel	Northwestern University Evanston, United States	Following photosynthetic energy transfer processes with high spatio-temporal resolution
Dagan Segal	Israeli	Weizmann Institute of Science Rehovot, Israel	Gaudenz Danuser	University of Texas Southwestern Medical Center Dallas, United States	The effect of microenvironmental cues on cellular morphology and metastatic cell fate
Uri Weissbein	Israeli	The Hebrew University Jerusalem, Israel	Jeannie Lee	Massachusetts General Hospital Boston, United States	Regulation of the stress response by B2 retrotransposon and EZH2
Laura Cantini	Italian	Institut Curie Paris, France	Manolis Kellis	Massachusetts Institute of Technology (MIT) Cambridge (MA), United States	Epigenetics and immunotherapy: Toward new therapeutic perspectives in cancer
Giovanna Capovilla	Italian	MPI für Entwicklungsbiologie Tübingen, Germany	Sallie W. Chisholm	Massachusetts Institute of Technology (MIT) Cambridge (MA), United States	Lysogenic potential in <i>Prochlorococcus</i> : Understanding the phage life cycle and putting it to use for genetic manipulation of host cells
Manuel Carminati	Italian	European Institute of Oncology (IEO) Milano, Italy	Lori A. Passmore	MRC Laboratory of Molecular Biology Cambridge, United Kingdom	Structural basis of APT phosphatase activity in gene expression
Alessandro Cecconello	Italian	The Hebrew University Jerusalem, Israel	Friedrich Simmel	Technical University of Munich Garching, Germany	Co-transcriptional production of functional nucleic acid nanostructures
Bruno Cossermelli Vellutini	Italian	University Bergen, Norway	Pavel Tomancak	MPI für molekulare Zellbiologie und Genetik Dresden, Germany	Uncovering the genetic control of cephalic furrow morphogenesis in <i>Drosophila</i>
Marco De Giovanni	Italian	San Raffaele Institute (HSR/TIGET) Milano, Italy	Jason Cyster	University of California San Francisco, United States	Organization of the lymph node dendritic cell network for induction of immunity
Giulia Escobar	Italian	San Raffaele Institute Milano, Italy	Ana Carrizosa Anderson	Brigham and Women's Hospital Boston, United States	Investigating TCF1-mediated regulation of PD1-Tim3- tumor-infiltrating CD8+ T lymphocytes and their role in immunotherapy
Emilia Favuzzi	Italian	King's College London, United Kingdom	Gord Fishell	Broad Institute of MIT and Harvard Cambridge, United States	The role of microglia in the development and refinement of GABAergic interneuron circuits

EMBO Long-Term Fellowships awarded in 2018 | EMBC Member States' nationals

Name	Nationality	Home institute	Group leader	Host institute	Project
Gianluca Figlia	Italian	ETH Zurich, Switzerland	Aurelio Teleman	Deutsches Krebsforschungszentrum (DKFZ) Heidelberg, Germany	A novel regulator of mTORC1 in response to nutrient signaling
Giulia Furlan	Italian	Université Diderot (Paris 7) Paris, France	Eric Miska	University of Cambridge, United Kingdom	Deciphering the molecular coupling between small RNA pathways, chromatin architecture and germline immortality in <i>C. elegans</i>
Vito Genna	Italian	Italian Institute of Technology Genova, Italy	Modesto Orozco	Universitat de Barcelona Barcelona, Spain	De-novo design of a XNAzyme to selectively hydrolyze MALAT-1 long non-coding RNA in cancer cells
Matteo Gentili	Italian	Institut Curie Paris, France	Nir Hacohen	Massachusetts General Hospital (MGH) Charlestown, United States	Elucidating the molecular basis of trained immunity and emergency hematopoiesis
Maria Cristina Lo Giudice	Italian	University College Dublin, Ireland	David Alsteens	Université Catholique Louvain, Belgium	Probing the biophysical interplay between silica nanoparticles and innate immune response
Eleonora Melzi	Italian	University of Glasgow, United Kingdom	Facundo Batista	Ragon Institute of MGH MIT and Harvard, United States	Untangling the dynamics of HIV and germinal centre response during the early phases of infection
Sara Nencini	Italian	University of Melbourne, Australia	Jan Siemens	Universität Heidelberg, Germany	Evaluation of the functional involvement of specific subsets of poa neurons in regulating temperature-dependent metabolic adaptations
Niccolò Paolo Pampaloni	Italian	International School for Advanced Studies Trieste, Italy	Andrew Plested	Leibniz-Institut für Molekulare Pharmakologie (FMP) Berlin, Germany	The molecular and cellular basis of slow AMPA receptor signalling in neurons
Lorenzo Rinaldi	Italian	Institute for Research in Biomedicine Barcelona, Spain	Gordon L. Hager	NIH Bethesda, United States	Steroid hormones dynamics in the 3D nuclear space
Fiamma Salerno	Italian	University Amsterdam, Netherlands	Martin Turner	Babraham Institute Cambridge, United Kingdom	The RNA-binding protein ZFP36L1 regulates the terminal differentiation of B lymphocytes
Giulia Saredi	Italian	University Copenhagen, Denmark	John Rouse	University of Dundee, United Kingdom	DNA interstrand cross-link repair and chromatin remodelling
Giulia Schirolli	Italian	San Raffaele Institute Milano, Italy	David Scadden	Harvard Medical School Boston, United States	Dissecting the cell-specific determinants of pre-leukemic clonal hematopoiesis
Stefania Tavano	Italian	MPI für molekulare Zellbiologie und Genetik Dresden, Germany	Carl-Philipp Heisenberg	Institute of Science and Technology Austria (IST) Klosterneuburg, Austria	Mechanosensation in cell migration: The role of friction forces in cell polarization and directed migration

EMBO Long-Term Fellowships awarded in 2018 | EMBC Member States' nationals

Name	Nationality	Home institute	Group leader	Host institute	Project
Dukas Jurenas	Lithuanian	Université Libre de Bruxelles Gosselies, Belgium	Eric Cascales	Laboratoire d'Ingénierie des Systèmes Macromoléculaires (LISM) Marseille, France	Study of novel toxins secreted by type VI secretion system
Migle Kazlauskiene	Lithuanian	Vilnius University, Lithuania	Martin Jinek	University of Zurich, Switzerland	Mechanistic and structural studies of the RNA m6A writer machinery
Gantas Perez-Mockus	Lithuanian	Institut Pasteur Paris, France	Jean-Paul Vincent	Francis Crick Institute London, United Kingdom	Regulation of growth termination in Drosophila wing imaginal discs
Magdalena Sznurkowska	Polish	University of Cambridge, United Kingdom	Cédric Blanpain	Université Libre de Bruxelles Brussels, Belgium	Studying the molecular and cellular mechanism of metastasis
Jakub Wiktor	Polish	University of Technology Delft, Netherlands	Johan Elf	Uppsala University, Sweden	Genetic landscape of the homology search
Tiago Baptista	Portuguese	Institute of Genetics and Molecular and Cellular Biology (IGBMC) Illkirch, France	Catarina Homem	Universidade NOVA de Lisboa Lisbon, Portugal	The role of the Mediator complex in metabolism and fate regulation of neural stem cells in Drosophila melanogaster
Fabio Da Silva	Portuguese	Institut de Biologie Valrose Nice, France	Christof Niehrs	Deutsches Krebsforschungszentrum (DKFZ) Heidelberg, Germany	The role of mitotic Wnt signaling in heart development and regeneration
Joana Silva	Portuguese	Institute for Research in Biomedicine Barcelona, Spain	William Faller	Netherlands Cancer Institute Amsterdam, Netherlands	Understanding translational regulation in intestinal stem cells and colon cancer
Sofia Soares	Portuguese	Champalimaud Centre for the Unknown Lisbon, Portugal	Christopher Harvey	Harvard Medical School Boston, United States	Neocortical dynamics underlying distinct learning types for navigation
Jose Aguilar-Rodriguez	Spanish	University of Zurich, Switzerland	Dmitri Petrov	Stanford University, United States	Mapping the fitness landscape of signaling pathways that control cell proliferation in yeast
Pablo Alcon	Spanish	University Copenhagen, Denmark	Lori A. Passmore	MRC Laboratory of Molecular Biology Cambridge, United Kingdom	Deciphering the molecular basis of DNA inter-strand crosslink repair by the Fanconi anemia pathway
Patricia Alvarez-Campos	Spanish	Autonomous University of Madrid Madrid, Spain	Michel Vervoort	Institut Jacques Monod Paris, France	Evolution of reproduction and regeneration in annelids: An omics approach
Clea Barcena	Spanish	University Oviedo, Spain	George Vassiliou	Sanger Institute Cambridge, United Kingdom	Identification of factors involved in the expansion of age-related clonal hematopoiesis driven by mutations in Dnmt3a

EMBO Long-Term Fellowships awarded in 2018 | EMBC Member States' nationals

Name	Nationality	Home institute	Group leader	Host institute	Project
Leire Bejarano	Spanish	Centro Nacional de Investigaciones Oncológicas (CNIO) Madrid, Spain	Johanna Joyce	University Lausanne, Switzerland	Exploring the role of the tumor vasculature in brain metastasis
Guillermo Burgos Barragan	Spanish	MRC Laboratory of Molecular Biology Cambridge, United Kingdom	Lewis C. Cantley	Weill Cornell Medical College New York, United States	Dissecting the role of metabolism in cancer genomic instability
Isidoro Cobo	Spanish	Centro Nacional de Investigaciones Oncológicas (CNIO) Madrid, Spain	Christopher K. Glass	University of California San Diego, United States	Molecular mechanisms linking clonal haematopoiesis and cardiovascular disease
Maria Cuenca Cambroneró	Spanish	University of Birmingham, United Kingdom	Blake Matthews	Eawag Kastanienbaum, Switzerland	Eco-evolutionary feedback of zooplankton communities after eutrophication period on Lake Victoria
Marta Forés Maresma	Spanish	Instituto de Biología Molecular de Barcelona (IBMB) Barcelona, Spain	Pascal Meier	Institute of Cancer Research London, United Kingdom	Winners versus losers: Regulation of tissue homeostasis via cell competition
Miguel Jiménez Alcázar	Spanish	Universitätsklinikum Hamburg-Eppendorf Hamburg, Germany	Massimo Squatrito	Centro Nacional de Investigaciones Oncológicas (CNIO) Madrid, Spain	Dissecting immunotherapy response modulators in glioblastoma
David Lara	Spanish	Center for Applied Medical Research Pamplona, Spain	Christoph Bock	CeMM Vienna, Austria	Development of a scalable epigenome editing technology to study the intrinsic regulatory properties of epigenetic marks
Mario Martin Fernandez	Spanish	University of Minnesota Minneapolis, United States	Cyril Herry	Université de Bordeaux Bordeaux, France	Deciphering the coding of active and passive fear in the dorsomedial prefrontal cortex
Hernando Martinez Vergara	Spanish	EMBL Heidelberg, Germany	Thomas Mrcic-Flogel	Sainsbury Wellcome Centre for Neural Circuits and Behaviour London, United Kingdom	Dissociation of cell class-specific roles of cortico-striatal circuits during learning and behaviour
Miguel Muñoz Ruiz	Spanish	Universidad Complutense de Madrid (UCM) Madrid, Spain	Adrian Hayday	King's College London, United Kingdom	gammadelta T cell Interactions within the Tissue Ecosystem Network
Vicente Jose Planelles-Herrero	Spanish	Institut Curie Paris, France	Emmanuel Derivery	MRC Laboratory of Molecular Biology Cambridge, United Kingdom	Molecular mechanism of asymmetric segregation of cell fate determinants by the Elongator complex
Samuel Pontes	Spanish	Centro Nacional de Investigaciones Cardiovasculares (CNIC) Madrid, Spain	Rafael Yuste	Columbia University New York, United States	Behavioral function of pattern completion in the cortex

EMBO Long-Term Fellowships awarded in 2018 | EMBC Member States' nationals

Name	Nationality	Home institute	Group leader	Host institute	Project
Sara Priego Moreno	Spanish	University of Birmingham, United Kingdom	Jan Karlseder	Salk Institute for Biological Studies La Jolla, United States	Investigating the roles of dormant telomeric origins in response to replication stress
Hector Sanchez-Iranzo	Spanish	Centro Nacional de Investigaciones Cardiovasculares (CNIC) Madrid, Spain	Alba Diz-Muñoz	EMBL Heidelberg, Germany	Deciphering the role of tissue mechanics for zebrafish tail regeneration
Marina Uroz Marimon	Spanish	Institut de Bioenginyeria de Catalunya (IBEC) Barcelona, Spain	Christopher Chen	University of Pennsylvania Philadelphia, United States	Cell-cell adhesion regulation in sprouting angiogenesis
Teresa Zulueta-Coarasa	Spanish	University of Toronto, Canada	J Rosenblatt	King's College London, United Kingdom	Regulatory mechanisms controlling a new mechanical epithelial to mesenchymal transition in zebrafish
Amanda Andersson Rolf	Swedish	University of Cambridge, United Kingdom	Hans C. Clevers	Hubrecht Institute Utrecht, Netherlands	Identifying genetic alterations and mechanisms underlying metastases formation
Erik McShane	Swedish	Max-Delbrück-Centrum Berlin, Germany	L. Stirling Churchman	Harvard Medical School Boston, United States	The impact of RNA degradation on mitochondrial gene expression
Annika Nichols	Swedish	University Vienna, Austria	Alexander F. Schier	Harvard University Cambridge, United States	The neuronal and genetic regulation of sleep and arousal in zebrafish
Valentin Flury	Swiss	Friedrich Miescher Institute Basel, Switzerland	Anja Groth	Biotech Research and Innovation Centre (BRIC) Copenhagen, Denmark	How are functional genomic features propagated – is there a memory of the active state?
Adrian Nievergelt	Swiss	Swiss Federal Institute of Technology Lausanne, Switzerland	Gaia Pigino	MPI für molekulare Zellbiologie und Genetik Dresden, Germany	Structure and dynamics of intraflagellar transport systems
Basile Wicky	Swiss	University of Cambridge, United Kingdom	David Baker	University of Washington Seattle, United States	Computing logic in live cells with de novo designed protein assemblies

EMBO Long-Term Fellowships awarded in 2018 | EMBC Associate Member States' nationals/EMBC Co-operation Partner States' nationals

Name	Nationality	Home institute	Group leader	Host institute	Project
Ignacio Fernández-Moncada	Chilean	Centro de Estudios Científicos Valdivia, Chile	Giovanni Marsicano	University of Bordeaux Bordeaux, France	Astroglial CB1 receptor: From bioenergetics to behavior
Roopesh Anand	Indian	Institute for Research in Biomedicine Bellinzona, Switzerland	Simon Boulton	Francis Crick Institute London, United Kingdom	Characterizing the functions of human RAD51 paralogs and HELQ in replication and ICL repair
Srishti Dar	Indian	Tata Institute of Fundamental Research Mumbai, India	Maria Leptin	EMBL Heidelberg, Germany	Synthetic reconstitution for in vivo assessment of membrane-anchored contractile actin networks in Drosophila gastrulation
Joiselle Fernandes	Indian	Institut Jean-Pierre Bourgin Versailles, France	Ian Henderson	University of Cambridge, United Kingdom	Genetic and epigenetic control of genome stability in Arabidopsis
Swarupa Panda	Indian	Umeå University, Sweden	Tor Erik Rusten	University Hospital Oslo, Norway	Mechanisms of non-autonomous support of tumor cell growth
Abhijeet Pataskar	Indian	Institute of Molecular Biology (IMB) Mainz, Germany	Reuven Agami	Netherlands Cancer Institute Amsterdam, Netherlands	Functional genetic screening of regulatory DNA elements
Jaydeep Sidhaye	Indian	MPI für molekulare Zellbiologie und Genetik Dresden, Germany	Jürgen Knoblich	IMBA Vienna, Austria	Investigating impact of schizophrenia-associated non-coding variants on enhancer activity using brain organoids
Imtiyaz Yaseen	Indian	Centre for DNA Fingerprinting and Diagnostics Hyderabad, India	Robin C. Allshire	Wellcome Trust Centre Edinburgh, United Kingdom	Adaptation to external insults: Interplay between stress sensing pathways and heterochromatin stability
Chih-Yi Gabriela Lin	Taiwanese	Academia Sinica Taipei, Taiwan	Joachim Lingner	Swiss Federal Institute of Technology Lausanne, Switzerland	Functional characterization of the telomeric proteome during telomere replication

EMBO Long-Term Fellowships awarded in 2018 | Non-EMBC Member States' nationals

Name	Nationality	Home institute	Group leader	Host institute	Project
Abdelghani Mazouzi	Algerian	CeMM Vienna, Austria	Thijn R. Brummelkamp	Netherlands Institute for Neuroscience Amsterdam, Netherlands	Characterization of novel factors involved in the replication stress response
Maria Micaela Lopez Alarcon	Argentinean	Federal University of Rio de Janeiro, Brazil	Bénédicte Manoury	Université Paris Descartes Paris, France	The role of UNC93B1, a protein chaperone for intracellular Toll-like receptors and the calcium sensor STIM1, in endoplasmic reticulum stress
Pamela Anahí Ribone	Argentinean	Instituto de Agrobiotecnología del Litoral Santa Fe, Argentina	Philip Wigge	University of Cambridge, United Kingdom	RNA thermosensors in plants: Design and role in adaptation
Simone Li	Australian	EMBL Heidelberg, Germany	Morten Sommer	Technical University of Denmark Lyngby, Denmark	HGT in the GUT: Comprehensively characterising the spread of antibiotic resistance genes in the human microbiome
Marta Kovatcheva	Bulgarian	Memorial Sloan-Kettering Cancer Center New York, United States	Manuel Serrano	Institute for Research in Biomedicine Barcelona, Spain	Exploiting senescence for therapeutic gain: A molecular understanding of senescence, reprogramming, and novel senolytic targets
Jacob Aguirre	Canadian	University of Western Ontario London, Canada	Nicolas Thomä	Friedrich Miescher Institute Basel, Switzerland	Termination of eukaryotic DNA replication by cullin-RING ubiquitin ligases
Stephen Cornick	Canadian	University of Calgary, Canada	Gérard Eberl	Institut Pasteur Paris, France	Regulation of MAMP physiology by innate immunity
George DiCenzo	Canadian	University of Florence Sesto Fiorentino, Italy	Csaba Pál	Biological Research Centre Szeged, Hungary	The 'resistance modulator' hypothesis: Host-encoded modulator genes shape phylogenetic barriers to the spread of antimicrobial resistance
Michael Fatt	Canadian	University of Toronto, Canada	Patrik Ernfors	Karolinska Institutet Stockholm, Sweden	The Role of the Rostral Ventromedial Medulla (RVM) in regulating pain perception
Anne Marie Labandera Nadeau	Canadian	University of Calgary, Canada	Daniel Gibbs	University of Birmingham, United Kingdom	Investigating the protein interactome and methylation targets of the oxygen-sensing plant Su(z)12 homologue VRN2
Ankit Sinha	Canadian	University of Toronto, Canada	Felix Meissner	MPI für Biochemie Martinsried, Germany	Identifying contribution of mutational landscape to cancer-immune cell crosstalk in the tumour microenvironment
Saifeng Cheng	Chinese	Huanzhong Agricultural University Wuhan, China	Yonatan Stelzer	The Hebrew University Jerusalem, Israel	DNA methylation dynamics during mouse germline development
Hongbo Guo	Chinese	Utrecht University, Netherlands	Ralf Bartenschlager	Universität Heidelberg, Germany	Interrogating the unprecedented proviral function of toll-like receptor 2 for dengue virus replication

EMBO Long-Term Fellowships awarded in 2018 | Non-EMBC Member States' nationals

Name	Nationality	Home institute	Group leader	Host institute	Project
Shuheng Lin	Chinese	Cancer Research Center of Lyon (CRCL) Lyon, France	Cédric Blanpain	Université Libre de Bruxelles Brussels, Belgium	Reactivation of multipotent cell fate of mammary gland stem cell
Yan Ma	Chinese	The Sainsbury Laboratory Norwich, United Kingdom	Niko Geldner	University Lausanne, Switzerland	'Filling the gaps' in the Schengen signalling pathway
Chao Sun	Chinese	Cornell University Ithaca, United States	Erin M. Schuman	MPI für Hirnforschung Frankfurt, Germany	Understanding synaptic diversity using quantitative single-molecule localization microscopy
Shuang-Yin Wang	Chinese	Centre for Molecular Life Sciences Nijmegen, Netherlands	Ido Amit	Weizmann Institute of Science Rehovot, Israel	Single cell analysis of the tumor-immune ecosystem in human cancer: Dissecting the dynamics of immune-tumor cross talk following checkpoint blockade
Peng Xu	Chinese	Tsinghua University Beijing, China	Wolfgang P. Baumeister	MPI für Biochemie Martinsried, Germany	An in situ cryo electron tomography study of chromatin structure and relationship with nuclear envelope
Hanting Yang	Chinese	Chinese Academy of Sciences Beijing, China	Venki Ramakrishnan	MRC Laboratory of Molecular Biology Cambridge, United Kingdom	Structural basis for co-translational import of mitochondrial proteins
Suyang Zhang	Chinese	MRC Laboratory of Molecular Biology Cambridge, United Kingdom	Patrick Cramer	MPI für biophysikalische Chemie Göttingen, Germany	Structural and functional analysis of human co-transcriptional pre-mRNA splicing complexes
Yilong Zhou	Chinese	Tongji University Shanghai, China	Asifa Akhtar	MPI für Immunbiologie und Epigenetik Freiburg, Germany	Understanding the molecular mechanism of DHX9-ADAR1 interaction in dsRNA response
Stephen Methot	Cypriot	McGill University Montreal, Canada	Susan M. Gasser	Friedrich Miescher Institute Basel, Switzerland	Linking replication stress and aberrant transcription to the instability of repetitive elements
Marija Iljina	Latvian	University of Cambridge, United Kingdom	Gilad Haran	Weizmann Institute of Science Rehovot, Israel	Correlated dynamics of a disaggregation machine by single-molecule spectroscopy
Hernan Morales	Mexican	Göteborg University, Sweden	Tom Gilbert	University Copenhagen, Denmark	Direct estimation of genomic diversity change over time using historical and modern samples of endangered species
Adekunle Bademosi	Nigerian	The University of Queensland Brisbane, Australia	Patrik Verstreken	Katholieke Universiteit Leuven, Belgium	Synaptic autophagy: A major mechanism implicated in Parkinson's disease etiology
Funso Ogunmolu	Nigerian	International Centre for Genetic Engineering New Delhi, India	Anna Akhmanova	Utrecht University, Netherlands	In-vitro reconstitution of dynamic microtubule remodelling at the distal tips of centrioles during ciliogenesis

EMBO Long-Term Fellowships awarded in 2018 | Non-EMBC Member States' nationals

Name	Nationality	Home institute	Group leader	Host institute	Project
Ana Stankovic	Serbian	Instituto Gulbenkian de Ciência Oeiras, Portugal	Sebastian Jessberger	University of Zurich, Switzerland	Principles of reprogramming-induced cellular rejuvenation
Steven Briscoe	US-American	University of Chicago, United States	Wieland B. Huttner	MPI für molekulare Zellbiologie und Genetik Dresden, Germany	The neuroepithelial cell to radial glial cell transition and human neocortex expansion
Michael Buck	US-American	MPI für Immunbiologie und Epigenetik Freiburg, Germany	Caetano Reis e Sousa	Francis Crick Institute London, United Kingdom	Metabolic regulation of cDC development and function
Jared Cregg	US-American	Case Western Reserve University Cleveland, United States	Ole Kiehn	University Copenhagen, Denmark	Basal ganglia engagement of hindbrain and spinal networks that halt locomotion
Kimberley Laband	US-American	Institut Jacques Monod Paris, France	Geert Kops	Hubrecht Institute Utrecht, Netherlands	Developing a complex: SAC signaling dynamics from the human kinetochore
John O'Donnell	US-American	Cornell University Ithaca, United States	Ramanujan S. Hegde	MRC Laboratory of Molecular Biology Cambridge, United Kingdom	Mechanism of transmembrane domain insertion by the ER membrane protein complex
Amanda Pocratsky	US-American	University Louisville, United States	Robert Brownstone	University College London, United Kingdom	The contribution of spinal circuit dysfunction to movement disorganisation in dystonia
Anna Schroeder	US-American	Katholieke Universiteit Leuven, Belgium	Johannes Letzkus	MPI für Hirnforschung Frankfurt, Germany	Zona incerta afferents to auditory cortex layer 1: Connectivity, computational role and memory function
Kimberly Siletti	US-American	Rockefeller University New York, United States	Sten Linnarsson	Karolinska Institutet Stockholm, Sweden	A molecular comparison of development and regeneration in the zebrafish spinal cord
Tan Hop Huynh	Vietnamese	Gyeongsang National University Jinju, Republic of Korea	Pieters Jean	University of Basel, Switzerland	Manipulation of host-protective immune activation by Mycobacterium tuberculosis

ERS | EMBO joint long-term fellowships awarded in 2018

Name	Nationality	Home institute	Group leader	Host institute	Project
Sally Yunsun Kim	Italian	The University of Sydney Australia	Charlotte Dean	Imperial College London, United Kingdom	REpaiR3: regeneration, recovery and restoration of lung function

EMBO Long-Term Fellowships 2018: Geographical distribution

Applications

Destination	Nationality																														Total						
	Austrian	Belgian	Croatian	Czech	Danish	Estonian	Finnish	French	German	Greek	Hungarian	Icelandic	Indian (A)	Irish	Israeli	Italian	Lithuanian	Luxembourgian	Maltese	Montenegrin	Dutch	Norwegian	Polish	Portuguese	Singaporean (A)	Slovak	Slovenian	Spanish	Swedish	Swiss		Turkish	British	Eastern Europe	USA/Canada	Others	
Austria	2	1		1				2	2				2			3					1								5				1	1	3	25	
Belgium	2					2	1	6	1	1			4	1		3							1	1				1	5				1	2	1	8	41
Croatia																																				0	
Czech Republic				1				1		1																									1	4	
Denmark	1			1				2	2				1		1	2					2			2					4	2	2	1		2	4	6	35
Estonia																1																				1	
Finland				1				2	2				2								1											2			2	12	
France		4	1		1			8	7	1	3		11		1	8	1				3			2					11					1	12	35	110
Germany	1	3		3		1		9	4	1			20		8	13	1				2		3	4	1				7	2	1		4	6	9	26	129
Greece																																				0	
Hungary				1									1																						1	3	
Iceland												1																								1	
India (A)													3																							3	
Ireland													1			1																				2	
Israel								3	1				6			2							1										2		5	20	
Italy				1					2	2			2	2		10								1								1			6	27	
Lithuania																																				0	
Luxembourg													1											1												2	
Malta																																				0	
Montenegro																																				0	
Netherlands			1					2	4				6	2	3	6					1		1	1					4	1		2	2	1	2	5	44
Norway								1			1		2			1																			1	6	
Poland													3																							3	
Portugal								2	1							1								5					1			1				11	
Singapore (A)								1	1				2												1				1							5	
Slovak Republic																																				0	
Slovenia																																				0	
Spain	1	1		1				2	3	1			4		1	8							1	4					8				1	1	2	14	53
Sweden		1		2				4	9				3								1		2	1				8		1	2	2		2	3	41	
Switzerland	3	4		2				23	9	2			15		1	5	1				2		2	1		1		6		2		4	2	8	19	112	
Turkey																															1				1	2	
United Kingdom		1	1	1		2		19	4	1			28	1	6	14	2				4		4						25		2	1	4	2	17	38	177
EMBL		2						2	3		1		4																2					1	1	4	20
Eastern Europe																																				0	
USA/ Canada		9				1	2	39	40	9	3		5	1	42	22	1				13		6	6		3		52	7	3	2	20			5	291	
Others				1				4	2				1			1					3			2		1		2	2			1				20	
Total	10	26	3	16	1	4	5	132	97	19	8	1	127	7	63	101	6	0	0	0	33	0	21	31	2	5	1	140	14	12	13	39	21	60	182	1200	

EMBO Long-Term Fellowships 2018: Geographical distribution

Awards

[illegible]

EMBO Advanced Fellowships →→

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

EMBO Advanced Fellowships awarded in 2018

Name	Nationality	Host laboratory	Group leader	Project
Sebastian Baumgarten	German	Institut Pasteur Paris, France	Artur Scherf	Something's got a hold on « Me »: Identifying the role of m6A-binding proteins in Plasmodium falciparum mRNA
Eduardo Bonavita	Italian	University of Manchester, United Kingdom	Santiago Zelenay	Analysis of cancer-associated inflammation: from tumour initiation to metastasis
Nevena Cvetic	Croatian	Imperial College London, United Kingdom	Boris Lenhard	Understanding evolutionary conservation of promoter architecture and dynamics in primordial germ cell development
Ayelén González Montoro	Argentinean	Osnabrück University, Germany	Christian Ungermann	Mechanisms of establishment and regulation of membrane contact sites
Felix Gunawan	Canadian	Max Planck Institute for Heart and Lung Research Bad Nauheim, Germany	Didier Stainier	Elucidating the critical cellular and molecular mechanisms that drive heart valve morphogenesis

EMBO Short-Term Fellowships →→

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

EMBO Short-Term Fellowships: Statistics Applications and awards 2014–2018

Year	Applications	Awards	Success rate %
2018	598	337	56
2017	588	281	48
2016	618	350	57
2015	401	194	48
2014	548	284	52

Applications and awards 2014–2018

Country from*	Applications	% of total	Awards	% of total	Success rate %
Austria	43	2	25	2	58
Belgium	48	2	34	2	71
Croatia	13	<1	7	<1	54
Czech Republic	46	2	29	2	63
Denmark	45	2	31	2	69
Estonia	2	<1	2	<1	100
Finland	26	1	13	1	50
France	74	3	47	3	64
Germany	145	5	90	6	62
Greece	45	2	23	2	51
Hungary	40	1	18	1	45
Iceland	1	<1	1	<1	100
India (A)	190	7	78	5	41
Ireland	34	1	19	1	56
Israel	52	2	36	2	69
Italy	264	10	143	10	54
Lithuania	1	<1	1	<1	100
Luxembourg	1	<1	0	0	0
Malta	1	<1	0	0	0
Netherlands	88	3	56	4	64
Norway	7	<1	6	<1	86
Poland	75	3	49	3	65
Portugal	63	2	31	2	49
Singapore (A)	1	<1	0	0	0
Slovak Republic	6	<1	2	<1	33
Slovenia	18	1	10	1	56
Spain	735	27	374	26	51
Sweden	37	1	26	2	70
Switzerland	36	1	27	2	75
Turkey	50	2	23	2	46
United Kingdom	164	6	123	9	75
EMBL	5	<1	3	<1	60
Eastern Europe	53	2	18	1	34
United States / Canada	44	2	19	1	43
Others	300	11	82	6	27
Total	2753	100	1446	100	53

EMBO Short-Term Fellowships awarded in 2018

Name	Nationality	Home institute	Group leader	Host institute	Project
Nicolas Gerardo Bologna	Argentinean	ETH Zurich, Switzerland	Eric Miska	University of Cambridge, United Kingdom	Studying nuclear shuttling processes by <i>C. elegans</i> WAGO proteins: NRDE-3 and HRDE-1
Pablo Scodeller	Argentinean	University Tartu, Estonia	Malin Wennström	Lund University Malmö, Sweden	Identifying and targeting the surface markers of pericytes associated with Alzheimer's disease
Daniel Beard	Australian	John Radcliffe Hospital Oxford, United Kingdom	Ulrich Dirnagl	Charité - Universitätsmedizin Berlin, Germany	Neuroprotection: is the mechanism of hypothermic neuroprotection explained by hamartin's effect on mTOR and autophagy?
Anita Bollmann-Giolai	Austrian	John Innes Centre Norwich, United Kingdom	Detlef Weigel	MPI für Entwicklungsbiologie Tübingen, Germany	Studying plant-associated interactions of <i>Pseudomonas</i> and <i>Sphingomonas</i> on the <i>A. thaliana</i> phyllosphere
Gernot Posselt	Austrian	University Salzburg, Austria	Thomas F. Meyer	MPI für Infektionsbiologie Berlin, Germany	The function and subcellular localization of the c-Abl kinase in <i>Helicobacter pylori</i> infections of primary human gastroids
Verena Stoeger	Austrian	University Vienna, Austria	Masha Niv	Hebrew University Jerusalem, Israel	Identification of binding sites of L-arginine on human bitter taste receptor 1 (T2R1)
Sophie Zahalka	Austrian	Medical University of Vienna, Austria	Edward Pearce	MPI für Immunbiologie und Epigenetik Freiburg, Germany	Exploring metabolic aspects of trained immunity in alveolar macrophages
Jubayer Hossain	Bangladeshi	University Bergen, Norway	Vincenzo Cerullo	University of Helsinki, Finland	Investigation of potential immunogenic cell death after the treatment with lentiviral vector-mediated HSV-Tk gene therapy in patient-derived xenograft model of human glioblastoma in humanized mice
Tahirah Yasmin	Bangladeshi	University of Edinburgh, United Kingdom	Massimo Lopes	University of Zurich, Switzerland	Visualisation by electron microscopy of the repair intermediates formed by homologous recombination at the site of a single chromosomal DNA double-strand break
Jolien Beeken	Belgian	University Hasselt, Belgium	Angela Giangrande	Institute of Genetics and Molecular and Cellular Biology (IGBMC) Illkirch, France	Dacapo, the <i>Drosophila</i> homologue of p27Kip1, is a molecular key to glial migration
Mélanie Boeckstaens	Belgian	Université Libre de Bruxelles Gosselies, Belgium	Arnaud Javelle	University of Strathclyde Glasgow, United Kingdom	Influence of ammonium transport mechanism of the conserved Mep-Amt-Rh protein family in the fungal filamentation induction
Sofie De Groef	Belgian	Katholieke Universiteit Leuven, Belgium	Nazif Alic	University College London, United Kingdom	Major facilitator superfamily transporter, Calment, mediates sex-specific lifespan in <i>Drosophila</i>

EMBO Short-Term Fellowships awarded in 2018

Name	Nationality	Home institute	Group leader	Host institute	Project
Annika Gillis	Belgian	Université Catholique Louvain, Belgium	Margarita Salas Falgueras	Centre for Molecular Biology 'Severo Ochoa' Madrid, Spain	Characterization of a new family B DNA polymerase derived from a tectiviruses-like genetic element found in <i>Bacillus thuringiensis</i>
Disha Shah	Belgian	Katholieke Universiteit Leuven, Belgium	Monica Garcia-Alloza	University of Cadiz Cadiz, Spain	Elucidating the contribution of astrocytes on functional network disruptions in a mouse model of Alzheimer's disease
Jimmy Van Den Eynden	Belgian	University Gothenburg, Sweden	Martin Miller	Cancer Research UK Cambridge Institute Cambridge, United Kingdom	Determining the extent of neo-antigen depletion in cancer using a somatic mutation simulation approach
Etthel Windels	Belgian	Katholieke Universiteit Leuven, Belgium	Pascal Hersen	Université Diderot (Paris 7) Paris, France	Single-cell study of the wake-up kinetics and phenotypic memory involved in bacterial persistence
Samantha Zaunz	Belgian	Katholieke Universiteit Leuven, Belgium	Jurgen Marteiijn	Erasmus University MC Rotterdam, Netherlands	Understanding the role of base excision repair mechanisms in fetal liver and bone marrow hematopoietic stem cells
Vítor Falavigna	Brazilian	National Institute for Agronomical Research (INRA) Montpellier, France	George M. Coupland	MPI für Züchtungsforschung Köln, Germany	Functional characterization of genes encoding apple dormancy-associated MADS-box (DAM) transcription factors
Joe Frost	British	John Radcliffe Hospital Oxford, United Kingdom	Bruno Galy	Deutsches Krebsforschungszentrum (DKFZ) Heidelberg, Germany	Investigating the role of the iron regulatory proteins in lymphocyte function
Sarah Hollingshead	British	Sir William Dunn School Oxford, United Kingdom	Ditlev Brodersen	Aarhus University, Denmark	Structural and functional studies into recognition of specific RNA targets by toxin-antitoxin PIN domain proteins
Pradeep Kumar Sacitharan	British	Institute of Aging and Chronic Disease Liverpool, United Kingdom	Jérémy Sellam	Université 6 Pierre et Marie Curie (UPMC) Paris, France	Elucidating the regulation of autophagy by the cholinergic pathway in osteoarthritis
Matthew Su	British	University College London, United Kingdom	Chun-Hong Chen	National Health Research Institutes Zhunan, Taiwan	Generation of mosquito clock mutants using CRISPR/Cas9
Sarah Thompson	British	University Newcastle, United Kingdom	Paul Proost	Katholieke Universiteit Leuven, Belgium	Post-translational modification of chemokines during heart transplantation: implications for their biological function
Naomi Todd	British	Queens University Belfast, United Kingdom	Gernot Desoye	Medical University Graz, Austria	The role of novel anti-angiogenic protein, FKBPL, in spiral uterine artery remodelling important for preeclampsia
Lucy Van Dorp	British	University College London, United Kingdom	Tom Gilbert	University Copenhagen, Denmark	Genetic impact of the Black Death on the people of Trondheim, Norway

EMBO Short-Term Fellowships awarded in 2018

Name	Nationality	Home institute	Group leader	Host institute	Project
Martin Welch	British	University of Cambridge, United Kingdom	Michael Meijler	Ben-Gurion University of the Negev Beer-Sheva, Israel	The Pseudomonas quinolone signal: more than just a transcriptional regulator?
Ivana Jovchevska	Bulgarian	University of Ljubljana Ljubljana, Slovenia	Gaetano Gargiulo	Max-Delbrück-Centrum Berlin, Germany	Targeted next generation sequencing for more precise glioblastoma diagnostics
George DiCenzo	Canadian	University of Florence Sesto Fiorentino, Italy	Peter Mergaert	Institut de Biologie Intégrative de la Cellule Gif-sur-Yvette, France	The role of epigenetic modifications in regulating symbiotic development by legume nitrogen-fixing microsymbionts
Lara Puetz	Canadian	University Copenhagen, Denmark	Rob Finn	European Bioinformatics Institute Hinxton Cambridge, United Kingdom	Does the gut microbiome shape behavioral modifications during red fox (<i>Vulpes vulpes</i>) domestication?
Julio Berrios	Chilean	Pontificia Universidad Católica Valparaíso, Chile	Diego Oyarzun	Imperial College London, United Kingdom	Dynamic modelling and optimisation of methanol utilisation pathway of the yeast <i>Pichia pastoris</i>
Jaime Espina	Chilean	Andrés Bello National University Santiago, Chile	Roberto Mayor	University College London, United Kingdom	Role of Warburg effect in collective cell migration of neural crest cells
Xueyuan Leng	Chinese	University Copenhagen, Denmark	Caroline Dean	John Innes Centre Norwich, United Kingdom	The importance of transcriptional kinetics in regulation of the plant floral repressor locus, FLC
Shuangjiang Li	Chinese	University Amsterdam, Netherlands	Lorenzo Frigerio	University of Warwick Coventry, United Kingdom	Transfer of membranes and luminal content among distinct types of vacuoles in plant cells
Yang Li	Chinese	University Sheffield, United Kingdom	Marlene Dreux	École Normale Supérieure Lyon, France	STING-mediated type I interferon regulation in response to Zika virus
Kaizheng Liu	Chinese	Radboud University Nijmegen, Netherlands	Johan Hofkens	Katholieke Universiteit Leuven, Belgium	Feel the force: cell adhesion in 3D biomimetic hydrogels
Qian Ma	Chinese	Swedish University of Agricultural Sciences Umeå, Sweden	Roeland Boer	ALBA Barcelona, Spain	Crystallographic analysis and biophysical characterization of the binding between a novel signaling molecule and its target protein
Wenshi Wang	Chinese	Erasmus University MC Rotterdam, Netherlands	Omry Koren	Bar-Ilan University Ramat Gan, Israel	Investigating efficacy and associated mechanism of cyclic dietary intervention in Crohn's disease patients
Nuo Yu	Chinese	Erasmus University MC Rotterdam, Netherlands	James Ellis	Hospital for Sick Children Toronto, Canada	Dissection of CLASP1 function in cardiomyocytes
Youjun Zhang	Chinese	MPI für molekulare Pflanzenphysiologie Potsdam-Golm, Germany	Sarah Connor	John Innes Centre Norwich, United Kingdom	The metabolic engineering of procyanidins in the plant cell culture
Tingting Zhu	Chinese	University Gent, Belgium	Wendy Harwood	John Innes Centre Norwich, United Kingdom	Functional characterization of temperature signaling proteins in wheat

EMBO Short-Term Fellowships awarded in 2018

Name	Nationality	Home institute	Group leader	Host institute	Project
Johana C Misas Villamil	Colombian	University of Cologne, Germany	Mark Banfield	John Innes Centre Norwich, United Kingdom	Biochemical and structural characterization of the fungal effector Pit2 and its conserved protease inhibitory motif
Anamaria Brozovic	Croatian	Ruđer Bošković Institute Zagreb, Croatia	Thomas F. Meyer	MPI für Infektionsbiologie Berlin, Germany	Ovarian cancer organoids as a model for investigation of drug-induced epithelial-mesenchymal transition
Ales Drobek	Czech	Institute of Molecular Genetics of the ASCR Prague, Czech Republic	Carolyn King	University of Basel, Switzerland	Tissue localization of virtual memory CD8 T cells
Ondrej Gahura	Czech	Biology Centre Ceske Budejovice, Czech Republic	Alexey Amunts	Science for Life Laboratory Solna, Sweden	The structure of 20S editosome from <i>Trypanosoma brucei</i>
Denisa Jansova	Czech	Institute of Animal Physiology and Genetics AS CZ, Czech Republic	Jeffrey Chao	Friedrich Miescher Institute Basel, Switzerland	RNA biosensors in living cells
Petra Labohá	Czech	Masaryk University Brno, Czech Republic	Lena Palmberg	Karolinska Institutet Stockholm, Sweden	Cyanobacteria in the air: do the human lungs like it?
Andrea Strakova	Czech	University of Cambridge, United Kingdom	Claes Gustafsson	University Gothenburg, Sweden	Linking genetic changes to transcription alterations in canine transmissible tumour mitochondrial genomes
Lisa Frankel	Danish	University Copenhagen, Denmark	Andreas Brech	University Hospital Oslo, Norway	Elucidating functional interconnections between autophagy, RNA-binding proteins and ribosome dynamics
Anna Kroeze	Dutch	Sanquin Research Amsterdam, Netherlands	Yvan Saeys	University Gent, Belgium	Analysis of cell subsets in acute graft-versus-host disease
Chrissta Maracle	Dutch	University Medical Centre Leiden, Netherlands	Pierre Morange	Aix-Marseille Université Marseille, France	The role of SLC44A2 in Venous Thromboembolism
Elke Muntjewerff	Dutch	Radboud University Nijmegen, Netherlands	Gustaf Christoffersson	Uppsala University, Sweden	Visualizing the anti-inflammatory effect of CST on macrophage differentiation and migration
Charlotte Rodrigues Neves	Dutch	VU University Amsterdam, Netherlands	Reyk Horland	Technische Universität Berlin, Germany	A multi-organ-on-chip approach to investigate how leachables from orthodontic restorative materials cause systemic toxicity leading to skin inflammation and rash
Cenna Van Manen	Dutch	Radboud University Nijmegen, Netherlands	Karsten Boldt	Universität Tübingen, Germany	Scrutinizing the role of the APC/C in ciliary disassembly by identifying novel substrates using BiID2-proximity labelling and label-free mass spectrometry
Natalia Vtyurina	Dutch	University Groningen, Netherlands	Oddmund Bakke	University Oslo, Norway	A live-cell fluorescence imaging platform to characterize the mechanism of internalization of nanomedicines by human cells

EMBO Short-Term Fellowships awarded in 2018

Name	Nationality	Home institute	Group leader	Host institute	Project
Sebastiaan Werten	Dutch	Medical University Innsbruck, Austria	Timm Maier	University of Basel, Switzerland	The structural basis of the amino-acid dependent regulation of mTORC1
Mahmoud Naguib	Egyptian	Uppsala University, Sweden	Robert Kraus	Max Planck Institute for Ornithology Sarnberg, Germany	Transcriptomic analysis of the host immune response against different Influenza A virus subtypes in wild birds and domestic poultry
Karmen Kapp	Estonian	University of Helsinki, Finland	Judith Rollinger	University Vienna, Austria	Chemical composition of Inonotus obliquus (Fr.) Pilát and correlation with the anti-herpes simplex virus activity in vitro
Aleksandr Kovaltsuk	Estonian	University of Oxford, United Kingdom	Johannes Trück	University Hospital Zurich, Switzerland	Devising a clean naïve antibody repertoire
Elisa Närvä	Finnish	University Turku, Finland	Jim Norman	Beatson Institute for Cancer Research Glasgow, United Kingdom	MASTL-regulated proteome and adhesion switch
Marie-Stéphanie Aschtgen	French	Karolinska Institutet Stockholm, Sweden	Scott Rice	Nanyang Technological University Singapore, Singapore	Role of the type VI secretion system in Klebsiella pneumoniae biofilm formation
Iulia Blesneac	French	John Radcliffe Hospital Oxford, United Kingdom	Sulayman Dib-Hajj	Yale University West Haven, United States	Identification and characterisation of novel Nav1.9 mutations in patients with chronic neuropathic pain
Thibaud Dieudonné	French	Institut de Biologie Intégrative de la Cellule Gif-sur-Yvette, France	Thomas Günther-Pomorski	Ruhr-Universität Bochum, Germany	Dissecting substrate specificity of ATP8B1/CDC50A, a lipid flippase important for hepatocyte function
Nadia Elkhatib	French	Institut Gustave Roussy Villejuif, France	Tatyana Svitkina	University of Pennsylvania Philadelphia, United States	Crosstalk between clathrin coated structures and caveolae. Consequences on cancer cells migration
Jonathan Fouchard	French	University College London, United Kingdom	Magali Suzanne	Université Paul Sabatier Toulouse, France	Biophysics of peripodial membrane withdrawal in the Drosophila leg disc
Florian Georgescauld	French	Institut de Biologie Physico-Chimique Paris, France	John R Engen	Northeastern University Boston, United States	Studying the Tric/CCT assisted folding of human tubulin by hydrogen/deuterium exchange mass spectrometry
Josée Guirouilh-Barbat	French	Institut Gustave Roussy Villejuif, France	Madalena Tarsounas	University of Oxford, United Kingdom	Defining and targeting backup DNA repair pathways in BRCA2-deficient cells
Anne-Sophie Hafner	French	MPI für Hirnforschung Frankfurt, Germany	Etienne Herzog	Interdisciplinary Institute for Neuroscience (IINS) Bordeaux, France	Identification of the local transcriptome in mature excitatory presynaptic boutons.
Yea-Lih Lin	French	CNRS Institute of Human Genetics Montpellier, France	Wen-Chin Yang	Agricultural Biotechnology Research Center (ABRC) Taipei, Taiwan	Anti-cancer effect of novel compounds targeting DNA replication from Chinese herbal medicines in mouse models

EMBO Short-Term Fellowships awarded in 2018

Name	Nationality	Home institute	Group leader	Host institute	Project
Hélène Tubeuf	French	University of Rouen Mont-Saint-Aignan, France	Shyam K Sharan	National Cancer Institute (NCI) Frederick, United States	Evaluation of the pathogenicity of variants inducing splicing alterations in the BRCA1/2 genes using a mouse embryonic stem cell-based functional assay
Uwe Benary	German	Max-Delbrück-Centrum Berlin, Germany	Francesca Spagnoli	King's College London, United Kingdom	Exploring cell fate decisions of progenitor cell populations of pancreatic and hepatic cell lineages during embryonic development using a systems biological approach
Fabian Braun	German	Universitätsklinikum Eppendorf (UKE) Hamburg, Germany	Sasha Shafikhani	Rush University Medical Center Chicago, United States	Microvesicular signaling: a new paradigm in glomerular health and disease
Franziska Dengler	German	Universität Leipzig, Germany	Johanna Myllyharju	University Oulu, Finland	The role of hypoxia-inducible factor prolyl 4-hydroxylases in the pathogenesis of multiple sclerosis
Simone Haeberlein	German	Justus-Liebig-Universität Giessen, Germany	Aaron Maule	Queens University Belfast, United Kingdom	Exploring aldehyde dehydrogenase and Abl kinase as novel druggable targets in the liver fluke <i>Fasciola hepatica</i>
Alexander Junge	German	University Copenhagen, Denmark	Zhiyong Lu	National Center for Biotechnology Information Bethesda, United States	Text mining of disease-associated genomic variants and their integration into the DISEASES database
Lisa Neidhardt	German	University of Cambridge, United Kingdom	Matthias Mayer	Zentrum für Molekulare Biologie (ZMBH) Heidelberg, Germany	Characterization of the BiP-IRE1 binding interface by hydrogen exchange mass spectrometry
Jonas Niemann	German	University York, United Kingdom	Tomas Marques-Bonet	Universitat Pompeu Fabra Barcelona, Spain	Genomic archaeology to resolve an evolutionary conundrum
Johanna Ruhnau	German	Ernst-Moritz-Arndt- Universität Greifswald Greifswald, Germany	Amanda Sierra	Achucarro Basque Center for Neuroscience Zamudio, Spain	Role of the Th1 lymphocytes for the activation microglia after ischemic stroke
Diana Rüthnick	German	Zentrum für Molekulare Biologie (ZMBH) Heidelberg, Germany	Andrew Jefferson	University of Oxford, United Kingdom	Analysis of the function of a nuclear pore complex during spindle pole body insertion
Janina Stautz	German	Goethe University Frankfurt, Germany	Henrik Strahl	Newcastle University, United Kingdom	Localisation, organisation and modulation of the unique K ⁺ channel KtrAB in vivo
Florian Stroehl	German	University of Cambridge, United Kingdom	Balpreet Ahluwalia	University Tromsø, Norway	Development of waveguide-based superresolution microscopy for nanoscale histology
Alexander Westermann	German	University Würzburg, Germany	David W. Holden	Imperial College London, United Kingdom	Molecular phenotypes of Salmonella virulence effectors
Alexander Wurm	German	Universität Leipzig, Germany	Cristina Maria Pina	University of Cambridge, United Kingdom	Interaction of GCIncl1 and KAT2A in acute myeloid leukemia

EMBO Short-Term Fellowships awarded in 2018

Name	Nationality	Home institute	Group leader	Host institute	Project
George Diallinas	Greek	National and Kapodistrian University Athens, Greece	Riccardo Percudani	Università degli Studi di Parma, Italy	Co-evolution of transporters and relative metabolic pathways: the case of nucleobase-ascorbate transporters (NATs)
Katerina Katsani	Greek	Democritus University of Thrace Komotini, Greece	Steven Russell	University of Cambridge, United Kingdom	Genetic tools for the study of the human Triple A syndrome in a fly model
Antonios Lioutas	Greek	Centro de Regulación Genómica (CRG) Barcelona, Spain	Ting (c.-Ting) Wu	Harvard Medical School Boston, United States	Super-resolution microscopy to study dynamic enhancer-promoter interactions
Loulieta Nazerai	Greek	University Copenhagen, Denmark	Daniel Pinschewer	University of Basel, Switzerland	Development of novel replication-deficient LCMV vectors expressing Zika virus antigens
Michalis Petropoulos	Greek	University Patras, Greece	Stefan Terjung	EMBL Heidelberg, Germany	In-cell assessment of Cdt1/Geminin interactions through high-content imaging
John-Mario Roussis	Greek	IMBB - FORTH Heraklion, Greece	Anita Göndör	Karolinska Institutet Stockholm, Sweden	In situ interactions of Friend of GATA1 (FOG-1), an erythroid-specific transcriptional co-factor, with CTCF and the cohesin complex in murine erythroid cells
Anastasia Xagara	Greek	Biomedical Research Institute - FORTH Ioannina, Greece	Robbert Spaapen	Sanquin Research Amsterdam, Netherlands	The role of Glycosphingolipid composition on neuroblastoma differentiation and immunogenicity
Siu Tze (sarah) Mak	Hong Kong Chinese	University Copenhagen, Denmark	Douwe Molenaar	VU University Amsterdam, Netherlands	Unraveling the microbial communities of Riesling
Valéria Bugris	Hungarian	Biological Research Centre Szeged, Hungary	Elspeth Garman	University of Oxford, United Kingdom	Radiation damage studies of nucleoprotein complexes in macromolecular crystallography
Alexandra Veress	Hungarian	Agricultural Biotechnology Centre Gödöllő, Hungary	Tamas Korcsmaros	Research Park The Genome Analysis Centre, United Kingdom	Comparison of the virulence factors of Salmonella enterica pathovars by bioinformatics methods
Pratap Chandra Acharya	Indian	Tripura University Agartala, India	Alexandra Paulo	University of Lisbon, Portugal	Screening of spirooxindole derivatives as cancer chemotherapeutic agents by targeting G-quadruplex interaction
Gautam Anand	Indian	Indian Institute of Technology Delhi, India	Alica Chroňáková	Biology Centre Ceske Budejovice, Czech Republic	How safe is organic farming – case study with effects of pharmaceuticals as an abiotic stress on rhizospheric microbial community
Jatin Arora	Indian	MPI für Evolutionsbiologie Plön, Germany	Shyam Prabhakar	Genome Institute Singapore, Singapore	A new integrative approach to discover potential type 1 diabetes-relevant complexes of HLA-bound epitopes and autoreactive T-cells
Shiyana Arora	Indian	Panjab University Chandigarh, India	Alena Sumová	Academy of Sciences of the Czech Republic Prague, Czech Republic	Elucidation of association of clock genes and inflammatory markers of brain and gut in shift work disorder paradigm in mice

EMBO Short-Term Fellowships awarded in 2018

Name	Nationality	Home institute	Group leader	Host institute	Project
Santhosh Arul	Indian	Anna University Chennai, India	Jean-Claude Martinou	University of Geneva, Switzerland	Biochemical and molecular role of high concentration pyruvate in cancer cells – insight as a possible therapeutic agent for cancer treatment
Sayak Bhattacharya	Indian	Jadavpur University Kolkata, India	Ute Hentschel Humeida	GEOMAR Kiel, Germany	Identification and characterization of marine bone degrading enzymes from the bone-eating Osedax worm and other associated microbial assemblages
Gunasekhar Burra	Indian	Indian Institute of Technology Kanpur, India	Louise Serpell	University Sussex, United Kingdom	Insights into the molecular structure of amyloid-like fibrils formed by polyglutamine-containing peptides
Siddhi Desai	Indian	The Maharaja Sayajirao University of Baroda Vadodara, India	Sylvain Brisse	Institut Pasteur Paris, France	High resolution genomic analysis of multidrug-resistant (MDR) <i>Klebsiella pneumoniae</i> isolates circulating in Indian country
Aabha Deshpande	Indian	Goa National Institute of Oceanography, India	Gert Wörheide	Ludwig-Maximilians-Universität München, Germany	Differential gene expression analysis in marine sponge <i>Cinachyrella cf cavernosa</i>
Vaibhav Dixit	Indian	Birla Institute of Technology and Science Pilani, India	Samuel De Visser	University of Manchester, United Kingdom	Exploring the role of CYP450 redox potential in isoform specificity and drug metabolism
Priyanka Dutta	Indian	University of Pune Pune, India	Laurent Blanchoin	Institut de Biosciences et Biotechnologies Grenoble, France	Dissecting Formin 2 (Fmn2) mediated actin-microtubule cross-talk: direct visualization of cytoskeletal dynamics in vitro reconstituted assays
Jitendrapuri Gosai	Indian	The Maharaja Sayajirao University of Baroda Vadodara, India	Asaph Aharoni	Weizmann Institute of Science Rehovot, Israel	Incipient events of host root colonization by rhizobia, their regulation and ecological influence
Ishita Gupta	Indian	Translational Health Science and Technology Institute Faridabad, India	Titia K. Sixma	Netherlands Cancer Institute Amsterdam, Netherlands	Molecular understanding of TRIM72 mediated IRS1 regulation
Nikhil Jain	Indian	ETH Zurich, Switzerland	Yuval Ebenstein	Tel Aviv University, Israel	Cell-confinement regulated epigenetic-profiling during inflammation using super-resolution epigenetic genome mapping
Shriraj Jakhalekar	Indian	Goa National Institute of Oceanography, India	Alexander Ereskovsky	Aix-Marseille Université Marseille, France	Studies on impact of reproduction on regeneration in sponges (Porifera)
Saketh Kapoor	Indian	Yenepoya University Mangalore, India	Antonio Mazzocca	Università Bari, Italy	Development of novel pharmacological therapies for liver cancer
Sachin Kumar	Indian	Birbal Sahni Institute of Palaeosciences Lucknow, India	Eske Willerslev	University Copenhagen, Denmark	Reconstructing the human population history of South Asia: from modern to ancient genomes

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Name	Nationality	Home institute	Group leader	Host institute	Project
Sanjeev Kumar	Indian	All India Institute of Medical Sciences (AIIMS) New Delhi, India	Rogier W. Sanders	University Amsterdam, Netherlands	Design and development of stabilized native-like HIV-1 trimeric immunogen from Indian clade C envelopes isolated from a pediatric elite neutralizer
Kumkum Kumari	Indian	M S Swaminathan Research Foundation Chennai, India	Anne-Aliénor Véry	Université II Montpellier, France	Model guided site directed mutagenesis of the halophytic wild rice sodium transporter OcHKT1;5 and cultivated rice sodium transporter OsHKT1;5 and examination of transport properties in heterologous systems and possible interaction with the plasma membrane proteolipid 3 (PMP3)
Nitya Nandkishore	Indian	Institute for Stem Cell Biology and Regenerative Medicine Bangalore, India	Michael Schubert	Observatoire Océanologique Villefranche-sur-mer, France	Conservation of developmental mechanisms governing mesoderm specification and axial extension among chordates
Vikram Pareek	Indian	Birla Institute of Technology and Science Pilani, India	Seamus Fanning	University College Dublin, Ireland	Mechanistic insights behind the action of silver nanoparticles on multidrug resistant bacteria
Unnati Patel	Indian	Indian Institute of Science Bangalore, India	Bernd Bukau	Zentrum für Molekulare Biologie (ZMBH) Heidelberg, Germany	Ribosome profiling of omega-subunit of RNA polymerase and its silent mutants
Pinky	Indian	Birla Institute of Technology and Science Pilani, India	Tony Miller	John Innes Centre Norwich, United Kingdom	Bi-directional amino acid transport at the plant vacuole by AtAVT6D
Tooba Quidwai	Indian	University of Edinburgh, United Kingdom	Gaia Pigino	MPI für molekulare Zellbiologie und Genetik Dresden, Germany	Defining a 'coatamer' function for IFT-A in the transport of membrane cargos into cilia
Cheryl Sachdeva	Indian	Amity Institute of Virology & Immunology Noida, India	Peter Rainer Preiser	Nanyang Technological University Singapore, Singapore	Evaluation of selected medicinal plant extracts and purified molecules for in vivo antimalarial efficacy and inhibition of P. falciparum cytoadherence
Devadathan Sethumadhavan	Indian	Rajiv Gandhi Centre for Biotechnology Trivandrum, India	Moritz Treeck	Francis Crick Institute London, United Kingdom	Functional characterisation of chromatin regulatory proteins in Plasmodium falciparum
Mohan Shankar G	Indian	Rajiv Gandhi Centre for Biotechnology Thiruvananthapuram, India	Connie Jimenez	VU University Amsterdam, Netherlands	Evaluation of the molecular mechanism behind the anti-cancer activity of tryptanthrin against Non-melanoma skin cancer
Tushar Shaw	Indian	Kasturba Medical College Manipal, India	Ivo Steinmetz	Medical University Graz, Austria	An investigation of environmental influence on the growth of Burkholderia pseudomallei in the soil of south west coast of Karnataka

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Ranajit Shinde	Indian	Mukesh Patel Technology Park Shirpur, India	Matthias Wilmanns	EMBL Hamburg, Germany	Computer aided optimization, in vitro activity and co-crystallization of <i>Vibrio cholerae</i> DHPBS inhibitors
Archana Singh	Indian	University Delhi, India	Ian T. Baldwin	MPI für Chemische Ökologie Jena, Germany	A quantitative trait loci mapping study to detect variation in JA signaling in the MAGIC population of <i>Nicotiana attenuata</i>
Priyanka Singh	Indian	Jawaharlal Nehru University New Delhi, India	Perdita Barran	University of Manchester, United Kingdom	Exploring the interaction of noradrenaline with alpha-synuclein and characterizing the oligomeric conformers formed in its presence using ESI-IMS-MS
Puja Singh	Indian	Institut Curie Orsay, France	Paul Guichard	University of Geneva, Switzerland	The role of microtubule polyglutamylation in centriole assembly and function
Sanjay Singh	Indian	Ahmedabad University, India	Séverine Le Gac	University of Twente Enschede, Netherlands	Development of 3D tumor spheroid system for rapid testing of novel nanomedicines
Suraj Toraskar	Indian	Indian Institute of Science Education and Research Pune, India	Peter Seeberger	MPI für Kolloid- und Grenzflächenforschung Berlin, Germany	sTn coated gold nanoparticles as a cancer vaccine platform: influence of size, shape and antigen functionality on immunological responses in vitro and in vivo
Manu Unni	Indian	Indian Institute of Science Education and Research Pune, India	Irit Sagi	Weizmann Institute of Science Rehovot, Israel	Ultra-structural study of Hydra mesoglea
Eimear Dolan	Irish	Royal College of Surgeons in Ireland Dublin, Ireland	Elazer Edelman	Massachusetts Institute of Technology (MIT) Cambridge (MA), United States	Exploring hydrogel-encapsulated cellular responses after injection into the beating myocardium
Robert Kavanagh	Irish	University College Dublin, Ireland	Diarmuid O'Maoileidigh	MPI für Züchtungsforschung Köln, Germany	Investigating the role that the SEPALLATA genes may play in developmental robustness by generating single gene knockouts using CRISPR/Cas9
Aidan Kenny	Irish	Royal College of Surgeons in Ireland Dublin, Ireland	Jesús Ávila	Centre for Molecular Biology 'Severo Ochoa' Madrid, Spain	Investigating the sequestering mechanisms of pathological tau on microRNA in neuronal soma and synaptic compartments
Roisin Loftus	Irish	Trinity College Dublin, Ireland	Semir Beyaz	Cold Spring Harbor Laboratory New York, United States	Characterization of molecular mechanisms that underlie obesity-induced immune dysregulation
Jordan Chill	Israeli	Bar-Ilan University Ramat Gan, Israel	Michele Vendruscolo	University of Cambridge, United Kingdom	Biocomputational simulation of molecular motions in toxin inhibitors and intrinsically disordered proteins
Shimrit David	Israeli	Ben-Gurion University of the Negev Beer-Sheva, Israel	Sander Van Kasteren	Leiden University, Netherlands	Visualization of bacterial communication during host-pathogen interactions

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Sarah Morais	Israeli	Ben-Gurion University of the Negev Beer-Sheva, Israel	Ohad Medalia	University of Zurich, Switzerland	Applying cryo-electron microscopy to unravel in situ structural aspects of cellulosome-mediated fiber degradation
Hadas Pahima	Israeli	Hebrew University Jerusalem, Israel	Rudolf Valenta	Medical University of Vienna, Austria	Activating and inhibitor receptors: are they the key for fine tuning of allergy?
Tamar Zehavi	Israeli	Ben-Gurion University of the Negev Beer-Sheva, Israel	David Berry	University Vienna, Austria	Unravel mechanisms of rumen microbial succession
Martino Adamo	Italian	Università Torino, Italy	Michael Fay	Royal Botanic Gardens Kew, United Kingdom	Genetic diversity of an isolate population of the endangered orchid species <i>Cypripedium calceolus</i>
Giulia Antoniali	Italian	Università degli Studi Udine, Italy	Wim Vermeulen	Erasmus University MC Rotterdam, Netherlands	Disclosing the APE1 function in DDR to improve efficacy of chemo-therapy
Barbara Bettegazzi	Italian	San Raffaele Institute (HSR/TIGET) Milano, Italy	Sabina Tahirovic	Deutsches Zentrum für Neurodegenerative Erkrankungen (DZNE) München, Germany	Role of eIF4B in the translational control of BACE1 and its relevance in Alzheimer's disease
Matteo Boretto	Italian	Katholieke Universiteit Leuven, Belgium	Magdalena Zernicka-Goetz	University of Cambridge, United Kingdom	Modeling embryo attachment and implantation using 3D endometrial organoids
Elena Britti	Italian	Universitat de Lleida Lleida, Spain	Andrey Abramov	University College London, United Kingdom	Parkinson disease and Friedreich ataxia show similar mechanisms of mitochondrial dysfunction and calcium dyshomeostasis
Enrica Calura	Italian	Università di Padova, Italy	Sampsa Hautaniemi	University of Helsinki, Finland	A multi-omics pathway analysis for an actionable understanding of high-grade serous epithelial ovarian cancer
Silvia Campello	Italian	University 'Tor Vergata' Rome, Italy	Klaus Qvortrup	University Copenhagen, Denmark	Characterization of a new organelle in T cell immune-surveillance communication: the migrasome
Anselmo Canciani	Italian	Università Pavia, Italy	Serena Stanga	Université Catholique de Louvain Bruxelles, Belgium	A nerve-muscle co-culture model to elucidate neurotrypsin function in neuromuscular junction (NMJ) formation
Niccolò Candelise	Italian	Universität Göttingen, Germany	Paolo Matteini	Institute of applied physics 'Nello Carrara' Sesto Fiorentino, Italy	Detection and quantification of protein aggregates by real time quaking induced conversion coupled with surface enhanced Raman spectroscopy
Marianna Carinci	Italian	Università degli Studi di Roma 'Tor Vergata' Rome, Italy	Nicholas Ktistakis	Babraham Institute Cambridge, United Kingdom	Role of TFG (Trk-fused gene) in autophagy by dynamic imaging
Nicoletta Caronni	Italian	ICGEB Trieste, Italy	Pierre Guérmonprez	King's College London, United Kingdom	How Batf3 lung resident DCs contribute to T cell priming in a Kras/p53 lung cancer model

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Simona Cataldi	Italian	CNR Napoli, Italy	Jean-François Tanti	University of Nice Sophia Antipolis Nice, France	Alteration of splicing at PPARC locus in hypertrophic obesity: impact of inflammation and high fat diet
Martina Cerise	Italian	Università degli Studi Milano, Italy	Andrea Gallavotti	Waksman Institute of Microbiology Piscataway, United States	Use of DNA affinity purification sequencing (DAP-seq) in order to find targets of OsFD4, a flowering promoter at the shoot apical meristem of rice
Vincenza Colonna	Italian	CNR Napoli, Italy	Nicole Soranzo	Sanger Institute Cambridge, United Kingdom	Deciphering genetic causes of recurrent pregnancy losses (REPROS)
Ugo Coppola	Italian	Stazione Zoologica 'Anton Dohrnz' Napoli, Italy	Alberto Stolfi	Georgia Institute of Technology Atlanta, United States	The role of Khl21 gene during Ciona robusta pigment cell development
Elvira De Leonibus	Italian	University of Rome 'Sapienza' Rome, Italy	Karel Jezek	Charles University Pilsen, Czech Republic	In vivo neuronal recordings to reveal cooperation between brain regions under high memory load conditions
Daniele De Martino	Italian	Institute of Science and Technology Austria (IST) Klosterneuburg, Austria	Matthias Heinemann	University Groningen, Netherlands	Tackling thermodynamic constraints in metabolic network models with optimized Monte Carlo algorithms & applications to unravel the cause of overflow metabolism
Elena De Vita	Italian	Deutsches Krebsforschungszentrum (DKFZ) Heidelberg, Germany	Edward Tate	Imperial College London, United Kingdom	Proteomic profiling of small molecule KLK6 (transient) covalent inhibitors with activity based probes
Giulia Dell'Omo	Italian	University of Milan Milan, Italy	Adrian Harris	University of Oxford, United Kingdom	NSAIDs chemopreventive effects on angiogenesis
Daniela Esposito	Italian	Institute of Genetics and Biophysics 'Adriano Buzzati-Traverso' Napoli, Italy	Eleonora Leucci	Katholieke Universiteit Leuven, Belgium	Identification of COMET (Correlated-to-MET) lncRNA mechanism of action to dissect its oncogenic ability in papillary thyroid carcinoma
Irene Farabella	Italian	Centro de Regulación Genómica (CRG) Barcelona, Spain	Ting (c-Ting) Wu	Harvard Medical School Boston, United States	Oligopaint modeling of genomes in 3D
Fabio Fedi	Italian	University of Nottingham, United Kingdom	Richard Finkers	University and Research Wageningen, Netherlands	High-throughput identification of genetic and epigenetic natural variation screen for fruit texture-related genes by a novel nanopore sequencing technology approach to improve tomato shelf life
Serena Flori	Italian	Marine Biological Association of the UK Plymouth, United Kingdom	Benjamin D. Engel	MPI für Biochemie Martinsried, Germany	Unveiling the native rearrangement of the diatom chloroplast under light stress

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Marco Gentili	Italian	Università degli Studi Perugia, Italy	Julio Juan Galvez Peralta	Universidad Granada, Spain	Evaluation of the relationship between the microbiota, the intestinal inflammation and the anti-inflammatory protein GILZ
Alberto Gialetta	Italian	Università di Padova, Italy	John Doorbar	University of Cambridge, United Kingdom	Experimental assessment of a mathematical model of human papillomavirus early gene regulation
Damiano Lironi	Italian	University of Rome 'Sapienza' Rome, Italy	Aleksandra Skirycz	MPI für molekulare Pflanzenphysiologie Potsdam-Golm, Germany	Innovative mass spectrometry approaches to investigate priming of defense responses in Arabidopsis thaliana
Anastasia Liuzzi	Italian	Università degli Studi di Parma, Italy	Ditlev Brodersen	Aarhus University, Denmark	Structural and functional analysis of a chimeric enzyme for therapeutic use
Marco Lorenzoni	Italian	University Trento, Italy	Marianna Kruithof-De Julio	University Bern, Switzerland	Multiple 2D and 3D platforms for the analysis of prostate cancer: improving diagnosis and clinical management
Flavia Angela Maria Maggiolini	Italian	Università Bari, Italy	Jan O. Korbel	EMBL Heidelberg, Germany	Discovery of inversion variants between human and macaque genomes using single cell template strand-sequencing
Giulia Mana	Italian	Candiolo Cancer Institute Candiolo, Italy	Reinhard Fässler	MPI für Biochemie Martinsried, Germany	Characterization of the phenotype of Ras and Rab interactor (Rin)2 knockout mice
Grazia Marsico	Italian	National University of Ireland Galway, Ireland	Niclas Karlsson	University Gothenburg, Sweden	Elastin-like hydrogel as a therapeutic for ischemic conditions: an insight into the glyco-environment
Alessia Masuccio	Italian	Medical University Innsbruck, Austria	Matthias Peter	ETH Zurich, Switzerland	Discovery and mechanistic characterization of a novel druggable pathway to degrade the oncoprotein SKP2 and inhibit cell cycle progression
Chiara Merigliano	Italian	University of Rome 'Sapienza' Rome, Italy	Daniela Rhodes	Nanyang Technological University Singapore, Singapore	Biochemistry and mechanics of the telomere associated protein AKTIP
Simone Messina	Italian	University Antwerp, Belgium	Valeria Marasco	University of Veterinary Medicine Vienna, Austria	Physiological stress as a mechanism underlying the effects of forest logging on tropical birds
Giulia Milordini	Italian	King's College London, United Kingdom	Daniel Segal	Tel Aviv University, Israel	Suppressing amyloid formation: a structural approach
Elita Montanari	Italian	University of Rome 'Sapienza' Rome, Italy	Graciela Pavon-Djavid	Université Paris 13 Villetaneuse, France	Astaxanthin as natural ROS-scavenger for cardiovascular diseases. Study of its biological availability/efficacy using hyaluronan-based nanogels
Francesca Negrini	Italian	Università Bologna, Italy	Marko Hyvonen	University of Cambridge, United Kingdom	Characterization of the interaction between Rapid Alkalinization Factor (RALF) and its receptor FERONIA in strawberry

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Samuele Negro	Italian	Università di Padova, Italy	Giampietro Schiavo	University College London, United Kingdom	Live imaging of alarmins released by damaged sciatic nerve
Roberto Oleari	Italian	Università degli Studi Milano, Italy	M. Albert Basson	King's College London, United Kingdom	Study of Prdm13 gene in the control of mouse and human reproduction: analysis of the hypothalamic GnIH system
Alessandra Pagliaro	Italian	Institute for Biomedicine Bolzano, Italy	Patrizia Camelliti	University Surrey, United Kingdom	A two-dimensional co-culture system of human iPSC-CMs with primary human cardiac fibroblasts for the investigation of Arrhythmogenic Cardiomyopathy
Anita Palma	Italian	Istituto Superiore di Sanità Roma, Italy	Massimo Lopes	University of Zurich, Switzerland	Visualization of the dynamic architecture of replication intermediates upon loss of WRN exonuclease function and CPT treatment
Marco Perez	Italian	Instituto de Biomedicina de Sevilla Sevilla, Spain	Shipley Janet	Cancer Research UK Sutton, United Kingdom	Identifying molecular markers of sensitivity in young onset sarcomas
Maria Lucia Pigazzini	Italian	Leibniz-Institut für Molekulare Pharmakologie (FMP) Berlin, Germany	Gabriele Kaminski Schierle	University of Cambridge, United Kingdom	Tracking huntingtin protein aggregation in aging C.elegans
Giulia Pontarollo	Italian	University Padua, Italy	Christoph Reinhardt	Johannes-Gutenberg-Universität Mainz, Germany	The role of gut microbiota <i>Bacillus subtilis</i> in haemostasis and thrombosis: an in vivo study with germ-free mice
Rita Puglisi	Italian	King's College London, United Kingdom	Elisabetta Boeri Erba	Institut de Biologie Structurale Grenoble, France	Investigating the biogenesis of iron sulfur clusters and identifying reaction intermediates using native mass spectrometry
Antonella Rendina	Italian	CNR Napoli, Italy	Massimiliano Caiazzo	Utrecht University, Netherlands	Neuroimmune overlapping mutations leading to dementia: focusing on CD33 and TREM2 genes
Leonardo Sacconi	Italian	University of Florence Sesto Fiorentino, Italy	Gil Bub	McGill University Montreal, Canada	Optically induced re-entrant circuit in patterned cardiac monolayers
Nathalie Sala	Italian	University of Milan Milan, Italy	Barbara Di Benedetto	Universität Regensburg, Germany	Assessing the role of EphA4/ephrinA3 signaling in modulating ketamine and corticosterone effects on dendritic remodeling
Francesca Sardina	Italian	National Research Council Rome, Italy	Andrew Grierson	University Sheffield, United Kingdom	The HIPK2 kinase/spastin axis in hereditary spastic paraplegia (HSP): functional roles and potential therapeutic applications
Gloria Scattolin	Italian	Università di Padova, Italy	Michelangelo Campanella	University of London London, United Kingdom	Exploring the interaction of dehydroepiandrosterone (DHEA) with the mitochondrial cholesterol transporter TSPO
Daisy Sproviero	Italian	Fondazione Mondino Pavia, Italy	Ammar Al-Chalabi	King's College London, United Kingdom	R-loop forming sequences in ALS TARDBP and C9orf72 mutated cases

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Laura Tosatto	Italian	University Trento, Italy	Xavier Salvatella	Institute for Research in Biomedicine Barcelona, Spain	Influence of phosphorylation in the structural heterogeneity of androgen receptor disordered N-terminal domain
Elisa Vitiello	Italian	University of Grenoble Saint-Martin-d'Hères, France	Guillaume Charras	University College London, United Kingdom	Light control of actomyosin contractility to tune centriole separation and centrosome duplication
Vitaliy Khlebnikov	Kazakhstani	University Medical Centre (UMC) Utrecht, Netherlands	Silvio Aime	Università Torino, Italy	Development of chemical exchange saturation transfer (CEST) MRI contrast agents for non-invasive MRI monitoring of tissue engineering therapies
Biljana Mojsoska	Macedonian	Technical University of Denmark Lyngby, Denmark	Dominique Schneider	University of Grenoble Saint-Martin-d'Hères, France	Determining novel insights behind persister phenotype using two long-term evolutionary experiments
Maria Isabel Nares Rodriguez	Mexican	University Sheffield, United Kingdom	Paul Hudson	Royal Institute of Technology Stockholm, Sweden	Engineering double strand breaks in <i>Synechocystis</i> using CRISPR Cas systems
Sara Ettamimi	Moroccan	Universidade do Algarve Faro, Portugal	Katja Lehmann	Centre for Ecology and Hydrology Lancaster, United Kingdom	Taxonomic characterization and functional analysis of microbial diversity in Moroccan rivers using a metagenomics approach
Irving Aye	New Zealander	University of Cambridge, United Kingdom	Masahito Ikawa	Research Institute for Microbial Diseases Osaka, Japan	Placental-specific gene editing system to study the mechanisms underlying pregnancy disorders
Malgorzata Bobrowicz	Polish	University Warsaw, Poland	Emmanuella Guenova	University of Zurich, Switzerland	Exploring the role of HDAC6 in cutaneous T-cell lymphoma
Dominika Chmolewska	Polish	The Polish Academy of Sciences Warsaw, Poland	Leho Tedersoo	University Tartu, Estonia	Habitat translocation and its effect on species preservation and migration
Małgorzata Cieśla	Polish	The Polish Academy of Sciences Warsaw, Poland	Jean-Paul Di Rago	University of Bordeaux Bordeaux, France	Identification of new inhibitors of RNA polymerase III using yeast-based screening assay
Michał Falkowski	Polish	Nicolaus Copernicus University Bydgoszcz, Poland	Valentina Rapozzi	Università degli Studi Udine, Italy	The relation between NO-NRF2 and photodynamic therapy (PDT) in prostate cancer
Piotr Hapeta	Polish	University Wrocław, Poland	Jens Nielsen	Chalmers University of Technology Göteborg, Sweden	Transcriptomic analysis of the yeast <i>Yarrowia lipolytica</i> growing on different sugars, glycerol and mixtures of those substrates
Natalia Lis	Polish	Jacobs Universität Bremen, Germany	Benedict Chambers	Karolinska Institutet Stockholm, Sweden	MCMV m152/gp40 sterically prevents the binding of NKG2D to RAE-1 γ
Monika Mioduchowska	Polish	University Gdansk, Poland	Tom Pinceel	Katholieke Universiteit Leuven, Belgium	Coevolution of the endangered fairy shrimp <i>Branchipus schaefferi</i> (Branchiopoda, Anostraca) and intracellular endosymbiont <i>Wolbachia</i> bacteria

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Adrian Odrzywolski	Polish	Medical University of Lublin Lublin, Poland	Joris Vermeesch	Katholieke Universiteit Leuven, Belgium	Genetic basis of Gollop-Wolfgang syndrome
Katarzyna Rodzik	Polish	The Centre of Postgraduate Medical Education Warsaw, Poland	Laura Polisen	CNR Institute of Clinical Physiology Pisa, Italy	Study of the biological role played by MCM7 and its embedded miR-106b-25 cluster in clear cell Renal Cell Carcinoma (ccRCC) progression.
Joanna Rusecka	Polish	University Warsaw, Poland	Aurelio Reyes	MRC Mitochondrial Biology Unit Cambridge, United Kingdom	Functional analysis of a novel potentially pathogenic c.493G>C (p.Gly165Arg) variant in the RNASEH1 gene
Paulina Rybakowska	Polish	Center for Genomics and Oncology Research (GenYO) Granada, Spain	Yvan Saeys	University Gent, Belgium	Systemic autoimmune diseases stratification using single cell high-dimensional mass cytometry data
Łukasz Szymański	Polish	The General Karol Kaczkowski Military Institute of Hygiene and Epidemiology Warsaw, Poland	Jacek Kubiak	Université de Rennes 1 Rennes, France	Overexpression of MELK as a tool for accelerated wound healing
Elżbieta Wanowska	Polish	Adam Mickiewicz University Poznan, Poland	Manel Esteller	Institut d'Investigacio Biomedica de Bellvitge (IDIBELL) Barcelona, Spain	The roles of lncRNAs in alternative splicing regulation and chromatin structure modulation
Zbigniew Warkocki	Polish	Polish Academy of Sciences Poznan, Poland	Jose L Garcia-Perez	Universidad Granada, Spain	Investigation of the molecular mechanisms of retrotransposon silencing at the post-transcriptional level in human – concept building and initial studies
Valery Zayat	Polish	The Polish Academy of Sciences Warsaw, Poland	Magdalena Zernicka-Goetz	University of Cambridge, United Kingdom	Recapitulation of early events of human peri-implementation development by creating a model of human embryogenesis with the use of stem cells in a chemically-defined 3D culture conditions without destroying embryos
Krystyna Zyzynska-Galenska	Polish	The Polish Academy of Sciences Warsaw, Poland	Silvia Muñoz-Descalzo	Instituto Universitario de Investigaciones Biomédicas y Sanitarias Las Palmas de Gran Canaria, Spain	Role of Wnt/beta-catenin in the three-dimensional cell distribution during cell fate decision in early mouse embryos
José Eduardo Araújo	Portuguese	Universidade NOVA de Lisboa Lisbon, Portugal	Janne Lethio	Karolinska Institutet Stockholm, Sweden	Insight in peritoneal fibrosis by analysis of the peritoneal dialysis effluent by HiRIEF (high-resolution peptide isoelectric focusing) and TMT (tandem mass tags) proteomics and peptidomics
Joana Gaifem	Portuguese	Universidade do Minho Braga, Portugal	Alexander Mosig	University Hospital Jena, Germany	Deciphering the microbiome and metabolic factors contributing to protection against ulcerative colitis

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Sofia Gomes	Portuguese	Leiden University, Netherlands	Gerhard Gebauer	University Bayreuth, Germany	Natural abundance of carbon and nitrogen stable isotopes of fungal guilds
Cátia Janota	Portuguese	University of Lisbon, Portugal	Pablo Vargas	Institut Curie Paris, France	The impact of confinement on cell architecture during migration
Carla Lopes	Portuguese	Instituto Gulbenkian de Ciência Oeiras, Portugal	Susana Godinho	Queen Mary University of London, United Kingdom	Establishment of 3D human culture systems to investigate the causes and consequences of centrosome amplification in Barrett's esophagus tumorigenesis
Cátia Monteiro	Portuguese	Centro Nacional de Investigaciones Oncológicas (CNIO) Madrid, Spain	Elizabeth Moyal	Cancer Research Center Toulouse, France	Molecular regulation of microenvironment-dependent radiation resistance in brain metastasis
Daniela Pinto	Portuguese	Technische Universität Dresden, Germany	Rute da Fonseca	University Copenhagen, Denmark	Divergent evolution and horizontal gene transfer in the extracytoplasmic function sigma factor protein family
Susana Rocha	Portuguese	Katholieke Universiteit Leuven, Belgium	Rodrigo Barderas	Instituto de Salud Carlos III-ISCIII Majadahonda, Spain	Matrix mechanics driving cancer progression
Ana Cláudia Silva	Portuguese	University of Castilla-La Mancha Ciudad Real, Spain	Sebastian Eves-Van Den Akker	University of Cambridge, United Kingdom	Epigenetic changes during the formation and maintenance of galls, by the root-knot nematode <i>Meloidogyne javanica</i>
Aleksandra Kornienko	Russian	Gregor Mendel Institute of Molecular Plant Biology Vienna, Austria	Igor Ulitsky	Weizmann Institute of Science Rehovot, Israel	Mapping lncRNAs in hundreds of <i>A.thaliana</i> natural accessions and investigating the role of transposable elements in their variation
Anastasia Shchegolikhina	Russian	Politecnico di Milano Milano, Italy	Sabine Rolland Du Roscoat	University of Grenoble Saint-Martin-d'Hères, France	X-ray microtomography study of a biofilm growth within 3D-printed copy of a soil pore network
Jakub Kraus	Slovak	Masaryk University Brno, Czech Republic	Mats Fredrikson	Uppsala University, Sweden	Gaba, glutamate, and brain function
Dominika Kubalová	Slovak	Slovak Academy of Sciences Bratislava, Slovakia	Anne-Claude Gavin	EMBL Heidelberg, Germany	The role of oxysterol-binding homology protein Osh6 in the transport of anionic phospholipid phosphatidylglycerol
Martina Gobec	Slovenian	University of Ljubljana Ljubljana, Slovenia	Gerd Bendas	Universität Bonn, Germany	Evaluation of Bax inhibition and degradation as a possible therapeutic approach
Ainhoa Alberro Garitano	Spanish	BioDonostia Health Research Institute San Sebastian, Spain	Johannes Grillari	University of Natural Resources & Life Sciences (BOKU) Vienna, Austria	Plasma extracellular vesicles in human aging: comparison of isolation methods, characterization and functional analysis of different vesicle subtypes
Elvira Alfaro Arnedo	Spanish	CIBIR - Center for Biomedical Research of La Rioja Logrono, Spain	Martin Wittenrath	Charité - Universitätsmedizin Berlin, Germany	The role of IGF1R in pneumococcal pneumonia

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Maria Isabel Alvarez-Mora	Spanish	Hospital Clínico Provincial Barcelona, Spain	Christian Gilissen	Radboud University Nijmegen, Netherlands	Implementation of DNA 'omic' technologies for the identification of disease causing variants in undiagnosed disorders
Erik Aostri	Spanish	University of the Basque Country Leioa, Spain	Gary Stephens	University Reading, United Kingdom	Characterization of the effect of non-psychoactive cannabinoids on hippocampal synapses
Jaione Arnaez	Spanish	Basque Center on Cognition Brain and Language, Spain	Aviv Mezer	Hebrew University Jerusalem, Israel	Macromolecular properties of human hippocampal subregions, age-related changes and associations with memory performance
Esther Arnaiz	Spanish	BioDonostia Health Research Institute San Sebastian, Spain	Adrian Harris	University of Oxford, United Kingdom	Identification and function of hypoxic non-coding RNA in renal carcinoma
Angeles Aroca Aguilar	Spanish	Instituto de Bioquímica Vegetal y Fotosíntesis (IBVF), Spain	Milos Filipovic	Institut de Biochimie et Génétique Cellulaires (IBGC) Bordeaux, France	Role of hydrogen sulfide in autophagy
Laura Arribas-Hernandez	Spanish	University Copenhagen, Denmark	Dorothee Staiger	University Bielefeld, Germany	Identification of mRNAs bound by specific N6-methyladenosine-binding proteins with key roles in plant developmental timing
Alexandra Atienza	Spanish	Universidad Autonoma Madrid, Spain	Stefano De Renzi	EMBL Heidelberg, Germany	Deciphering the role of the cubilin-amnionless complex in regulating Drosophila melanogaster nephrocyte morphology
Jesús Beltrán García	Spanish	University Valencia, Spain	Lluís Fajás Coll	University Lausanne, Switzerland	Epigenetics and immunosuppression in sepsis and septic shock. Potential use of histones and their PTMs as biomarkers for diagnosis and prognosis
Maria Benítez-Guijarro	Spanish	Center for Genomics and Oncology Research (GenyO) Granada, Spain	John Lacava	Rockefeller University New York, United States	Defining the interactome of human active LINE-1 retrotransposons in pluripotent cells: understanding how new LINE-1 insertions are epigenetically silenced during embryogenesis
Rebeca Berdún	Spanish	Universitat de Lleida Lleida, Spain	Craig Wheelock	Karolinska Institutet Stockholm, Sweden	Characterization of changes in CNS oxylipins levels during obesity
Paula Blanco Torres	Spanish	Centro Nacional de Biotecnología (CNB) Madrid, Spain	Dan Andersson	Uppsala University, Sweden	Prediction of antimicrobial peptide resistance in the opportunistic pathogen <i>Stenotrophomonas maltophilia</i>
Alfonso Blazquez-Castro	Spanish	Autonomous University of Madrid Madrid, Spain	Simonetta Grilli	Institute of Applied Sciences and Intelligent Systems Pozzuoli, Italy	Feasibility study of human cell electroporation by the pyroelectric effect of lithium niobate

EMBO Short-Term Fellowships awarded in 2018

Name	Nationality	Home institute	Group leader	Host institute	Project
Alba Boix Amorós	Spanish	Universidad Politecnica Valencia, Spain	Marca Wauben	Utrecht University, Netherlands	Study of human and bacterial extracellular vesicles from human breastmilk in healthy and mastitis-suffering women
María Del Mar Bonillo Lamolda	Spanish	Center for Genomics and Oncology Research (GenyO) Granada, Spain	Jose Guerrero	University of Cambridge, United Kingdom	Validation of disease human models derived from Bernard-Soulier syndrome patients with mutations in GP9 gene and their subsequent correction by gene therapy
Cristina Bueno	Spanish	Universidad Complutense de Madrid (UCM) Madrid, Spain	Linette Willemsen	Utrecht University, Netherlands	Interaction of 2S albumin allergens with intestinal epithelial cells (IECs) as a model in allergy development
Ricardo Calderón González	Spanish	Instituto De Investigación Marqués De Valdecilla Santander, Spain	Elsa Anes	University of Lisbon, Portugal	Role of cathepsins during Mycobacterium tuberculosis-HIV co-infection
Pedro Carmona-Saez	Spanish	Center for Genomics and Oncology Research (GenyO) Granada, Spain	Julio Saez-Rodriguez	RWTH University Aachen, Germany	Deciphering regulatory networks in systemic lupus erythematosus
Mar Carrión Caballo	Spanish	Complutense University of Madrid (UCM) Madrid, Spain	Elena Neumann	Justus-Liebig-Universität Giessen, Germany	The role of the VIP/receptors axis in rheumatoid arthritis bone remodeling
Javier Casares Arias	Spanish	Centre for Molecular Biology 'Severo Ochoa' Madrid, Spain	Juan Martin Serrano	King's College London, United Kingdom	ESCRT machinery in midbody remnant inheritance in epithelial cells
José Carlos Castillo-Sánchez	Spanish	Complutense University of Madrid (UCM) Madrid, Spain	Sergi Garcia-Manyes	King's College London, United Kingdom	Looking through the physical forces that maintain lung surfactant as highly packed membrane complexes
Tania Cid Díaz	Spanish	Universidade Santiago de Compostela, Spain	Ainhoa Mielgo	University of Liverpool, United Kingdom	Assessment of obestatin/GPR39 system as a regulator of skeletal muscle mass in pancreatic cancer-associated cachexia
Inmaculada Coletto	Spanish	University of the Basque Country Leioa, Spain	Rodrigo Gutierrez	Pontifical Catholic University of Chile Santiago de Chile, Chile	Identification of novel ammonium-responsive genes in Arabidopsis thaliana using RNA-seq analysis
Sandra De La Fuente Ruiz	Spanish	Institut de Recerca Biomèdica Lleida, Spain	Sven Hendrix	University Hasselt, Belgium	Generation of genetically engineered cells to stimulate neuroprotection and neurodegeneration in neurodegeneration
Marc De Manuel	Spanish	Universitat Pompeu Fabra Barcelona, Spain	Tom Gilbert	University Copenhagen, Denmark	The evolutionary history of lions based on ancient whole-genome sequences
Irene Del Hierro García	Spanish	Centro de Biotecnología y Genómica de Plantas Madrid, Spain	Julia Santiago Cuellar	University Lausanne, Switzerland	Structural characterization of pattern recognition receptors/glycan ligands complexes regulating plant immune responses
Judit Domingo Prim	Spanish	Stockholm University, Sweden	Pablo Huertas	CABIMER Sevilla, Spain	The role of EXOSC10 and DIS3 in resection of DNA double-strand breaks

EMBO Short-Term Fellowships awarded in 2018

Name	Nationality	Home institute	Group leader	Host institute	Project
Carlos Durántez	Spanish	University Valladolid, Spain	Clara Prats	University Copenhagen, Denmark	High resolution respirometry mitochondrial measurements in isolated skeletal muscle fibers
Cristina Egido Turrión	Spanish	Universidad de Salamanca, Spain	Angela Bradshaw	University of Glasgow, United Kingdom	Development of viral vectors as gene therapy for the rare disease: hereditary hemorrhagic telangiectasia
Beatriz Escudero Pérez	Spanish	Heinrich Pette Institute Hamburg, Germany	Benjamin TenOever	Mount Sinai School of Medicine New York, United States	Evaluation of interferon role in bat xenochimeric mice infected with Marburg virus
Pau B. Esparza-Moltó	Spanish	Universidad Autonoma Madrid, Spain	Gerald S. Shadel	Salk Institute for Biological Studies La Jolla, United States	Neuronal specificity of mitochondrial stress signaling
David Esteve-Bruna	Spanish	Instituto de Biología Molecular y Celular de Plantas Valencia, Spain	Moussa Benhamed	Institute of Plant Sciences Paris - Saclay Orsay, France	Regulation of RNA Pol II activity by DELLA-prefoldin-Paf1c in Arabidopsis
Ana Falcon	Spanish	Centro Nacional de Biotecnología (CNB) Madrid, Spain	Jose Jalife	University of Michigan Ann Arbor, United States	Cardiac Purkinje cells infection by pathogenic influenza virus
Ángela Fernández Iglesias	Spanish	University Oviedo, Spain	Henry Morris Kronenberg	Massachusetts General Hospital Boston, United States	Roles of PTH in regulating pace and stage of differentiation of cells of the osteoblast lineage
Cristina María Fernández-Díaz	Spanish	University Valladolid, Spain	Patrik Rorsman	University of Oxford, United Kingdom	Role of IDE protein (Insulin Degrading Enzyme) on pancreatic hormones secretion
Maria Desamparados Ferrer	Spanish	The Foundation for the Promotion of Health and Biomedical Research Valencia, Spain	Oscar Kuipers	University Groningen, Netherlands	Bacteriocin gene clusters in Streptococcus dentisani: regulation, identification, production and characterization of novel antimicrobials to inhibit ESKAPE pathogens
Anais Franco Romero	Spanish	Università di Padova, Italy	Sharon Tooze	Francis Crick Institute London, United Kingdom	Dissecting the role of an orphan gene in autophagy, a new FoxO-dependent regulator of muscle mass
Carlos Galán	Spanish	Centro Nacional de Investigaciones Cardiovasculares (CNIC) Madrid, Spain	James Donald McCully	Children's Hospital Boston Boston, United States	Mitochondrial transplantation for ischemia reperfusion injury
Juan Manuel García Arcos	Spanish	Institut Curie Paris, France	Stefan Wieser	ICFO – The Institute of Photonic Sciences Castelldefels, Spain	Super-resolution imaging of cortex dynamics in amoeboid migrating cancer cells
Marta García León	Spanish	Centro Nacional de Biotecnología (CNB) Madrid, Spain	Nathalie Leonhardt	Aix-Marseille Université Marseille, France	AtALIX mediated regulation of stomatal dynamics in response to hydric stress

EMBO Short-Term Fellowships awarded in 2018

Name	Nationality	Home institute	Group leader	Host institute	Project
Laura García Mendivil	Spanish	Universidad Zaragoza, Spain	Ivo Lambrichts	University Hasselt, Belgium	Molecular and histological characterization of human age-related cardiac remodeling by second harmonic generation and multiplex immunohistochemistry
Nuria García-Díaz	Spanish	Instituto De Investigación Marqués De Valdecilla Santander, Spain	David Gomez-Matallanas	University College Dublin, Ireland	Dissecting the malignant signaling axes driving the development and progression of cutaneous T cell lymphoma and Merkel cell carcinoma. A proteomic approach for diagnosis and therapy
Álvaro García	Spanish	University of Malaga, Spain	Clara Sanchez Rodríguez	ETH Zurich, Switzerland	Unraveling the mechanism of TTLs proteins in cellulose biosynthesis
Galo Goig	Spanish	Instituto de Biomedicina de Valencia (IBV) Valencia, Spain	Nicola Segata	University Trento, Italy	Towards strain-level resolution of lung microbiota interactions during tuberculosis disease
Yolanda Elisabet González Flores	Spanish	Centro Andaluz de Biología del Desarrollo (CABD) Sevilla, Spain	Marc Wösten	Utrecht University, Netherlands	Flagella and pili microscopy and motility studies in <i>Sphingopyxis granuli</i> strain TFA in aerobic and anaerobic conditions
Elena Gonzalez Gobartt	Spanish	Instituto de Biología Molecular de Barcelona (IBMB) Barcelona, Spain	Bertrand Benazeraf	Université Paul Sabatier Toulouse, France	In vivo imaging of secondary neurulation and associated neural tube defects
Lucía González Rodríguez	Spanish	Instituto de Investigación Biomédica A Coruña, Spain	Christoph Borchers	University Victoria, Canada	Application of an iMALDI method for the validation of cartilage-related biomarkers in clinical samples
Carolina Gutierrez Repiso	Spanish	Hospital Universitario Virgen de la Victoria Malaga, Spain	Valentina Tremaroli	University Gothenburg, Sweden	Changes in gut microbiota in obese subjects after biliopancreatic diversion surgery and its association with changes in metabolic and inflammatory parameters
Cristina Herencias	Spanish	Centro de Investigaciones Biológicas (CIB / CSIC) Madrid, Spain	Aljoscha Wahl	University of Technology Delft, Netherlands	Determination of the path network wiring fatty acid metabolism in the predatory bacterium <i>Bdellovibrio bacteriovorus</i>
Carla Huerta-López	Spanish	Centro Nacional de Investigaciones Cardiovasculares (CNIC) Madrid, Spain	Gordana Vunjak-Novakovic	Columbia University New York, United States	Novel protein scaffolds to guide maturation of stem cell-derived cardiomyocytes
Isaac Hurtado Guerrero	Spanish	University of Malaga, Spain	Shohreh Issazadeh-Navikas	University Copenhagen, Denmark	Soluble interferon beta receptor in Parkinson's disease and its role in the modulation of interferon beta in a neuroinflammatory context
Elías Hurtado-Gaitán	Spanish	University of Alicante Alicante, Spain	James Hartwell	University of Liverpool, United Kingdom	Exploration of Phosphoenolpyruvate Carboxylase Kinase (PEPC-K) as a regulator of carbon flow towards phenylpropanoid-stilbenoid pathways in grapevine (<i>Vitis vinifera</i>)

EMBO Short-Term Fellowships awarded in 2018

Name	Nationality	Home institute	Group leader	Host institute	Project
Jon Lapeyra	Spanish	University of the Basque Country Leioa, Spain	Tom Gilbert	University Copenhagen, Denmark	Contrasting the gut microbiome of wild and farmed fish species from the Biscay Bay (technique optimisation and scientific collaboration)
Oriol Llorà	Spanish	Instituto de Salud Global de Barcelona Barcelona, Spain	Jake Baum	Imperial College London, United Kingdom	A conditional over-expression system to decipher sexual conversion in malaria parasites
Patricia Llorente	Spanish	Centre for Molecular Biology 'Severo Ochoa' Madrid, Spain	James Adjaye	Heinrich Heine University Düsseldorf, Germany	Study of the lysosomal function and its repercussion on APP processing / metabolism in SAD patients iPSc-derived neurons
Moisés Maestro	Spanish	Centro Nacional de Biotecnología (CNB) Madrid, Spain	Eri Sakata	MPI für Biochemie Martinsried, Germany	The chaperone-mediated ubiquitin proteasome degradation system (CUPS): a structural analysis of the interaction of the Hsp70: substrate complex with the proteasome
Juan Manuel Martí Martín-Consuegra	Spanish	Instituto de Parasitología y Biomedicina 'López-Neyra' (IPBLN) Granada, Spain	Ester Hammond	University of Oxford, United Kingdom	Involvement of PARP-1 in replicative stress during early hypoxia
María Carmen Martín-Buro	Spanish	Universidad Complutense de Madrid (UCM) Madrid, Spain	Bernhard Staesina	University of Birmingham, United Kingdom	Multimodal decoding of episodic memory reactivation in humans: from single-cells to whole brain interactions
Aranzazu Martínez De Marañón Peris	Spanish	University Valencia, Spain	Luca Scorrano	Università di Padova, Italy	Study of the influence of the OPA1 protein on glucose and insulin metabolism in type 2 diabetes
Patricia Mendoza Garcia	Spanish	University Gothenburg, Sweden	Uwe Irion	MPI für Entwicklungsbiologie Tübingen, Germany	In vivo characterization of ALKALs and their receptors in neural crest and neuroblastoma development
Miriam Merenciano	Spanish	Institute of Evolutionary Biology (IEB) Barcelona, Spain	Michael Boutros	Deutsches Krebsforschungszentrum (DKFZ) Heidelberg, Germany	Deciphering the phenotypic effect of putatively adaptive transposable elements using CRISPR genome engineering
Miguel Merlos	Spanish	Mendel University Brno, Czech Republic	María Luz Martínez Chantar	CIC bioGUNE Derio, Spain	Metallothionein-2 as a metabolism regulator altering chemotherapeutic efficiency
Andrés Miguel-Arribas	Spanish	Universidad Autonoma Madrid, Spain	Jeff Errington	Newcastle University, United Kingdom	Unravelling the molecular mechanism of a novel antitermination system that is widespread on conjugative plasmids of gram-positive bacteria

EMBO Short-Term Fellowships awarded in 2018

Name	Nationality	Home institute	Group leader	Host institute	Project
Elisa Millana Fananas	Spanish	Università Pavia, Italy	Annalisa Pastore	King's College London, United Kingdom	Structural study of NOX5 regulatory domain and its interaction with the catalytic domain by NMR
Ana Monteagudo Sánchez	Spanish	Universitat de Barcelona Barcelona, Spain	Maria-Elena Torres-Padilla	Helmholtz Zentrum München, Germany	Using dCas9-fusions to address the role of Zinc-finger KRAB-domain containing proteins in the protection of oocyte-derived methylation during embryonic reprogramming
Cristina Monterrubio Martin	Spanish	University Aberswyth, United Kingdom	Paolo Annicchiarico	Consiglio per la Ricerca in Agricoltura e l'Analisi dell'Economia Agraria Lodi, Italy	Identification of quantitative trait loci (QTLs) controlling response to drought and re-hydration in white clover (<i>Trifolium repens</i>)
Beatriz Moreno Ruiz	Spanish	University of Castilla-La Mancha Albacete, Spain	Tatiana Korotkova	MPI für Stoffwechselforschung Köln, Germany	Oscillatory activity in hypothalamus during different phases of feeding-related behaviors
Virginia Morera-Pujol	Spanish	Universitat de Barcelona Barcelona, Spain	Janine B. Illian	University St Andrews, United Kingdom	Using innovative Bayesian methods to investigate fine-scale processes affecting spatial distribution of seabirds: a metapopulation approach
Noelia Munoz-Martín	Spanish	Centro Nacional de Investigaciones Cardiovasculares (CNIC) Madrid, Spain	David Sedmera	Charles University in Prague Prague, Czech Republic	Characterization of the electrical activity in <i>meis1</i> flox/flox; <i>meis2</i> flox/flox; α MHC-CREwt/- fetal hearts by optical mapping technology
Luna Peláez Noelia	Spanish	CABIMER Sevilla, Spain	Valentina Massa	University of Milan Milan, Italy	Analysis of the interaction of bromodomain BET proteins with the Cornelia de Lange-associated factor Nipbl
Carlos Núñez Otero	Spanish	Umeå University, Sweden	Dagmar Heuer	Robert-Koch-Institut Berlin, Germany	Use photo-affinity probes to identify the target of anti-Chlamydia compounds in isolated inclusions
Anna Palle Lopez	Spanish	Cajal Institute Madrid, Spain	Pablo Chamero	University of Tours Tours, France	Study of the role of vomeronasal sensory signaling in the establishment of aggression-induced social dominance
Paul Palmquist-Gomes	Spanish	University of Malaga, Spain	Sigolène Meilhac	Institut Pasteur Paris, France	Reparative and pro-regenerative mechanisms in the vertebrate embryonic heart
Iván Parra Izquierdo	Spanish	University Valladolid, Spain	Adrian H. Chester	Imperial College London, United Kingdom	Side-specific effects of interferons in aortic valve endothelial cells
Pedro Pastor	Spanish	Centre for Research in Agricultural Genomics (CRAG) Cerdanyola del Vallès, Spain	Antía Rodríguez Villalón	ETH Zurich, Switzerland	Spatial analyses of the architecture of the SAS regulatory network

EMBO Short-Term Fellowships awarded in 2018

Name	Nationality	Home institute	Group leader	Host institute	Project
Patricia Pérez Ramírez	Spanish	Centro Nacional de Biotecnología (CNB) Madrid, Spain	Santiago González	Institute for Research in Biomedicine Bellinzona, Switzerland	In vivo characterization of distinct neutrophil subtype responses after infection with vaccinia virus
Rosario Prados Carvajal	Spanish	CABIMER Sevilla, Spain	Neus Visa	Stockholm University, Sweden	Exploring the connection between DNA repair and RNA editing
Sara Ramírez	Spanish	Institut D'Investigacions Biomèdiques August Pi i Sunyer (IDIBAPS) Barcelona, Spain	Carmen Sandi	Swiss Federal Institute of Technology Lausanne, Switzerland	Investigating the link between brain insulin resistance and the development of cognitive and mood disorders in the context of obesity and T2D
Facundo Neuhen Ramos Ochoa	Spanish	Universidad de Salamanca, Spain	Fabrizio d'Adda di Fagagna	Istituto FIRC Milano, Italy	CRISPR-Cas targeting damage-induced long non-coding RNAs as a novel tool to modulate the DNA damage response in mammalian cells
Consuelo Ripoll	Spanish	Universidad Granada, Spain	Michela Alessandra Denti	University Trento, Italy	High-throughput screening of metabolic targets and antitumoral metabolic drug candidates for breast cancer diagnosis and therapy
Lucía Robado De Lope	Spanish	Centro Nacional de Investigaciones Oncológicas (CNIO) Madrid, Spain	Richard Mark White	Memorial Sloan-Kettering Cancer Center New York, United States	Identification of novel mechanisms involved in tumor-adipose tissue crosstalk during melanoma metastasis
Rita Mariana Robles Picó	Spanish	Instituto de Neurociencias San Juan de Alicante, Spain	Menno Witter	Norwegian University of Science & Technology (NTNU) Trondheim, Norway	Analyzing the structure and function of the neuronal microcircuits of the retrosplenial cortex
Jeronimo Rodríguez-Beltrán	Spanish	Cajal Institute Madrid, Spain	David Bikard	Institut Pasteur Paris, France	CRISPRi targeting: using CRISPR-mediated gene silencing to combat antimicrobial resistance
Judith Rodríguez	Spanish	Institut de Recerca de l'Hospital de la Santa Creu i Sant Pau Barcelona, Spain	Michelle Buckner	University of Birmingham, United Kingdom	Anti-plasmid natural compounds to combat antimicrobial resistance
Maria Saigi	Spanish	PEBC L'Hospitalet de Llobregat (Barcelona), Spain	David A. Barbie	Dana-Farber Cancer Institute Boston, United States	Contribution of MET genetic alterations in lung cancer immunosurveillance capability, using derived organotypic tumour spheroids
Pablo San Segundo Acosta	Spanish	Universidad Complutense de Madrid (UCM) Madrid, Spain	Peter Nilsson	Royal Institute of Technology Stockholm, Sweden	Identification of new protein biomarkers in the serum and CSF of Alzheimer's Disease patients using protein microarrays
Fátima Sánchez Barreiro	Spanish	University Copenhagen, Denmark	Tomas Marques-Bonet	Universitat Pompeu Fabra Barcelona, Spain	The genomic consequences of near extinction in the black rhinoceros (<i>Diceros bicornis</i> L.)

EMBO Short-Term Fellowships awarded in 2018

Name	Nationality	Home institute	Group leader	Host institute	Project
Laura Sanchez	Spanish	Universitat Autònoma de Barcelona Barcelona, Spain	Ario De Marco	University of Nova Gorica Vipava, Slovenia	Identification of novel CXCR4 ligands for cell-targeted nanomedicines of metastatic cancer
Laura Saucedo-Cuevas	Spanish	Vrije Universiteit Brussels, Belgium	Gavin Kelsey	Babraham Institute Cambridge, United Kingdom	Epigenetic safety assessment in mouse blastocysts derived from in vitro follicle culture
Jorge Simón	Spanish	CIC bioGUNE Derio, Spain	Andreas Bikfalvi	University of Bordeaux Bordeaux, France	Modulating angiogenesis by targeting NEDDylation
Miguel Simon	Spanish	Universitat Autònoma de Barcelona Barcelona, Spain	Asaph Aharoni	Weizmann Institute of Science Rehovot, Israel	Omics and imaging approaches to unveil the roles of PIF1a during tomato fruit ripening
Sergi Taboada	Spanish	Natural History Museum London, United Kingdom	Tomasz Suchan	The Polish Academy of Sciences Warsaw, Poland	Developing and implementing hyRAD (hybridization capture using RAD probes) on a key deep-water sponge from the North Atlantic
Rebeca Torregrosa Carrión	Spanish	Centro Nacional de Investigaciones Cardiovasculares (CNIC) Madrid, Spain	Didier Stainier	Max-Planck-Institut für Herz- und Lungenforschung Bad Nauheim, Germany	Signaling downstream of Notch in heart development: role of Gpr126
Covadonga Vara González	Spanish	Universitat Autònoma de Barcelona Cerdanyola, Spain	Irene Tiemann-Boege	Johannes Kepler University Linz, Austria	Exploring active recombination hotspots via sperm-typing in house mice natural populations presenting different PRDM9 allelic diversity
Joana Vitallé	Spanish	Biocruces Bizkaia Health Research Institute Barakaldo, Spain	Sergi Padilla-Parra	Wellcome Trust Centre for Human Genetics Oxford, United Kingdom	Human CD300a receptor: a new target of Human Immunodeficiency Virus (HIV) to bind and infect host cells?
Aurélia Emonet	Swiss	University Lausanne, Switzerland	Paul Schulze-Lefert	MPI für Züchtungsforschung Köln, Germany	Impact of the rhizosphere community on flg22-hypersensitive Arabidopsis thaliana lines
Shang-Te Danny Hsu	Taiwanese	Academia Sinica Taipei, Taiwan	Friedrich Förster	Utrecht University, Netherlands	Visualizing how mitochondrial nanomachines response to stress signals by cryoelectron tomography
Feyza Alyu Tekes	Turkish	Anadolu University Eskisehir, Turkey	Roberto Ciccocioppo	Università Camerino, Italy	Role of PPARgamma receptor in neuropathic pain: identification of new pharmacological strategies
Gizem Caliskan	Turkish	Cumhuriyet University Sivas, Turkey	Laszlo Tora	Institute of Genetics and Molecular and Cellular Biology (IGBMC) Illkirch, France	Structure/function studies of the ATAC histone acetyltransferase coactivator transcription complex
Yeliz Demirci	Turkish	Dokuz Eylül University Izmir, Turkey	Irene Papatheodorou	European Bioinformatics Institute Hinxton Cambridge, United Kingdom	Investigation of the genetic pathways in early and late stage brain regeneration using the zebrafish model

EMBO Short-Term Fellowships awarded in 2018

Name	Nationality	Home institute	Group leader	Host institute	Project
Ufuk Demirel	Turkish	Nigde Omer Halisdemir University Nigde, Turkey	Csaba Hornyik	The James Hutton Institute Invergowrie, United Kingdom	Investigation of molecular response mechanisms of potato against abiotic stress
Enis Hidisoglu	Turkish	Akdeniz University Antalya, Turkey	Andrea Marcantoni	Università Torino, Italy	Early alterations of hippocampal GABAergic synaptic properties induced by Abeta42 oligomers
Ozge Karadas	Turkish	Institute of Technology Izmir, Turkey	Laoise McNamara	National University of Ireland Galway, Ireland	The effect of mechanical signals on osteogenic differentiation of stem cells on paper scaffolds in a vibration/perfusion bioreactor
Burcu Nur Keceli	Turkish	Ghent University, Belgium	Frédéric Berger	Gregor Mendel Institute of Molecular Plant Biology Vienna, Austria	In vitro and in vivo interaction properties of the chromatin organizing factor heat intolerant 4 and centromeric histone 3
Melek Cemre Manav	Turkish	Aarhus University, Denmark	Lori A. Passmore	MRC Laboratory of Molecular Biology Cambridge, United Kingdom	Structural studies of a novel (p)ppGpp synthase enzyme SAS_RNaseH II from Mycobacterium fortuitum
Alp Ozgun	Turkish	Bogazici University Istanbul, Turkey	António Salgado	Universidade do Minho Braga, Portugal	Investigating molecular mechanisms of neural stem cell differentiation under the effect of extremely low frequency (ELF) magnetic fields
Filiz Senbabaoglu	Turkish	Koc University Istanbul, Turkey	Udo Oppermann	University of Oxford, United Kingdom	Identification of chromatin related genes regulating Temozolomide resistance in glioblastoma multiforme
Mehmet Yabas	Turkish	Trakya University Edirne, Turkey	Sebastian Herzog	Medical University Innsbruck, Austria	Deciphering the mechanism by which phospholipid flippase ATP11C controls early B cell development
Reyhan Yaka	Turkish	Middle East Technical University Ankara, Turkey	Anders Götherström	Stockholm University, Sweden	Development of an optimal ancient DNA capture method for samples with varying levels of preservation
Poonam Bheda	US-American	Helmholtz Zentrum München Neuherberg, Germany	Jane Mellor	University of Oxford, United Kingdom	Single-molecule analysis of transcriptional noise during gene induction and repression in yeast
Erika Urdaneta	Venezuelan	Humboldt University Berlin, Germany	Sander Granneman	University of Edinburgh, United Kingdom	Dissecting the infection RBPome of the major pathogens Salmonella Typhimurium and Staphylococcus aureus
Phong Nguyen	Vietnamese	Architecture et fonction des macromolécules biologiques Marseille, France	Carlos Tornero	Centro de Investigaciones Biológicas (CIB / CSIC) Madrid, Spain	Structural insights into Ty1 and Ty3 yeast retrotransposons DNA integration mechanism(s) at genes transcribed by RNA Polymerase III

EMBO | EuropaBio Joint Fellowship awarded in 2018

Name	Nationality	Home institute	Group leader	Host institute	Project
Sarah Aitken	British	University of Cambridge, United Kingdom	Núria López-Bigas	Institute for Research in Biomedicine Barcelona, Spain	An integrated genomic and epigenomic analysis of Ctf hemizygosity in physiology and chemical carcinogenesis
Ondřej Mikula	Czech	Academy of Sciences of the Czech Republic Prague, Czech Republic	Daniel Falush	University Bath, United Kingdom	History of speciation and admixture in Ethiopian rodents
Bálint Mészáros	Hungarian	Eötvös Loánd University Budapest, Hungary	Toby Gibson	EMBL Heidelberg, Germany	MIMIC: mapping integrin mediated interactions
Regis Correa	Portuguese	Instituto de Biología Molecular y Celular de Plantas Valencia, Spain	David Baulcombe	University of Cambridge, United Kingdom	The role of plant virus-acquired adaptations on host epigenetic responses: a systems biology integrative view

EMBO Short-Term Fellowships 2018: Geographical distribution

Applications

To	From*	Austria	Belgium	Croatia	Czech Republic	Denmark	Estonia	Finland	France	Germany	Greece	Hungary	Iceland	India (A)	Ireland	Israel	Italy	Lithuania	Luxembourg	Malta	Montenegro	Netherlands	Norway	Poland	Portugal	Singapore (A)	Slovak Republic	Slovenia	Spain	Sweden	Switzerland	Turkey	United Kingdom	EMBL	Eastern Europe	USA / Canada	Others	Total	
Austria			2		1			1						1		2						1							6			1	1						16
Belgium									1					2			3					2		2	1				5				1						17
Croatia																	1																						1
Czech Republic														2			1												1										4
Denmark									1					1		2	2												6		1		2						15
Estonia																								1															1
Finland									1					3			1						1						2			1				1			10
France			2		1	1			1		1			6			6					1		2	2				19			2	4				1	2	51
Germany		2		1		2			3		1			9	1	1	9		1			3			3				2	19	3	1	1	8				4	74
Greece			1																																				1
Hungary																																							
Iceland																																							
India (A)																																							
Ireland														2															2	1		1						2	8
Israel		2										1		3								1							3		1		3						14
Italy									1	2				3								1		2	1				9		1	2	2				2	26	
Lithuania																																							
Luxembourg																																							
Malta														1																									1
Montenegro																																							
Netherlands		1	1			1					1			5		1	2												9				1				1	23	
Norway						1																1			1				3				1						7
Poland																																	1						1
Portugal						1			1					1			1					1							3			1						3	12
Singapore (A)				1					1					1			2													1									6
Slovak Republic																																							
Slovenia																	1												1										2
Spain		2	3		1	1		1	2	2				1	1		3							3						3			3	1				2	29
Sweden					3	1	1		1	1				1	1							1		2	1				7			1	4						25
Switzerland		4			2	1			1			1		1		2	2							1	1				1	12				2			1		32
Turkey															1																								1
United Kingdom			5	1	2	5		1	2	15	1	2		8		2	24					3		2	2				1	40	2	1	4				1	3	127
EMBL						2					1			1			1										1		1			1							8
Eastern Europe																																							
USA / Canada		1				2			3	7	1	1		2	4		9					2		1					38				1					1	73
Others			1						2	1				1											1				4				3						13
Total		12	15	3	10	18	1	3	13	33	8	6		56	7	10	68		1			17	1	16	13		1	4	190	10	5	15	37	1	1	3	20	598	

* "From" refers to home institute (see list on pages 46–72)

EMBO Short-Term Fellowships 2018: Geographical distribution

Awards

To	From*	Austria	Belgium	Croatia	Czech Republic	Denmark	Estonia	Finland	France	Germany	Greece	Hungary	Iceland	India (A)	Ireland	Israel	Italy	Lithuania	Luxembourg	Malta	Montenegro	Netherlands	Norway	Poland	Portugal	Singapore (A)	Slovak Republic	Slovenia	Spain	Sweden	Switzerland	Turkey	United Kingdom	EMBL	Eastern Europe	USA / Canada	Others	Total
Austria			2					1						1	2													2			1	1						10
Belgium																2					2		2					3			1	1						10
Croatia																																						
Czech Republic														2			1											1										4
Denmark									1				1				2											4				2						10
Estonia																							1										2					1
Finland										1							1						1															3
France		2			1					1				5			4					1		2	1				9			1	4					31
Germany		2		1	1			2						5	1		5					3			1			2	9	3	1		6					42
Greece																																						
Hungary																																						
Iceland																																						
India (A)																																						
Ireland														1															1		1							3
Israel		2												2								1						2		1	2							10
Italy										1	1			1								1		2					6		2	1						15
Lithuania																																						
Luxembourg																																						
Malta																																						
Montenegro																																						
Netherlands		1	1			1					1			4		1	2												6				1				1	19
Norway						1																1							1				1					4
Poland																																	1					1
Portugal														1															1			1						3
Singapore (A)										1				1			1													1								4
Slovak Republic																																						
Slovenia																													1									1
Spain			3		1	1			2	1					1		2							3						2			1					17
Sweden					3		1			1	1					1						1		1	1				5			1	2					18
Switzerland		2			2	1			1					1		1	2							1					6				2					19
Turkey																																						
United Kingdom			5			2		1	2	12	1	2		5		1	15					1		2	2				20	1	1	2					2	77
EMBL						1					1			1			1										1		1			1						7
Eastern Europe																																						
USA / Canada						1			3	2					2		3					1							1	1								24
Others									1																				1				2					4
Total		7	13	1	6	10	1	2	11	21	5	2		31	5	5	41					12	1	14	5		1	2	90	7	3	10	28			3	337	

* "From" refers to home institute (see list on pages 46–72)

EMBO Young Investigators

www.embo.org/funding-awards/young-investigators

yip@embo.org

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

Gerlind Wallon
Programme Head

EMBO Young Investigators 2018

Name	Nationality	Institute	Research interest	Country
Vaishnavi Ananthanarayanan	Indian	Indian Institute of Science, Bangalore	Quantitative biology of the cytoskeleton and associated proteins	IN
Tom Baden	German	University of Sussex, Brighton	Evolution of feature computation in the vertebrate retina	UK
Emmanuelle Bayer	French	Laboratory of Membrane Biogenesis CNRS-UMR, Villenave d'Ornon	The function of membrane tethering in plant intercellular communication	FR
David Bikard	French	Institut Pasteur, Paris	Studying and fighting pathogenic bacteria with the help of CRISPR	FR
Mathieu Brochet	French	University of Geneva	Signalling in malaria parasites	CH
Ross Chapman	British	University of Oxford	Mechanism and control of DNA repair in immunity and oncogenesis	UK
Polly Lei Lei Chen	Chinese	National University of Singapore	Understanding RNA editing in human cancer: Causes and functional consequences	SG
Alan Cheung	British	University College London	Molecular mechanisms of the transcriptional coactivator complexes SAGA and NuA4	UK
Sebastian Deindl	German	Uppsala University	Single-molecule and structural studies of ATP-dependent chromatin remodelling	SE
Xiaoqi Feng	Chinese	John Innes Centre, Norwich	Epigenetic reprogramming in plant germlines	UK
Meritxell Huch	Spanish	Gurdon Institute, University of Cambridge	Understanding liver regeneration and its implication in liver cancer	UK
Nicole Joller	Swiss	University of Zurich	Immune regulation through infection history	CH
Taco Kooij	Dutch	Centre for Molecular Life Sciences, Nijmegen	Unravelling malaria parasite organelles to inform intervention strategies	NL
Yanlan Mao	British	University College London	Mechanical regulation of tissue growth and regeneration	UK
Ivan Matic	Croatian	Max Planck Institute for Biology of Ageing, Cologne	ADP-ribosylation in DNA repair and ageing	DE

EMBO Young Investigators 2018

Name	Nationality	Institute	Research interest	Country
Hind Medyouf	French	Georg-Speyer-Haus, Institute for Tumor Biology and Experimental Therapy, Frankfurt	Role of the bone marrow microenvironment in hematopoietic malignancies	DE
Andrea Pauli	German	IMP, Vienna	Protein-based control - from fertilization through embryogenesis	AT
Martin Pilhofer	German	ETH Zurich	Multiscale models of macromolecular machines mediating cell-cell interactions	CH
Anthony Roberts	British	Birkbeck College, London	Building the cilium with ATP-driven molecular motors	UK
Nathalie Rochefort	French	University of Edinburgh	Neuronal processing of visual information in the mouse visual cortex	UK
Peter Sarkies	British	Imperial College, London	Transgenerational epigenetic inheritance and evolution	UK
Ziv Shulman	Israeli	Weizmann Institute of Science, Rehovot	Cellular dynamics of the antibody immune response	IL
Manuel Valiente	Spanish	Centro Nacional de Investigaciones Oncológicas, Madrid	Metastatic colonization of the brain	ES
Sven Van Teeffelen	German	Institut Pasteur, Paris	Physical cell biology of bacteria – cell shape, cell size and growth	FR
Julie Welburn	French	Wellcome Trust Centre, Edinburgh	Cooperation of microtubule motors, cargos and their tracks	UK
Hyun Youk	Canadian	University of Technology, Delft	Distinguishing long-term dormancy from death: Principles of restarting life	NL

Applications and awards 2014–2018

Country from*	Applications	% of total	Awards	Success rate %	% of total
Austria	26	2.5	8	30.8	6.2
Belgium	26	2.5	1	3.8	0.8
Croatia	3	0.3	0	0	0
Czech Republic	11	1.1	0	0	0
Denmark	21	2.0	0	0	0
Estonia	0	0	0	0	0
Finland	10	1.0	0	0	0
France	85	8.1	16	18.8	12.4
Germany	144	13.8	22	15.3	17.1
Greece	4	0.4	0	0	0
Hungary	4	0.4	0	0	0
Iceland	2	0.2	0	0	0
Ireland	8	0.8	0	0	0
Israel	39	3.7	7	17.9	5.4
Italy	50	4.8	3	6.0	2.3
Luxembourg	2	0.2	1	50	0.8
Netherlands	38	3.6	5	13.2	3.9
Norway	4	0.4	0	0	0
Poland	4	0.4	1	25.0	0.8
Portugal	38	3.6	0	0	0
Slovakia	1	0.1	0	0	0
Slovenia	0	0	0	0	0
Spain	78	7.5	6	7.7	4.7
Sweden	42	4.0	2	4.8	1.6
Switzerland	57	5.5	17	29.8	13.2
Turkey	6	0.6	0	0	0
United Kingdom	199	19.1	29	14.6	22.5
Cyprus	0	0	0	0	0
Singapore	26	2.5	7	26.9	5.4
Taiwan	10	1.0	1	10	0.8
India	98	9.4	3	3.1	2.3
Others	7	0.7	0	0	0
Total	1043		129		

EMBO Young Investigator Lectures 2018

Young Investigator	Conference	Location	Date
Ana Cvejic	19th Australia and New Zealand Zebrafish Meeting	AU-Wollongong	27 January–4 February
Bungo Akiyoshi	International Congress of Cell Biology 2018 (ICCB 2018)	IN-Hyderabad	27–31 January
Ana Jesus Garcia Saez	4th EACR Conference A Matter of Life or Death: From Basic Cell Death Mechanisms to Novel Cancer Treatments	NL-Amsterdam	1–3 February
Suzan Rooijackers	Keystone Symposia on Antibodies as Drugs: Translating Molecules into Treatments.	CA-Whistler, British Columbia	25 February–2 March
Manuel Thery	EMBO EMBL Symposium: Tissue Self-Organisation: Challenging the Systems	DE-Heidelberg	11–14 March
Ana Jesus Garcia Saez	SPACELL: São Paulo School of Advanced Sciences on Frontiers in Cell Biology	BR-São Paulo	15–25 March
Carmine Settembre	Autophagy: Basic Biology, Aging and Age-Related Diseases	IT-Via Giovanni Pascoli, Lucca (Barga)	18–23 March
Claudine Kraft	Autophagy: Basic Biology, Aging and Age-Related Diseases	IT-Via Giovanni Pascoli, Lucca (Barga),	18–23 March
Joanna Sułkowska	255th ACS National Meeting, Cyclic and Topologically Complex Polymer Symposium	US-New Orleans	18–22 March
Kristin Tessmar-Raible	2nd International FishMed Conference on Zebrafish Research, FishMed2018	PL-Warsaw	25–27 March
Filippo Del Bene	2nd International FishMed Conference on Zebrafish Research, FishMed2018	PL-Warsaw	25–27 March
Nolwenn Jouvenet	RNA viruses: Immunology, pathogenesis and translational opportunities	IN-New Delhi	28–30 March
Elena Seiradake	Big Questions in Biomedical Research	DE-Rottach-Egern	4–7 April
Ana Claudia Marques	EMBO workshop on Noncoding RNAs in Embryonic Development and Cell Differentiation	IL-Rehovot	8–11 April
Maria Luisa Cochella	Noncoding RNA	IL-Rehovot	8–11 April
Pere Roca-Cusachs	EMBO Workshop on Nuclear mechano-genomics	SG-Singapore	17–20 April
Magdalini Polymenidou	9th International Meeting on Unstable Microsatellites and Human Disease (UMHD9)	IT-Naples	21–26 April
Kristin Tessmar-Raible	2018 SRBR Biennial Meeting	US-Amelia Island, Florida	12–16 May
Magdalini Polymenidou	EMBO EMBL Symposium: Cellular Mechanisms Driven by Liquid Phase Separation	DE-Heidelberg	14–17 May
Lori Passmore	Pseudoenzymes 2018: From molecular mechanisms to cell biology (EMBO workshop)	IT-Cagliari	16–18 May

EMBO Young Investigator Lectures 2018

Young Investigator	Conference	Location	Date
Manuel Thery	EMBO EMBL Symposium: Microtubules: From Atoms to Complex Systems	DE-Heidelberg	27 – 30 May
Nicolas Plachta	Cell Polarity Signalling 2018 - The Role of Cell Polarity Networks in Development, Growth Control, and Regeneration	US-West Dover	2 – 9 June
Thomas Wollert	83rd Harden Conference: Autophagy - from Molecules to Disease II	GB-Chesford Grange, Warwickshire	3 – 7 June
Sonja Lorenz	The Ubiquitin System: Function, Physiology and its Role in Disease	BS-Nassau	3 – 6 June
Maria Luisa Cochella	EMBO Workshop - C. elegans development, cell biology and gene expression	ES-Barcelona	13 – 17 June
Hendrik Poeck	23rd Congress of European Hematology Association (EHA)	SE-Stockholm	14 – 17 June
Yogesh Kulathu	FASEB meeting, Ubiquitin and Cellular regulation	US-Colorado, Snowmass Village	17 – 22 June
Yue Wan	13th Microsymposium on Small RNAs	AT-Vienna	18 – 20 June
Diego Pasini	When and Where: temporal and spatial regulation of biological processes	IT-Rome	20 – 22 June
Gaëlle Legube	Chromatin Structure and Function	US-Newry, Maine	22 – 27 June
Lori Passmore	2018 FASEB SRC: Post-transcriptional Control of Gene Expression: Mechanisms of RNA Decay	US-Scottsdale, Arizona	24 – 29 June
Marek Basler	Gordon Research Conference on Bacterial Cell Surfaces	US-Mount Snow, West Dover	24 – 29 June
Jochen Rink	7th Euro Evo Devo (EED) meeting – “Evolution of regeneration in Metazoa” symposium	IE-Galway	26 – 29 June
Igor Ulitsky	EMBO Workshop: RNA: Structure meets function	SE-Stockholm	1 – 4 July
Sebastian Hiller	Gordon Research Seminar (GRS) and Conference (GRC) “Mitochondria and Chloroplasts”	IT-Lucca	7 – 13 July
Yuki Nakamura	The 23rd International Symposium on Plant Lipids (ISPL2018)	JP-Yokohama	8 – 13 July
Paola Picotti	In-situ methods in cell biology and biophysics	DE-Berlin	26 – 28 July
Bungo Akiyoshi	GRC Centromere Biology: The Structure, Function and Evolution of Centromeres	US-Mount Snow	29 July – 3 August
Nicolas Plachta	2018 GRC on Mammalian Reproduction	IT-Lucca	29 July – 3 August
Ana Eulalio	2nd Argentine Meeting on Non-coding RNA Biology	AR-Buenos Aires	30 – 31 July
Ana Jesus Garcia Saez	2018 Gordon Research Conference/Gordon Research Seminar on Cell Death	US-Newry, Maine	4 – 10 August

EMBO Young Investigator Lectures 2018

Young Investigator	Conference	Location	Date
Nicolas Plachta	Santa Cruz Developmental Biology Meeting	US-Santa Cruz	11 – 15 August
Alessandro Vannini	ECM31 European crystallographic association	ES-Oviedo	22 – 27 August
Alvaro Rada-Iglesias	EMBL Conference: Transcription and Chromatin	DE-Heidelberg	25 – 28 August
Manuel Irimia	Neurofly, 17th European Drosophila Neurobiology Conference	PL-Krakow	3 – 7 September
Yogesh Kulathu	Finnish Symposium on Proteostasis in Health and Disease	FI-Helsinki	4 September
Jochen Rink	EMBO workshop on Size and Shape	IN-Bangalore	4 – 8 September
Yogesh Kulathu	EMBO workshop on Modularity of signaling proteins and networks	AT-Seefeld in Tirol	16 – 21 September
Sonja Lorenz	EMBO workshop on Modularity of signaling proteins and networks	AT-Seefeld in Tirol	16 – 21 September
Isabel Bäurle	FISV- Italian Federation for the Life Sciences - 2018 XV Congress	IT-Rome	18 – 21 September
Nicola Iovino	FISV- Italian Federation for the Life Sciences - 2018 XV Congress	IT-Rome	18 – 21 September
Lori Passmore	Complex life of RNA	DE-Heidelberg	3 – 6 October
Martin Jinek	Complex Life of RNA	DE-Heidelberg	4 – 6 October
Ana Cvejic	4th annual meeting of the Danish RNA Society	DK-Copenhagen	10 October
Kristin Tessmar-Raible	Wild Clocks Meeting 2018	DE-Seewiesen	16 – 18 October
Petra Hajkova	Molecular Mechanisms of Developmental and Regenerative Biology	SG-Singapore	10 – 13 November
Julien Vermot	Conférence Jacques Monod: Modelling Cell Fate	FR-Roscoff	19 – 23 November
Claire Wyart	20th EMBL PhD Symposium: Game Changers - Taking the Life Sciences to the Next Level	DE-Heidelberg	22 – 24 November
Martin Lenz	20th EMBL PhD Symposium: Game Changers - Taking the Life Sciences to the Next Level	DE-Heidelberg	22 – 24 November

EMBO Installation Grants

www.embo.org/funding-awards/installation-grants

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

Gerlind Wallon
Programme Head

EMBO Installation Grant Recipients 2018

Name	Nationality	Moving from	Moving to	Research interest
Ogun Adebali	Turkish	University of North Carolina, Chapel Hill, USA	Sabanci University, Istanbul, TR	Precise G protein-coupled receptor evolution in the context of genetic diseases
Serap Aksu	Turkish	Bilkent University, Ankara, TR	Koç University, Istanbul, TR	Exploring immune cell signalling in-situ and in real time
Claudia Bank	German	Gulbenkian Institute of Science, Oeiras, PT	Gulbenkian Institute of Science, Oeiras, PT	Fitness landscapes and the predictability of evolution
Sukru Anil Dogan	Turkish	MRC Mitochondrial Biology Unit, Cambridge, UK	Boğaziçi University, Istanbul, TR	ROS-mediated control of tissue-specific mitochondrial biogenesis
Serap Erkek	Turkish	Izmir Biomedicine and Genome Center, TR	Izmir Biomedicine and Genome Center, TR	Epigenetic regulation of bladder cancer
Anna Karnkowska	Polish	University of Warsaw, PL	University of Warsaw, PL	Evolution of phototrophy in eukaryotes
Serkan Kir	Turkish	Koç University, Istanbul, TR	Koç University, Istanbul, TR	Dissecting tumour-induced signalling pathways driving energy wasting
Lukasz Piatkowski	Polish	Institute of Physical Chemistry of the Polish Academy of Sciences, Warsaw, PL	Poznan University of Technology, PL	Biological water: The role of hydration in cell membrane organization
Martin Schwarzer	Czech	Institute of Microbiology, Czech Academy of Sciences, Prague, CZ	Institute of Microbiology, Czech Academy of Sciences, Prague, CZ	Deciphering the bacteria-driven host juvenile growth promotion
Michal Szymanski	Polish	Intercollegiate Faculty of Biotechnology of University of Gdansk and Medical University of Gdansk, PL	Intercollegiate Faculty of Biotechnology of University of Gdansk and Medical University of Gdansk, PL	Structural basis for DNA repair in human mitochondria

EMBO Courses & Workshops

www.embo.org/funding-awards/courses-workshops

courses_workshops@embo.org

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

Gerlind Wallon
Programme Head

EMBO Courses | Workshops | Symposia 2018

	Title	Organizer	Location	Dates
Practical Courses 2018 EMBC Member States	Metabolomics bioinformatics for life scientists	R. Salek	UK-Cambridge	5–9 February
	Techniques for mammary gland research	M.D. Vivanco	DE-Heidelberg	4–9 March
	Advanced optical microscopy for cell biology	B. Amos	UK-Plymouth	4–14 April
	Molecular interrogation of single-cells to decipher population heterogeneity and plasticity	P. Ricciardi-Castagnoli	IT-Siena	6–12 April
	Extracellular vesicles: From biology to biomedical application	A. Hendrix	DE-Heidelberg	8–14 April
	Characterisation of post-translational modifications in cellular signalling	M.R. Larsen	DK-Odense	19–26 April
	Microbial metagenomics: A 360° approach	J.E. González-Pastor	DE-Heidelberg	23–30 April
	Computational molecular evolution	A. Stamatakis	GR-Heraklion	6–17 May
	Characterisation of macromolecular complexes by integrative structural biology	M. Marcia	FR-Grenoble	12–19 May
	iCLIP: Genomic views of protein-RNA interactions	E. Bechara	ES-Barcelona	3–9 June
	Advanced electron microscopy for cell biology	C. Stigloher	DE-Würzburg	12–22 June
	Quantitative proteomics: Strategies and tools to probe biology	J. Krijgsveld	DE-Heidelberg	17–22 June
	3D developmental imaging	G. Martins	PT-Oeiras	30 June–8 July
	Integrative modelling of biomolecular interactions	A. Bonvin	ES-Barcelona	2–6 July
	Light sheet microscopy	P. Tomancak	DE-Dresden	2–11 August

EMBO Courses | Workshops | Symposia 2018

	Title	Organizer	Location	Dates
Practical Courses 2018 EMBC Member States (continued)	Molecular geobiology	H. Sapers	DE-Heidelberg	26–31 August
	Microbial ecology: Hands-on training in prokaryotic and eukaryotic metagenomics (ICME-9)	D. Fontaneto	BE-Bruxelles	2–7 September
	Cryo-electron microscopy and 3D image processing methods	C. Sachse	DE-Heidelberg	2–10 September
	Membrane PEPC1 (Membrane Protein Expression Purification Characterization 1)	C. Löw	DE-Hamburg	10–18 September
	Correlative light electron microscopy	P. Verkade	UK-Bristol	23–28 September
	Tree building: Advanced concepts and practice of phylogenetic analysis	T.M. Embley	PT-Faro	24–29 September
	Phenotyping neurological syndromes for systems genetics	R. Krause	LU-Luxembourg	4–10 October
	Biomolecular interaction analysis 2018: From molecules to cells	F. Silva	PT-Porto	29 October–3 November
	Computational analysis of protein-protein interactions: Sequences, networks and diseases	A. Via	IT-Rome	5–10 November
	Targeted proteomics: Experimental design and data analysis	E. Sabidó	ES-Barcelona	11–16 November
	Solution scattering from biological macromolecules	D. Svergun	DE-Hamburg	19–26 November
Practical Courses 2018 EMBC Associate Member States	CEM3DIP 2018: of macromolecular assemblies and cellular tomography	R. Natesh	IN-New Delhi	18–29 March
Practical Courses 2018 Co-operation Partner Country	Developmental biology	J. Ewer	CL-Quintay	9–21 January
Workshops 2018 EMBC Member States	Exocytosis and endocytosis: From synaptic vesicles to nanodiscs	E. Karatekin	ES-Tenerife	16–20 January
	Optimizations and trade-offs in cell growth and survival	N. Barkai	IL-Rehovot	25–27 February
	Microglia 2018	C. Gross	DE-Heidelberg	18–21 March

EMBO Courses | Workshops | Symposia 2018

	Title	Organizer	Location	Dates
Workshops 2018 EMBC Member States (continued)	Noncoding RNAs in embryonic development and cell differentiation	I. Ulitsky	IL-Rehovot	8–11 April
	Perspectives on skin cancer prevention	G.P. Dotto	CH-Les Diablerets	8–11 April
	Integrating systems biology: From networks to mechanisms to models	P. Falter-Braun	DE-Heidelberg	15–17 April
	Telomere biology in health and human disease	S. Boulton	PT-Troia	1–6 May
	Lysosomes and metabolism	R. Ricci	IT-Naples	6–9 May
	Molecular neurobiology	E. Seiradake	GR-Heraklion	8–12 May
	Target of rapamycin (TOR) signaling in photosynthetic organisms	L. Ryabova	FR-Strasbourg	15–19 May
	Pseudoenzymes 2018: From molecular mechanisms to cell biology	E. Zeqiraj	IT-Sardinia	16–19 May
	Molecular biology of mitochondrial gene expression	N.G. Larsson	SE-Svartsjö	20–24 May
	Challenges for magnetic resonance in life sciences	G. Parigi	IT-Grosseto	27–31 May
	Plant genome stability and change 2018	C. White	DE-Gatersleben	3–6 June
	Chromatin dynamics and nuclear organization in genome maintenance	E. Soutoglou	FR-Ilkirch	3–7 June
	Gene transcription in yeast: From global analyses to single cells	F. Stutz	ES-Sant Feliu de Guixols	9–14 June
	Bacterial persistence and antimicrobial therapy	C. Dehio	CH-Ascona	10–14 June
	C. elegans development, cell biology and gene expression	S. Van Den Heuvel	ES-Barcelona	13–17 June
	Cortical interneurons in health and disease	O. Marín	ES-Costa d'En Blanes	17–20 June
	Dendrites 2018: Dendritic anatomy, molecules and function	P. Poirazi	GR-Heraklion	17–20 June
	New shores in land plant evolution	J. Becker	PT-Lisbon	20–23 June
	Membrane fusion in health and disease	Y. Modis	UK-Cambridge	24–28 June
	Molecular and developmental biology of <i>drosophila</i>	S. Bray	GR-Kolymbari	24–30 June
	Antibodies and complement: Effector functions, therapies and technologies	P. Bruhns	ES-Girona	28 June–1 July
	RNA: Structure meets function	G. Castelo-Branco	SE-Stockholm archipelago	1–4 July

EMBO Courses | Workshops | Symposia 2018

	Title	Organizer	Location	Dates
Workshops 2018 EMBC Member States (continued)	Viruses of microbes 2018	K. Dabrowska	PL-Wrocław	9–13 July
	Imaging mouse development	T. Hiragi	DE-Heidelberg	24–27 July
	In-situ methods in cell biology and cellular biophysics	P. Selenko	DE-Berlin	26–28 July
	Cell and developmental systems	S.G. Martin	CH-Arolla	20–24 August
	Lymphocyte antigen receptor signalling	C.T. Baldari	IT-Siena	25–29 August
	Chemical biology 2018	M. Köhn	DE-Heidelberg	29 August–1 September
	Molecular biology of archaea: From mechanisms to ecology	C. Schleper	AT-Vienna	3–5 September
	Physics of cells: From biochemical to mechanical (PhysCell 2018)	R. Hawkins	UK-Harrogate	3–7 September
	Enzymes, biocatalysis and chemical biology: The new frontiers	A. Mattevi	IT-Pavia	9–12 September
	Nuclear receptors and biological networks	S. Mandrup	GR-Kolymbari	11–15 September
	Physics of integrated biological systems	M. Labouesse	FR-Cargèse	11–21 September
	piRNAs and PIWI proteins	M. Simonelig	FR-Montpellier	12–15 September
	Cellular signalling and cancer therapy	M. Sibilio	HR-Cavtat	14–18 September
	The molecular and cellular basis of regeneration and tissue repair	J. Godwin	MT-Valetta	15–19 September
	Modularity of signaling proteins and networks	Y. Ivarsson	AT-Seefeld in Tirol	16–21 September
	DNA replication, chromosome segregation and fate decisions	Z. Lygerou	GR-Kyllini	17–21 September
	Membrane contact sites in health and disease	T. Simmen	CH-Arosa	21–25 September
	The inflammasomes	V. Hornung	DE-Martinsried	25–28 September
	Molecular advances and parasite strategies in host infection	M.A. Hakimi	FR-Les Embiez Island	30 September–3 October
	Cilia 2018	L. Pedersen	DK-Copenhagen	2–5 October
	RNA and genome maintenance: Cooperation and conflict management	P. Beli	DE-Mainz	10–13 October
	From epigenome towards epitranscriptome in cell fate choice	M.R. Matarazzo	IT-Capri	14–17 October
	Experimental approaches to evolution and ecology using yeast and other model systems	K.R. Patil	DE-Heidelberg	17–20 October
	Endoplasmic reticulum function in health and disease	M. Lemberg	IT-Lucca	21–25 October

EMBO Courses | Workshops | Symposia 2018

	Title	Organizer	Location	Dates
Workshops 2018 EMBC Member States (continued)	Phagocytosis of dying cells: Molecules, mechanisms and therapeutic implications	K. Ravichandran	BE-Ghent	24–27 October
	Mechanisms of neuronal remodelling	A. Yaron	IL-Kibbutz Ein-Gedi	8–12 December
Workshops 2018 EMBC Associate Member States	Modelling infectious diseases in the cell and host	J. Hiscox	SG-Singapore	22–24 January
	Nuclear mechano-genomics	V.G. Shivashankar	SG-Singapore	17–20 April
	Size and shape	J. Rink	IN-Bangalore	4–8 September
	Molecular mechanisms of developmental and regenerative biology	R. Dunn	SG-Singapore	11–13 November
Workshops 2018 Co-operation Partner Country	Neural development	C.T. Chien	TW-Taipei	2–6 March
EMBO EMBL Symposia 2018 EMBC Member States	Tissue self-organisation: Challenging the systems	T. Hiiragi	DE-Heidelberg	11–14 March
	DNA replication: From basic biology to disease	T. Halazonetis	DE-Heidelberg	7–10 May
	Cellular mechanisms driven by liquid phase separation	E. Lemke	DE-Heidelberg	14–17 May
	Microtubules: From atoms to complex systems	C. Janke	DE-Heidelberg	27–30 May
	Biological oscillators: Design, mechanism, function	A. Aulehla	DE-Heidelberg	3–5 June
	Innate immunity in host-pathogen interactions	F. Randow	DE-Heidelberg	24–27 June
	Principles of chromosome structure and function	C. Haering	DE-Heidelberg	5–8 September
	Organoids: Modelling organ development and disease in 3D culture	J. Knoblich	DE-Heidelberg	10–13 September
	The human microbiome	P. Bork	DE-Heidelberg	16–19 September
	The complex life of RNA	A. Ephrussi	DE-Heidelberg	3–6 October
India EMBO Symposia EMBC Associate Member States	Big data in biomedicine	A. Agrawal	IN-Delhi	25–27 February
	RNA viruses: Immunology, pathogenesis and translational opportunities	G. Medigeshi	IN-New Delhi	28–30 March
	From synapses to memory: RNA based regulatory mechanisms	S. Banerjee	IN-Manesar	15–18 October

EMBO Keynote Lectures

www.embo.org/funding-awards/lecture-grants

courses_workshops@embo.org

EMBO funds its members and associate members to give a keynote lectures at international scientific meetings. 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 2018

	Name	Lecture Title	Location	Date
Keynote Lectures 2018 EMBC Member States	Sophien Kamoun	14th European Conference on Fungal Genetics	IL-Haifa	25 – 28 February
	Tim Clausen	Microbial Stress: From System to Molecules and Back	IE-Kinsale	23 – 25 April
	Roger Patient	IUBMB Focused Meeting on GATA Transcription Factors in Development and Disease	GR-Lasithi	28 May – 1 June
	Anne Eichmann	International Vascular Biology Meeting 2018	FI-Helsinki	3 – 7 June
	Kristian Helin	FASEB Science Research Conference on Biological Methylation: Fundamental Mechanisms in Human Health & Disease	IT-Florence	17 – 22 June
	Ido Amit	EACR25 From Fundamental Insight to Rational Cancer Treatment	NL-Amsterdam	30 June – 3 July
	Susan M. Gasser	The 43rd FEBS Congress – Biochemistry Forever	CZ-Prague	7 – 12 July
	Anne Ridley	Small G Proteins in Cellular Signalling and Disease	UK-Cambridge	9 – 12 July
	Dirk Görllich	Life at the Edge: The Nuclear Envelope in Nucleocytoplasmic Transport, Genome Organization and Cell Cycle Regulation	DE-Potsdam	25 – 28 July
	Ray Dixon	13th European Nitrogen Fixation Conference	SE-Stockholm	18 – 21 August
	Regine Hengge	The 5th Young Microbiologists Symposium on Microbe Signalling, Organisation and Pathogenesis	UK-Belfast	27 – 28 August
	Jennifer Lippincott-Schwartz	Frankfurt Conference on Quality Control	DE-Frankfurt	2 – 6 September

EMBO Keynote Lectures 2018

	Name	Lecture Title	Location	Date
Keynote Lectures 2018 EMBC Member States (continued)	Elly M. Tanaka	Engineering Multicellular Self Organization	UK-Cambridge	3–4 September
	Wolf Reik	FISV 2018 XV Congress	IT-Roma	18–21 September
	Claudio Gualerzi	Central European Symposium on Antimicrobials and Antimicrobial Resistance CESAR 2018	HR-Sveti Martin na Muri	19–22 September
	Olli Kallioniemi	Curie Multidisciplinary International Course on Computational Systems Biology of Cancer	FR-Paris	24–29 September
	Magdalena Zernicka-Goetz	3rd International Meeting—Building the Cell	FR-Paris	26–28 September
	Thomas J. Silhavy	Bacterial Protein Export 2018	BE-Leuven	30 September–3 October
	Karen Vousden	Mechanisms to Therapies: Innovations in Cancer Metabolism	ES-Bizkaia	9–11 October
	James E. Rothman	FEBS Special Meeting—The 2018 Golgi Meeting: Membrane Trafficking in Cell Organization and Homeostasis	IT-Sorrento	15–19 October
	Paul B. Rainey	IGC Symposium 2018: Microbial Eco-Evolutionary Dynamics	PT-Oeiras	22–24 October
	M. Angela Nieto	Joint Meeting of the Portuguese, Spanish and French Societies for Developmental Biology	PT-Porto	7–10 November
	Ueli Schibler	Molecular Mechanisms of Circadian Clocks	DE-Mainz	15–16 November
	Claudio D. Stern	Conférence Jacques Monod on 'Modelling Cell Fate'	FR-Roscoff	19–23 November
	Ewan Birney	20th EMBL PhD Symposium: Game Changers—Taking the Life Sciences to the Next Level	DE-Heidelberg	22–24 November
	Geneviève Almouzni	Conference Systems Epigenetics: Towards Precision Cancer Medicine	NL-Amsterdam	27–30 November
	Roman Jerala	ICBE Asia 2018—International Conference on Biomolecular Engineering	SG-Singapore	8–10 January

EMBO Keynote Lectures 2018

	Name	Lecture Title	Location	Date
Keynote Lectures 2018 EMBC Co-operation Partner	Janet Thornton	International Society for Computational Biology Latin America, SOIBIO and EMBnet Joint Bioinformatics Conference 2018 (ISCB-LA SOIBIO EMBnet 2018)	CL-Viña del Mar	7–9 November
Keynote Lectures 2018 Non-EMBC Member States	Andreas Plückthun	43rd Lorne Conference for Protein Structure and Function	AU-Lorne	4–8 February
	Santiago F. Elena	13th Australasian Plant Virology Workshop	NZ-Auckland	20–23 February
	Marino Zerial	The Hunter Meeting: Systems, Cells, Development	AU-Lovedale	19–22 March
	Xiaodong Zhang	FASEB SRC: Machines on Genes-Nucleic Acid Enzymes	US-Snowmass	25–29 June
	Jiří Bartek	4th International Cell Senescence Association (ICSA) Meeting	CA-Montreal	8–11 July
	Andrés Aguilera	Dynamic DNA Structures in Biology (FASEB Summer Research Conference)	US-Olean	8–13 July
	Bernd Bukau	Protein Folding in the Cell	US-St. Bonaventure	22–27 July
	Javier Cáceres	II Argentine Meeting on Non Coding RNA Biology	AR-Bernal	30–31 July
	Wolfgang P. Baumeister	Small GTPases in Membrane Processes: Trafficking, Autophagy and Disease	US-Leesburg	23–28 September
	Andreas Radbruch	LXVI Annual Meeting of the Argentine Society for Immunology	AR-Mar del Plata	14–17 November
	Anu Suomalainen-Wartiovaara	AussieMit2018	AU-Melbourne	29 November–1 December
	Satyajit (Jitu) Mayor	Asian Biophysics Association Symposium in conjunction with the Annual Meeting of the Australian Society for Biophysics	AU-Melbourne	2–6 December

EMBO Gold Medal

www.embo.org/funding-awards/gold-medal

communications@embo.org

The EMBO Gold Medal is awarded annually to young scientists for outstanding contributions to the life sciences in Europe. Candidates are nominated by EMBO Members and selected by EMBO Council. The recipients of the 2018 EMBO Gold Medal were Marek Basler, Biozentrum at the University of Basel, Switzerland, for his pioneering work on bacterial type VI secretion systems, and Melina Schuh, Max Planck Institute for Biophysical Chemistry in Goettingen, Germany, for her ground breaking work on meiosis in mammalian oocytes.

EMBO Gold Medalists 1986–2018

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

EMBO Women in Science

www.embo.org/science-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
Manager

Participation of women in EMBO activities: Statistics

EMBO Courses & Workshops 2014–2018
(including EMBO | EMBL Symposia, EMBO | FEBS Lecture Courses, EMBO Conferences, EMBO Global Exchange Lecture Courses, EMBO Practical Courses, EMBO Workshops)

Year	% women	% female speakers
2014	49	32
2015	49	35
2016	49	35
2017	50	36
2018*	51	37

*2018 data represents 74% 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

Participation of women in EMBO activities: Statistics

EMBO Short-Term Fellowships

		Applications	%	Awards	%	Success rate %
2014	Female applicants	322	59	167	59	52
	Male applicants	226	41	117	41	52
	Overall	548		284		52
2015	Female applicants	240	60	116	60	48
	Male applicants	161	40	78	40	48
	Overall	401		194		48
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
2014–2018	Female applicants	1614	59	862	60	53
	Male applicants	1139	41	584	40	51
	Overall	2753		1446		53

Participation of women in EMBO activities: Statistics

EMBO Long-Term Fellowships

		Applications	%	Awards	%	Success rate %
2014	Female applicants	742	45	86	35	12
	Male applicants	906	55	161	65	18
	Overall	1648		247		15
2015	Female applicants	773	50	118	47	15
	Male applicants	776	50	134	53	17
	Overall	1549		252		16
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
2014–2018	Female applicants	3417	48	427	41	12
	Male applicants	3731	52	621	59	17
	Overall	7148		1048		15

Participation of women in EMBO activities: Statistics

EMBO Young Investigator Programme

		Applications	%	Awards	%	Success rate %
2014	Female applicants	64	32	7	26	11
	Male applicants	138	68	20	74	14
	Overall	202		27		13
2015	Female applicants	64	37	8	35	13
	Male applicants	111	63	15	85	14
	Overall	174		23		13
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
2014–2018	Female applicants	355	34	46	36	13
	Male applicants	688	66	83	64	12
	Overall	1043		129		12

Participation of women in EMBO activities: Statistics

EMBO Installation Grants

		Applications	%	Awards	%	Success rate %
2014	Female applicants	27	39	2	25	7
	Male applicants	42	61	6	75	14
	Overall	69		8		12
2015	Female applicants	27	31	3	33	11
	Male applicants	59	69	6	67	10
	Overall	86		9		11
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
2014–2018	Female applicants	101	32	14	35	14
	Male applicants	215	68	26	65	12
	Overall	316		40		13

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