

● Reykjavik

Oslo

Helsinki

Tallinn

Copenhagen

Stockholm

Dublin

Amsterdam

Berlin

Vilnius

London

Brussels

Prague

Warsaw

Paris

Luxembourg

Bratislava

Bern

Vienna

Budapest

Ljubljana

Zagreb

Madrid

Rome

Ankara

Lisbon

Athens

Valletta

Jerusalem

● New Delhi

Singapore ●

# HIGHLIGHTS 2016



Membership	50 new members from 13 countries in Europe and eight Associate Members from China, Japan, Lithuania, Singapore and the United States were elected.
Fellowships	<p>Long-Term Fellowships opened for applications all year round and new eligibility criteria for Short-Term Fellowships were introduced.</p> <p>170 Long-Term, 350 Short-Term and 5 Advanced Fellowships were awarded.</p>
Young Investigators and Installation Grants	<p>Lithuania joined the Installation Grants scheme.</p> <p>25 Young Investigators and 8 Installation Grantees became part of the EMBO community.</p>
Science Policy	<p>EMBO co-organised a workshop on science advising in Europe.</p> <p>Science Policy Programme Manager Michele Garfinkel was invited to represent EMBO on the European Commission's Open Science Policy Platform.</p> <p>The programme continued its work on research integrity, including presentations at European institutes and improvements to the online training course.</p>
Courses & Workshops	<p>More than 11,000 participants attended 92 scientific events.</p> <p>30 EMBO Laboratory Management Courses were held in Heidelberg and at six research institutes worldwide.</p> <p><i>The 7th EMBO Meeting</i> in Mannheim concluded the meeting series.</p>
Global Activities	<p>Malta and Lithuania become EMBC Member States.</p> <p>EMBO partners with the Wellcome Trust/DBT India Alliance to deliver three life science meetings per year in India.</p>
Awards	<p>The EMBO Gold Medal was awarded to Richard Benton and Ben Lehner.</p> <p>Fiona Watt received the FEBS   EMBO Women in Science Award.</p>
EMBO Press	EMBO Press extended its scooping protection policy to preprints.
SourceData	<p>The SmartFigures lab application of SourceData was developed in collaboration with publishing house Wiley and launched at <i>The EMBO Meeting</i>.</p>

# EMBO

## facts & figures 2016

**EMBO promotes excellence in life sciences in Europe and beyond by recognizing and fostering talented scientists.**

Since 1964, leading scientists are elected annually to become EMBO Members based on proven excellence in research. Members number more than 1700 today. 85 scientists from the EMBO membership have received the Nobel Prize.

EMBO funding, training and networking activities attract thousands of scientists every year, promoting collaboration in all areas of life science research.

Four peer-reviewed journals span a broad spectrum of the life sciences and reflect how research is shaping the world.

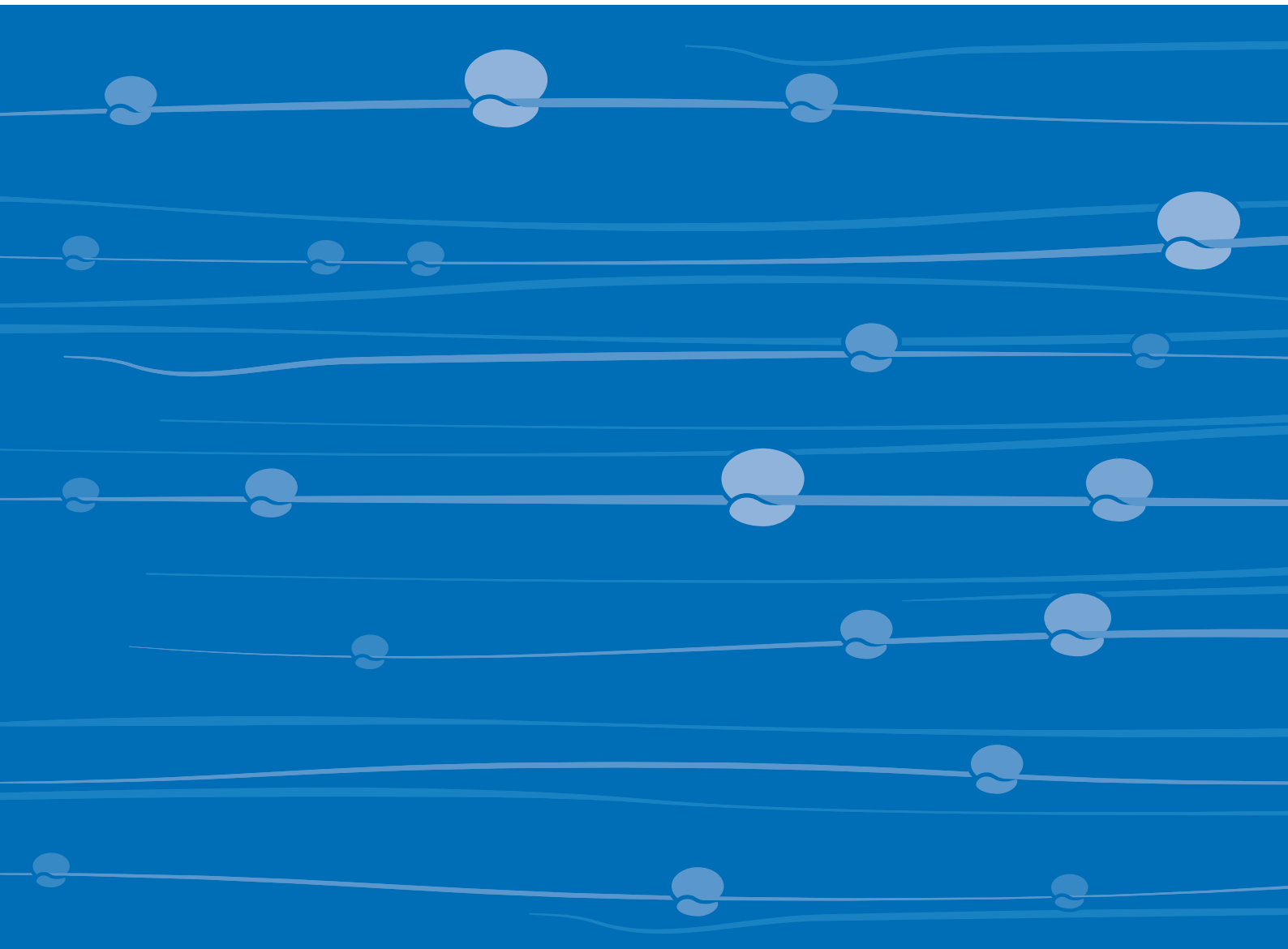
**The European Molecular Biology Conference (EMBC), founded in 1969, is the intergovernmental funding body for EMBO comprising 29 member states including most of the European Union and some of the neighbouring countries.**

Both EMBO and EMBC are driven by a common commitment to research at the European level. Their joint activities are characterized by quality and encouragement of co-operation within the scientific community.

EMBO facts & figures 2016 reports on the implementation of the EMBC General Programme and other EMBO activities.



# EMBC



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**Maria Leptin**

EMBO Director

## Preface

I am pleased to present this collection of figures highlighting the variety, progress and impact of EMBO's activities during 2016. Through its programmes and activities, EMBO continued to support and connect life scientists across Europe and beyond.

It was a particular pleasure to have three new countries join the EMBC. With Malta and Lithuania becoming EMBC Members States and India joining as Associate Member State, more researchers will be able to benefit from the support EMBO offers talented researchers at all stages of their careers.

Demonstrating that excellence remains at the heart of the organisation, EMBO welcomed 58 of the best life scientists from 18 countries to the EMBO Membership, and 25 of the most promising young group leaders were selected as EMBO Young Investigators. Celebrating individual achievements in the life sciences, we awarded the EMBO Gold Medal to Richard Benton and Ben Lehner and the FEBS | EMBO Women in Science Award to Fiona Watt.

EMBO's funding programmes have continued to support talented researchers at all career stages. Looking ahead we must ensure that the EMBO Programmes stay at the forefront of supporting young scientists in building successful, internationally mobile careers. With this in mind, we made the application process for Long-Term Fellowships more flexible by removing the application deadline, and introduced new eligibility criteria for the Short-Term Fellowships to make them available to more researchers in EMBC Member States.

EMBO Courses & Workshops reach thousands of life scientists from across the globe every year at events where they can exchange information, receive training and connect with each other – and 2016 was no exception. The programme supported 92 events attended by more than 11,000 people. Additionally, members of the EMBO community were able to interact with

peers outside their immediate research areas at the annual EMBO Members' Meeting and two Fellows' Meetings in Germany and the USA.

30 EMBO Laboratory Management Courses offered 478 young researchers the opportunity to develop their management and leadership skills, and we extended the portfolio to include courses on negotiation and self-leadership. Another development saw the conclusion of *The EMBO Meeting* series with the seventh meeting in Mannheim. Acting on feedback from the community, EMBO Council agreed to discontinue this large, multidisciplinary meeting – a decision that will enable us to use our resources to explore new opportunities for bringing top science to the widest audiences. Examples of this are the joint ASCB | EMBO meeting in 2017 and the partnership EMBO formed with the Wellcome Trust/DBT India Alliance to organize additional meetings in India.

In addition to supporting researchers and stimulating the exchange of information, EMBO has successfully progressed its efforts to shape European science policy. Programme Manager Michele Garfinkel was invited to represent EMBO on the Open Science Policy Platform, a High-Level Advisory Group working directly with the Commissioner for Research, Science and Innovation, Carlos Moedas. EMBO representatives also discussed details of our policy work on responsible research conduct and open science during a visit from the Commissioner to EMBO. Work in both of these areas has continued to expand. With a focus on supporting European researchers in conducting their research responsibly, the Science Policy Programme presented research integrity training sessions at two European research institutes and further improved the online training course. Together with publisher Wiley, EMBO launched an application of the SourceData project, SmartFigures Lab.

EMBO Press has continued to shape best practice in scientific publishing. Aspects of the EMBO Press 'Transparent Process' have been adopted by other journals. In addition, all EMBO Press publications introduced an extended scooping protection: manuscripts posted as preprints before submission will not be rejected on the basis of similar findings published by other researchers during the submission, peer-review or revision process.

The numbers in this publication speak for themselves: EMBO's activities continue to positively influence the life sciences in Europe and the rest of the world. The financial support from the EMBC Member States, the guidance from EMBO Council, the dedication of the EMBO Members, and the enthusiastic work of the EMBO office staff are vital for EMBO's ongoing success. I would like to thank everyone involved with the organisation, and I look forward to working together to continue to deliver and develop EMBO's activities.



Maria Leptin  
EMBO Director

## EMBO actions 2016

The EMBO Council met in April 2016. Major decisions are listed below along with other important EMBO actions not described elsewhere in this report.

### → EMBO OFFICERS & COUNCIL 2016

**Paul Nurse**

EMBO SECRETARY GENERAL

**Carl-Henrik Heldin**

CHAIR, EMBO COUNCIL

**Geneviève Almouzni**

VICE CHAIR, EMBO COUNCIL

**Karen B. Avraham**

**Victor de Lorenzo**

**Caroline Dean**

**Denis Duboule**

**Anne Ephrussi**

**Regine Kahmann**

**Jürgen Knoblich**

**László Nagy**

**Mart Saarma**

**Paul Schulze-Lefert**

**Titia Sixma**

**Dimitris Thanos**

**Karen Vousden**

MEMBERS OF EMBO COUNCIL

→ See page 14 for a detailed list of the 2016 EMBO Council

### Council and membership elections

■ *Carl-Henrik Heldin* was re-elected as Chair of EMBO Council for 2017 and *Titia Sixma* was elected as Vice Chair of EMBO Council for 2017.

■ *Victor de Lorenzo* and *Regine Kahmann* were re-elected to Council by the membership for the period 2017–2019. *Claudio Sunkel* (PT), *Michael Hall* (CH) and *Adrian Bird* (UK) were newly elected for the same period.

### Financial matters

■ The EMBO Council approved the accounts for 2015 and the budget for the EMBO activities for 2017. This funding comes from the EMBC and is supplemented with income generated by the EMBO publications. It is also used to pilot EMBO activities that are not part of the EMBC General Programme.

■ Since 2009, the EMBO and EMBC accounts have been audited by KPMG (Switzerland). This audit is carried out in addition to the standard auditing by a national audit court from one of the EMBC Member States (currently the Netherlands).

### Other EMBO activities

#### Awards

■ EMBO Council selected two scientists as the winners of the EMBO Gold Medal 2016: *Richard Benton* of the University of Lausanne (Switzerland) who showed that insect odorant receptors, the molecular detectors of scent, define a novel class of genes, with evolutionary roots in the common ancestor of animals and plants, and *Ben Lehner* of the Centre of Genomic Regulation (CRG), Barcelona, Spain, for his contributions to understanding the origins of phenotypic diversity in development and evolution (see page 94).



## EMBO actions 2016

### Other EMBO activities *(continued)*

- The FEBS/EMBO Women in Science Award 2016 was awarded to *Fiona Watt*, Director of the Centre for Stem Cells and Regenerative Medicine at King's College London. Professor Watt received the award for uncovering the mechanisms that control mammalian epidermal stem cell renewal and differentiation, and for discovering how these processes are deregulated in cancer, wound healing and inflammatory skin disorders.

#### Meetings and training

- *The EMBO Meeting 2016* was held in Mannheim, Germany, from 10 to 13 September.
- New EMBO Members elected in 2015 and 2016 were welcomed to the organization during the *EMBO Members' Workshop* held from 26 to 28 October 2016 in Heidelberg.
- EMBO and EMBL held eight joint *EMBO / EMBL Symposia* in the EMBL Advanced Training Centre in 2016.
- EMBO continued to participate in the activities and meetings of the Initiative for Science in Europe (ISE).
- The EMBO Director and EMBO managers were engaged in a variety of other meetings and collaborations – in particular with the Federation of European Biochemical Societies (FEBS), the European Research Council (ERC) and the various programmes of the European Commission (EC).
- EMBO provided management training for postdocs and group leaders by organizing 30 Laboratory Management Courses.

#### → EMBO COMMITTEE CHAIRS 2016

##### **Jane Langdale**

EMBO Membership Committee

##### **Sarah Bray**

EMBO Fellowship Committee

##### **Frank Uhlmann/Nils Brose**

EMBO Course Committee

##### **Gisou van der Goot**

EMBO Young Investigator Committee

##### **Ivan Dikic**

EMBO Publications Advisory Board

→ [See page 15 for a complete list of the 2016 committee members](#)

#### → EMBO Council Administrator

Gitta Bourke

[gitta.bourke@embo.org](mailto:gitta.bourke@embo.org)

T +49 6221 8891 117

F +49 6221 8891 202

## EMBC actions 2016

### → EMBC OFFICERS 2016

**Gerrit van Meer** NETHERLANDS  
PRESIDENT

**Eiríkur Steingrímsson** ICELAND

**Charalambos Savakis** GREECE  
VICE-PRESIDENTS

**Patrick Cramer** GERMANY  
SECRETARY GENERAL

**Troels Tvedegaard Rasmussen**  
DENMARK FINANCE COMMITTEE CHAIR

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

### → STRATEGIC WORKING PARTY 2016

**Ahmet Ademoğlu** TURKEY

**Lucia Banci** ITALY

**Hemma Bauer** AUSTRIA

**Patrick Cramer** GERMANY

**Josiane Entringer** LUXEMBOURG

**Angela Nieto** SPAIN

**Anne Paoletti** FRANCE

**Mark Palmer** UNITED KINGDOM

**Jeannette Ridder-Numan**  
NETHERLANDS

**Charalambos Savakis** GREECE

**Eiríkur Steingrímsson** ICELAND

**Boris Turk** SLOVENIA

**Gerrit van Meer** NETHERLANDS CHAIR

**Jan Grapentin** GERMANY

→ See pages 12 for a list of  
all EMBC Delegates

The EMBC Delegates met in formal session in November 2016. The EMBC Finance Committee met in June 2016 and the EMBC Strategic Working Party met in November 2016; the decisions and actions resulting from these meetings are listed below.

#### Financial matters

- EMBC noted the reports of the external auditors and approved the accounts for 2015.
- EMBC approved the budget for 2017.

#### Election of officers for 2017

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

## EMBC actions 2016

### → EMBC MEMBER STATES

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

■ Austria	■ Iceland	■ Slovak Republic
■ Belgium	■ Ireland	■ Slovenia
■ Croatia	■ Israel	■ Spain
■ Czech Republic	■ Italy	■ Sweden
■ Denmark	■ Lithuania <sup>1</sup>	■ Switzerland
■ Estonia	■ Luxembourg	■ Turkey
■ Finland	■ Malta <sup>2</sup>	■ United Kingdom
■ France	■ Netherlands	
■ Germany	■ Norway	1 joined in May 2016
■ Greece	■ Poland	2 joined in March 2016
■ Hungary	■ Portugal	

### → FINANCE COMMITTEE

#### PERMANENT MEMBERS

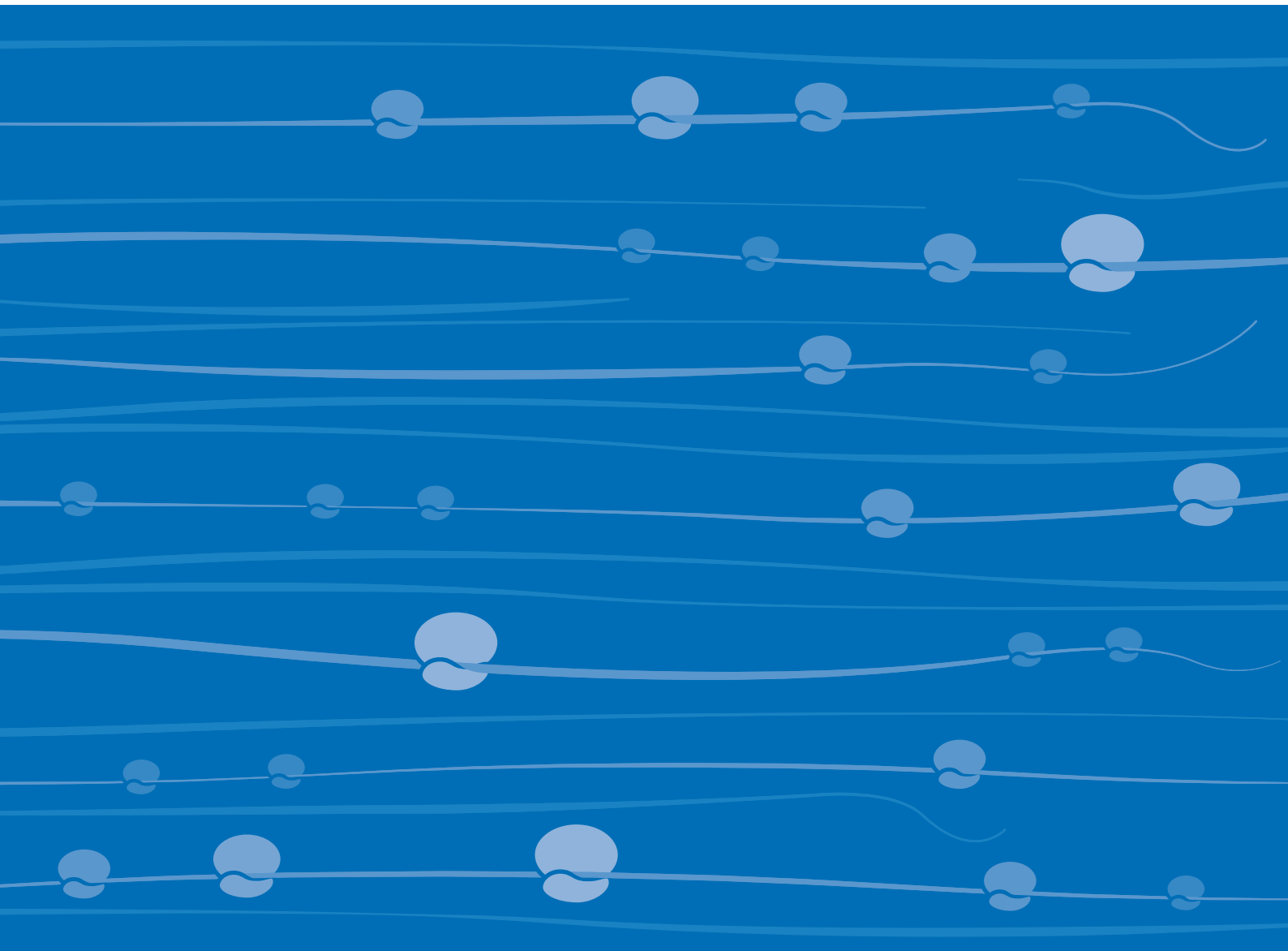
**France**  
**Germany**  
**Italy**  
**Spain**  
**United Kingdom**

#### ELECTED MEMBERS (2016–2019)

**Austria**  
**Belgium**  
**Croatia**  
**Denmark**  
**Poland**  
**Portugal**  
**Netherlands**

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

→ EMBC Administrator  
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# EMBC Delegates & Advisers

[embc.embo.org](http://embc.embo.org)

A President, two Vice Presidents and a Secretary General lead the EMBC, the intergovernmental funding body of EMBO. The governments of the member states nominate EMBC Delegates. Typically each member state appoints one delegate from a relevant ministry and one scientific adviser.

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

**Prof. Gerrit Van Meer**  
EMBC President

**Prof. Patrick Cramer**  
EMBC Secretary General

**Gitta Bourke**  
EMBC Administrator

## **Austria**

Dr. Hemma Bauer  
Prof. Veronika Sexl

## **Belgium**

Mr Alain Heynen  
Prof. Marc van Montagu

## **Croatia**

Dr. Lovorka Barać Lauc  
Prof. Krešimir Pavelić

## **Czech Republic**

Ms Jana Bystrická  
Dr. Zdena Palková

## **Denmark**

Mr Troels Tvedegaard Rasmussen  
Prof. Jesper Velgaard Olsen

## **Estonia**

Prof. Maia Kivisaar  
Dr. Toivo Rääm

## **Finland**

Prof. Johanna Myllyharju  
Dr. Jarmo Wahlfors

## **France**

Dr. Elena Hoffert  
Dr. Anne Paoletti

## **Germany**

Prof. Patrick Cramer  
Dr. Jan Grapentin  
Dr. Andreas Klein

## **Greece**

Prof. Spiros Georgatos  
Ms Panagiota Katsafana

## **Hungary**

Prof. László Patthy

## **Iceland**

Prof. Eiríkur Steingrímsson

## **Ireland**

Ms Jennifer Billings  
Dr. Marion Boland

## **Israel**

Dr. Yossi Kalifa  
Prof. Joel Sussman

## **Italy**

Prof. Lucia Banci  
Mr Fabio Iannaccone

## **Lithuania**

Ms Ausra Sablinskiene  
Prof. Virginijus Siksnys

## **Luxembourg**

Ms Josiane Entringer

## **Malta**

Mr. Marco Abela  
Dr. Joseph Borg

## **Netherlands**

Dr. Jeannette Ridder-Numan  
Prof. Gerrit van Meer

## **Norway**

Prof. Oddmund Bakke  
Dr. Jacob E. Wang

## **Poland**

Prof. Leszek Kaczmarek  
Ms Maria Klimkiewicz

## **Portugal**

Prof. Miguel Castanho  
Ms Inês Rangel  
Prof. Claudio Sunkel

## **Slovak Republic**

Dr. Silvia Pastoreková  
Mr Marcel Sládok  
Prof. Ján Turná

## **Slovenia**

Dr. Tomaz Boh  
Mr Andrej Ograjensek  
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

## **United Kingdom**

Mr Bruce Minty  
Dr. Mark Palmer  
Mr Tim Willis

# EMBC Member States financial contributions

embc@embo.org

EMBC Member State	2016 % of total contributions
Austria	2.12
Belgium	2.58
Croatia	0.32
Czech Republic	0.94
Denmark	1.67
Estonia	0.10
Finland	1.28
France	14.91
Germany	19.17
Greece	1.36
Hungary	0.59
Iceland	0.06
Ireland	0.98
Israel	1.29
Italy	10.82
Luxembourg	0.18
Netherlands	4.19
Norway	2.60
Poland	2.62
Portugal	1.08
Slovak Republic	0.46
Slovenia	0.24
Spain	7.39
Sweden	2.82
Switzerland	3.55
Turkey	3.02
United Kingdom	13.66
<b>Total</b>	<b>100.00</b>

# EMBO Council

[www.embo.org/about-embo/council](http://www.embo.org/about-embo/council)

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

## 2016

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
	2011–2013, 2014–2016	Geneviève Almouzni	FR-Paris
	2016–2018	Karen Avraham	IL-Tel Aviv
	2012–2014, 2015–2017	Caroline Dean	UK-Norwich
	2014–2016, 2017–2019	Victor de Lorenzo	ES-Madrid
	2012–2014, 2015–2017	Denis Duboule	CH-Geneva
	2013–2015, 2016–2018	Anne Ephrussi	DE-Heidelberg
	2015–2017, 2018–2020	Carl-Henrik Heldin <a href="#">CHAIR</a>	SE-Uppsala
	2014–2016, 2017–2019	Regine Kahmann	DE-Marburg
	2015–2017, 2018–2020	Jürgen Knoblich	AT-Vienna
	2016–2018	László Nagy	HU-Debrecen
	2011–2013, 2014–2016	Mart Saarma	FI-Helsinki
	2013–2015, 2016–2018	Paul Schulze-Lefert	DE-Cologne
	2016–2018	Titia Sixma	NL-Amsterdam
	2011–2013, 2014–2016	Dimitris Thanos	GR-Athens
	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.

<b>Ex officio Council members</b>	Maria Leptin	Director, EMBO
	Paul Nurse	Secretary General, EMBO
<b>Observers</b>	Gerrit van Meer	President, EMBC
	Patrick Cramer	Secretary General, EMBC
	Iain Mattaj	Director General, EMBL
	Jane Langdale	<a href="#">CHAIR</a> EMBO Membership Committee
	Gisou van der Goot	<a href="#">CHAIR</a> EMBO Young Investigator Committee
	Frank Uhlmann	<a href="#">CHAIR</a> EMBO Course Committee
	Sarah Bray	<a href="#">CHAIR</a> EMBO Fellowship Committee
	Reinhard Jahn	<a href="#">CHAIR</a> EMBL SAC



# EMBO Committees

[www.embo.org/about-embo/committees#publications](http://www.embo.org/about-embo/committees#publications)

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

## 2016

Members serve on committees to guide core EMBO programmes, activities and publications. The EMBO Council appoints members to serve on committees for a four-year term; committee chairs are appointed for three years and may serve on the committee beyond the usual four years.

### Course Committee

2009 Frank Uhlmann **UK CHAIR**  
 2014 Nils Brose **DE CHAIR**  
 2014 Javier Cáceres **UK**  
 2013 Christian Lehner **CH**  
 2015 Zoi Lygerou **GR**  
 2016 Catherine Rabouille **NL**  
 2016 Peter Sebo **CZ**  
 2013 Anne Spang **CH**  
 2016 Jens Stougaard **DK**  
 2014 Janet Thornton **UK**  
 2016 Alfonso Valencia **ES**  
 2015 Núria Verdaguer **ES**  
 2014 Arturo Zychlinsky **CH**

### Fellowship Committee

2012 Sarah Bray **UK CHAIR**  
 2013 Andres Aguilera **ES**  
 2012 Anna Akhmanova **NL**  
 2016 Yehudit Bergmann **IL**  
 2013 Michael Boutros **DE**  
 2016 James Briscoe **UK**  
 2013 Elena Conti **DE**  
 2013 Fabrizio d'Adda di Fagnaga **IT**  
 2012 Liam Dolan **UK**  
 2013 Santiago F. Elena **ES**  
 2016 Marie-Anne Felix **FR**  
 2016 Nancy Hynes **CH**  
 2011 Thomas Nyström **SE**  
 2015 Paloma Mas **ES**  
 2014 Eric Miska **UK**  
 2016 Mariagrazia Pizza **IT**  
 2016 Erin Schumann **DE**  
 2013 Luca Scorrano **CH**  
 2015 Michael Sixt **AT**  
 2016 Shahragim Tajbakhsh **FR**  
 2011 Nectarios Tavernarakis **GR**  
 2016 Dan Tawfik **IL**  
 2014 Antoine Triller **FR**  
 2013 Pierre Vanderhaeghen **BE**  
 2015 Jörg Vogel **DE**

### Young Investigator Committee

2011 Gisou van der Goot **CH CHAIR**  
 2013 Christer Betsholtz **SE**  
 2015 Enrico Coen **UK**  
 2016 Christoph Dehio **CH**  
 2012 Robert Kaptein **NL**  
 2014 Karim Labib **UK**  
 2015 Laura Machesky **UK**  
 2015 Yitzhak Pilpel **IL**  
 2013 Dietmar Schmucker **BE**  
 2013 Maria Sibilía **AT**

### Membership Committee

2009 Jane Langdale **UK CHAIR**  
 2015 Johan Auwerx **CH**  
 2013 Ewan Birney **UK**  
 2014 Tim Clausen **AT**  
 2013 Maria Pia Cosma **ES**  
 2014 Urs Greber **CH**  
 2014 Edith Heard **FR**  
 2015 Caroline S. Hill **UK**  
 2016 Bernard Malissen **FR**  
 2013 Jacques Pouyssegur **FR**  
 2014 Maria Rescigno **IT**  
 2014 Philippe J. Sansonetti **FR**  
 2016 Peter Scheiffele **CH**  
 2013 Michel O. Steinmetz **CH**  
 2013 Giulio Superti-Furga **AT**  
 2016 Markus Wahl **DE**  
 2015 Sabine Werner **CH**  
 2014 Kenneth H. Wolfe **IE**

### Science Policy Advisory Group\*

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

### EMBO | EMBL Symposia Committee\*

2010 Maria Leptin **DE CHAIR**  
 2008 Iain Mattaj **DE, EMBL CHAIR**  
 2008 Anne Ephrussi **DE, EMBL**  
 2013 Anne-Claude Gavin **DE, EMBL**  
 2015 Henrik Kaessmann **CH**  
 2013 Jan Korbelt **DE, EMBL**  
 2015 Michele Labouesse **FR**  
 2011 Frauke Melchior **DE**  
 2013 Ramesh Pillai **FR, EMBL\*\***  
 2014 Frank Uhlmann **UK**

### Publications Advisory Board\*

2009 Ivan Dikic **DE CHAIR**  
 2013 Pietro De Camilli **US**  
 2014 Ari Helenius **CH**  
 2011 Robert Kiley **UK\*\***  
 2014 Jo McEntyre **UK\*\***  
 2014 Tom Misteli **US\*\***  
 2013 Frank Uhlmann **UK**

### FEBS | EMBO Women in Science Committee\*

2013 Cecilia Arraiano **PT**  
 2016 Thomas Boehm **DE**  
 2016 Anne-Lise Boerresen-Dale **NO\*\***  
 2014 Johanna Ivaska **FI**  
 2014 Sean Munro **UK**  
 2014 Gerrit van Meer **NL**  
 2016 Isabelle Vernos **ES**  
 2014 Maciej Zyllicz **PL**

### External Auditors

Central Audit Service Netherlands

### EMBO Audit

KPMG

### Internal Auditor EMBL

Tomasz Smolarek

\* Committee includes EMBO Members and external advisers  
 \*\* external advisers

# EMBO Members 2016

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Name	Institute	Research interest
Adam Antebi	Max Planck Institute for Biology of Ageing   Cologne, Germany	Biological mechanisms of longevity
M. Madan Babu	MRC Laboratory of Molecular Biology   Cambridge, United Kingdom	Regulatory genomics and systems biology
Laure Bally-Cuif	Institut de Neurobiologie Alfred Fessard   Gif-sur-Yvette, France and Institut Pasteur   Paris, France	Adult neural stem cell maintenance in vertebrates
Mohamed Bentires-Alj	Friedrich Miescher Institute   Basel, Switzerland	Breast cancer diversity, resistance and metastasis
Michael Brand	Technische Universität   Dresden, Germany	Regeneration of the vertebrate brain and retina
Dana Branzei	Istituto FIRC   Milano, Italy	DNA replication and chromosome structure integrity
Frank Buchholz	Technische Universität   Dresden, Germany	Genome editing and functional genomics in medicine
Ana I. Caño-Delgado	Centre for Research in Agricultural Genomics   Barcelona, Spain	Brassinosteroid signaling in stem cell development
Jason S. Carroll	Cancer Research UK Cambridge Institute   Cambridge, United Kingdom	Estrogen Receptor biology in breast cancer
Andrew P. Carter	MRC Laboratory of Molecular Biology   Cambridge, United Kingdom	Structural biology of the motor protein dynein
Agnieszka Chacinska	International Institute of Molecular and Cell Biology   Warsaw, Poland	Quality control of mitochondrial protein biogenesis
Kristina Djinovic-Carugo	University of Vienna, Austria and University of Ljubljana, Slovenia	Structural biology of the actin-based cytoskeleton
Óscar Fernández-Capetillo	Centro Nacional de Investigaciones Oncológicas (CNIO)   Madrid, Spain and Karolinska Institutet   Stockholm, Sweden	Replicative stress as a driver of cancer and aging
Darren Gilmour	EMBL   Heidelberg, Germany	Collective cell biology of organ formation
Ian A. Graham	University of York, United Kingdom	Plant natural products and seed biology
Manajit Hayer-Hartl	MPI für Biochemie   Martinsried, Germany	Molecular chaperones and Rubisco biogenesis

Name	Institute	Research interest
Carl-Philipp Heisenberg	Institute of Science and Technology Austria (IST)   Klosterneuburg, Austria	Cell and tissue morphogenesis in gastrulation
István Katona	Institute of Experimental Medicine of the Hungarian Academy of Sciences, Hungary	Endocannabinoid signaling in the brain
Jan O. Korbel	EMBL   Heidelberg, Germany and European Bioinformatics Institute   Hinxton   Cambridge, United Kingdom	From genomic variation to molecular mechanism
Pekka Lappalainen	University of Helsinki, Finland	Actin and plasma membrane dynamics
Helder Maiato	University of Porto, Portugal and Instituto de Biologia Molecular e Celular (IBMC)   Porto, Portugal	Spatial and temporal regulation of mitosis
Marcos Malumbres	Centro Nacional de Investigaciones Oncológicas (CNIO)   Madrid, Spain	Cell division and proliferation in mammals
Fatima Mechta-Grigoriou	Institut Curie   Paris, France	Oxidative stress and stromal diversity in cancers
Maria M. Mota	University of Lisbon, Portugal	Biology and physiology of malaria
Daniel J. Müller	ETH Zurich, Switzerland	Molecular and cellular biophysics of membranes
Eugene Myers	MPI für molekulare Zellbiologie und Genetik   Dresden, Germany	Image-based systems biology for development
Ove Nilsson	Swedish University of Agricultural Sciences   Umeå, Sweden	Regulation of flowering time and tree phenology
Ruth H. Palmer	University of Gothenburg, Sweden	ALK signaling in Drosophila, mice and human cancer
Jane E. Parker	MPI für Züchtungsforschung   Köln, Germany	Plant innate immunity signalling pathways
Matthieu Piel	Institut Curie   Paris, France and Institut Gilles de Gennes   Paris, France	Quantitative, molecular and physical cell biology
Simona Polo	Istituto FIRC   Milano, Italy and Università degli Studi   Milano, Italy	Ubiquitin (de)regulation of signaling pathways
Hans-Reimer Rodewald	Deutsches Krebsforschungszentrum (DKFZ)   Heidelberg, Germany	Hematopoietic stem cells and immunology
Claire Rougeulle	Université Diderot (Paris 7)   Paris, France	Long non-coding RNAs in development and disease
Raffaella Santoro	University of Zurich, Switzerland	Chromatin dynamics in cancer and stem cells
Uwe Sauer	ETH Zurich, Switzerland	Systems biology of metabolism
Hans R. Schöler	MPI für Molekulare Biomedizin   Münster, Germany	Programming and reprogramming in mammals
Melina Schuh	MPI für biophysikalische Chemie   Göttingen, Germany	Meiosis in mammalian oocytes
Roberto Solano	Universidad Autonoma   Madrid, Spain	The jasmonate signaling pathway in plants
François Spitz	Institut Pasteur   Paris, France	Genome architecture and gene regulation
Didier Stainier	Max-Planck-Institut für Herz- und Lungenforschung   Bad Nauheim, Germany	Vertebrate organ development and homeostasis

Name	Institute	Research interest
Kate G. Storey	University of Dundee, United Kingdom	Regulation of neural differentiation
Peter ten Dijke	University Medical Centre   Leiden, Netherlands	TGF-beta family signaling in diseases
Pavel Tomancak	MPI für molekulare Zellbiologie und Genetik   Dresden, Germany	Patterns of gene expression in animal development
Ian Tomlinson	Wellcome Trust Centre for Human Genetics   Oxford, United Kingdom	Cancer genetics and evolution
Jernej Ule	University College London, United Kingdom and Francis Crick Institute   London, United Kingdom	RNA regulatory networks
Antonella Viola	Università di Padova, Italy and Università degli Studi   Milano, Italy	Immune cell signaling
Douglas J. Winton	University of Cambridge, United Kingdom	Functional properties of intestinal stem cells
Gulnara Yusupova	Institute of Genetics and Molecular and Cellular Biology (IGBMC)   Illkirch, France	Mechanism of protein biosynthesis at the ribosome
Xiaodong Zhang	Imperial College   London, United Kingdom	Structures and mechanisms of macromolecular machines
Juleen R. Zierath	Karolinska Institutet   Stockholm, Sweden	Skeletal muscle glucose metabolism and development

# EMBO Associate Members 2016

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Name	Institute	Research interest
<b>George Fu Gao</b>	Chinese Academy of Sciences   Beijing, China and Chinese Center for Disease Control and Prevention (China CDC)   Beijing, China	Protein interactions in virus entry and immunity
<b>Hiroshi Hamada</b>	RIKEN Center for Developmental Biology   Kobe, Japan	Origin of body asymmetries in the mouse embryo
<b>Marc W. Kirschner</b>	Harvard Medical School   Boston, United States	Cell cycle regulation, mass spectrometry
<b>Timothy J. Mitchison</b>	Harvard Medical School   Boston, United States	Fundamental mechanisms of cell organization and movement
<b>Huck-Hui Ng</b>	Genome Institute   Singapore	Self-renewal and differentiation of stem cells
<b>Virginijus Siksnys</b>	Vilnius University, Lithuania	Mechanisms of antiviral defense in prokaryotes
<b>Hong Wu</b>	Peking University   Beijing, China	PTEN controlled signaling pathway and tumorigenesis
<b>Xiaowei Zhuang</b>	Harvard University   Cambridge, United States	Advanced imaging of cellular structures

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Renowned for its strict attention to scientific excellence, the *EMBO Fellowship Programme* has supported thousands of talented young scientists since its launch in the 1960s. EMBO Fellowships support postdoctoral and predoctoral research visits of varying duration to laboratories throughout the EMBC Member States and internationally.

David del Alamo  
Programme Manager

## EMBO Long-Term Fellowships →→

### EMBO Long-Term Fellowships: Statistics

#### Applications and awards 1977–2016

Year	Applications	Awards	Success rate %
2016	1561	170	11
2015	1549	252	16
2014	1648	247	15
2013	1645	185	11
2012	1555	247	16
2011	1633	268	16
2010	1668	275	16
2009	1332	258	19
2008	1218	215	18
2007	1288	212	16
2006	1232	222	18
2005	1236	198	16
2004	1137	163	14
2003	1080	164	15
2002	789	178	23
2001	645	147	23
2000	707	155	22
1999	830	170	20
1998	790	144	18
1997	831	185	22
1996	898	160	18
1995	877	147	17
1994	806	176	22

Year	Applications	Awards	Success rate %
1993	739	199	27
1992	626	142	23
1991	571	139	24
1990	526	123	23
1989	460	118	26
1988	455	141	31
1987	383	120	31
1986	333	90	27
1985	340	92	27
1984	305	112	37
1983	294	103	35
1982	276	91	33
1981	274	111	41
1980	242	108	45
1979	254	101	40
1978	235	101	43
1977	236	94	40

## EMBO Long-Term Fellowships: Statistics

### Applications and awards 2012 – 2016

Country from*	Applications	% of total	Awards	% of total	Success rate %
Austria	94	1	20	2	21
Belgium	152	2	24	2	16
Croatia	50	1	7	<1	14
Czech Republic	71	1	6	1	8
Denmark	39	0	4	0	10
Estonia	23	<1	2	<1	9
Finland	80	1	8	1	10
France	897	11	112	10	12
Germany	791	10	174	16	22
Greece	104	1	20	2	19
Hungary	78	1	4	<1	5
Iceland	4	<1	2	<1	50
Ireland	57	1	5	<1	9
Israel	438	6	91	8	21
Italy	571	7	85	8	15
Luxembourg	5	<1	2	<1	40
Netherlands	293	4	52	5	18
Norway	8	<1	1	<1	13
Poland	191	2	29	3	15
Portugal	246	3	29	3	12
Slovak Republic	41	<1	4	<1	10
Slovenia	20	<1	1	0	5
Spain	1030	13	84	8	8
Sweden	147	2	14	1	10
Switzerland	91	1	17	2	19
Turkey	76	1	14	1	18
United Kingdom	220	3	39	4	18
Eastern Europe	185	2	30	3	16
USA/Canada	384	5	80	7	21
Others	1572	20	141	13	9
<b>Total</b>	<b>7958</b>	<b>100</b>	<b>1101</b>	<b>100</b>	<b>14</b>

\* “Country from” refers to nationality

# EMBO Long-Term Fellowships awarded in 2016 | EMBC Member States' nationals

Name	Nationality	Home laboratory	Group leader	Host laboratory	Project
<b>Mair,</b> Andrea	Austrian	University of Vienna, Austria	Dominique Bergmann	Stanford University, United States	Exploring the complexity of complexes – how closely related bHLH transcription factors drive differential gene expression in stomatal development of Arabidopsis and Brachypodium
<b>Wculek,</b> Stefanie	Austrian	Francis Crick Institute   London, United Kingdom	David Sancho Madrid	Centro Nacional de Investigaciones Cardiovasculares (CNIC)   Madrid, Spain	Targeting mitochondrial biology in dendritic cells in homeostasis and cancer
<b>Beaufay,</b> François	Belgian	Katholieke Universiteit   Leuven, Belgium	Ursula Jakob	University of Michigan   Ann Arbor, United States	Bacterial polyphosphate homeostasis and its role in persister cell formation
<b>Brouwers,</b> Bas	Belgian	Katholieke Universiteit   Leuven, Belgium	I. Sadaf Farooqi	University of Cambridge, United Kingdom	Dissecting the role of Serotonin 2c receptor (5-HT2CR) mediated signaling in human energy homeostasis
<b>Gryseels,</b> Sophie	Belgian	University of Antwerp, Belgium	Michael Worobey	University of Arizona   Tucson, United States	Unveiling the early dynamics of the HIV-1 epidemic using archival viral genomes
<b>Ronneau,</b> Séverin	Belgian	University of Namur, Belgium	Sophie Helaine	Imperial College   London, United Kingdom	Molecular mechanism of persister cell awakening in Salmonella
<b>Burton,</b> Antony	British	University of Bristol, United Kingdom	Tom Muir	Princeton University, United States	Sculpting chromatin architecture in live cells using protein chemistry
<b>Horton,</b> Edward	British	University of Manchester, United Kingdom	Janine Erler	University of Copenhagen, Denmark	Investigation into the functional role of non-canonical adhesome components in cancer cell invasion and metastasis
<b>Malinsky,</b> Milan	British	Gurdon Institute   University of Cambridge, United Kingdom	Walter Salzburger	University of Basel, Switzerland	Molecular basis of convergent evolution between cichlid fishes of lakes Malawi and Tanganyika
<b>Minamino,</b> Masashi	British	University of Tokyo, Japan	Frank Uhlmann	Francis Crick Institute   London, United Kingdom	Reconstitution of establishment of sister chromatid cohesion
<b>Morris,</b> Otto	British	Institute of Cancer Research   London, United Kingdom	Heinrich Jasper	Buck Institute for Research on Aging   Novato, United States	Decoding the role of Ca <sup>2+</sup> oscillations in Intestinal Stem Cell activity and fate
<b>Puleston,</b> Daniel	British	University of Oxford, United Kingdom	Erika Pearce	MPI für Immunbiologie und Epigenetik   Freiburg, Germany	Functions of the polyamine synthesis pathway in T cell biology
<b>Richards,</b> Mark	British	University of Bristol, United Kingdom	Lena Claesson-Welsh	Uppsala University, Sweden	Real-time characterisation of VEGF induced vascular permeability
<b>Robson,</b> Michael	British	Wellcome Trust Centre   Edinburgh, United Kingdom	Stefan Mundlos	Max Planck Institute for Molecular Genetics   Berlin, Germany	Using human disease and genome engineering to dissect dynamic genome organisation from the nuclear lamina in vivo during development

**EMBO Long-Term Fellowships awarded in 2016 | EMBC Member States' nationals**

<b>Name</b>	<b>Nationality</b>	<b>Home laboratory</b>	<b>Group leader</b>	<b>Host laboratory</b>	<b>Project</b>
<b>Cvetesic,</b> Nevena	Croatian	University of Zagreb, Croatia	Boris Lenhard	Imperial College   London, United Kingdom	Transcription start site selection at core promoters and its functional consequences in embryonic development
<b>Lisica,</b> Ana	Croatian	Technische Universität   Dresden, Germany	Guillaume Charras	University College London, United Kingdom	The role of mechanics during cell division in monolayers
<b>Husnik,</b> Filip	Czech	University of South Bohemia   Ceske Budejovice, Czech Republic	Patrick Keeling	University of British Columbia   Vancouver, Canada	The functional role of endosymbiotic gene transfer in organelle evolution
<b>Boekhout,</b> Michiel	Dutch	Netherlands Cancer Institute   Amsterdam, Netherlands	Scott Keeney	Memorial Sloan-Kettering Cancer Center   New York, United States	Shedding light on meiotic recombination
<b>Hendriks,</b> Gerardus Johannes	Dutch	Friedrich Miescher Institute   Basel, Switzerland	Rickard Sandberg	Karolinska Institutet   Stockholm, Sweden	Exploring the temporal dynamics of autosomal random monoallelic expression
<b>Hendriks,</b> Ivo	Dutch	University Medical Centre   Leiden, Netherlands	Michael Lund Nielsen	University of Copenhagen, Denmark	Characterization of crosstalk between SUMOylation and poly(ADP-ribosyl) ation in health and disease through mass spectrometry-based proteomics
<b>Hibbel,</b> Anneke	Dutch	MPI für molekulare Zellbiologie und Genetik   Dresden, Germany	Karsten Weis	ETH Zurich, Switzerland	In vivo analysis of protein import through the nuclear pore complex by single- molecule fluorescence microscopy
<b>Ietswaart,</b> Robert	Dutch	John Innes Centre   Norwich, United Kingdom	L. Stirling Churchman	Harvard Medical School   Boston, United States	Quantitative dissection of chromatin regulator functioning in human transcriptional networks
<b>Klein Herenbrink,</b> Carmen	Dutch	Monash University   Parkville, Australia	Ulrik Gether	University of Copenhagen, Denmark	Single molecule tracking of the dopamine transporter
<b>Koorman,</b> Thijs	Dutch	Utrecht University, Netherlands	Andrea McClatchey	Massachusetts General Hospital   Boston, United States	Deciphering the polarity:proliferation interface
<b>Schirris,</b> Tom	Dutch	Radboud University   Nijmegen, Netherlands	Edmund Kunji	MRC Mitochondrial Biology Unit   Cambridge, United Kingdom	Elucidating the role of mitochondrial transport proteins in drug toxicity
<b>Slaats,</b> Gisela	Dutch	University Medical Centre (UMC)   Utrecht, Netherlands	Bernhard Schermer	University of Cologne, Germany	Cilia proteins act as genome maintenance factors that protect from renal fibrosis
<b>Van Gestel,</b> Jordi	Dutch	University of Lausanne, Switzerland	Andreas Wagner	University of Zurich, Switzerland	The evolvability of bacterial multicellularity
<b>Van Gisbergen,</b> Peter	Dutch	University of Massachusetts   Amherst, United States	Sophie G. Martin	University of Lausanne, Switzerland	Architecture and stabilization mechanisms of the actin fusion focus during yeast mating

# EMBO Long-Term Fellowships awarded in 2016 | EMBC Member States' nationals

Name	Nationality	Home laboratory	Group leader	Host laboratory	Project
<b>Jolma,</b> Arttu	Finnish	Karolinska Institutet   Stockholm, Sweden	Timothy Hughes	University of Toronto, Canada	Analysis of cooperativity and specificity of heterodimeric RNA-binding protein complexes
<b>Rosenthal,</b> Raoul	Finnish	MPI für terrestrische Mikrobiologie   Marburg, Germany	David Weitz	Harvard University   Cambridge, United States	Automated continuous evolution with reverse transcriptase
<b>Anne,</b> Pauline	French	Université Paris-Saclay   Gif-sur-Yvette, France	Hardtke Christian	University of Lausanne, Switzerland	Characterization of CLE26 signaling pathway in the control of phloem specification in <i>Arabidopsis thaliana</i>
<b>Benechet,</b> Alexandre	French	University of Connecticut   Farmington, United States	Matteo Iannacone	San Raffaele Institute   Milano, Italy	Molecular determinants of hepatic HBV-specific effector CD8+ T cell intrasinusoidal crawling
<b>Brunet,</b> Thibaut	French	EMBL   Heidelberg, Germany	Nicole King	University of California   Berkeley, United States	The pre-metazoan origins of animal cell contractility
<b>Cazettes,</b> Fanny	French	Albert Einstein College of Medicine   New York, United States	Zachary F. Mainen	Champalimaud Centre for the Unknown   Lisbon, Portugal	Neuromodulation of cortical representations of policy uncertainty
<b>Dang,</b> Irene	French	École Polytechnique   Palaiseau, France	Richard Assoian	University of Pennsylvania   Philadelphia, United States	Extracellular matrix stiffness regulates Rac activity to control cell proliferation
<b>Godfrey,</b> Molly	French	Francis Crick Institute   London, United Kingdom	Sander Van Den Heuvel	Utrecht University, Netherlands	Examining the interplay between cell cycle regulators and chromatin factors in coordinating cell cycle exit and differentiation
<b>Guey,</b> Baptiste	French	Université Claude Bernard Lyon 1   Lyon, France	Andrea Ablasser	Swiss Federal Institute of Technology   Lausanne, Switzerland	Dissecting the crosstalk between cell proliferation and innate immune signaling
<b>Jean,</b> Nicolas	French	Institut de Biologie Structurale   Grenoble, France	Jan Löwe	MRC Laboratory of Molecular Biology   Cambridge, United Kingdom	Structure and function of the transmembrane DNA motor protein FtsK
<b>Lamoliatte,</b> Frederic	French	Université   Montreal, Canada	Matthias Trost	Newcastle University, United Kingdom	Characterizing the role of ISGylation in bacterial infection of macrophages
<b>Nassour,</b> Joe	French	Université Lille 2   Lille, France	Jan Karlseder	Salk Institute   La Jolla, United States	Escape from proliferation crisis as a multistep process involving cell death resistance and telomere maintenance
<b>Pierron,</b> Marie	French	Université Claude Bernard Lyon 1   Villeurbanne, France	Pierre Gönczy	Swiss Federal Institute of Technology   Lausanne, Switzerland	Uncovering mechanisms of centriole elimination during <i>C. elegans</i> oogenesis
<b>Ruffault,</b> Pierre-Louis	French	Université Paris-Saclay   Gif-sur-Yvette, France	Carmen Birchmeier	Max-Delbrück-Centrum   Berlin, Germany	Genetic and functional dissection of the nucleus of the solitary tract (NTS) circuits controlling vocalization and breathing

**EMBO Long-Term Fellowships awarded in 2016 | EMBC Member States' nationals**

<b>Name</b>	<b>Nationality</b>	<b>Home laboratory</b>	<b>Group leader</b>	<b>Host laboratory</b>	<b>Project</b>
<b>Theret,</b> Marine	French	Université Claude Bernard Lyon 1   Villeurbanne, France	Fabio Rossi	University of British Columbia   Vancouver, Canada	Signaling pathways controlling fibro/ adipogenic progenitors differentiation into fibrogenic cells during skeletal muscle regeneration
<b>Vincent,</b> Philippe	French	University of Bordeaux, France	Elisabeth Glowatzki	Johns Hopkins University   Baltimore, United States	Deciphering the uni- and multiquantal release mechanism of adult auditory inner hair cell synapses by expressing the VGLUT1 or VGLUT2 (vesicular glutamate transporter) instead of the native VGLUT3 isoform
<b>Webster,</b> Alexandre	French	California Institute of Technology   Pasadena, United States	Melina Schuh	MPI für biophysikalische Chemie   Göttingen, Germany	Dynamics of RNA transcript regulation during meiosis in mammalian oocytes
<b>Zoued,</b> Abdelrahim	French	Laboratoire d'Ingénierie des Systèmes Macromoléculaires (LISM)   Marseille, France	Matthew K. Waldor	Harvard Medical School   Boston, United States	Interrogating pathogen and host cell surfaces during infection with quantitative proteomics
<b>Baumgarten,</b> Sebastian	German	King Abdullah University of Science & Technology   Thuwal, Saudi Arabia	Artur Scherf	Institut Pasteur   Paris, France	The Plasmodium epitranscriptome: deciphering the role of RNA modifications in human malaria parasite virulence
<b>Böttinger,</b> Lena	German	Universität Freiburg, Germany	Hans C. Clevers	Hubrecht Institute   Utrecht, Netherlands	Exploiting human lung organoids to understand alveolar regeneration and cell-specific antiviral strategies
<b>Busche,</b> Marc Aurel	German	Technische Universität   München, Germany	Bradley Hyman	Massachusetts General Hospital (MGH)   Charlestown, United States	Untangling the contributions of Amyloid-beta and Tau to neural circuit dysfunction in Alzheimer's disease in vivo
<b>Dietlein,</b> Felix	German	University of Cologne, Germany	Elizier Van Allen	Dana-Farber Cancer Institute   Boston, United States	A platform to identify synergistic interactions between small-molecule inhibitors and immune checkpoint blockade in cancer
<b>Flock,</b> Tilman	German	MRC Laboratory of Molecular Biology   Cambridge, United Kingdom	Gebhard Schertler	Paul Scherrer Institut   Villigen, Switzerland	Unravelling the molecular details of ligand-biased signalling in GPCRs using integrative multi-scale structural biology
<b>Gaub,</b> Benjamin	German	University of California   Berkeley, United States	Daniel J. Müller	ETH Zurich, Switzerland	From force to function: characterization and application of mechanosensitive Piezo receptors
<b>Goldeck,</b> Marion	German	Universität Bonn, Germany	Javier Martinez	Max F. Perutz Laboratories   University of Vienna, Austria	The Role of the RNA 3'-Terminal Phosphate Cyclase RTC1 in innate immunity and in the unfolded protein response

# EMBO Long-Term Fellowships awarded in 2016 | EMBC Member States' nationals

Name	Nationality	Home laboratory	Group leader	Host laboratory	Project
<b>Graeber,</b> Kai	German	Royal Holloway University of London   Egham, United Kingdom	Claudia Köhler	Swedish University of Agricultural Sciences   Uppsala, Sweden	How clones memorize past environments – molecular mechanisms regulating epigenetic inheritance of temperature experience in vegetatively propagating plants
<b>Harms,</b> Alexander	German	Biozentrum   University of Basel, Switzerland	Kenn Gerdes	University of Copenhagen, Denmark	The enemy of my enemy is my friend: using phages to reveal new weak spots of bacterial persisters
<b>Hauser,</b> Thomas	German	MPI für Biochemie   Martinsried, Germany	Paola Picotti	ETH Zurich, Switzerland	Next-generation functional proteomics – measuring protein functional states in entire cellular pathways using a structural proteomics approach
<b>Kleele,</b> Tatjana	German	Technische Universität   München, Germany	Suliana Manley	Swiss Federal Institute of Technology   Lausanne, Switzerland	Understanding the physical and physiological principles of mitochondrial fission using live-cell super-resolution microscopy
<b>Kochanowski,</b> Karl	German	ETH Zurich, Switzerland	Steven Altschuler	University of California San Francisco, United States	Identifying the metabolic and regulatory determinants of drug tolerance in non-small-cell lung cancer models
<b>Kosche,</b> Georg	German	New York University (NYU)   New York, United States	Botond Roska	Friedrich Miescher Institute   Basel, Switzerland	Detection of visual motion in the cortex
<b>Malinowska,</b> Liliana	German	MPI für molekulare Zellbiologie und Genetik   Dresden, Germany	Paola Picotti	ETH Zurich, Switzerland	Systematic analysis of cellular responses to protein aggregation in the context of neurodegenerative diseases
<b>Mevissen,</b> Tycho	German	MRC Laboratory of Molecular Biology   Cambridge, United Kingdom	Johannes Walter	Harvard Medical School   Boston, United States	Biochemical analysis of transcription-coupled DNA interstrand cross-link repair
<b>Morgner,</b> Jessica	German	Max Planck Institute for Biology of Ageing   Cologne, Germany	Jacco Van Rheenen	Hubrecht Institute   Utrecht, Netherlands	The dynamics of cell-matrix interactions during metastasis formation and reactivation
<b>Müllner,</b> Fiona	German	MPI für Neurobiologie   Martinsried, Germany	Botond Roska	Friedrich Miescher Institute   Basel, Switzerland	Circuit analysis of thalamic visual processing and its modulation by long-range projections
<b>Saur,</b> Isabel	German	Australian National University   Canberra, Australia	Paul Schulze-Lefert	MPI für Züchtungsforschung   Köln, Germany	Targeting of host proteins by unrelated pathogen effectors and their surveillance by allelic immune receptors
<b>Sawyer,</b> Susanna	German	MPI für evolutionäre Anthropologie   Leipzig, Germany	Ludovic Orlando	University of Copenhagen, Denmark	Conservation genomics of endangered indigenous European horse breeds



**EMBO Long-Term Fellowships awarded in 2016 | EMBC Member States' nationals**

<b>Name</b>	<b>Nationality</b>	<b>Home laboratory</b>	<b>Group leader</b>	<b>Host laboratory</b>	<b>Project</b>
<b>Schmiedel,</b> Jörn	German	Charité – Universitätsmedizin   Berlin, Germany	Ben Lehner	Centro de Regulación Genómica (CRG)   Barcelona, Spain	Comprehensive analysis of expression- fitness functions (EFFs)
<b>Schmolka,</b> Nina	German	University of Lisbon, Portugal	Tuncay Baubec	University of Zurich, Switzerland	Comprehensive analysis of genomic binding preference and functional role of Lsh
<b>Schroer,</b> Carsten	German	University of Münster, Germany	Siewert-Jan Marrink	University of Groningen, Netherlands	Dynamics and thermodynamics of actin filament formation
<b>Sladitschek,</b> Hanna	German	EMBL   Heidelberg, Germany	Stefano Piccolo	Università di Padova, Italy	Elucidating the mechanism of mechanotransduction through YAP/TAZ
<b>Von Appen,</b> Alexander	German	EMBL   Heidelberg, Germany	Adam Frost	University of California   San Diego, United States	The role of ESCRT-III proteins in nuclear envelope reformation
<b>Zarkada,</b> Georgia	Greek	University of Helsinki, Finland	Anne Eichmann	Yale University School of Medicine   New Haven, United States	Neuropilin 1 as a novel target to inhibit ocular neovascularization
<b>Lyons,</b> Declan	Irish	Université Paris Descartes   Paris, France	Jason Rihel	University College London, United Kingdom	Investigating the neural circuit basis of sleep disturbance-induced cognitive deficits
<b>Schwartz,</b> Christian	Irish	Universitätsklinikum   Erlangen, Germany	Padraic Fallon	Trinity College   Dublin, Ireland	Checkpoint-control of adaptive immunity by innate lymphoid cells
<b>Alcolombri,</b> Uria	Israeli	Weizmann Institute of Science   Rehovot, Israel	Roman Stocker	ETH Zurich, Switzerland	Unraveling the microscale mechanisms driving particle degradation in the ocean
<b>Arzi,</b> Anat	Israeli	Weizmann Institute of Science   Rehovot, Israel	Tristan Bekinschtein	University of Cambridge, United Kingdom	A neural fingerprint of consciousness: brain processing in the absence of conscious awareness
<b>Bar-On,</b> Yotam	Israeli	The Hebrew University   Jerusalem, Israel	Michel Nussenzweig	Rockefeller University   New York, United States	Profiling HIV-1 integration sites selection and its association with viral productivity
<b>Biran,</b> Anat	Israeli	Weizmann Institute of Science   Rehovot, Israel	Jean-Laurent Casanova	Rockefeller University   New York, United States	Search for novel single-gene inborn errors of immunity underlying herpes simplex encephalitis of childhood
<b>Davidi,</b> Lital	Israeli	Weizmann Institute of Science   Rehovot, Israel	Sabeeha Merchant	University of California   Los Angeles, United States	Biochemical and molecular genetic analysis of iron homeostasis in Chlamydomonas
<b>Drayman,</b> Nir	Israeli	Weizmann Institute of Science   Rehovot, Israel	Savas Tay	University of Chicago, United States	Characterizing the innate immune response to Influenza virus infection in single cells
<b>Galili,</b> Dana	Israeli	MPI für Neurobiologie   Martinsried, Germany	Gregory Jefferis	MRC Laboratory of Molecular Biology   Cambridge, United Kingdom	Sexually dimorphic neuronal circuits underlying social behaviours in Drosophila

# EMBO Long-Term Fellowships awarded in 2016 | EMBC Member States' nationals

Name	Nationality	Home laboratory	Group leader	Host laboratory	Project
<b>Geula, Shay</b>	Israeli	Weizmann Institute of Science   Rehovot, Israel	Sean Morrison	University of Texas Southwestern Medical Center   Dallas, United States	Deciphering the mechanisms that regulate hematopoietic stem cell aging
<b>Gur-Cohen, Shiri</b>	Israeli	Weizmann Institute of Science   Rehovot, Israel	Elaine Fuchs	Rockefeller University   New York, United States	Dissecting the spatiotemporal crosstalk between hair follicle stem cells and the vascular capillary network
<b>Keren, Leeat</b>	Israeli	Weizmann Institute of Science   Rehovot, Israel	Michael Angelo	Stanford University, United States	Studying the tumor immune microenvironment in breast cancer using a novel multiplexed imaging platform
<b>Ordan, Eliahu</b>	Israeli	Weizmann Institute of Science   Rehovot, Israel	Jean-Paul Vincent	Francis Crick Institute   London, United Kingdom	The role of developmental signals in tissue-growth control
<b>Shipony, Zohar</b>	Israeli	Weizmann Institute of Science   Rehovot, Israel	William Greenleaf	Stanford University, United States	Understanding enhancer regulated gene response in ricin sensitivity
<b>Zviran, Asaf</b>	Israeli	Weizmann Institute of Science   Rehovot, Israel	Dan Landau	Genome Center   New York, United States	Algorithmically-driven cancer therapy to overcome cancer evolution and resistance
<b>Allegretti, Matteo</b>	Italian	MPI für Biophysik   Frankfurt, Germany	Martin Beck	EMBL   Heidelberg, Germany	High-resolution in situ structural investigation of nuclear pore complex assembly intermediates populated by depletion of newly synthesized nucleoporins
<b>Arbore, Giuseppina</b>	Italian	King's College   London, United Kingdom	Paolo Dellabona	San Raffaele Institute (HSR/TIGET)   Milano, Italy	Investigating the effects of immunogenic chemoradiation in shaping the immune landscape of esophageal cancers
<b>Bonavita, Eduardo</b>	Italian	Istituto Clinico Humanitas   Rozzano, Italy	Santiago Zelenay	University of Manchester, United Kingdom	Mechanisms of immune evasion in melanoma
<b>Caviglia, Sara</b>	Italian	University of Zurich, Switzerland	Elke Ober	University of Copenhagen, Denmark	Liver goes live: from migrating progenitors to functional epithelial units
<b>D'Amato, Gaetano</b>	Italian	Centro Nacional de Investigaciones Cardiovasculares (CNIC)   Madrid, Spain	Kristy Red-Horse	Stanford University, United States	Dach1 regulates endothelial responses to hemodynamic forces to stimulate artery growth and modulate vascular disease
<b>De Franceschi, Nicola</b>	Italian	University   Turku, Finland	Patricia Bassereau	Institut Curie   Paris, France	A novel model for ESCRT-III mediated membrane fission
<b>Inverso, Donato</b>	Italian	San Raffaele Institute/ DIBIT   Milano, Italy	Hellmut Augustin	Deutsches Krebsforschungszentrum (DKFZ)   Heidelberg, Germany	Defining a paradigm for hepatocellular carcinoma (HCC) cell microvascular invasion
<b>Legnini, Ivano</b>	Italian	Università 'La Sapienza'   Roma, Italy	Nikolaus Rajewsky	Max-Delbrück-Centrum   Berlin, Germany	Functional links between splicing and translation of circular RNAs and mRNAs in neural systems and single cells

**EMBO Long-Term Fellowships awarded in 2016 | EMBC Member States' nationals**

<b>Name</b>	<b>Nationality</b>	<b>Home laboratory</b>	<b>Group leader</b>	<b>Host laboratory</b>	<b>Project</b>
<b>Magrinelli,</b> Elia	Italian	Institut de Biologie Valrose   Nice, France	Denis Jabaudon	University of Geneva, Switzerland	Using single-cell transcriptomic approaches to unravel the functional diversity of cortical areas
<b>Petrungaro,</b> Carmelina	Italian	University of Cologne, Germany	Benoit Kornmann	ETH Zurich, Switzerland	Tracing lipids: How do organelles maintain their membranes?
<b>Sannino,</b> Sara	Italian	San Raffaele Institute/ DIBIT   Milano, Italy	Jeffrey Brodsky	University of Pittsburgh, United States	Protein quality control in cancer: ER-associated degradation and breast cancer subtypes
<b>Tschurtschenthaler,</b> Markus	Italian	University of Cambridge, United Kingdom	Dieter Saur	Technische Universität   München, Germany	Causes and consequences of inflammation in subtypes of sporadic intestinal cancer
<b>Zanini,</b> Fabio	Italian	MPI für Entwicklungsbiologie   Tübingen, Germany	Stephen Quake	Stanford University, United States	Coevolutionary dynamics between virus, target cells, and immune system during dengue infection
<b>Zauri,</b> Melania	Italian	University of Oxford, United Kingdom	Giulio Superti-Furga	CeMM   Vienna, Austria	Systematic identification of the cellular network of nucleotide metabolism
<b>Kolodziejczyk,</b> Aleksandra	Polish	Sanger Institute   Cambridge, United Kingdom	Eran Elinav	Weizmann Institute of Science   Rehovot, Israel	Deciphering cell–cell and cell– microbiome interactions of innate lymphoid cells at the single cell level
<b>Nowak,</b> Jakub	Polish	University of Edinburgh, United Kingdom	Jürgen Knoblich	IMBA   Vienna, Austria	Role of brain vasculature in cerebral organoid model of human cortical development
<b>Pasternak,</b> Michał	Polish	MRC Laboratory of Molecular Biology   Cambridge, United Kingdom	Alan Frederick Cowman	Walter and Eliza Hall Institute   Parkville, Australia	How are Plasmodium falciparum proteins directed to the parasite translocon to reach the host cell?
<b>Wrobel,</b> Lidia	Polish	International Institute of Molecular and Cell Biology   Warsaw, Poland	David C. Rubinsztein	Cambridge Institute for Medical Research (CIMR)   Cambridge, United Kingdom	Autophagy regulators acting via Annexin A2
<b>Guerreiro,</b> Isabel	Portuguese	University of Geneva, Switzerland	Jop Kind	Utrecht University, Netherlands	Regulatory dynamics at the Nanog locus throughout preimplantation development
<b>Monteiro,</b> Patrícia	Portuguese	Massachusetts Institute of Technology (MIT)   Cambridge (MA), United States	Nuno Sousa	Universidade do Minho   Braga, Spain	STRESSd BRAIN – functional impact of chronic stress exposure on corticostriatal neurons
<b>Pemovska,</b> Tea	Slovene	University of Helsinki, Finland	Giulio Superti-Furga	CeMM   Vienna, Austria	The triangle connecting nutrient transport, metabolism and drug sensitivity in blood cancers
<b>Boada Romero,</b> Emilio	Spanish	Universidad de Salamanca, Spain	Douglas R. Green	St. Jude Children's Research Hospital   Memphis, United States	Description and regulation of LAP- specific mechanisms

# EMBO Long-Term Fellowships awarded in 2016 | EMBC Member States' nationals

Name	Nationality	Home laboratory	Group leader	Host laboratory	Project
<b>Fernández-Agüera Rodríguez,</b> Maria Del Carmen	Spanish	Universidad   Sevilla, Spain	Nika Danial	Dana-Farber Cancer Institute   Boston, United States	Metabolic control of neural excitability: A role for BAD
<b>Garcia Bermudez,</b> Javier	Spanish	Centre for Molecular Biology 'Severo Ochoa'   Madrid, Spain	Kivanç Birsoy	Rockefeller University   New York, United States	The role of aspartate metabolism in cancer cell proliferation
<b>Garcia Osorio,</b> Fernando	Spanish	University of Oviedo, Spain	Fernando Camargo	Children's Hospital Boston   Boston, United States	Mechanistic insights into hematopoietic stem cell aging by using a new clonal tracking system and senolytic approaches
<b>Gonzalez Grandío,</b> Eduardo	Spanish	Centro Nacional de Biotecnología (CNB)   Madrid, Spain	Peter Quail	University of California   Berkeley, United States	Dissecting the multiple layers of post-occupancy modulation of PIF activity
<b>Iturbide,</b> Ane	Spanish	Hospital del Mar Medical Research Institute (IMIM)   Barcelona, Spain	Maria-Elena Torres-Padilla	Helmholtz Zentrum   München, Germany	Dynamics of chromatin states in a cellular model for totipotency to pluripotency transition
<b>Jimenez Guardado,</b> Jose Manuel	Spanish	Centro Nacional de Biotecnología (CNB)   Madrid, Spain	Michael H. Malim	King's College   London, United Kingdom	Identification of host factors involved in the IFN-induced block to HIV-1 infection
<b>Martín,</b> Guiomar	Spanish	Centre for Research in Agricultural Genomics (CRAG)   Cerdanyola del Vallès, Spain	Paula Duque	Instituto Gulbenkian de Ciência   Oeiras, Portugal	Role of alternative splicing in cell expansion and plant growth
<b>Montesinos López,</b> Juan Carlos	Spanish	University of Valencia, Spain	Eva Benkova	Institute of Science and Technology Austria (IST)   Klosterneuburg, Austria	Molecular mechanism of auxin-driven formative divisions delineating lateral root organogenesis in plants
<b>Oller-Salvia,</b> Benjamí	Spanish	IRBB – Institut de Recerca Biomedica   Barcelona, Spain	Jason W. Chin	MRC Laboratory of Molecular Biology   Cambridge, United Kingdom	Genetic encoding of phosphothreonine and its non-hydrolysable and photocaged derivatives
<b>Oriola,</b> David	Spanish	Universitat de Barcelona   Barcelona, Spain	Jan Brugges	MPI für molekulare Zellbiologie und Genetik   Dresden, Germany	Active forces shaping the metaphase spindle
<b>Ponce-Salvatierra,</b> Almudena	Spanish	MPI für biophysikalische Chemie   Göttingen, Germany	Marco Marcia	EMBL   Grenoble, France	Structural and functional studies of viral and host non-coding RNAs involved in HIV infection
<b>Povedano Selfa,</b> Juan Manuel	Spanish	Centro Nacional de Investigaciones Oncológicas (CNIO)   Madrid, Spain	Shahin Rafi	Weill Cornell Medical College   New York, United States	The role of telomerase-mediated angiocrine factors during metastasis

# EMBO Long-Term Fellowships awarded in 2016 | EMBC Member States' nationals

Name	Nationality	Home laboratory	Group leader	Host laboratory	Project
<b>Torreno-Pina,</b> Juan Andres	Spanish	ICFO – The Institute of Photonic Sciences   Castelldefels, Spain	Facundo Batista	Ragon Institute of MGH   MIT and Harvard, United States	Identifying and characterizing potential B cell germline precursors of broadly neutralizing HIV-1 antibodies in HIV-1 vaccinated or HIV-1 freshly infected patients
<b>Vento-Tormo,</b> Roser	Spanish	Universitat de Barcelona   Barcelona, Spain	Sarah A. Teichmann	European Bioinformatics Institute   Hinxton   Cambridge, United Kingdom	Delineating immune cells at the maternal-fetal interface in human early pregnancy one cell at a time
<b>Guettou,</b> Fatma	Swedish	Karolinska Institutet   Stockholm, Sweden	Roland Beckmann	Ludwig-Maximilians-Universität   München, Germany	Cryo-EM analysis of the yeast heptameric post-translational translocon in the membrane environment
<b>Malmgren Hill,</b> Sandra	Swedish	University   Gothenburg, Sweden	David C. Rubinsztein	Cambridge Institute for Medical Research (CIMR)   Cambridge, United Kingdom	Identifying modulators of Beclin 1 regulated autophagy using a CRISPR/Cas9 system
<b>Westman,</b> Johannes	Swedish	Lund University, Sweden	Sergio Grinstein	Hospital for Sick Children   Toronto, Canada	The role of danger signals in priming the phagocytic response in innate immunity
<b>Moor,</b> Andreas	Swiss	Swiss Federal Institute of Technology   Lausanne, Switzerland	Shalev Itzkovitz	Weizmann Institute of Science   Rehovot, Israel	The mammalian apicome – asymmetric RNA localization in epithelial tissues
<b>Pala,</b> Aurelie	Swiss	Swiss Federal Institute of Technology   Lausanne, Switzerland	Garrett Stanley	Georgia Institute of Technology   Atlanta, United States	Integration of tactile information across brain hemispheres
<b>Reinhard,</b> Katja	Swiss	Universität   Tübingen, Germany	Karl Farrow	VIB – Flanders Institute for Biotechnology   Gent, Belgium	Dissecting the neural circuits linking the retina and visually guided behavior
<b>Zimmermann,</b> Michael	Swiss	ETH Zurich, Switzerland	Andrew Goodman	Yale University School of Medicine   New Haven, United States	Modulation of drug metabolism by interpersonal microbiome variation
<b>Oburoglu,</b> Leal	Turkish	Institut de Génétique Moléculaire (IGMM)   Montpellier, France	Niels-Bjarne Woods	Lund University, Sweden	Elucidating the metabolic pathways controlling hematopoietic stem cell emergence

**EMBO Long-Term Fellowships awarded in 2016 | Non-EMBC Member States' nationals**

<b>Name</b>	<b>Nationality</b>	<b>Home laboratory</b>	<b>Group leader</b>	<b>Host laboratory</b>	<b>Project</b>
<b>De Silva,</b> Nilushi	American	Columbia University   New York, United States	Nicolas Manel	Institut Curie   Paris, France	In vivo functions of nuclear envelope rupture and antiviral specialization in dendritic cells
<b>DuBuc,</b> Timothy	American	University of Florida   St Augustine, United States	Uri Frank	National University of Ireland   Galway, Ireland	The molecular basis of sexual development in a cnidarian
<b>Gilbert,</b> Kimberly	American	University of British Columbia   Vancouver, Canada	Laurent Excoffier	University of Bern, Switzerland	Genetic impact of species range expansions and range shifts
<b>Hanley,</b> Olivia	American	New York University, United States	Theofanis Karayannis	University of Zurich, Switzerland	The interactions of Cajal-Retzius cells and GABAergic interneurons in regulating cortical circuit formation
<b>Kraushar,</b> Matthew	American	Rutgers University   Piscataway, United States	Christian Spahn	Charité - Universitätsmedizin   Berlin, Germany	Structural diversity of the ribosome as a molecular signature of brain development analyzed at near-atomic resolution
<b>McClure,</b> Allison	American	Duke University   Durham, United States	John F.X. Diffley	Francis Crick Institute   London, United Kingdom	The role of DDK and S-CDK in DNA replicative helicase activation and origin firing timing
<b>Sen,</b> Maya	American	Rockefeller University   New York, United States	Alexander van Oudenaarden	Hubrecht Institute   Utrecht, Netherlands	Quantifying symmetric and asymmetric divisions in vivo using single-cell sequencing
<b>Sorum,</b> Ben	American	Semmelweis University   Budapest, Hungary	Eiríkur Steingrímsson	University of Iceland   Reykjavík, Iceland	The role of the TRPM1 channel in pigmentation and melanoma
<b>Parra,</b> Rodrigo Gonzalo	Argentinean	University of Buenos Aires, Argentina	Johannes Soeding	MPI für biophysikalische Chemie   Göttingen, Germany	UniDom, Universal database of protein domains
<b>Berry,</b> Scott	Australian	John Innes Centre   Norwich, United Kingdom	Lucas Pelkmans	University of Zurich, Switzerland	Mechanisms of transcriptome regulation by cell volume and surface area
<b>Peres,</b> Raphael	Brazilian	University of Sao Paulo, Brazil	Fiona Powrie	University of Oxford, United Kingdom	Modulation of regulatory T cells responses by microbiota in rheumatoid arthritis
<b>Ard,</b> Ryan	Canadian	Wellcome Trust Centre   Edinburgh, United Kingdom	Sebastian Marquardt	University of Copenhagen, Denmark	Elucidating the magnitude and mechanism of gene regulation through the act of long non-coding transcription in higher organisms
<b>Farrow,</b> Scott	Canadian	University of Calgary, Canada	Sarah E. O'Connor	John Innes Centre   Norwich, United Kingdom	New frontiers in biohalogenation: from discovery to utility of elusive plant chlorinases
<b>Gunawan,</b> Felix	Canadian	University of Toronto, Canada	Didier Stainier	Max-Planck-Institut für Herz- und Lungenforschung   Bad Nauheim, Germany	Elucidating cellular and molecular mechanisms underlying heart valve morphogenesis in live zebrafish embryos

**EMBO Long-Term Fellowships awarded in 2016 | Non-EMBC Member States' nationals**

<b>Name</b>	<b>Nationality</b>	<b>Home laboratory</b>	<b>Group leader</b>	<b>Host laboratory</b>	<b>Project</b>
<b>Lopez,</b> Juan Pablo	Canadian	McGill University   Montreal, Canada	Alon Chen	Max Planck Institute of Psychiatry   München, Germany	Comprehensive study of noncoding RNAs in major depression and antidepressant treatment: mechanisms of action
<b>Neufeldt,</b> Christopher	Canadian	University of Alberta   Edmonton, Canada	Ralf Bartenschlager	Universität   Heidelberg, Germany	Understanding the mechanisms involved in the biogenesis of Dengue virus replication complexes
<b>Wulff,</b> Bonnie	Canadian	University of Oxford, United Kingdom	Werner Kühlbrandt	MPI für Biophysik   Frankfurt, Germany	High resolution structural study of the mitochondrial F1Fo-ATP synthase from <i>Polytomella</i> sp. by single particle electron cryomicroscopy
<b>Ba,</b> Wei	Chinese	Radboud University   Nijmegen, Netherlands	Nick Franks	Imperial College   London, United Kingdom	Capturing the neuronal ensembles underlying sleep and sedation
<b>Cheng,</b> Shiya	Chinese	National Institute of Biological Sciences (NIBS)   Beijing, China	Melina Schuh	MPI für biophysikalische Chemie   Göttingen, Germany	A high resolution 4D atlas of mammalian oocyte meiosis
<b>Guo,</b> Ya	Chinese	Jiao Tong University   Shanghai, China	Matthias Merkenschlager	MRC Clinical Sciences Centre   London, United Kingdom	The dynamics of gene expression and 3D chromatin folding in a mammalian developmental system: the role of CTCF and cohesin
<b>Li,</b> Cai	Chinese	Beijing Genomics Institute (BGI)   Shenzhen, China	Nicholas Luscombe	Francis Crick Institute   London, United Kingdom	Joint evolutionary and functional genomic analysis of human transcription start sites in recent history
<b>Li,</b> Lei	Chinese	Chinese Academy of Sciences   Beijing, China	Detlef Weigel	MPI für Entwicklungsbiologie   Tübingen, Germany	Mechanistic basis of plant autoimmunity
<b>Tang,</b> Shan	Chinese	Tsinghua University   Beijing, China	Jason W. Chin	MRC Laboratory of Molecular Biology   Cambridge, United Kingdom	Photocontrol of protein phosphorylation in mammalian cells via genetic encoding of photocaged phosphoserine
<b>Revelo Nuncira,</b> Natalia Hasel	Colombian	Universität   Göttingen, Germany	Geert van den Bogaart	Radboud University   Nijmegen, Netherlands	Polarized cytokine release at the dendritic cell immune synapse
<b>Petridou,</b> Nicoletta	Cypriot	University of Cyprus   Nicosia, Cyprus	Carl-Philipp Heisenberg	Institute of Science and Technology Austria (IST)   Klosterneuburg, Austria	The generation and function of anisotropic tissue tension in zebrafish epiboly
<b>Anandapadamanaban,</b> Madhanagopal	Indian	Linköping University, Sweden	Roger Williams	MRC Laboratory of Molecular Biology   Cambridge, United Kingdom	Structural mechanisms underpinning the negative regulation of mTORC1
<b>Dugar,</b> Gaurav	Indian	University   Würzburg, Germany	Leendert Hamoen	University of Amsterdam, Netherlands	RNA localization in bacteria

**EMBO Long-Term Fellowships awarded in 2016 | Non-EMBC Member States' nationals**

<b>Name</b>	<b>Nationality</b>	<b>Home laboratory</b>	<b>Group leader</b>	<b>Host laboratory</b>	<b>Project</b>
<b>Priya,</b> Rashmi	Indian	The University of Queensland   Brisbane, Australia	Didier Stainier	Max-Planck-Institut für Herz- und Lungenforschung   Bad Nauheim, Germany	Delineating the cytomechanics of cardiac trabeculation
<b>Shetty,</b> Sunil	Indian	Indian Institute of Science   Bangalore, India	Michael N. Hall	Biozentrum   University of Basel, Switzerland	Exploring novel factors involved in translation regulation during mTOR signaling in Hepatocellular Carcinoma
<b>Kato,</b> Hirotaka	Japanese	Kyoto University, Japan	Dolf Weijers	Wageningen University, Netherlands	Dissecting the complete auxin response network in an early-diverging land plant
<b>Nagasaka,</b> Kota	Japanese	The Cancer Institute of JFCR   Tokyo, Japan	Jan-Michael Peters	IMP   Vienna, Austria	Elucidation of cohesin-mediated spatial organization of chromatin structure
<b>Abbas,</b> Mohamad	Lebanese	Instituto de Biología Molecular y Celular de Plantas   Valencia, Spain	Jiri Friml	Institute of Science and Technology Austria (IST)   Klosterneuburg, Austria	Identification of new regulators on PIN-FORMED3 polarity
<b>Chew,</b> Yee Lian	Malaysian	University of Sydney, Australia	William Schafer	MRC Laboratory of Molecular Biology   Cambridge, United Kingdom	Mechanisms of neuromodulation-dependent survival behaviours in <i>Caenorhabditis elegans</i>
<b>De Niz,</b> Mariana	Mexican	University of Bern, Switzerland	Matthias Marti	University of Glasgow, United Kingdom	Visualizing malaria transmission stage dynamics: mechanisms mediating <i>Plasmodium</i> gametocyte host-pathogen interactions in the skin
<b>Dorobantu,</b> Cristina	Romanian	Utrecht University, Netherlands	Raphael Gaudin	Institut de Recherche sur les Maladies Virales et Hépatiques   Strasbourg, France	Dynamics of virus-receptor interactions revealed by live single particle and single molecule microscopy
<b>Dodonova,</b> Svetlana	Russian	EMBL   Heidelberg, Germany	Patrick Cramer	MPI für biophysikalische Chemie   Göttingen, Germany	Structural plasticity in nucleosomal arrangements
<b>Sarkisyan,</b> Karen	Russian	Russian Academy of Sciences   Moscow, Russian Federation	Fyodor Kondrashov	Centro de Regulación Genómica (CRG)   Barcelona, Spain	Experimental exploration of global fitness landscape of a protein family
<b>Lin,</b> ZheWang	Singaporean	Cornell University   Ithaca, United States	Ramanujan S. Hegde	MRC Laboratory of Molecular Biology   Cambridge, United Kingdom	The mechanisms and substrates of Ribosome-Associated Quality Control
<b>Ku,</b> Chuan	Taiwanese	Heinrich Heine University   Düsseldorf, Germany	Assaf Vardi	Weizmann Institute of Science   Rehovot, Israel	Coccolithophore-associated microbiome: dynamics and interactions
<b>Rodriguez Solovey,</b> Lesia Natacha	Ukrainian	Instituto de Biología Molecular y Celular de Plantas   Valencia, Spain	Jiri Friml	Institute of Science and Technology Austria (IST)   Klosterneuburg, Austria	Cell surface receptor complexes for auxin signaling in plants





## EMBO Long-Term Fellowships 2016: Geographical distribution

### Applications

	Nationality																																				
Destination	Austrian	Belgian	Croatian	Czech	Danish	Estonian	Finnish	French	German	Greek	Hungarian	Icelandic	Indian (A)	Irish	Israeli	Italian	Lithuanian	Luxembourgian	Maltese	Dutch	Norwegian	Polish	Portuguese	Singaporean (A)	Slovak	Slovenian	Spanish	Swedish	Swiss	Turkish	British	Eastern Europe	USA/Canada	Others	Total		
Austria	2	1						4	3				3		2	2				1		2				2	2					3	2	7	36		
Belgium								4	7	1	2		4			1							3				3		1	1	1	2	2	8	40		
Croatia																																			0		
Czech Republic							1						1												2		2								6		
Denmark	1			1				3	5	1	2		5			1				3		2					2			1	3	2	4	8	44		
Estonia																																			0		
Finland						1		1					3			1											2					1		1	10		
France		3		2				11	5	2			21		3	11				3		3	3				12		1	3	3	3	9	30	128		
Germany	1	2	1	1			1	13	8	4			25		2	19				3		3	3		1		13	2	1	1	5	3	23	24	159		
Greece									1	2				1																1					5		
Hungary																1											1								2		
Iceland																																	1		1		
India (A)													3																						3		
Ireland							1		2				2	2		1											2						2	1	13		
Israel				1				3	3		2		9	1								3					3		1			2		2	30		
Italy								3	3				6			14				1			1				1					1		5	35		
Lithuania																																			0		
Luxembourg																																			0		
Malta																																			0		
Netherlands				1				5	5	1			9		1	1				2		2	3				8			1	1	3	4	7	54		
Norway					1				1																							1		1	4		
Poland																						1												1	2		
Portugal		1					1	3					1			1							7				8							1	23		
Singapore (A)								2	2	1			2							1		1					8								9		
Slovak Republic				1																															1		
Slovenia																																			0		
Spain	1	1		1				5	3	2			8	1		4	1	1				1	2			1	5						5	2	11	55	
Sweden	1			1	1		3	5	9	2			10		1	2				6		2	2			1	9			1	4	2	4	13	79		
Switzerland					1		1	11	19	3	1		15		1	14	1			4		1	6				2	2	3	1	2	2	8	14	112		
Turkey																																			0		
UK	2	5	2	1		1	1	20	24	5	3		31	2	7	15				7		4	8	2			30	4		1	6	6	17	50	254		
EMBL			1					1					2			1			1					1			2						1	1	3	14	
Eastern Europe																													1							1	
USA/Canada	5	12	3	2	2		3	72	46	5	6		8	4	67	27				23	2	9	14				61	12	6	6	13	1	1	1	411		
Others		1	1				1	10	1		1		2			1				4		1	2				4		1						30		
Total	13	26	8	12	5	2	13	176	147	29	17	0	170	11	84	117	2	1	1	58	2	35	54	3	3	4	172	21	14	17	40	36	80	188	1561		

## EMBO Long-Term Fellowships 2016: Geographical distribution

### Awards

Destination	Nationality																				Total
Austria								1							1						9
Belgium																					1
Croatia																					0
Czech Republic																					0
Denmark								2				1			2				1	1	7
Estonia																					0
Finland																					0
France								1				1							1	1	4
Germany							2	1			1			3		1			2	1	22
Greece																					0
Hungary																					0
Iceland																				1	1
India (A)																					0
Ireland										1										1	2
Israel															1					1	3
Italy							1	1				1									3
Lithuania																					0
Luxembourg																					0
Malta																					0
Netherlands							1	3			1					1				1	9
Norway																					0
Poland																					0
Portugal							1											1			2
Singapore (A)																					0
Slovak Republic																					0
Slovenia																					0
Spain	1							1							1					1	4
Sweden								1						1					1	1	4
Switzerland							3	8		1	1	2		3					1		22
Turkey																					0
UK		2	2				2			1	1	3	1		1		1		3	1	29
EMBL												1							1		2
Eastern Europe																					0
USA/Canada	1	2		1			2	6	5	1			9	3		3			7	1	45
Others															1						1
<b>Total</b>	<b>2</b>	<b>4</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>16</b>	<b>24</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>2</b>	<b>13</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11</b>	<b>170</b>

# EMBO Advanced Fellowships →→

*EMBO Advanced Fellowships*, launched in 2014, offer an additional two years of funding for EMBO Long-Term Fellows who demonstrate exceptional progress during their postdoctoral work. The fellowship allows the awardees to complete their postdoctoral research in the host laboratory and to establish their own line of research.

## EMBO Advanced Fellowships awarded in 2016

Name	Nationality	Host laboratory	Group leader	Project
<b>Gomez,</b> Andrea	American	Biozentrum   University of Basel, Switzerland	Peter Scheiffele	Functional mapping of a synaptic adhesive code in neurons
<b>Eskandarian,</b> Haig Alexander	French	Swiss Federal Institute of Technology   Lausanne, Switzerland	John McKinney	Revealing mycobacterial surface physiology using dual atomic force and optical microscopy
<b>Rousseau,</b> Adrien	French	MRC Laboratory of Molecular Biology   Cambridge, United Kingdom	Anne Bertolotti	Characterization of the stress-mediated proteasome assembly pathway
<b>Petzold,</b> Georg	German	Friedrich Miescher Institute   Basel, Switzerland	Nicolas Thomä	Understanding the rules of clinically effective targeted protein degradation induced by immune modulatory drugs
<b>Alfieri,</b> Claudio	Italian	MRC Laboratory of Molecular Biology   Cambridge, United Kingdom	David Barford	Molecular function of macromolecular assemblies involved in mitotic progression and maintenance of transcriptional states through mitosis

# EMBO Short-Term Fellowships →→

## EMBO Short-Term Fellowships: Statistics

### Applications and awards 1977–2016

Year	Applications	Awards	Success rate %
2016**	618	350	57
2015**	401 (557)	194 (288)	48 (52)
2014	548	284	52
2013	560	280	50
2012	585	312	53
2011	506	281	55
2010	421	219	52
2009	495	255	52
2008	395	213	54
2007	409	211	52
2006	393	194	49
2005	383	201	52
2004	301	167	55
2003	289	138	48
2002	252	170	67
2001	233	124	53
2000	274	176	64
1999	230	138	60
1998	279	143	51
1997	339	188	55
1996	316	180	57
1995	325	187	57
1994	369	203	55
1993	376	209	55
1992	351	213	61
1991	344	194	56
1990	346	211	61
1989	331	199	60
1988	351	211	60
1987	301	212	70
1986	309	215	70
1985	304	221	73
1984	320	226	71
1983	335	223	67
1982	321	213	66
1981	339	235	69
1980	357	242	68
1979	344	243	71
1978	349	244	70
1977	294	213	72

### Applications and awards 2000–2016

Country from*	Applications	% of total	Awards	% of total	Success rate %
Austria	84	1	44	1	52
Belgium	117	2	80	2	68
Croatia	57	1	28	1	49
Czech Republic	113	2	69	2	61
Denmark	37	1	22	1	59
Estonia	12	<1	8	<1	67
Finland	51	1	27	1	53
France	322	5	205	5	64
Germany	451	6	276	7	61
Greece	209	3	118	3	56
Hungary	151	2	88	2	58
Iceland	16	<1	11	<1	69
Ireland	75	1	45	1	60
Israel	211	3	143	4	68
Italy	1006	14	534	14	53
Luxembourg	2	<1	2	<1	100
Netherlands	195	3	121	3	62
Norway	18	0	9	<1	50
Poland	265	4	140	4	53
Portugal	192	3	107	3	56
Slovak Republic	27	<1	16	<1	59
Slovenia	66	1	36	1	55
Spain	1284	18	678	18	53
Sweden	57	1	38	1	67
Switzerland	73	1	48	1	66
Turkey	147	2	56	1	38
United Kingdom	235	3	148	4	63
Eastern Europe	403	6	182	5	45
Others	1187	17	490	13	41
<b>Total</b>	<b>7063</b>	<b>99</b>	<b>3769</b>	<b>99</b>	<b>53</b>

\* “Country from” refers to nationality

\*\* For reasons of consistency and future compatibility, the annual reporting interval had to be changed in 2016. The 2016 figures shown include all applications that were decided upon in the 2016 calendar year, including 156 applications that were already reported for 2015. The numbers in brackets are those originally shown in the 2015 EMBO facts & figures brochure, which were based on the previous reporting interval.

### EMBO Short-Term Fellowships awarded in 2016

Name	Nationality	Home laboratory	Group leader	Host laboratory	Project
<b>Kouidmi,</b> Imene	Algerian	Université   Montreal, Canada	Athanasios Typas	EMBL   Heidelberg, Germany	High-throughput bacterial genetics to study the biology of the Gram-negative bacterial envelope with an optimized phenotypic assay
<b>Drapek,</b> Colleen	American	Duke University   Durham, United States	Niko Geldner	University   Lausanne, Switzerland	Defining a minimal gene network to root endodermis differentiation
<b>Haldipur,</b> Parthiv	American	University of Washington   Seattle, United States	Paula Alexandre	University College London, United Kingdom	Human-specific cerebellar developmental strategies inform mechanisms of cerebellar evolution and disease pathogenesis
<b>Markolovic,</b> Suzana	American	University of Oxford, United Kingdom	Joris Messens	Vrije Universiteit Brussels, Belgium	Expanding the known chemistry of 2-oxoglutarate-dependent oxygenases: investigation of a potential methionine oxidase
<b>Moreno-Roman,</b> Paola	American	Stanford University, United States	Irina Kolotueva	University   Lausanne, Switzerland	Correlative microscopy investigation of a cell differentiation checkpoint in the Drosophila adult midgut
<b>Ruggiero,</b> Michael	American	University   Syracuse, United States	Roberto Dovesi	Università   Torino, Italy	Understanding biological vibrational relaxation dynamics through the calculation of anharmonicity effects
<b>Shea,</b> Claire	American	Trinity College   Dublin, Ireland	Amitabha Bandyopadhyay	Indian Institute of Technology   Kanpur, India	The impact of mechanical stimuli on BMP and Wnt signalling in the developing joint
<b>Steinbrenner,</b> Adam	American	University of California   Berkeley, United States	Cyril Zipfel	The Sainsbury Laboratory   Norwich, United Kingdom	Identification of a legume-specific receptor for the herbivore-derived peptide elicitor inceptin
<b>Stewart,</b> Kathleen	American	University   Copenhagen, Denmark	Konrad Hochedlinger	Harvard Medical School   Boston, United States	Defining the role of replication in somatic cell reprogramming
<b>Acland Strack,</b> Rachel Paola	Argentinean	National University of Córdoba   Córdoba, Spain	Ana-Maria Lennon-Dumenil	Institut Curie   Paris, France	Role of Leukocyte Specific Protein 1 (LSP1) in the cytoskeleton dynamics of dendritic cells, effects on their migration and adaptive immune response induction
<b>Alonso,</b> Carlos Agustín	Argentinean	University of Buenos Aires, Argentina	Anders Johannisson	Swedish University of Agricultural Sciences   Uppsala, Sweden	Dynamic of tyrosine phosphorylation in bicarbonate and cAMP-induced capacitation
<b>Bueno,</b> Carlos	Argentinean	University of Buenos Aires, Argentina	Tim Sparwasser	Medizinische Hochschule   Hannover, Germany	Epigenetic modulation of dendritic cells during murine cytomegalovirus infection
<b>D'Ambrosio,</b> Juan Martín	Argentinean	Universidad Nacional   Mar del Plata, Argentina	Mats Andersson	University of Gothenburg   Göteborg, Sweden	Unraveling the role of Phosphatidylinositol-phospholipase C 2 (AtPLC2) in defense against non-adapted and adapted pathogens in Arabidopsis thaliana
<b>Denita Juarez,</b> Silvina Paola	Argentinean	Fundacion Instituto Leloir   Buenos Aires, Argentina	Andrea Bassi	Politecnico di Milano   Milano, Italy	Imaging Ca <sup>2+</sup> and Reactive Oxygen Species (ROS) dynamics in single plants cells using biosensors coupled to Selective Plane Illumination Microscopy (SPIM)

### EMBO Short-Term Fellowships awarded in 2016

Name	Nationality	Home laboratory	Group leader	Host laboratory	Project
<b>Emiliani,</b> Julia	Argentinean	Universidad Nacional   Rosario, Argentina	Manuel Rodríguez-Concepción	Centre for Research in Agricultural Genomics   Barcelona, Spain	The role of isoprenoids in the protection against UV-B radiation
<b>Giovannoni,</b> Federico	Argentinean	University of Buenos Aires, Argentina	Peter Hemmerich	Leibniz-Institut fuer Altersforschung   Jena, Germany	Exploring the intrinsic antiviral role of PML against dengue virus
<b>Hojjman,</b> Esteban	Argentinean	Universitat Pompeu Fabra   Barcelona, Spain	Jon Clarke	King's College   London, United Kingdom	Geometry of epithelial cavities: making lumen initiation foci by optogenetics
<b>Marchetti,</b> Fernanda	Argentinean	Universidad Nacional   Mar del Plata, Argentina	Takenaka Mizuki	Universität   Ulm, Germany	Mitochondrial pentatricopeptide repeats (PPR)-containing proteins are essential to sustain embryo development in <i>Arabidopsis thaliana</i>
<b>Mayta,</b> Martín	Argentinean	Instituto de Biología Molecular y Celular de Rosario   IBR, Argentina	Mohammad-Reza Hajirezaei	Leibniz-Institut für Pflanzengenetik und Kulturpflanzenforschung (IPK)   Gatersleben, Germany	Evaluating tobacco plants with delayed leaf senescence
<b>Mecchia,</b> Martín	Argentinean	University of Buenos Aires, Argentina	Ueli Grossniklaus	University of Zurich, Switzerland	Importance of RALF peptides during pollen tube growth in <i>Arabidopsis thaliana</i>
<b>Metz,</b> Sebastián Darío	Argentinean	Universidad Nacional   San Martín, Argentina	Enrique Miguel Lara Pandis	University   Neuchâtel, Switzerland	Influence of climate on microbial eukaryotic diversity as determined by environmental high throughput sequencing
<b>Mlewski,</b> Estela	Argentinean	National University of Córdoba   Córdoba, Spain	Emmanuelle Gérard	Université Diderot (Paris 7)   Paris, France	Microbe-mineral interactions and carbonate precipitation in extreme environments: implications for CO2 storage in carbonates
<b>Najle,</b> Sebastian	Argentinean	Universitat Pompeu Fabra   Barcelona, Spain	Linas Mazutis	Vilnius University, Lithuania	On the origin of cell differentiation at the onset of animals
<b>Paparini,</b> Daniel Esteban	Argentinean	University of Buenos Aires, Argentina	John D. Aplin	University of Manchester, United Kingdom	Effect of VIP on vascular transformation through the modulation of macrophage-trophoblast interactions at early pregnancy
<b>Quarracino,</b> Cecilia	Argentinean	University of Buenos Aires, Argentina	José Rodríguez	Achucarro Basque Center for Neuroscience   Zamudio, Spain	Characterization of human astrocytic alterations: from animal models to patients
<b>Roselli,</b> Emiliano	Argentinean	National University of Córdoba   Córdoba, Spain	Philippe Benaroch	Institut Curie   Paris, France	TLR3 ligand poly A:U based cancer immunotherapy and its effect on the tumor-infiltrating myeloid compartment
<b>Scuffi,</b> Denise	Argentinean	Universidad Nacional   Mar del Plata, Argentina	Markus Schwarzländer	Universität Bonn, Germany	Unveiling the role of ROS in H2S-induced stomatal closure in <i>Arabidopsis thaliana</i>

### EMBO Short-Term Fellowships awarded in 2016

Name	Nationality	Home laboratory	Group leader	Host laboratory	Project
<b>Zárate,</b> Sandra	Argentinean	University of Buenos Aires, Argentina	Tinna V. Stevnsner	Aarhus University, Denmark	Role of long-term ovarian hormone deprivation and early hormone replacement treatments on base excision repair mechanisms in synaptic and non-synaptic mitochondria from the cortex and hippocampus
<b>Nersisyan,</b> Lilit	Armenian	National Academy of Sciences of Armenia   Yerevan, Armenia	Karl Lenhard Rudolph	Leibniz-Institut fuer Altersforschung   Jena, Germany	Telomere shortening induced alteration in the epigenome and transcriptome as a cause of stem cell and organismal aging
<b>Balez,</b> Rachelle	Australian	University   Wollongong, Australia	Ron M.a. Heeren	University   Maastricht, Netherlands	Identifying alterations to the lipid composition of individual neurite membranes during Alzheimer's disease using human induced pluripotent stem cell models
<b>Bargehr,</b> Johannes	Austrian	University of Cambridge   Cambridge, United Kingdom	Charles E. Murry	University of Washington   Seattle, United States	Human stem cell derived epicardium in myocardial graft development
<b>El-Heliebi,</b> Amin	Austrian	Medical University   Graz, Austria	Mats Nilsson	Stockholm University, Sweden	In situ detection of prostate specific transcripts in prostate cancer by padlock probe technology
<b>Heffeter,</b> Petra	Austrian	Medical University of Vienna, Austria	Gergely Szakacs	Research Centre for Natural Sciences   Budapest, Hungary	Collateral sensitivity of multidrug-resistant cancer cells towards KP772 in vivo
<b>Hoernes,</b> Thomas	Austrian	Medical University   Innsbruck, Austria	Simpson Joseph	University of California   San Diego, United States	Post-transcriptional nucleotide modifications and their impact on protein synthesis
<b>Shashkova,</b> Sviatlana	Belarusian	University   Gothenburg, Sweden	Mark C. Leake	University   York, United Kingdom	Observing protein–protein interactions at single-molecule level in living cells
<b>Cox,</b> Benoit	Belgian	Katholieke Universiteit   Leuven, Belgium	Cynthia Andoniadou	King's College   London, United Kingdom	Pituitary deficiency and regeneration: in search of underlying mechanisms and therapeutic targets with a focus on Wnt/Lgr5
<b>Cerqueira,</b> Fernanda	Brazilian	Ben-Gurion University of the Negev   Beer-Sheva, Israel	Luca Scorrano	Università di Padova, Italy	In vivo and in vitro role of the neuronal deubiquitinase UCH-L1 on mitochondria-endoplasmatic reticulum tethering and mitophagy
<b>Broad,</b> John	British	Queen Mary   University of London, United Kingdom	Taher Darreh-Shori	Karolinska Institutet   Stockholm, Sweden	An investigation of age-related changes of expression and function of choline acetyltransferase in the human colon
<b>Chalkley,</b> Oliver	British	University of Bristol, United Kingdom	Oliver Purcell	Massachusetts Institute of Technology, United States	Developing predictive methods for designing minimal/reduced genomes



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Name	Nationality	Home laboratory	Group leader	Host laboratory	Project
<b>Davies,</b> Alexandra	British	Institute for Medical Research (CIMR)   Cambridge, United Kingdom	Georg Borner	MPI für Biochemie   Martinsried, Germany	Proteomic investigations of adaptor protein complex 4 (AP-4) function in human cells
<b>Dorling,</b> Jack	British	University of Oxford, United Kingdom	Sergio Filipe	Instituto de Tecnologia Química e Biologia   Oeiras, Portugal	Hiding behind the wall: exploring PGN recycling in a Gram positive bacterium and its potential role in host-microbe interaction
<b>Lewis,</b> Samuel	British	University of Cambridge   Cambridge, United Kingdom	Eric C. Lai	Memorial Sloan-Kettering Cancer Center   New York, United States	The evolution of endogenous small-interfering RNA mechanisms in arthropods
<b>Lopez-Moya,</b> Federico	British	University of Alicante   Alicante, Spain	Nicholas J. Talbot	University of Exeter, United Kingdom	Determining the role of oxidative stress and plasma membrane homeostasis in the response of <i>Magnaporthe oryzae</i> and <i>Pochonia chlamydosporia</i> to chitosan
<b>Villar Lozano,</b> Diego	British	Cancer Research UK Cambridge Institute   Cambridge, United Kingdom	David Gaynor	Kalahari Research Centre   Kuruman, South Africa	Comparative genomics of mole-rat enhancer activity: unearthing gene-regulation adaptations to a subterranean environment
<b>Wheatley,</b> Lucy	British	University of Oxford, United Kingdom	Scott Fraser	University of Southern California (USC)   Los Angeles, United States	In vivo imaging of key lateral plate mesoderm populations
<b>Zhao,</b> Buyun	British	MRC Laboratory of Molecular Biology   Cambridge, United Kingdom	Hang Lu	Georgia Institute of Technology   Atlanta, United States	Imaging neuromodulation in <i>C. elegans</i>
<b>Hsieh,</b> Wei Yuan	Canadian	University of Edinburgh, United Kingdom	Timothy Osborne	Sanford-Burnham Medical Research Institute   La Jolla, United States	Macrophage-hepatocyte crosstalk through 25-hydroxylase generation of 25-hydroxycholesterol in the liver
<b>Sanders,</b> Ashley	Canadian	University of British Columbia   Vancouver, Canada	Jan Korbel	EMBL   Heidelberg, Germany	Characterizing structural variants using integrative sequencing technologies to explore normal variation in the human genome
<b>Carreras Sureda,</b> Amado	Chilean	Universidad de Chile   Santiago de Chile, Chile	Geert Bultynck	Katholieke Universiteit   Leuven, Belgium	A novel physiological role of the ER stress sensor IRE1 in fine-tuning mitochondrial function
<b>Wang,</b> Yong	Chinese	University   Copenhagen, Denmark	Michele Parrinello	ETH Zurich, Switzerland	Exploring the coupling of ligand binding and protein dynamics using metadynamics
<b>Ye,</b> Weihua	Chinese	Stockholm University, Sweden	Ralf Bernd Klösgen	Universität   Halle-Wittenberg, Germany	Solution structure of AtcoreTatA and its interaction with lipids: the role of TatA in the twin-arginine transport pathway across the thylakoid membrane

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Name	Nationality	Home laboratory	Group leader	Host laboratory	Project
<b>Zhang, Jing</b>	Chinese	Institut Pasteur   Paris, France	Danielle Malo	McGill University   Montreal, Canada	Characterization of the host immune response to Salmonella typhimurium infection in highly susceptible mice
<b>Muñoz Lasso, Diana Carolina</b>	Colombian	Centro de Investigacion Principe Felipe (CIPF)   Valencia, Spain	Mark Pook	Brunel University   London, United Kingdom	Study of dynamics of axonal growth of sensory neurons from YG8sR mouse model for Friedreich's ataxia
<b>Dumic-Cule, Ivo</b>	Croatian	University   Zagreb, Croatia	Serena Zacchigna	ICGEB   Trieste, Italy	Role of BMP1-3 antibody in preventing fibrosis after acute myocardial infarction
<b>Miljuš, Tamara</b>	Croatian	Paul Scherrer Institut   Villigen, Switzerland	Michel Bouvier	Université   Montreal, Canada	Ligand-induced signalling of human cannabinoid CB2 receptor
<b>Musa, Marina</b>	Croatian	Mediterranean Institute for Life Sciences   Split, Croatia	Ira Milosevic	European Neuroscience Institute   Göttingen, Germany	Mitochondria-peroxisome interaction and its role in aging
<b>Montalvo Bereau, Galia Magela</b>	Cuban	Center of Molecular Immunology   Havana, Cuba	George Coukos	University   Lausanne, Switzerland	Deciphering the impact of interleukin-2 and rationally designed variants on tumor vasculature endothelial cells
<b>Morales Tarré, Orlando</b>	Cuban	Center of Molecular Immunology   Havana, Cuba	Alan J. Dickson	University of Manchester, United Kingdom	Application of 'omics in the metabolic study of high cell density continuous cell cultures of recombinant NS0 myeloma cell lines
<b>Yabor Cabrera, Lourdes</b>	Cuban	Universidad   Ciego de Avila, Cuba	Oscar Vicente	Universidad Politecnica   Valencia, Spain	Selection and characterization of bean cultivars resistant to drought and/or salinity
<b>Gahura, Ondrej</b>	Czech	Biology Centre   Ceske Budejovice, Czech Republic	John E. Walker	MRC Mitochondrial Biology Unit   Cambridge, United Kingdom	Structure of F1-ATPase from Trypanosoma brucei
<b>Janečková, Eva</b>	Czech	Institute of Animal Physiology and Genetics   Brno, Czech Republic	Abigail Tucker	King's College   London, United Kingdom	Impact of matrix metalloproteinases on tooth development
<b>Polídarova, Lenka</b>	Czech	Academy of Sciences of the Czech Republic   Prague, Czech Republic	Michael H. Hastings	MRC Laboratory of Molecular Biology   Cambridge, United Kingdom	Internal topology of the SCN network and its connectivity with extra-SCN regions
<b>Zálešák, Jan</b>	Czech	IMBA   Vienna, Austria	Antoine Loquet	Université de Bordeaux   Bordeaux, France	Signal transduction in Type 3 Secretion Systems
<b>Groenberg, Christina</b>	Danish	University   Copenhagen, Denmark	Jose M. Arguello	Polytechnic Institute   Worcester, United States	Deciphering copper and interaction complexes of copper-transporting P-type ATPases
<b>O'Sullivan, Angela</b>	Danish	Aarhus University, Denmark	Michael Dickinson	California Institute of Technology   Pasadena, United States	The neuromuscular basis of multifunctional motor control during courtship song and flight in Drosophila
<b>Aleyd, Esil</b>	Dutch	VU University   Amsterdam, Netherlands	Attila Mocsai	Semmelweis University   Budapest, Hungary	The role of auto-antibodies and Fc receptors in rheumatoid arthritis

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Name	Nationality	Home laboratory	Group leader	Host laboratory	Project
<b>Hoffmann,</b> Carolyn	Dutch	University   Maastricht, Netherlands	Dennis Burton	The Scripps Research Institute   La Jolla, United States	Isolation of human autoantibodies against ion channels and associated proteins
<b>Jongsma,</b> Marlieke	Dutch	Sanquin Research   Amsterdam, Netherlands	J Huppa	Medical University of Vienna, Austria	Characterize the lacto-glycosphingolipid influence on MHC class I cell surface organization
<b>Smit,</b> Margo	Dutch	Wageningen University, Netherlands	Siobhan Brady	University of California   Davis, United States	Identification of potential regulators of vascular identity using yeast one hybrid
<b>Verbon,</b> Eline	Dutch	Utrecht University, Netherlands	Louisa Liberman	Duke University   Durham, United States	Deciphering the genetic signalling pathways within the Arabidopsis thaliana root in response to the beneficial microbe Pseudomonas simiae
<b>Willemsen,</b> Anouk	Dutch	Instituto de Biología Molecular y Celular de Plantas   Valencia, Spain	Mark Zwart	Wageningen University, Netherlands	Predicting the stability of gene insertions in a plant RNA virus
<b>Yam,</b> Kit-Yi Yam	Dutch	University   Amsterdam, Netherlands	Sarah Spencer	RMIT University   Melbourne, Australia	Role of the metabolic hormone ghrelin in the early-life stress induced cognitive impairments
<b>Gadalla,</b> Mohamed Rasheed	Egyptian	Freie Universität   Berlin, Germany	Gisou van der Goot	Swiss Federal Institute of Technology   Lausanne, Switzerland	Identification of DHHC proteins catalysing acylation of HA, a modification essential for Influenza virus replication
<b>Saar,</b> Kadi-Liis	Estonian	University of Cambridge, United Kingdom	David Weitz	Harvard University   Cambridge, United States	Screening phototrophic organisms for their exoelectrogenic ability for improving the performance of biological solar cells
<b>Saare,</b> Mario	Estonian	University   Tartu, Estonia	Judith Zaugg	EMBL   Heidelberg, Germany	Age-related epigenetic changes in the monocyte cell population with implications in both innate and adaptive immune system
<b>Abreha,</b> Kibrom Berhe	Ethiopian	Swedish University of Agricultural Sciences (SLU)   Alnarp, Sweden	Renier A. L. Van Der Hoorn	University of Oxford, United Kingdom	Leaf apoplast proteome profiling of field grown Solanum species using Activity Based Protein Profiling (ABPP)
<b>Dela Cruz,</b> Thomas Edison	Filipino	University of Santo Tomas   Manila, Philippines	Irina Druzhinina	Vienna University of Technology   Vienna, Austria	Molecular phylogeny and in situ DNA barcoding of marine Trichoderma associated with the macroalgae Laurencia intermedia (Rhodophyta) and Sargassum piluliferum (Phaeophyta) collected in the Philippines
<b>Paavola,</b> Jere	Finnish	Minerva Foundation Institute for Medical Research   Helsinki, Finland	Abriel Hugues	University   Bern, Switzerland	TRPM4 in cardiac electrophysiology

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<b>Tarkkonen,</b> Kati	Finnish	University   Turku, Finland	Andre Van Wijnen	University of Massachusetts   Worcester, United States	LSD1 target genes and mechanism of action during osteoblast differentiation
<b>Bailleul,</b> Benjamin	French	Institut de Biologie Physico-Chimique   Paris, France	Assaf Vardi	Weizmann Institute of Science   Rehovot, Israel	Dinoflagellates inhibit diatom photosynthesis
<b>Boulain,</b> Hélène	French	Institut National de la Recherche Agronomique (INRA)   Paris, France	Sam Mugford	John Innes Centre   Norwich, United Kingdom	Functional analyses of Myzus persicae salivary genes that are orthologous to the key salivary genes of Acyrthosiphon pisum
<b>Ferreras,</b> Laura	French	Newcastle University, United Kingdom	Marion Kusche-Gullberg	University   Bergen, Norway	Exploring cell surface glycosaminoglycans role in transplantation: heparan sulfate 3-O sulfation in renal epithelial cells
<b>Fidelin,</b> Kevin	French	Institut du Cerveau et de la Moelle épinière (ICM)   Paris, France	David McLean	Northwestern University   Evanston, United States	Connectivity mapping of GABAergic spinal sensory neurons: identification of the source of modulation of V2a interneurons, implication for the control of locomotor activity
<b>Gouguet,</b> Paul	French	University of Bordeaux   Bordeaux, France	Sophien Kamoun	The Sainsbury Laboratory   Norwich, United Kingdom	Understanding the role of the plasma membrane raft protein REMORIN in Phytophthora infestans disease
<b>Gouy De Bellocq,</b> Joelle	French	Institute of Vertebrate Biology   Brno, Czech Republic	Mark Blaxter	University of Edinburgh, United Kingdom	Population genomics of pinworm parasites in the European house mouse hybrid zone
<b>Le Guennec,</b> Kilan	French	French Institute of Health and Medical Research (INSERM)   Paris, France	Lucía Chávez-Gutiérrez	Katholieke Universiteit   Leuven, Belgium	In vitro and cellular analysis of a novel Alzheimer's disease-related Presenilin-1 partial deletion identified by exome sequencing
<b>Louveaux,</b> Marion	French	École Normale Supérieure   Lyon, France	Dolf Weijers	Wageningen University, Netherlands	Cell division plane orientation: trade-off between two polarizing cues, auxin and mechanical stress
<b>Pigeault,</b> Romain	French	Institut de recherche pour le développement   Montpellier, France	Pedro Vale	University of Edinburgh, United Kingdom	The impact of microbiota on transgenerational immune priming in Drosophila
<b>Poirier,</b> Enzo	French	Institut Pasteur   Paris, France	Benjamin TenOever	Mount Sinai School of Medicine   New York, United States	Interplay between the recombination of RNA viruses and the activation of mammalian innate immunity
<b>Rey,</b> Elodie	French	Institute of Experimental Botany   Olomouc, Czech Republic	Ute Roessner	University of Melbourne, Australia	Interaction between a host plant genome and introgressed chromatin
<b>Brungs,</b> Sonja	German	Institute of Aerospace Medicine   Köln, Germany	Alamelu Sundaresan	Texas Southern University   Houston, United States	Impact of AHCC as a nutritional supplement to obviate immune suppression in (simulated) microgravity

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<b>Diepold,</b> Andreas	German	University of Oxford, United Kingdom	Matthias Christen	ETH Zurich, Switzerland	Coordinating Virulence and Cell Cycle: Integration of the Type III Secretion System within the c-di-GMP regulation system
<b>Gebhardt,</b> Christoph	German	Institut Curie   Paris, France	Isaac Bianco	University College London, United Kingdom	Neural substrates of binocular vision in the zebrafish
<b>Gebhart,</b> Veronika	German	University Hospital   Jena, Germany	Brian Harvey	Royal College of Surgeons in Ireland   Dublin, Ireland	E2 KCNQ: beta-catenin in colorectal cancer
<b>Hartmann,</b> Anja	German	University   Innsbruck, Austria	Nektarios Aligiannis	National and Kapodistrian University   Athens, Greece	Abiotic stress induced metabolomic changes in extremophiles and the discovery of novel molecules with skin protecting activities
<b>Helm,</b> Martin	German	Universität   Göttingen, Germany	Bo Huang	University of California San Francisco, United States	The dynamic nanoscale organization of core postsynaptic proteins
<b>Herrmann,</b> Ann-Kathrin	German	Johannes-Gutenberg- Universität   Mainz, Germany	Victoria M. Bolotina	University School of Medicine   Boston, United States	Immunomodulatory effects of dimethyl fumarate are caused by oxidation of the intracellular calcium pump SERCA
<b>Imkeller,</b> Katharina	German	Deutsches Krebsforschungszentrum (DKFZ)   Heidelberg, Germany	William Schief	The Scripps Research Institute   La Jolla, United States	Computer-aided characterization of antibody binding to Plasmodium falciparum circumsporozoite protein
<b>Kristen,</b> Henrike	German	Centre for Molecular Biology 'Severo Ochoa'   Madrid, Spain	Paul Saftig	Universität   Kiel, Germany	Role of LAMP2 in the Alzheimer's disease- like neurodegeneration events induced by HSV-1
<b>Miesen,</b> Pascal	German	Radboud University   Nijmegen, Netherlands	María Carla Saleh	Institut Pasteur   Paris, France	Investigating endogenous piRNA biogenesis in adult Aedes mosquitoes
<b>Rosendahl,</b> Sibylle	German	Universität   Regensburg, Germany	Bärbel Rohrer	Medical University of South Carolina   Charleston, United States	Investigations into the pathomechanisms of age-related macular degeneration (AMD): the role of complement in AMD
<b>Schiebel,</b> Johannes	German	Philipps-Universität Marburg, Germany	Andrea Cavalli	Italian Institute of Technology   Genova, Italy	How ligands actually enter and leave binding pockets of proteins
<b>Taudt,</b> Aaron	German	University   Groningen, Netherlands	Gavin Kelsey	Babraham Institute   Cambridge, United Kingdom	Combinatorial chromatin and DNA methylation mapping in early embryo single cells
<b>Thangaratnarajah,</b> Chancievan	German	Wellcome Trust / Cancer Research UK Gurdon Institute   Cambridge, United Kingdom	Alexey Amunts	Science for Life Laboratory   Solna, Sweden	Molecular mechanism of regulation and transport of mitochondrial aspartate/ glutamate carriers by cryo-electron microscopy
<b>Wallaschek,</b> Nina	German	University   Würzburg, Germany	Claire Shannon-Lowe	University of Birmingham, United Kingdom	EBV-associated gastric carcinoma (EBVaGC): establishment of a novel EBV infection model using 3D human gastric organoids

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<b>Wallroth,</b> Alexander	German	Leibniz-Institut für Molekulare Pharmakologie (FMP)   Berlin, Germany	Lois Weisman	University of Michigan   Ann Arbor, United States	Phosphatidylinositol 3,4-bisphosphate in endolysosomal membrane traffic and nutrient signalling
<b>Weinert,</b> Julia Franziska	German	Institut D'Investigacions Biomèdiques August Pi i Sunyer (IDIBAPS)   Barcelona, Spain	Oxana Eschenko	MPI für Biologische Kybernetik   Tübingen, Germany	Brain-state dependent sensory gating: a role of noradrenergic modulation
<b>Wiegand,</b> Anika	German	Heinrich Heine University   Düsseldorf, Germany	Kazuki Terauchi	Ritsumeikan University   Kusatsu, Japan	Towards understanding more complex cyanobacterial circadian clocks – biochemical characterization of a non-standard KaiC protein
<b>Zäncker,</b> Birthe	German	GEOMAR   Kiel, Germany	Michael Cunliffe	Marine Biological Association of the UK   Plymouth, United Kingdom	Analysis of the marine microbial community at the air-sea interface in the Peruvian upwelling regime
<b>Arbi,</b> Marina	Greek	University   Patras, Greece	Monica Bettencourt-Dias	Instituto Gulbenkian de Ciência   Oeiras, Portugal	The role of Geminin superfamily members in centriole biogenesis
<b>Chanoumidou,</b> Konstantina	Greek	IMBB – FORTH   Heraklion, Greece	Henrik Ahlenius	Lund University, Sweden	GRG5: A novel player in neural commitment and generation of induced neuronal cells?
<b>Drimyli,</b> Efsthia	Greek	Biomedical Sciences Research Center 'Alexander Fleming'   Athens, Greece	Gregg Roman	University   Houston, United States	Differential response of a single receptor to odorant isotopes
<b>Pavloudi,</b> Christina	Greek	Hellenic Centre for Marine Research   Crete, Greece	Michael W. Friedrich	Universität   Bremen, Germany	Concurrent activity of sulfate reducing and denitrifying bacteria in the Namibian oxygen minimum zone identified by RNA stable isotope probing
<b>Vasilakaki,</b> Sofia	Greek	National and Kapodistrian University   Athens, Greece	Klaus Liedl	University   Innsbruck, Austria	Mapping the catalytic center of enzymes based on their substrate specificity
<b>Belic,</b> Jelena	Hungarian	Medical University   Graz, Austria	Nitzan Rosenfeld	Cancer Research UK Cambridge Institute   Cambridge, United Kingdom	Early detection of relapse in patients with prostate cancer treated with curative radical prostatectomy
<b>Borbély,</b> Gábor	Hungarian	Karolinska Institutet   Stockholm, Sweden	Giuseppe Testa	European Institute of Oncology (IEO)   Milano, Italy	Transcriptomic profiling of stem cell differentiation after endocrine disruptive chemical exposure
<b>Bugris,</b> Valéria	Hungarian	Biological Research Centre   Szeged, Hungary	Claes Von Wachenfeldt	Lund University, Sweden	Where are the protons? Studying the structure of Triose Phosphate Isomerase by neutron crystallography
<b>Cseh,</b> Anna Mária	Hungarian	University   Pécs, Hungary	Luca Scorrano	Università di Padova, Italy	The role of PARP inhibition on mitochondrial dynamics

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<b>Mártonfalvi,</b> Zsolt	Hungarian	Semmelweis University   Budapest, Hungary	Julio Fernandez	Columbia University   New York, United States	Folding transitions in native titin molecules studied at physiological forces
<b>Papdi,</b> Csaba	Hungarian	Royal Holloway University of London   Egham, United Kingdom	Rossana Henriques	Universitat Autònoma de Barcelona   Cerdanyola, Spain	Entrainment of the Arabidopsis circadian clock by nutrient availability through Retinoblastoma related1-mediated histone modifications
<b>Sebestyén,</b> Mónika	Hungarian	Eötvös Loránd University   Budapest, Hungary	Luis Rivas	Centro de Investigaciones Biológicas (CIB/CSIC)   Madrid, Spain	Investigation of the anti-Leishmania effect and mechanism of action of MTX- bioconjugates in vitro
<b>Szántai,</b> Ágnes	Hungarian	University   Szeged, Hungary	Rosalinda Madonna	University   Chieti, Italy	Investigation of cardiocytoprotection of cardiac stem cell-derived cardiac myocytes in vitro, in simulated ischemia/ reoxygenation test system
<b>Appadurai,</b> Muthamil Iniyan	Indian	Manonmaniam Sundaranar University   Tirunelveli, India	Dr.joachim Wink	Helmholtz-Zentrum für Infektionsforschung   Braunschweig, Germany	Polyphasic taxonomy identification of novel actinomycete and genome mining of its biosynthetic pathways
<b>Azhikkattuparambil Bhaskaran,</b> Arjun	Indian	University of Bordeaux   Bordeaux, France	Fritjof Helmchen	University of Zurich, Switzerland	Defects in the structural-functional connectivity of S1 to M1 and S2 underlie object localization/texture discrimination deficits in the Fmr1-/- mouse model of intellectual disability disorder and autism
<b>Basu,</b> Subhajit	Indian	The Interuniversity Institute for Marine Sciences   Eilat, Israel	Martha Gledhill	GEOMAR   Kiel, Germany	Dust and mineral iron utilization by natural colonies of the cyanobacteria Trichodesmium spp. and their associated bacteria
<b>Chatterjee,</b> Antra	Indian	Banaras Hindu University   Varanasi, India	Alberto Marina	Instituto de Biomedicina de Valencia (IBV)   Valencia, Spain	Crystallographic studies of All2110, Alr0765 and All3014 hypothetical proteins from Anabaena PCC 7120 with potency in multiple stress tolerance
<b>Ganesan,</b> Sathiyarayanan	Indian	Konkuk University   Seoul, Republic of Korea	Alan Dobson	University College   Cork, Ireland	Functional metagenomic approaches to discover polyhydroxyalkanoates from the marine sponge microbiome
<b>Ghosh,</b> Utpal	Indian	University of Kalyani   Nadia, India	Francois Chevalier	Commissariat à l'énergie atomique et aux énergies alternatives   Caen, France	Role of PARP-1 in DNA repair and apoptosis in 3-D chondrosarcoma cells irradiated with carbon ion beam
<b>Jamsheer K.,</b> Muhammed	Indian	National Institute of Plant Genome Research   New Delhi, India	Lyubov Ryabova	Université   Strasbourg, France	Examining the role of target of Rapamycin signalling pathway in plant adaptation to variable light conditions and light stress
<b>Joseph,</b> Jennifer	Indian	M S Swaminathan Research Foundation   Chennai, India	Luigi Lucini	Università Cattolica del Sacro Cuore   Piacenza, Italy	An integrative analysis of genomics, proteomics and metabolomics provides new insights into response mechanism to salt stress in Halophytes

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<b>Joshi,</b> Hiren	Indian	Bhabha Atomic Research Centre   Kalpakkam, India	Victor de Lorenzo	Instituto Investigaciones Biomédicas (CSIC)   Madrid, Spain	Is the bacterial cytoplasm a one-pot reactor? Exploring metabolic channelling in <i>Pseudomonas putida</i>
<b>Joshi,</b> Rakesh	Indian	University of Pune   Pune, India	Wilfried Schwab	Technische Universität   München, Germany	Structural and molecular characterization of <i>Vitis vinifera</i> terpene glycosyltransferases (VvdGTs)
<b>Kumar Ballamoole,</b> Krishna	Indian	Nitte University   Mangalore, India	Raz Zarivach	Ben-Gurion University of the Negev   Beer-Sheva, Israel	Elucidating the crystal structure of important protein components of <i>Vibrio parahaemolyticus</i> of type III secretion system
<b>More,</b> Kunal	Indian	International Centre for Genetic Engineering   New Dehli, India	Jyoti Choudhary	Sanger Institute   Cambridge, United Kingdom	Quantitative proteomic and phosphoproteomic analysis of merozoite stage of human malaria parasite <i>Plasmodium falciparum</i>
<b>Nandkishore,</b> Nitya	Indian	National Centre for Biological Sciences   Bangalore, India	Michael Schubert	Observatoire Océanologique   Villefranche-sur-mer, France	Conservation of mechanisms patterning mesoderm along the anterior-posterior axis and evolutionary origin of mesodermal compartments
<b>Natarajan,</b> Nivedita	Indian	Centro de Regulación Genómica (CRG)   Barcelona, Spain	Alexander Stein	MPI für biophysikalische Chemie   Göttingen, Germany	In vitro analysis of the Asi mediated ERAD
<b>Padhi,</b> Srichandan	Indian	North Orissa University   Baripada, India	Antonio Evidente	Università 'Federico II'   Napoli, Italy	Isolation and chemical characterization of secondary metabolites associated with some endolichenic fungi
<b>Rai,</b> Neha	Indian	University of Helsinki, Finland	Susanne Neugart	Leibniz-Institut für Gemüse- und Zierpflanzenbau   Großbeeren, Germany	Metabolite accumulation in plants in response to solar and simulated UV radiation and their interaction with drought stress
<b>Rathore,</b> Sorbhi	Indian	Science for Life Laboratory   Solna, Sweden	Michal Minczuk	MRC Mitochondrial Biology Unit   Cambridge, United Kingdom	Identification of a new ribosome biogenesis factor in human mitochondria
<b>Samal,</b> Pinak	Indian	University   Maastricht, Netherlands	Alfonso Martinez Arias	University of Cambridge   Cambridge, United Kingdom	Controlling primitive streak and gastrulation-like events in embryoid bodies using 3D microfluidic systems
<b>Singh,</b> Warispreet	Indian	Northumbria University   Newcastle upon Tyne, United Kingdom	Alessio Lodola	Università degli Studi di Parma, Italy	Histone lysine demethylases: insight in to conformational dynamics and free energy of binding from molecular modelling simulations
<b>Thorat,</b> Leena	Indian	Savitribai Phule Pune University   Pune, India	Hans-Joachim Pflüger	Freie Universität   Berlin, Germany	Investigating the neuronal basis of desiccation stress tolerance in <i>Drosophila</i> with reference to the functional significance of biogenic amine neurotransmitters



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<b>Verma,</b> Shailender Kumar	Indian	Central University of Himachal Pradesh   Kangra, India	Catherine Curie	Unité de Biochimie et Physiologie Moléculaire des Plantes (BPMP)   Montpellier, France	Molecular characterization of mineral distribution in high grain Fe and Zn wheat- Aegilops derivatives
<b>Walke,</b> Gulshan	Indian	Agharkar Research Institute   Pune, India	Peter Fallert	Université   Strasbourg, France	Modified peptides as chelating agents against Amyloid peptide-Cu complex and associated toxicity in Alzheimer's disease
<b>Ramayanti,</b> Octavia	Indonesian	Cancer Center   Amsterdam, Netherlands	Anders Ståhlberg	University   Gothenburg, Sweden	Ultrasensitive multiplexed DNA/miRNA digital PCR by DNA barcoding for non- invasive disease monitoring and early detection of relapse in blood specimens from patients with nasopharyngeal carcinoma
<b>Mosaffa,</b> Payman	Iranian	Universitat Politècnica de Catalunya   Barcelona, Spain	Yanlan Mao	University College London, United Kingdom	Numerical simulation of wound healing
<b>Belton,</b> Samuel	Irish	University College   Dublin, Ireland	Enrique Flores	Instituto de Bioquímica Vegetal y Fotosíntesis (IBVF)   Sevilla, Spain	Using a triparental mating system to deliver gene-replacement constructs to the cyanobacterium Nostoc punctiforme for the generation of knockout mutations
<b>Bourke,</b> Peter	Irish	Wageningen University, Netherlands	Christine Hackett	The James Hutton Institute   Invergowrie, United Kingdom	Double reduction and its implications for QTL mapping in polyploid species
<b>Duncan,</b> Henry (hal)	Irish	Trinity College   Dublin, Ireland	Nicola Partridge	New York University, United States	Analysis of the expression, distribution and role of selected class II histone deacetylases in mineralising dental pulp tissue
<b>Kearney,</b> Cathal	Irish	Royal College of Surgeons in Ireland   Dublin, Ireland	Jonathan Garlick	Tufts University   Boston, United States	Fabrication of tissue engineering scaffolds for diabetic wound healing using extracellular matrix from induced pluripotent stem cell-derived fibroblasts
<b>Lyons,</b> Joseph	Irish	Aarhus University, Denmark	Arne Möller	MPI für Biophysik   Frankfurt, Germany	Structural characterisation of yeast P4-type ATPase using cryo-electron microscopy
<b>Maher,</b> Geoffrey	Irish	University of Oxford, United Kingdom	Ewa Rajpert-De Meyts	University   Copenhagen, Denmark	Identifying clones of mutant spermatogonia in human testes
<b>Mullins,</b> Niamh	Irish	King's College   London, United Kingdom	Naomi Wray	The University of Queensland   Brisbane, Australia	Integration of 'omics' datasets to understand the biology of major depressive disorder
<b>Afanzar,</b> Oshri	Israeli	Weizmann Institute of Science   Rehovot, Israel	Richard Berry	University of Oxford, United Kingdom	Study of single CheY molecules with respect to binding of the flagellar motor and acetylation

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Name	Nationality	Home laboratory	Group leader	Host laboratory	Project
<b>Avitan Hersh,</b> Emily	Israeli	Technion   Haifa, Israel	Ze'Ev Ronai	Sanford-Burnham Medical Research Institute   La Jolla, United States	The role of RNF4, a SUMO-targeted-ubiquitin-ligase, in melanoma development and resistance to chemotherapy
<b>Ben Or-Frank,</b> Mor	Israeli	Ben-Gurion University of the Negev   Beer-Sheva, Israel	Gerhard Holzapfel	Technical University   Graz, Austria	Image-based analysis of soft collagenous tissues
<b>Beryozkin-Munitz,</b> Avigail	Israeli	The Hebrew University   Jerusalem, Israel	Uwe Wolfrum	Johannes-Gutenberg-Universität   Mainz, Germany	Development of new avenues of treatments for retinal degenerations
<b>Britstein,</b> Maya	Israeli	University of Haifa   Haifa, Israel	Ana Riesgo	Natural History Museum   London, United Kingdom	Molecular mechanisms of host-microbe interaction in marine sponges
<b>Burgsdorf,</b> Ilia	Israeli	University of Haifa   Haifa, Israel	Kim M. Handley	University of Auckland, New Zealand	From free living existence to intracellular symbiosis: genomic features of the facultative symbiont <i>Candidatus Synechococcus feldmannii</i>
<b>David,</b> Ahuvit	Israeli	Tel Aviv University, Israel	Reuven Agami	Netherlands Cancer Institute   Amsterdam, Netherlands	Profiling of active enhancers bound by RPE-specific-TFs: focusing on the roles of the Ldb/Lhx2 complex in transcription regulation at the RPE
<b>Even,</b> Aviel	Israeli	Tel Aviv University, Israel	Laurent Nguyen	University   Liège, Belgium	The Elongator complex is recruited to neuronal vesicles where it controls retrograde transport via acetylation of motor proteins
<b>Mayseless,</b> Oded	Israeli	Weizmann Institute of Science   Rehovot, Israel	Andre Fiala	Universität   Göttingen, Germany	Interneuronal communication during developmental neuronal remodeling in <i>Drosophila</i>
<b>Nagler,</b> Adi	Israeli	Weizmann Institute of Science   Rehovot, Israel	Daniel Peeper	Netherlands Cancer Institute   Amsterdam, Netherlands	Identifying new genetic modifiers in response to MEK targeted therapy in NRAS mutant melanoma
<b>Nisani,</b> Sophia	Israeli	Weizmann Institute of Science   Rehovot, Israel	Eckhard Wolf	Ludwig-Maximilians-Universität   München, Germany	In vivo investigations of the putative tumor suppressor gene Tsh2 in a knockout mouse model
<b>Schleyer,</b> Guy	Israeli	Weizmann Institute of Science   Rehovot, Israel	Joern Piel	ETH Zurich, Switzerland	Deciphering the metabolic landscape during host-virus interactions of the bloom-forming phytoplankton <i>Emiliania huxleyi</i>
<b>Ambrosetti,</b> Elena	Italian	University   Trieste, Italy	Ana Teixeira	Karolinska Institutet   Stockholm, Sweden	Her2 localization, dimerization, shedding in living cells: a nanotechnology and super-resolution fluorescence approach
<b>Bortot,</b> Andrea	Italian	Università degli Studi   Verona, Italy	David Fushman	University of Maryland   College Park, United States	Polyubiquitin-chain recognition by nanoparticle receptors

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<b>Calì,</b> Bianca	Italian	Università di Padova, Italy	Pablo Vargas	Institut Curie   Paris, France	Targeting chemokine signalling to modulate cancer cells nuclear deformability
<b>Callegari,</b> Andrea	Italian	Swiss Federal Institute of Technology   Lausanne, Switzerland	Davide Mazza	Università Vita-Salute San Raffaele   Milano, Italy	Quantitative FRAP (qFRAP) assessment of p65-NFkB binding kinetics in living cells
<b>Cappelletti,</b> Valentina	Italian	Fondazione Edmund Mach   San Michele all'Adige, Italy	Paola Picotti	ETH Zurich, Switzerland	Large scale mass spectrometry-based analysis of protein structural changes during the unicellular-to-multicellular epigenetic transition in natural yeast
<b>Carlón,</b> Azzurra	Italian	University of Florence   Sesto Fiorentino, Italy	Garib Murshudov	MRC Laboratory of Molecular Biology   Cambridge, United Kingdom	Improving the integration of NMR in macromolecular structure refinement software
<b>Carpi,</b> Sara	Italian	Università   Pisa, Italy	Vincenzo Cerullo	University of Helsinki, Finland	Evaluation of the combination of immune checkpoint inhibitors with oncolytic vaccines in cutaneous melanoma models
<b>Carusone,</b> Teresa Maria	Italian	CNR   Napoli, Italy	Joel L. Sussman	Weizmann Institute of Science   Rehovot, Israel	Structure determination of proteins of biotechnological interest: expression of Sulfolobus acidocaldarius PLL and the human paraoxonase PON2 in E. coli and insect cells
<b>Cella Zanacchi,</b> Francesca	Italian	ICFO – The Institute of Photonic Sciences   Castelldefels, Spain	Michael Pusch	Advanced Biotechnology Centre   Genova, Italy	Quantitative single molecule localization studies of CLC-Kb/Barttin chloride channels
<b>Ciregia,</b> Federica	Italian	Università   Pisa, Italy	Arturo Sala	Brunel University   London, United Kingdom	Investigating the role of exosomes in MYCN tumorigenesis
<b>Cordella,</b> Martina	Italian	Istituto Superiore di Sanità   Roma, Italy	Salvatore Valitutti	Centre de Physiopathologie de Toulouse-Purpan   Toulouse, France	Looking at a melanoma cell and its microenvironment
<b>Corso,</b> Massimiliano	Italian	Free University of Brussels, Belgium	Alex Costa	Università degli Studi   Milano, Italy	Study of intracellular calcium dynamics and stress response mediated by CCX2 and CAX1 genes in Arabidopsis
<b>Corvino,</b> Angela	Italian	Università 'Federico II'   Napoli, Italy	Annalisa Pastore	King's College   London, United Kingdom	Fragment-based de novo design of a cystathionine gamma-lyase selective inhibitor blocking hydrogen sulfide production
<b>Cristofani,</b> Riccardo Maria	Italian	Università degli Studi   Milano, Italy	Giampietro Schiavo	University College London, United Kingdom	Deficits in axonal retrograde transport in motor neuron diseases
<b>Cuomo,</b> Claudia	Italian	Stazione Zoologica Anton Dohrn   Naples, Italy	Veronica Hinman	Carnegie Mellon University (CMU)   Pittsburgh, United States	Evolution of a gene regulatory network for gut development

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<b>De Pascalis,</b> Chiara	Italian	Institut Pasteur   Paris, France	Xavier Trepât	Institut de Bioenginyeria de Catalunya (IBEC)   Barcelona, Spain	Assessing the role of intermediate filaments in collective cell migration through forces
<b>Della Torre,</b> Sara	Italian	Università degli Studi   Milano, Italy	Nina Henriette Uhlenhaut	Helmholtz Zentrum   München, Germany	HEROIC_AGE: Hepatic Estrogen ReceptOr alpha and the Incidence of NAFLD and Cardiovascular diseases in AGEing women
<b>Foglietta,</b> Federica	Italian	Università   Torino, Italy	Giulio C. Spagnoli	University of Basel, Switzerland	Engineered perfused three dimensional models: first steps towards a new tailored pharmacology approach in breast cancer
<b>Franchi,</b> Nicola	Italian	Università di Padova, Italy	L. Courtney Smith	The George Washington University   Washington, United States	Factor H from echinoderms: growing complexity of the invertebrate innate immunity
<b>Gastaldello,</b> Annalisa	Italian	University   Southampton, United Kingdom	Anthony Purcell	Monash University   Clayton, Australia	Identifying peptide candidates for a vaccine against the contagious cancer, devil facial tumour disease
<b>Gatta,</b> Alberto	Italian	University College London, United Kingdom	Anne-Claude Gavin	EMBL   Heidelberg, Germany	Protein-lipid interactome landscape of LAMs
<b>Ghini,</b> Veronica	Italian	Università degli Studi   Firenze, Italy	Irit Sagi	Weizmann Institute of Science   Rehovot, Israel	Integrating 'OMICS': metabolomics & proteomics to study IDB
<b>Gravino,</b> Matteo	Italian	Università 'La Sapienza'   Roma, Italy	Saskia Hogenhout	John Innes Centre   Norwich, United Kingdom	Role of plant cell wall and cell wall-derived oligogalacturonides in defense against aphids
<b>Lauria,</b> Fabio	Italian	University   Trento, Italy	Guido Sanguinetti	University of Edinburgh, United Kingdom	RiboWaves: development of a mathematical model of eukaryotic translation integrating ribosomes and RNA binding proteins occupancies by multi- dimensional profiles
<b>Magri,</b> Andrea	Italian	Università degli Studi   Catania, Italy	Jeff Abramson	University of California   Los Angeles, United States	Crystallization of voltage dependent anion selective channel isoform 3 (VDAC3)
<b>Malinverni,</b> Roberto	Italian	Josep Carreras Leukaemia Foundation   Barcelona, Spain	Amos Tanay	Weizmann Institute of Science   Rehovot, Israel	Genome-wide analysis of the role of macroH2A histone variants in chromatin architecture and nuclear organization
<b>Masgras,</b> Ionica	Italian	Università di Padova, Italy	Lu Q. Le	University of Texas Southwestern Medical Center   Dallas, United States	TRAPPING the metabolic adaptations of NF1-associated tumors
<b>Maturo,</b> Maria Giovanna	Italian	University   L'Aquila, Italy	Rajiv Kumar	Deutsches Krebsforschungszentrum (DKFZ)   Heidelberg, Germany	Characterization of TERT promoter in basal cell carcinoma
<b>Melloni,</b> Giorgio	Italian	Istituto Italiano di Tecnologia (IIT)   Milano, Italy	Eleftheria Zeggini	Sanger Institute   Cambridge, United Kingdom	Next generation association studies in isolated populations

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<b>Menga,</b> Alessio	Italian	Università   Bari, Italy	Massimiliano Mazzone	Vesalius Research Center   Leuven, Belgium	Unraveling the molecular mechanisms underlying the oncosuppressive role of slc25a26 in cervical cancer
<b>Mercatelli,</b> Eleonora	Italian	Università degli Studi   Firenze, Italy	Philipp Selenko	Leibniz-Institut für Molekulare Pharmakologie (FMP)   Berlin, Germany	Atomic-resolution analysis of protein– protein interactions in live cells
<b>Mirabelli,</b> Mario Francesco	Italian	ETH Zurich, Switzerland	Janusz Pawliszyn	University of Waterloo   Waterloo, Canada	Direct SPME-DBDI-MS coupling for rapid, ultrasensitive and non-chromatographic analysis of drugs and metabolites in human body fluids
<b>Monteleone,</b> Emanuele	Italian	Università   Torino, Italy	Pier Paolo Pandolfi	Beth Israel Deaconess Medical Center (BIDMC)   Boston, United States	STAT3-dependent pluripotency control via stem-cell specific lincRNAs
<b>Montemiglio,</b> Linda Celeste	Italian	Università degli Studi di Roma 'Tor Vergata'   Rome, Italy	Amedee Des Georges	New York University, United States	Cryo-EM structure of the HIPK2-p53 complex, the key to oncosuppression in DNA-damaged cells
<b>Ottaviani,</b> Daniele	Italian	Università di Padova, Italy	Michael Cheetham	University College London, United Kingdom	Protein kinase CK2 phosphorylates the HSP70 chaperone and modulates its neuroprotective function
<b>Passaro,</b> Diana	Italian	The Francis Crick Institute   London, United Kingdom	David Fooksman	Albert Einstein College of Medicine   New York, United States	Intravital observation of the bone marrow in long bones
<b>Pennisi,</b> Rosa	Italian	Università degli Studi Roma Tre   Roma, Italy	Thomas Helleday	Science for Life Laboratory   Solna, Sweden	The interplay between the DNA damage response and metabolism in cancer cell proliferation
<b>Pilotto,</b> Simona	Italian	Università   Pavia, Italy	Daniela Rhodes	Nanyang Technological University Singapore, Singapore	Structural studies of LSD2-NPAC and LSD1- CoREST1 in complex with nucleosome by CryoEM
<b>Pinamonti,</b> Giovanni	Italian	International School for Advanced Studies   Trieste, Italy	Noé Frank	Freie Universität   Berlin, Germany	RNA base fraying: a molecular dynamics study analyzed with Markov state models
<b>Poli,</b> Maura	Italian	University   Brescia, Italy	Jeffrey Esko	University of California San Diego   La Jolla, United States	Hepcidin, iron and heparan sulfates
<b>Rosini,</b> Elena	Italian	University of Insubria   Varese, Italy	Dario Neri	ETH Zurich, Switzerland	A targeted enzymatic therapy based on oxidative stress: a promising tool for cancer treatment
<b>Sagheddu,</b> Claudia	Italian	University of Cagliari   Cagliari, Italy	István Katona	Institute of Experimental Medicine of the Hungarian Academy of Sciences, Hungary	Molecular adaptations in brain reward system following prenatal cannabinoid exposure

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<b>Santorelli,</b> Marco	Italian	Telethon Institute of Genetics & Medicine (TIGEM)   Pozzuoli, Italy	Ryoichiro Kageyama	Kyoto University, Japan	Characterization of a synthetic ultradian oscillator in a mammalian cell line
<b>Simonini,</b> Sara	Italian	John Innes Centre   Norwich, United Kingdom	Darren Hart	EMBL   Grenoble, France	3D structure of ETT-IND-auxin complex
<b>Terreri,</b> Sara	Italian	CNR   Napoli, Italy	Ramiro Garzon	Ohio State University   Columbus, United States	Function of T-UCRs and approaches to T-UCR-protein interactions
<b>Turrà,</b> David	Italian	National University of Córdoba   Córdoba, Spain	Robert Arkowitz	Université   Nice, France	Unravelling the mechanisms of plant peroxidase-mediated activation of hyphal chemotropism in <i>F. oxysporum</i>
<b>Vigevani,</b> Luisa	Italian	Centro de Regulación Genómica (CRG)   Barcelona, Spain	Jernej Ule	University College London, United Kingdom	Spliceosome iCLIP applied to samples treated with splicing inhibitors
<b>Aizawa,</b> Eishi	Japanese	ETH Zurich, Switzerland	Mitinori Saitou	Kyoto University, Japan	Generation of primordial germ cells from mouse embryonic stem cells in vitro
<b>Hikita,</b> Takao	Japanese	Max-Planck-Institut für Herz- und Lungenforschung   Bad Nauheim, Germany	Michiyuki Matsuda	Kyoto University, Japan	Analysis of planar cell polarity in endothelial homeostasis
<b>Yosuke,</b> Senju	Japanese	University of Helsinki, Finland	Ulrike Engel	Universität   Heidelberg, Germany	Regulation of cell–cell adhesions by I-BAR domain proteins
<b>Yubuki,</b> Naoji	Japanese	Charles University in Prague   Prague, Czech Republic	Patrick J. Keeling	University of British Columbia   Vancouver, Canada	Unravelling the origin(s) of the euglenid plastid through the exploring the genome and transcriptome of a mixotrophic euglenophycean: <i>Rapaza viridis</i>
<b>Kazlauskas,</b> Darius	Lithuanian	Vilnius University, Lithuania	Mart Krupovic	Institut Pasteur   Paris, France	Distribution and diversity of archaeo-eukaryotic DNA replication proteins in bacteria and their mobile genetic elements
<b>Randriamanana,</b> Tendry	Malagasy	University of Eastern Finland   Joensuu, Finland	Nathaniel Street	Umeå University, Sweden	Metagenomic surveys and functions of foliar endophytes in aspen under climate change
<b>Camargo Sosa,</b> Karen	Mexican	University   Bath, United Kingdom	Christiane Nüsslein-Volhard	MPI für Entwicklungsbiologie   Tübingen, Germany	Characterisation of the role of endothelin signalling pathway in the establishment of adult pigment stem cells in zebrafish development
<b>Flydal,</b> Marte	Norwegian	University   Bergen, Norway	Juan Hermoso	Instituto de Química Física Rocasolano   Madrid, Spain	Structural basis for regulation of phenylalanine hydroxylase activity
<b>Hussain,</b> Momina	Pakistani	National Institute for Biotechnology and Genetic Engineering   Faisalabad, Pakistan	Toby Bruce	Rothamsted Research   Harpenden, United Kingdom	Identifying aphid ( <i>Rhopalosiphum padi</i> and <i>Schizaphis graminum</i> ) resistance traits in a well characterised mutant wheat population

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<b>Joudeh,</b> Nadeem	Palestinian	Cajal Institute   Madrid, Spain	Edward Bayer	Weizmann Institute of Science   Rehovot, Israel	Incorporation of resurrected glucanases into designer cellulosomes to study the evolution of cellulolytic systems
<b>Celinska,</b> Ewelina	Polish	University of Life Sciences   Poznan, Poland	Jean-Marc Nicaud	INRA   Jouy-en-Josas, France	'Golden Gate' concept-based tools for metabolic engineering of nonconventional yeast species <i>Yarrowia lipolytica</i>
<b>Ciechomska,</b> Marzena	Polish	National Institute of Geriatrics   Rheumatology and Rehabilitation, Poland	Vladimir Benes	EMBL   Heidelberg, Germany	Global profiling and functional analysis of miRNA in monocytes from rheumatoid arthritis and systemic sclerosis patients
<b>Czarnecki,</b> Jakub	Polish	University   Warsaw, Poland	Didier Mazel	Institut Pasteur   Paris, France	Dissection of the molecular mechanism of stable maintenance of two chromosomes in <i>Vibrio cholerae</i> – study of interactions between initiator replication proteins DnaA and RctB
<b>Dudka,</b> Damian	Polish	University of Geneva, Switzerland	Andrew D McAinsh	University of Warwick   Coventry, United Kingdom	What is the role of tension in mitosis in human cells?
<b>Focht,</b> Dorota	Polish	Aarhus University, Denmark	Jonathan Javitch	Columbia University   New York, United States	Investigation of the binding site specificity and functional characterization of bacterial homologue of neurotransmitter: sodium symporters – MhsT
<b>Focht,</b> Dorota	Polish	Aarhus University, Denmark	Matthias Quick	Columbia University   New York, United States	Investigation of the binding site specificity and functional characterization of bacterial homologue of neurotransmitter: sodium symporters – MhsT
<b>Heberlein,</b> Magdalena	Polish	University of Münster, Germany	Florian Hollfelder	University of Cambridge, United Kingdom	Evolution of substrate specificity in the alkaline phosphatase superfamily
<b>Kisiel,</b> Magdalena	Polish	Medical University   Wroclaw, Poland	Lucia Sivilotti	University College London, United Kingdom	Structural determinants and the impact of neurosteroids on preactivation transitions in GABAA receptor
<b>Kobierecka,</b> Patrycja	Polish	University   Warsaw, Poland	Luis Bermudez Humarán	INRA   Jouy-en-Josas, France	Characterization of the lactobacillus spp. temperature-induced promoters and their used to express <i>Campylobacter jejuni</i> genes
<b>Modelska,</b> Angelika	Polish	University   Trento, Italy	Alexey Amunts	Science for Life Laboratory   Solna, Sweden	Structural characterization of the mitoribosome from glioblastoma stem cells bound to a potential anti-glioblastoma compound
<b>Nazimek,</b> Katarzyna	Polish	Jagiellonian University   Krakow, Poland	Francisco Sánchez-Madrid	Servicio de Immunología   Madrid, Spain	Investigation of exosome-mediated interaction of antigen-presenting macrophages with T effector lymphocytes at the immune synapse

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<b>Orczyk,</b> Marta	Polish	University of Technology   Warsaw, Poland	Gerald Brezesinski	Max Planck Institut für Kolloid und Grenzflächenforschung   Potsdam, Germany	The influence of steroidal and triterpenoid saponins on an outer leaflet model of human erythrocytes' membrane
<b>Perycz,</b> Malgorzata	Polish	Institute of Biochemistry and Biophysics   PAS, Poland	Jeremy Lynch	University of Illinois   Chicago, United States	DNA methylation and demethylation machinery gene knock out in <i>Nasonia</i> insect model with Cas9 and TALENs gene editing systems
<b>Pirzgalska,</b> Roksana	Polish	Instituto Gulbenkian de Ciência   Oeiras, Portugal	Christopher Glass	University of California San Diego   La Jolla, United States	The neuro-adipose connection and its immune regulators
<b>Roszak,</b> Pawel	Polish	University of Cambridge   Cambridge, United Kingdom	Siobhan Brady	University of California   Davis, United States	Gene regulatory networks controlling phloem development and vascular pattern formation
<b>Socha,</b> Magdalena	Polish	University of Medical Sciences   Poznan, Poland	Malte Spielmann	Charité – Universitätsmedizin   Berlin, Germany	Coding vs. non-coding: deciphering the underlying causes for the congenital limb malformations (CLMs) in a cohort of Polish patients with the use of the whole genome sequencing (WGS)
<b>Woźniak,</b> Barbara	Polish	Jagiellonian University   Krakow, Poland	Stephen J. G. Galer	Max Planck Institut für Chemie   Mainz, Germany	Calcium isotope ratio ( $44/42$ Ca) analysis in the context of reaching the peak bone mass in past populations
<b>Ząbczyńska,</b> Marta	Polish	Jagiellonian University   Krakow, Poland	Maja Pucic Bakovic	Genos   Zagreb, Croatia	Glycosylation of serum glycoproteins in Hashimoto thyroiditis
<b>Amorim,</b> João	Portuguese	Instituto de Biologia Molecular e Celular (IBMC)   Porto, Portugal	Noel Miranda	University Medical Centre   Leiden, Netherlands	Analysis of mitotic fidelity and chromosomal instability in primary colorectal tumor cells
<b>Barbosa,</b> Joao	Portuguese	Institut D'Investigacions Biomèdiques August Pi i Sunyer (IDIBAPS)   Barcelona, Spain	Timothy J. Buschman	Princeton University, United States	Neural mechanisms underlying working memory feature binding
<b>Castanheira Dias,</b> Sónia Marisa	Portuguese	Centro Nacional de Biotecnología (CNB)   Madrid, Spain	Felipe Cava	Umeå University, Sweden	Application of Ultra-Performance Liquid Chromatography (UPLC) to unravel activity of two <i>Salmonella enterica</i> serovar Typhimurium-specific proteins predicted to contribute to peptidoglycan metabolism inside eukaryotic cells
<b>Conniot,</b> João	Portuguese	University   Lisbon, Portugal	Ronit Satchi-Fainaro	Tel Aviv University, Israel	Study of the in vivo immune therapeutic effect of a nanovaccine candidate on a melanoma cancer model
<b>Diaz,</b> Suraya	Portuguese	National University of Ireland   Galway, Ireland	Imre Berger	EMBL   Grenoble, France	MultiBac baculovirus insect cell expression of four-subunit human DNA polymerase alpha-primase



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<b>Estrada, Marta</b>	Portuguese	Instituto de Tecnologia Química e Biologia   Oeiras, Portugal	Cathrin Briskén	Swiss Federal Institute of Technology   Lausanne, Switzerland	Advanced culture systems to study hormone-mediated paracrine signalling in mammary gland
<b>Fernandes, Lina</b>	Portuguese	Universidade do Algarve   Faro, Portugal	Richard James Hill	University   Portsmouth, United Kingdom	Investigate the role of annexin A2 in human glioblastoma
<b>Miranda-Lourenço, Catarina</b>	Portuguese	Instituto de Medicina Molecular   Lisbon, Portugal	Detlev Boison	Legacy Research Institute   Portland, United States	Regulation of adenosine levels as a new therapeutic strategy for Rett syndrome
<b>Moreira Tavares, Eliana Raquel</b>	Portuguese	Institut Gustave Roussy   Villejuif, France	Wolf-Dietrich Heyer	University of California   Davis, United States	Multiprotein integrative model of homologous recombination
<b>Oliveira, Rute</b>	Portuguese	Instituto de Biologia Molecular e Celular (IBMC)   Porto, Portugal	Mark Buttner	John Innes Centre   Norwich, United Kingdom	Role and molecular mechanisms of a novel ECF sigma factor: identification of SigG regulon
<b>Pereira Pereira, Branca Isabel</b>	Portuguese	University College London, United Kingdom	Judith Campisi	Buck Institute for Research on Aging   Novato, United States	Interaction between the immune system and senescent cells
<b>Vila-Viçosa, Diogo</b>	Portuguese	University   Lisbon, Portugal	Chris Oostenbrink	University of Natural Resources & Life Sciences (BOKU)   Vienna, Austria	Enhanced sampling techniques to improve constant-pH molecular dynamics simulations of peptides at the water/membrane interface
<b>Chimerel, Catalin</b>	Romanian	University of Cambridge, United Kingdom	Sylvie Rabot	Institut National de la Recherche Agronomique (INRA)   Paris, France	The role of the bacterial metabolite indole in the modulation of GLP-1 secretion from enteroendocrine cells in vivo
<b>Pena, Florentina</b>	Romanian	Institute of Biochemistry   Bucharest, Romania	Neil Bulleid	University of Glasgow, United Kingdom	The role of P5 (PDIA6) in the maturation of Collagen type IV
<b>Alexandrov, Alexander</b>	Russian	Russian Academy of Sciences   Moscow, Russian Federation	Daniel Kaganovich	The Hebrew University   Jerusalem, Israel	Imaging and genetic analysis of respiration-dependent protein aggregation in response to hyperosmotic shock in yeast
<b>Lomakina, Maria</b>	Russian	Russian Academy of Sciences   Moscow, Russian Federation	Alexis Gautreau	Laboratoire d'Enzymologie et Biochimie Structurales (LEBS)   Gif-sur-Yvette, France	Role of novel Rac effectors in the control of persistence of cell migration
<b>Franek, Michal</b>	Slovak	Institute of Biophysics   Brno, Czech Republic	Thomas Küntziger	University   Oslo, Norway	Dynamic analysis of nuclear body reorganization using BioID
<b>Kaiser, Karol</b>	Slovak	Masaryk University   Brno, Czech Republic	Carlos Villaescusa	Karolinska Institutet   Stockholm, Sweden	Study of the mechanism of secretion and distribution of WNT proteins in the embryonic central nervous system
<b>Laláková, Jana</b>	Slovak	Karolinska Institutet   Stockholm, Sweden	Pekka Katajisto	University of Helsinki, Finland	Exploring the role of centrosome inheritance in stemness using human stem-like cells and Snap-tag

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<b>Porubsky,</b> David	Slovak	European Research Institute for the Biology of Ageing   Groningen, Netherlands	Tobias Marschall	Max Planck Institute for Informatics   Saarbruecken, Germany	Use of single-cell strand sequencing and long-read technologies to phase diploid genomes
<b>Frajman,</b> Bozo	Slovene	University   Innsbruck, Austria	Bengt Oxelman	University   Gothenburg, Sweden	Disentangling diversification patterns within the <i>Heliosperma pusillum</i> group (Caryophyllaceae) from the southern European mountains using gene capture and next generation sequencing
<b>Krajnc,</b> Matej	Slovene	Josef Stefan Institute   Ljubljana, Slovenia	Jacques Prost	National University of Singapore, Singapore	Active dynamics of tissues: a 3D vertex model for tissue morphogenesis
<b>Sobotic,</b> Barbara	Slovene	Josef Stefan Institute   Ljubljana, Slovenia	Anna Blom	Lund University   Malmö, Sweden	Involvement of extracellular cathepsins in complement regulation in cancer
<b>Srpan,</b> Katja	Slovene	University of Manchester, United Kingdom	Björn Önfelt	Karolinska Institutet   Stockholm, Sweden	Microchip-based single-cell imaging of the dynamics of NK cell interactions with their targets engaging different activating receptors
<b>Du Plessis,</b> Juanelle	South African	Stellenbosch University   Cape Town, South Africa	R Wigneshweraraj	Imperial College   London, United Kingdom	Structure, function and inhibition of RNA polymerase in <i>Mycobacterium tuberculosis</i>
<b>Moses,</b> Stacey	South African	University   Cape Town, South Africa	Laura Batlle Morera	Centro de Regulación Genómica (CRG)   Barcelona, Spain	Identifying the precise molecular pathogenesis underlying the disease phenotype in individuals carrying a mutation in the spliceosomal factor, PRPF8
<b>Aguilera Herce,</b> Julia	Spanish	Universidad   Sevilla, Spain	Adam Schikora	Julius Kühn Institut für Epidemiologie und Pathogendiagnostik   Braunschweig, Germany	Expression and effects of <i>Salmonella</i> enterica type III secretion system effectors in plants
<b>Alvarez Arguedas,</b> Samuel	Spanish	Universidad   Zaragoza, Spain	Roland Brosch	Institut Pasteur   Paris, France	Characterization of the PE/PPE proteins in the live attenuated <i>M. tuberculosis</i> vaccine MTBVAC
<b>Álvarez Teijeiro,</b> Saúl	Spanish	University   Oviedo, Spain	Pedro Rodríguez-Cutillas	Queen Mary   University of London, United Kingdom	Quantitative mass spectrometric analysis of secretome from head and neck squamous cell carcinomas
<b>Arroyo López,</b> María De La Cabeza	Spanish	Universidad de Jaén   Jaén, Spain	Duncan J. Clarke	University of Minnesota   Minneapolis, United States	Does MCPH1 modulate G2/M arrest induced by Topoisomerase II inhibition?
<b>Barrientos Moreno,</b> Laura Maria	Spanish	Estación Experimental del Zaidín   CSIC, Spain	Miguel Cámara García	University of Nottingham, United Kingdom	Connections between amino acid metabolism, c-di-GMP levels and posttranscriptional regulators of the <i>RsmA/CsrA</i> family in <i>Pseudomonas putida</i> KT2440

### EMBO Short-Term Fellowships awarded in 2016

Name	Nationality	Home laboratory	Group leader	Host laboratory	Project
<b>Blanca Ramírez,</b> Marian	Spanish	Instituto de Parasitología y Biomedicina 'López-Neyra' (IPBLN)   Granada, Spain	Maddy Parsons	King's College   London, United Kingdom	Alterations in motility as cellular readout for pathogenic LRRK2 in Parkinson's disease
<b>Bosch Fortea,</b> Minerva	Spanish	Centre for Molecular Biology 'Severo Ochoa'   Madrid, Spain	Benoit Ladoux	Institut Jacques Monod   Paris, France	Design of a micropattern-based device to study cell mechanics and forces during renal tubulogenesis
<b>Bullich,</b> Gemma	Spanish	Universitat Autònoma de Barcelona   Barcelona, Spain	Rachel Giles	University Medical Centre (UMC)   Utrecht, Netherlands	Functional study on the tmem104 gene and its potential involvement in the ethiology of autosomal dominant tubulointerstitial kidney disease
<b>Bustamante,</b> Mariana	Spanish	Centre for Research in Agricultural Genomics   Barcelona, Spain	Kerstin Kaufmann	Humboldt-Universität zu Berlin, Germany	Genome-wide screening for CUP SHAPED COTYLEDON1 interacting proteins
<b>Cabezudo,</b> Sofía	Spanish	Centre for Molecular Biology 'Severo Ochoa'   Madrid, Spain	Ana Maria Cuervo	Albert Einstein College of Medicine   New York, United States	Role of Galphaq-coupled receptors in the modulation of autophagy
<b>Calvo Sánchez,</b> María Inmaculada	Spanish	Universidad Ramón y Cajal   Madrid, Spain	Richard Meehan	MRC Human Genetics Unit   Edinburgh, United Kingdom	Development of an improved methodology for the regulated silencing of DNMT1 in multiple cell types that will allow for the design of new experimental approaches to study the roles of this protein in vivo with basic and translational purposes
<b>Castro,</b> Patricia	Spanish	Universidad Complutense de Madrid (UCM)   Madrid, Spain	Shehab Ismail	Beatson Institute for Cancer Research   Glasgow, United Kingdom	Identification of PRL-1 substrates and interacting proteins in the context of T cell activation
<b>Cemeli,</b> Tania	Spanish	Universitat de Lleida   Lleida, Spain	Lluís Fajás	University   Lausanne, Switzerland	Kinome analysis of the membrane-associated Ccnd1-Cdk4 complex
<b>Díaz,</b> David	Spanish	Universidad de Salamanca, Spain	Marie-Caroline Le Bousse-Kerdiles	Hôpital Paul Brousse   Villejuif, France	Transform bone marrow-derived neural cells for enhancing neuroprotection
<b>Espinosa Medina,</b> Isabel	Spanish	Institute of Biology of the ENS   Paris, France	Alan Burns	University College London, United Kingdom	Defining a vagal neural crest dichotomy during enteric nervous system formation
<b>Estarellas,</b> Carolina	Spanish	Universitat de Barcelona   Barcelona, Spain	Francesco Gervasio	University College London, United Kingdom	Cellular retinol-binding proteins: which are the factors that modulate the distinct affinity for retinol in CRBP-I and CRBP-II isoforms?
<b>Fernandez Castillo,</b> Noelia	Spanish	Universitat de Barcelona   Barcelona, Spain	Alejandro Arias-Vasquez	Radboud University   Nijmegen, Netherlands	Combined transcriptomic and GWAS analysis to identify genes and pathways that contribute to cocaine dependence
<b>Fernandez Mateos,</b> Javier	Spanish	Universidad de Salamanca, Spain	Nicola Valeri	Institute of Cancer Research   London, United Kingdom	Establishment of GI tumour-derived organoids (TDOs) and their use in biomedical research

# EMBO Short-Term Fellowships awarded in 2016

Name	Nationality	Home laboratory	Group leader	Host laboratory	Project
<b>Fernandez, Julia</b>	Spanish	Universidad Complutense de Madrid (UCM)   Madrid, Spain	Elena Kozlova	Uppsala University, Sweden	The dorsal root angioarchitecture in intact rodents and following injury and regenerative strategies
<b>Flores Romero, Hector</b>	Spanish	University of the Basque Country   Leioa, Spain	Ana Jesus Garcia Saez	Universität   Tübingen, Germany	The role of mitochondrial lipids as well as two poorly understood BCL2-type proteins, BFL1 and BCLB, in the membrane activities of BAX using advanced fluorescence microscopy techniques
<b>Fraile Bethencourt, María Eugenia</b>	Spanish	University   Valladolid, Spain	Emanuele Buratti	ICGEB   Trieste, Italy	Splicing regulation of an atypical GC donor in breast cancer genes
<b>Fuster, Almudena</b>	Spanish	University of Cambridge, United Kingdom	Alessandra Biffi	Dana-Farber Cancer Institute   Boston, United States	NeuroIMMUNE interactions via WNT3A in the Stroke Brain (IMMUNE_WNT3a)
<b>Gallardo-Chamizo, Francisco De Asís</b>	Spanish	CABIMER   Sevilla, Spain	Alfred Vertegaal	University Medical Centre   Leiden, Netherlands	Analysis of SUMOylation during ischemia-like conditions in differentiated neurons
<b>García Pardo, Javier</b>	Spanish	Universitat de Barcelona   Barcelona, Spain	Tom L. Blundell	University of Cambridge, United Kingdom	Structural characterization of the full-length human carboxypeptidase D
<b>García-Canadilla, Patricia</b>	Spanish	Universitat Pompeu Fabra   Barcelona, Spain	Anne Bonnin	Paul Scherrer Institut   Villigen, Switzerland	Reconstruction and visualization of X-ray micro-CT synchrotron based images from cardiac tissue samples
<b>García-Negredo, Gloria</b>	Spanish	Universitat de Barcelona   Barcelona, Spain	Paola Pedarzani	University College London, United Kingdom	Deciphering the role of calmodulin and Homer proteins in the mGlu5 receptor-SK2 ion channel interaction
<b>Gibert, Joan</b>	Spanish	Hospital del Mar Medical Research Institute (IMIM)   Barcelona, Spain	Sebastian Leidel	MPI für Molekulare Biomedizin   Münster, Germany	A molecular high throughput approach to decipher the role of RNA translational control by CPEB1 in pancreatic cancer
<b>González Sainz De Aja, Julio</b>	Spanish	Centro Nacional de Investigaciones Cardiovasculares (CNIC)   Madrid, Spain	Jennifer Nichols	University of Cambridge   Cambridge, United Kingdom	Phenotyping of Nanog conditional knock out mice: Study of Nanog's role in lineage specification
<b>Gonzalez Teran, Barbara</b>	Spanish	Centro Nacional de Investigaciones Cardiovasculares (CNIC)   Madrid, Spain	Eric Olson	University of Texas Southwestern Medical Center   Dallas, United States	Role of p38 MAPK pathway in cardiac regeneration
<b>Hernansanz, Pablo</b>	Spanish	Universidad Autonoma   Madrid, Spain	Mike Murphy	MRC Mitochondrial Biology Unit   Cambridge, United Kingdom	Oxidative damage in ischemia-reperfusion injury, interplay between ions, electrons and oxygen
<b>Ibañez Robles, Carla</b>	Spanish	Universität   Halle-Wittenberg, Germany	Salomé Prat	Centro Nacional de Biotecnología (CNB)   Madrid, Spain	Hormonal crosstalk regulation of PIF4 in thermomorphogenesis signaling
<b>Iribar, Haizea</b>	Spanish	BioDonostia Health Research Institute   San Sebastian, Spain	Shunichi Morikawa	Women's Medical Hospital   Tokyo, Japan	Implication of neural competent cells of murine ventral dermis in wound healing

### EMBO Short-Term Fellowships awarded in 2016

Name	Nationality	Home laboratory	Group leader	Host laboratory	Project
<b>Lara Astiaso,</b> David	Spanish	Weizmann Institute of Science   Rehovot, Israel	Felipe Prósper Cardoso	Center for Applied Medical Research   Pamplona, Spain	Patient specific characterization of genomic regulatory elements associated with normal and malignant B development
<b>Líceras Boillos,</b> M <sup>a</sup> Pilar	Spanish	Universidad (CSIC)   Salamanca, Spain	Anne Ridley	King's College   London, United Kingdom	Study of the role of Sos proteins in cell migration and adhesion
<b>López Arias,</b> Begoña	Spanish	Universidad Autonoma   Madrid, Spain	Oliver Craig	University   York, United Kingdom	Paleogenomics as a tool to explore the ancient fisheries of the Iberian Peninsula
<b>López,</b> Alejandro	Spanish	University   Oviedo, Spain	Emma Shanks	Beatson Institute for Cancer Research   Glasgow, United Kingdom	Strategic evaluation of synergistic drug candidates coupled to inhibition of mTOR for treatment of oral and sinonasal cancers
<b>Madrigal,</b> Pilar	Spanish	CEU Cardenal Herrera University   Valencia, Spain	Alain Chedotal	Institut de la Vision   Paris, France	Role of RhoE in axon guidance: 3D axonal tracts characterization in RhoE gt/gt mouse
<b>Maicas,</b> Miren	Spanish	Instituto de Biomedicina de Valencia (IBV)   Valencia, Spain	Maria Luisa Cochella	IMP   Vienna, Austria	Determination of the genome-wide binding profile of transcription factors from a single neuron pair in C. elegans
<b>Majuelos,</b> Jara	Spanish	Instituto de Parasitología y Biomedicina 'López-Neyra' (IPBLN)   Granada, Spain	Rajat Singh	Newcastle University, United Kingdom	Unraveling the role of PARP in lipophagy in glioblastoma multiforme
<b>Marques-Bueno,</b> Maria Del Mar	Spanish	École Normale Supérieure   Lyon, France	Jiri Friml	Institute of Science and Technology Austria (IST)   Klosterneuburg, Austria	Control of Auxin signaling for endocytosis regulation by Membrane Associated Kinase Regulator 2
<b>Menéndez-Montes,</b> Iván	Spanish	Centro Nacional de Investigaciones Cardiovasculares (CNIC)   Madrid, Spain	Hesham Sadek	University of Texas Southwestern Medical Center   Dallas, United States	Characterization of the metabolic signature and regenerative capacity of embryonic, neonatal and adult HIF1a positive cardiomyocytes from a lineage tracing perspective
<b>Molinuevo Llaría,</b> Rut	Spanish	Universidad de Cantabria   Santander, Spain	James T. Elder	University of Michigan   Ann Arbor, United States	Identifying novel genes controlling squamous differentiation
<b>Montoliu-Gaya,</b> Laia	Spanish	Universitat Autonoma de Barcelona   Barcelona, Spain	Rob Veerhuis	VU University   Amsterdam, Netherlands	Study of the effects of the scFv-h3D6 in Abeta aggregation and cellular uptake, alone or in combination with apolipoproteins E and J
<b>Nieto García,</b> Cristina	Spanish	Centro Nacional de Biotecnología (CNB)   Madrid, Spain	Jorge Casal	Fundacion Instituto Leloir   Buenos Aires, Argentina	Functional analysis of effects of COP1 and phyB on ELF3 and PIF4 protein levels under warm temperatures in Arabidopsis
<b>Ortega,</b> Felipe	Spanish	Universidad Complutense de Madrid (UCM)   Madrid, Spain	Silvia Cappello	Max Planck Institute of Psychiatry   München, Germany	Characterization of the expression and function of P2X7 purinergic receptors during the development of the human cortex: a study based on cerebral organoids method

### EMBO Short-Term Fellowships awarded in 2016

Name	Nationality	Home laboratory	Group leader	Host laboratory	Project
<b>Palomo Guerrero,</b> Marta	Spanish	Universitat Internacional de Catalunya   Barcelona, Spain	Harald Stenmark	The Norwegian Radium Hospital   Oslo, Norway	Study of Cpt1c regulation of late endosomes transport along the axon, in relation to hereditary spastic paraplegia
<b>Pedraza Arévalo,</b> Sergio	Spanish	National University of Córdoba   Córdoba, Spain	Marika Charalambous	Queen Mary   University of London, United Kingdom	Epigenetic and post-transcriptional regulation of sst5 gene expression and its implication in the aberrant expression of alternative spliced isoforms
<b>Pérez Hernández,</b> Javier	Spanish	University   Valencia, Spain	Chantal Boulanger	Centre de recherche Cardiovasculaire à l'HEGP   Paris, France	Extracellular vesicle associated microRNAs as new mediators in atherosclerosis
<b>Perez-Rando,</b> Marta	Spanish	University   Valencia, Spain	Anthony Holtmaat	Medical Center   Geneva, Switzerland	Fluoxetine-induced structural plasticity in the mouse cerebral cortex in vivo
<b>Perretta,</b> Núria	Spanish	Universidad de Salamanca, Spain	Daivd Long	University College London, United Kingdom	Role of Cardiotrophin-1 in the progression of glomerulonephritis
<b>Planas Marques,</b> Oriol	Spanish	Ramon Llull University   Barcelona, Spain	Wolfgang Parak	Philipps-Universität Marburg, Germany	Photoheranostic gold nanoclusters: light-based diagnosis and treatment of cancer using novel metal nanomaterials
<b>Prat-Ortega,</b> Genis	Spanish	Institut D'Investigacions Biomèdiques August Pi i Sunyer (IDIBAPS)   Barcelona, Spain	Tobias Donner	University   Hamburg, Germany	Mechanisms of cortical dynamics during perceptual decision making
<b>Ramos Sanchez,</b> Jose Manuel	Spanish	Universidad Politecnica   Madrid, Spain	Philip Wigge	University of Cambridge, United Kingdom	Deciphering photoperiod-induced amplitude changes in LH2
<b>Requena Soria,</b> David	Spanish	Centre for Molecular Biology 'Severo Ochoa'   Madrid, Spain	Richard Mann	Columbia University   New York, United States	Wing primordium specification in Drosophila
<b>Rodriguez-Ubreva,</b> Javier	Spanish	Institut d'Investigacio Biomedica de Bellvitge (IDIBELL)   Barcelona, Spain	Gavin Kelsey	Babraham Institute   Cambridge, United Kingdom	Single-cell genome-wide bisulfite sequencing of B cell subsets of a pair of monozygotic twins discordant for common variable immunodeficiency
<b>Roura Frigolé,</b> Helena	Spanish	Institute for Research in Biomedicine   Barcelona, Spain	Yitzhak Tor	University of California San Diego   La Jolla, United States	Development of a high-throughput fluorescence-based assay for drug discovery
<b>Saenz De Juano Ribes,</b> Maria Dels Desemparats	Spanish	Free University of Brussels, Belgium	Gavin Kelsey	Babraham Institute   Cambridge, United Kingdom	Effect of in vitro follicle culture and superovulation on mouse oocyte DNA methylation establishment
<b>Sáenz,</b> Beatriz	Spanish	CIBIR – Center for Biomedical Research of La Rioja   Logrono, Spain	Hilde Nilsen	University   Oslo, Norway	Does a NABP1-INTS Complex function in DNA repair in C. elegans?
<b>Salvador Gallego,</b> Raquel	Spanish	Universität   Tübingen, Germany	Gia Voeltz	University of Colorado   Boulder, United States	The role of Bax in regulating mitochondrial dynamics at the molecular level

### EMBO Short-Term Fellowships awarded in 2016

Name	Nationality	Home laboratory	Group leader	Host laboratory	Project
<b>Sánchez Barrionuevo,</b> Leyre	Spanish	Universidad   Sevilla, Spain	Doris Marko	University   Vienna, Austria	Toxicological properties of novel polyphenolic compounds with pharmacological applications
<b>Sánchez-Higueras,</b> Carlos	Spanish	Universidad Pablo de Olavide   Sevilla, Spain	Richard S. Mann	Columbia University   New York, United States	Molecular regulation of DNA cis-regulatory elements
<b>Sanz Sender,</b> Silvia	Spanish	Instituto de Salud Global de Barcelona   Barcelona, Spain	Rhoel Dinglasan	Johns Hopkins University   Baltimore, United States	Function and mechanism of O-fucosylation of malaria parasite TSR-domain proteins
<b>Soriano,</b> Ignacio	Spanish	University of Oxford, United Kingdom	Philippe Pasero	CNRS Institute of Human Genetics   Montpellier, France	Mutations in replicative DNA polymerases associated with cancer predisposition
<b>Tello-Lafoz,</b> Maria	Spanish	Centro Nacional de Biotecnología (CNB)   Madrid, Spain	Morgan Huse	Memorial Sloan-Kettering Cancer Center   New York, United States	Role of SNX27 in cytoskeletal and membrane remodeling during immune synapse formation
<b>Terriente-Felix,</b> Ana	Spanish	Institute for Research in Biomedicine   Barcelona, Spain	Sarah Bray	University of Cambridge, United Kingdom	Characterization of a Drosophila model of myeloproliferative disorders
<b>Tomàs Gamisans,</b> Màrius	Spanish	Universitat de Barcelona   Barcelona, Spain	Mhairi Workman	Technical University of Denmark   Lyngby, Denmark	Optimizing 13C-glycerol labelling experiments for metabolic flux analysis in <i>Pichia pastoris</i> growing on glycerol as single carbon source
<b>Torregrosa-Crespo,</b> Javier	Spanish	University of Alicante   Alicante, Spain	Lars R. Bakken	Norwegian University of Life Sciences (UMB)   Ås, Norway	Transcriptional and physiological studies of denitrification in <i>Haloferax mediterranei</i>
<b>Torres Sanchez,</b> Sonia	Spanish	University of Cadiz   Cadiz, Spain	Rita J. Valentino	University of Pennsylvania   Philadelphia, United States	The effect of Deep Brain Stimulation (DBS) on stress-induced changes in pontine-cortical network activity. Possible mechanism of action for its antidepressant activity
<b>Vidal Gómez,</b> Xavier	Spanish	University   Valencia, Spain	Maria Carmen Martinez	Université   Angers, France	Isolation, characterization and use of extracellular vesicles in the study of endothelial function
<b>Zevallos,</b> Victor	Spanish	Johannes-Gutenberg-Universität   Mainz, Germany	Elena Verdu	McMaster University   Hamilton, Canada	Microbial modulation of gut dysfunction triggered by amylase trypsin inhibitor (ATIs) in NOD-DQ8 mice
<b>Ahmed,</b> Engy	Swedish	Stockholm University, Sweden	Inger Greve Alsos	University   Tromsø, Norway	Past floral diversity and climate change recorded in sedimentary ancient DNA
<b>Meister,</b> Simon	Swiss	Swiss Federal Institute of Technology   Lausanne, Switzerland	Adam S. Luring	University of Michigan   Ann Arbor, United States	Fitness cost of environmental disinfection-resistant enteric virus isolates

### EMBO Short-Term Fellowships awarded in 2016

Name	Nationality	Home laboratory	Group leader	Host laboratory	Project
<b>Pfammatter,</b> Manuela	Swiss	University Hospital   Zurich, Switzerland	Tuomas Knowles	University of Cambridge   Cambridge, United Kingdom	Development of a digital amyloid amplification assay for the ultrasensitive detection and quantification of amyloid aggregates
<b>Pirondini,</b> Elvira	Swiss	Swiss Federal Institute of Technology   Lausanne, Switzerland	Stephanie R. Jones	Brown University   Providence, United States	Exploring corticothalamic correlates of EEG recorded activity in essential tremor patients
<b>Rufener,</b> Reto	Swiss	University   Bern, Switzerland	Jia Li	Imperial College   London, United Kingdom	Host-pathogen interaction between Echinococcus multilocularis and host cells: starving a deadly helminth
<b>Chen,</b> Yen-Ta	Taiwanese	University of Cologne, Germany	Maurijn van der Zee	Leiden University, Netherlands	Immune response and the regulation of immune effectors in the embryo of the milkweed bug <i>Oncopeltus fasciatus</i>
<b>Lee,</b> Dian-Jang	Taiwanese	Ludwig-Maximilians- Universität   München, Germany	Margus Pooga	University   Tartu, Estonia	Cell entry and intracellular trafficking of oligoaminoamide-based polycationic siRNA vectors
<b>Aktas,</b> Gulsen Betul	Turkish	Universitat Rovira i Virgili (URV)   Tarragona, Spain	Aart Van Amerongen	Wageningen University, Netherlands	Development of simple, fast and low cost lateral flow assays based on signal amplification mediated by a HRP-DNA binding protein conjugate
<b>Özçirak Ergün,</b> Şeyma	Turkish	Yıldız Technical University   Istanbul, Turkey	Daniel Huson	Universität   Tübingen, Germany	Discovering microbial profile with metagenomics approach in an environmental sample peculiar to Turkey to enhance industrial enzymes
<b>Tuzlakoglu Öztürk,</b> Merve	Turkish	Institute of Technology   Gebze, Turkey	Gislene Pereira	Universität   Heidelberg, Germany	Functional analysis of coiled-coil domain- containing protein 124 (Ccdc124) in centrosome biology and cytokinesis
<b>Kurinna,</b> Svitlana	Ukrainian	ETH Zurich, Switzerland	James Dooley	Katholieke Universiteit   Leuven, Belgium	Mir-29 regulates cutaneous wound healing through keratinocyte migration and differentiation
<b>Piven,</b> Oksana	Ukrainian	Institute of Molecular Biology and Genetics   Kyiv, Ukraine	Cecilia Winata	International Institute of Molecular and Cell Biology   Warsaw, Poland	Eluciating the signaling function of beta-catenin and plakoglobin in heart development using genome-wide ChIP-seq
<b>Shkrabak,</b> Oleksandr	Ukrainian	National Academy of Sciences of Ukraine   Kyiv, Ukraine	Andrey Klymchenko	Université   Strasbourg, France	Plasma membrane coated fluorescent nanoparticles as the new tool for glioblastoma imaging
<b>Dangarembizi,</b> Rachael	Zimbabwean	University of the Witwatersrand Medical School   Johannesburg, South Africa	Christoph Rummel	Justus-Liebig-Universität   Giessen, Germany	The anti-inflammatory effects of Perlagonium sidoides extracts on neuroglial cells stimulated with lipopolysaccharide and Brewer's yeast



#### ERS | EMBO joint fellowships awarded in 2016

Name	Nationality	Home laboratory	Group leader	Host laboratory	Project
<b>Dousova,</b> Tereza	Czech	University Hospital Motol   Prague, Czech Republic	Margarida Amaral	University of Lisboa   Lisboa, Portugal	Assessment of disease liability of CFTR mutations in primary tissues from patients with cystic fibrosis and response to CFTR modulators
<b>Hvass,</b> Andreas Fløe	Danish	Aarhus University Hospital   Aarhus, Denmark	Delia Goletti	IRCCS Lazzaro Spallanzani   Rome, Italy	Deciphering the CD8+ T-cell response to latent phase Mycobacterium Tuberculosis antigens
<b>Derks,</b> Jules	Dutch	Maastricht University Medical Center   Maastricht, Netherlands	Lynette Fernandez-Cuesta	International Agency for Research on Cancer   Lyon, France	Identification of molecular subgroups of pulmonary large cell neuroendocrine carcinoma (LCNEC) with clinical relevant phenotypes in stage IV disease
<b>Biondini,</b> Davide	Italian	University of Padova   Padova, Italy	Oliver Eickelberg	Ludwig-Maximilians University and Helmholtz Zentrum   Munich, Germany	Validation of biomarkers identified from experimentally induced pulmonary fibrosis in patients with idiopathic pulmonary fibrosis

## EMBO Short-Term Fellowships 2016: 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	Netherlands	Norway	Poland	Portugal	Singapore (A)	Slovak Republic	Slovenia	Spain	Sweden	Switzerland	Turkey	UK	EMBL	Eastern Europe	USA/Canada	Others	Total	
Austria									1		1			1		1					1			1				3								1	1	11
Belgium									1							1	1				2						1			1						4	13	
Croatia																							1									2					1	
Czech Republic											2	1		1													1										5	
Denmark	1													1			2										2					1				1	8	
Estonia										1																											1	
Finland																	1											1	1								3	
France	1			1	1					1				11			3	1		1	2		4					11				4			3	1	10	55
Germany	1		1		1		2				3			6		5	8				2		4				1	15	1		2	3			1	3	19	78
Greece	1																																				1	
Hungary	1		1														1				1																4	
Iceland																																					0	
India (A)															1																						1	
Ireland										1						1												2								1	5	
Israel									1					2			2							1				2							1	1	10	
Italy		1	1							1		2		3		1												5	1	1	1	2			1	1	5	26
Lithuania																												1									1	
Luxembourg																																					0	
Malta																																					0	
Netherlands		2		1					2	1	1				1	2	1							1				10			1	2					3	28
Norway				1													1						1					3	1			1				1	9	
Poland												1															1								1		3	
Portugal											1																	1					1				3	
Singapore (A)																	1										1		1								3	
Slovak Republic				1																							1		1								1	
Slovenia																																					0	
Spain									1	1	1	1		3	1	1	3					1	1					1				1		2	1	18	37	
Sweden	2			1			1			1	1	1		1	1		5				1			1			1	5				3				7	32	
Switzerland					1		1	2	1							1	3					1		1				5				2			2	5	25	
Turkey																																					1	
UK	1	2		4			1	5	3					4		2	14				3		2	3				44	3	3	2				3	5	13	117
EMBL						1										1	2						1									2				2	9	
Eastern Europe																																					0	
USA/Canada	1			1	6		1	5	13	2	1			1	5	2	12				4		1	3				27		4	1	14					104	
Others				1	1			1	3	1				1		1	2				2		1	1				3		1	4						23	
Total		9	5	3	11	10	1	6	19	27	13	7	0	35	10	18	62	1	0	1	18	2	16	12	0	1	3	143	8	10	7	42	0	12	17	89	618	

\* "From" refers to home laboratory (see list on pages 44–71)

## EMBO Short-Term Fellowships 2016: 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	Netherlands	Norway	Poland	Portugal	Singapore (A)	Slovak Republic	Slovenia	Spain	Sweden	Switzerland	Turkey	UK	EMBL	Eastern Europe	USA/Canada	Others	Total	
Austria									1		1					1					1			1				2								1	8	
Belgium									1							1	1														1				1	6		
Croatia																							1										1			1	1	
Czech Republic																																					0	
Denmark																												1					1			1	3	
Estonia										1																											1	
Finland																	1												1								2	
France	1													5			2	1			1		3					7				2	2		2	3	27	
Germany			1		1		2			1				3	4	4					1		3					10	1		2	2		1		6	42	
Greece	1																																				1	
Hungary	1																1				1																3	
Iceland																																					0	
India (A)															1																						1	
Ireland										1																										1	2	
Israel									1					1			2							1					2						1		8	
Italy		1	1							1	2		2		1														2	1	1		1			1	15	
Lithuania																												1									1	
Luxembourg																																					0	
Malta																																					0	
Netherlands									1	1						2								1					6							1	12	
Norway				1																								3	1			1					6	
Poland																																		1			1	
Portugal											1																					1					2	
Singapore (A)																	1										1										2	
Slovak Republic																																					0	
Slovenia																																					0	
Spain									1	1		1		2	1	1						1	1										1			4	14	
Sweden	2			1			1				1	1					3				1						1	2				3				2	18	
Switzerland					1		1	1	1							1	3						1					3				1			2	3	18	
Turkey																																					0	
UK	1	2		4					5	3				1		2	8				3		1	2				25	3	3					1	2	4	70
EMBL						1										1							1										2			2	7	
Eastern Europe																																					0	
USA/Canada	1			1	5		1	4	8	1	1				2	1	9				3		1	3				11		4		11					67	
Others				1						2						1	1				1							2		1		3					12	
Total		7	3	2	8	7	1	5	15	19	5	5	0	14	5	15	36	1	0	0	12	1	11	9	0	0	2	77	7	10	2	30	0	6	7	28	350	

\* "From" refers to home laboratory (see list on pages 44 – 71)

# EMBO Young Investigators

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

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

Launched in 2000, the programme has supported 389 scientists in 19 EMBC Member States. Researchers from Singapore, Taiwan and India have joined the programme due to cooperation agreements signed in 2011, 2012 and 2016 respectively. The EMBO Young Investigators benefit from training opportunities designed to raise their profile, widen their networks and support their research groups.

**Gerlind Wallon**  
Programme Manager

## EMBO Young Investigators 2016

Name	Nationality	Institute	Research interest	Country
Igor Adameyko	Swedish	Center for Brain Research, Medical University of Vienna	Skeletal development and regeneration	AT
Bungo Akiyoshi	Japanese	University of Oxford	Unconventional trypanosome kinetochores	UK
Stefan Ameres	German	Institute of Molecular Biotechnology of the Austrian Academy of Sciences, Vienna	RNA silencing	AT
Yosef Buganim	Israeli	The Hebrew University-Hadassah Medical School, Jerusalem	Nuclear reprogramming and embryonic cell fate	IL
Jeremy Carlton	British	King's College London	Membrane remodeling during mitosis	UK
Ana Cvejic	British	University of Cambridge	Blood development	UK
Christophe Dessimoz	Swiss	University of Lausanne and University College London	Phylogenetic analysis	UK
Ana Jesus Garcia Saez	Spanish	Interfaculty Institute of Biochemistry, University of Tuebingen	Membrane dynamics during cell death	DE
Jerome Gros	French	Institut Pasteur	Vertebrate limb formation	FR
Annika Guse	German	Centre for Organismal Studies, Heidelberg University	Molecular basis of symbiosis	DE
Grzegorz Kudla	Polish	MRC Institute of Genetics & Molecular Medicine, University of Edinburgh	Quantitative RNA biology	UK
Martin Lenz	French	The French National Center for Scientific Research and University of Paris-Sud	Cytoskeletal mechanics	FR
Michelle Linterman	New Zealander	Babraham Institute, Cambridge	The ageing immune system	UK
Ana Claudia Marques	Portuguese	The University of Lausanne	Intergenic long noncoding RNAs	CH
Miratul Muqit	British	University of Dundee, School of Life Sciences	PINK1 kinase signalling	UK
John O'Neill	British	MRC Laboratory of Molecular Biologyn	Cellular rhythms and metabolic regulation	UK
Giulia Rancati	Italian	Agency for Science, Technology and Research, A-STAR	Adaptive evolution in eukaryotes	SG

#### EMBO Young Investigators 2016

Name	Nationality	Institute	Research interest	Country
Jan Rehwinkel	German	Weatherall Institute of Molecular Medicine, University of Oxford	Innate immune receptors	UK
Pere Roca-Cusachs	Spanish	Institute for Bioengineering of Catalonia and University of Barcelona	Cellular mechanosensing	ES
Suzan Rooijakkers	Dutch	University Medical Center Utrecht	Complement and bacteria	NL
Carmine Settembre	Italian	Telethon Institute of Genetics and Medicine, Naples	Lysosome-autophagy pathway	IT
Minhajuddin Sirajuddin	Indian	Institute for Stem Cell Biology and Regenerative Medicine, Bangalore	Regulation of microtubules	IN
Kikue Tachibana-Konwalski	Austrian	Institute of Molecular Biotechnology of the Austrian Academy of Sciences, Vienna	Oocyte-to-zygote transition	AT
Igor Ulitsky	Israeli	Weizmann Institute of Science, Rehovot	Long noncoding RNAs	IL
Claire Wyart	American	Brain & Spine Institute, Université Pierre et Marie Curie, Paris	The interface between cerebrospinal fluid and central nervous system	FR

**A**

Adameyko, Igor  
 Adams, Ralf  
 Agami, Reuven  
 Ahel, Ivan  
 Akiyoshi, Bungo  
 Alimonti, Andrea  
 Allain, Frédéric  
 Alon, Uri  
 Ameres, Stefan  
 Amit, Ido  
 Antonny, Bruno  
 Arber, Silvia  
 Arkowitz, Robert  
 Arribas, Joaquin  
 Ashe, Hilary  
 Asher, Gad  
 Averof, Michalis  
 Azzalin, Claus Maria

**B**

Barkai, Naama  
 Barr, Francis  
 Barral, Yves  
 Barre, François-Xavier  
 Basler, Marek  
 Basto, Renata  
 Batista, Facundo  
 Baum, Buzz  
 Bäurle, Isabel  
 Behrens, Axel  
 Beja, Oded  
 Bellaïche, Yohanns  
 Ben-Yehuda, Sigal  
 Benton, Richard  
 Berezikov, Eugene  
 Berger, Frédéric  
 Bertolotti, Anne  
 Bertrand, Edouard  
 Bettencourt-Dias, Mónica  
 Blanpain, Cédric  
 Blázquez, Miguel  
 Bochtler, Matthias  
 Boulton, Simon  
 Bousso, Philippe  
 Boutros, Michael  
 Briscoe, James  
 Brodin, Priscille  
 Broz, Petr  
 Buganim, Yosef

Bühler, Marc  
 Bujnicki, Janusz  
 Bumann, Dirk

**C**

Cabernard, Clemens  
 Carballido-Lopez, Rut  
 Carleton, Alan  
 Carlton, Jeremy  
 Carroll, Jason  
 Carter, Andrew  
 Chaves Simoes De  
 Carvalho, Pedro Nuno  
 Casares, Fernando  
 Cavaillé, Jérôme  
 Chin, Jason  
 Chiti, Fabrizio  
 Choudhary, Chunaram  
 Christoforidis, Savvas  
 Clausen, Tim  
 Collinson, Ian  
 Conradt, Barbara  
 Corona, Davide  
 Cortés Ledesma, Felipe  
 Cosma, Maria Pia  
 Costanzo, Vincenzo  
 Cowling, Victoria  
 Cramer, Patrick  
 Currie, Peter  
 Cvejic, Ana

**D**

d'Adda di Fagagna, Fabrizio  
 Daumke, Oliver  
 Davis, Daniel  
 de Gier, Jan-Willem  
 De Visser, Karin  
 Del Bene, Filippo  
 Del Pozo, Miguel  
 Delledonne, Massimo  
 Dessen, Andrea  
 Dessimoz, Christophe  
 Dickson, Barry  
 Dominguez, María  
 Donaldson, Anne  
 Drew, David  
 Dutzler, Raimund

**E**

Einsle, Oliver  
 Elena, Santiago  
 Elf, Johan  
 Etienne-Manneville, Sandrine  
 Ettema, Thijs  
 Eulalio, Ana

**F**

Fankhauser, Christian  
 Fernández-Capetillo, Óscar  
 Fernández-Chacón, Rafael  
 Fischer, André  
 Friml, Jiří  
 Fuks, François

**G**

Garcia Saez, Ana Jesus  
 Garel, Sonia  
 Garinis, George  
 Geldner, Niko  
 Gerhardt, Holger  
 Gerlich, Daniel  
 Gil, Jesús  
 Ginhoux, Florent  
 Glotzer, Michael  
 Gönczy, Pierre  
 González-Reyes, Acaimo  
 Gotta, Monica  
 Grill, Stephan  
 Gros, Jerome  
 Groth, Anja  
 Grunwald Kadow, Ilona  
 Guse, Annika  
 Gyrd-Hansen, Mads

**H**

Hajkova, Petra  
 Hajnal, Alex  
 Halic, Mario  
 Hanna, Jacob  
 Hardingham, Giles  
 Harkany, Tibor  
 Hassan, Bassem  
 Haucke, Volker  
 Helariutta, Ykä  
 Helms, Volkhard

Hidalgo, Alicia  
 Hiller, Sebastian  
 Hirst, Judy  
 Hoffmann, Eva  
 Holstege, Frank  
 Hoogenraad, Casper  
 Hopfner, Karl-Peter  
 Hoppe, Thorsten  
 Hothorn, Michael  
 Huertas, Pablo  
 Huiskens, Jan  
 Hummel, Thomas

**I**

Iannaccone, Matteo  
 Itzkovitz, Shalev  
 Ivaska, Johanna

**J**

Jacobs, Jacqueline  
 Janke, Carsten  
 Jansen, Ralf  
 Jarriault, Sophie  
 Jefferis, Gregory  
 Jensen, Torben Heick  
 Jensen, Kim  
 Jessberger, Sebastian  
 Jinek, Martin  
 Jouvenet, Nolwenn  
 Jovine, Luca

**K**

Kaessmann, Henrik  
 Kaufmann, Kerstin  
 Keays, David  
 Ketting, René  
 Khakh, Baljit  
 Khor, Chiea Chuen  
 Klaholz, Bruno  
 Klose, Robert  
 Knoblich, Jürgen  
 Köhler, Claudia  
 Komander, David  
 Kondrashov, Fyodor  
 Konieczny, Igor  
 Koszul, Romain  
 Kraft, Claudine  
 Kudla, Grzegorz  
 Kulathu, Yogesh  
 Kunji, Edmund

**L**

Labib, Karim  
 Lakadamyali, Melike  
 Längst, Gernot  
 Lappalainen, Pekka  
 Lecuit, Thomas  
 Legube, Gaëlle  
 Lehner, Ben  
 Lemaitre, Bruno  
 Lenz, Martin  
 Leulier, François  
 Levashina, Elena  
 Leys, David  
 Linterman, Michelle  
 Liu, Hai-Kun  
 Logan, Malcolm  
 Logan, Darren  
 Lohmann, Jan  
 Lopes, Massimo  
 López-Bendito, Guillermina  
 Lorentzen, Esben  
 Lovering, Andrew  
 Löwe, Jan  
 Lüdde, Tom  
 Luke, Brian  
 Lygerou, Zoi

**M**

Madan Babu, M.  
 Mailand, Niels  
 Mäkinen, Taina  
 Málnási Csizmadia, András  
 Mansuy, Isabelle  
 Manzanares, Miguel  
 Marín, Oscar  
 Marine, Jean-Christophe  
 Marques, Ana Claudia  
 Marques-Bonet, Tomas  
 Marston, Adèle  
 Martens, Sascha  
 Martin, Sophie  
 Martín-Bermudo, María  
 Dolores  
 Martín-Serrano, Juan  
 Martinez, Javier  
 Más, Paloma  
 Mathieu, Olivier  
 Mattevi, Andrea

Mazzone, Massimiliano  
 Mehlen, Patrick  
 Meier, Pascal  
 Meraldi, Patrick  
 Miguel-Aliaga, Irene  
 Milán, Marco  
 Milo, Ron  
 Miska, Eric  
 Mitchell, Kevin  
 Mizuno, Naoko  
 Møller, Simon Geir  
 Morillon, Antonin  
 Mosialos, George  
 Mota, Maria  
 Muqit, Miratul  
 Musacchio, Andrea

**N**

Nagy, László  
 Nakamura, Yuki  
 Navarro, Lionel  
 Nehrbass, Ulf  
 Neuhaus, Stephan  
 Nichols, Benjamin  
 Nissen, Poul  
 Nollen, Ellen  
 Norden, Caren  
 Noselli, Stéphane

**O**

O'Neill, John  
 Odum, Duncan  
 Oldroyd, Giles  
 Otzen, Daniel  
 Owen, David  
 Owen-Hughes, Tom  
 Oxenius, Annette

**P**

Palková, Zdena  
 Palmer, Ruth  
 Pasero, Philippe  
 Pasini, Diego  
 Passmore, Lori  
 Peepers, Daniel  
 Pellizzoni, Livio  
 Peracchi, Alessio  
 Perrakis, Anastassis  
 Peters, Jan-Michael  
 Peters, Antoine

Petronczki, Mark  
Philpott, Dana  
Picotti, Paola  
Pierre, Philippe  
Pilpel, Yitzhak  
Plachta, Nicolas  
Poirazi, Panayiota  
Polo, Simona  
Posas, Francesc  
Potente, Michael  
Prud'homme, Benjamin

## R

Radtke, Freddy  
Ralser, Markus  
Rancati, Giulia  
Reddy, Akhilesh  
Rehwinkel, Jan  
Reich, Ziv  
Rescigno, Maria  
Reversade, Bruno  
Ricci, Romeo  
Richards, Thomas  
Rico, Beatriz  
Rink, Jochen  
Rizzoli, Silvio  
Robinson, Robert  
Roca-Cusachs, Pere  
Rodriguez, Ivan  
Rooijackers, Suzan  
Roska, Botond  
Rouse, John

## S

Sablina, Anna  
Sahai, Erik  
Salecker, Iris  
Sandberg, Rickard  
Santos, Manuel  
Saudou, Frédéric  
Schärer, Orlando  
Schedl, Andreas  
Schleper, Christa  
Schlötterer, Christian  
Schneitz, Kay  
Schnittger, Arp  
Schnorrer, Frank  
Schratt, Gerhard  
Schübeler, Dirk  
Schuh, Melina  
Schuldiner, Maya

Schulze, Almut  
Schwappach, Blanche  
Scorrano, Luca  
Segal, Eran  
Selbach, Matthias  
Seoane, Joan  
Settembre, Carmine  
Shcherbata, Halyna  
Silva-Santos, Bruno  
Simons, Mikael  
Sirajuddin, Minhajuddin  
So, Eric  
Sorek, Rotem  
Sourjik, Victor  
Soutoglou, Evi  
Spahn, Christian  
Spang, Anne  
Sprecher, Simon  
Stancheva, Irina  
Stark, Alexander  
Stock, Daniela  
Sträßer, Katja  
Strick, Terence  
Stumpf, Michael  
Suomalainen-Wartiovaara, Anu  
Szabó, Ildikó

## T

Tachibana-Konwalski, Kikue  
Taipale, Jussi  
Tamagnone, Luca  
Tanaka, Tomoyuki  
Tanay, Amos  
Tapon, Nicolas  
Tarsounas, Madalena  
Tavernarakis, Nektarios  
Teichmann, Sarah  
Teixeira, Maria Teresa  
Teleman, Aurelio  
Telford, Maximilian  
Tessmar-Raible, Kristin  
Thérond, Pascal  
Thery, Manuel  
Thiele, Ines  
Thompson, Barry  
Tolar, Pavel  
Torres-Padilla, Maria-Elena  
Trousche, Didier

Trumpf, Andreas  
Tsiantis, Miltos  
Tuschl, Thomas

## U

Uhlmann, Frank  
Ulitsky, Igor  
Ulrich, Helle  
Ungermann, Christian

## V

van Aalten, Daan  
Van den Ackerveken, Guido  
van der Goot, Gisou  
van Steensel, Bas  
Vannini, Alessandro  
Veening, Jan-Willem  
Veldhoen, Marc  
Vendruscolo, Michele  
Vermot, Julien  
Verstrepen, Kevin  
Vinkemeier, Uwe  
Viola, Antonella  
Voinnet, Olivier

## W

Walden, Helen  
Walther, Tobias  
West, Steven  
Wilson, Daniel  
Wimmer, Ernst  
Wollert, Thomas  
Wutz, Anton  
Wyart, Claire

## Y

Yanai, Itai

## Z

Zarivach, Raz  
Zeeman, Samuel  
Zegerman, Philip  
Zernicka-Goetz, Magdalena  
Zimmermann, Pascale  
Zuber, Johannes

# EMBO Young Investigators: statistics

## Applications and awards 2007–2016

Country	2007		2008		2009		2010		2011		2012		2013		2014		2015		2016	
	Appl.	Aw.	Appl.	Aw.	Appl.	Aw.	Appl.	Aw.	Appl.	Aw.	Appl.	Aw.	Appl.	Aw.	Appl.	Aw.	Appl.	Aw.	Appl.	Aw.
Austria	2	1	1	0	2	0	1	0	0	0	2	2	3	1	8	3	8	0	4	3
Belgium	6	1	2	0	6	1	3	1	3	0	3	0	5	1	9	1	2	0	3	0
Croatia	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0
Czech Republic	0	0	1	0	1	0	0	0	0	0	0	0	1	0	3	0	2	0	3	0
Denmark	2	0	1	0	0	0	2	0	5	1	1	0	4	3	2	0	4	0	6	0
Estonia	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Finland	8	0	2	0	2	0	1	0	2	0	4	0	9	0	3	0	1	0	3	0
France	8	3	11	1	11	0	12	0	23	4	21	3	29	3	20	4	23	4	15	3
Germany	19	3	21	1	17	2	22	7	19	3	16	1	17	2	31	7	25	4	34	2
Greece	4	0	2	0	2	0	2	0	1	0	1	1	0	0	2	0	1	0	0	0
Cyprus	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0
Hungary	0	0	3	0	1	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0
Iceland	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
India	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	1
Ireland	0	0	0	0	1	0	2	0	2	0	1	0	0	0	2	0	3	0	1	0
Israel	2	1	4	0	6	1	7	1	4	1	10	4	8	1	7	1	6	1	8	2
Italy	10	1	4	0	15	1	12	1	11	0	8	0	7	0	10	1	12	1	10	1
Luxembourg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
Netherlands	5	1	7	0	7	1	7	1	6	1	13	1	11	1	7	0	6	1	9	1
Norway	0	0	0	0	0	0	0	0	1	0	3	0	2	0	2	0	0	0	0	0
Poland	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
Portugal	1	0	1	0	2	1	5	1	3	0	3	0	19	0	9	0	4	0	12	0
Singapore	0	0	0	0	0	0	0	0	0	0	4	1	1	1	3	0	6	2	3	1
Slovakia	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0
Slovenia	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spain	18	3	12	1	8	0	14	3	27	0	23	1	28	3	21	1	11	1	16	1
Sweden	14	1	3	0	3	1	4	0	8	1	7	1	6	1	11	0	7	1	6	0
Switzerland	4	0	5	2	11	6	11	1	11	3	10	2	7	1	10	3	11	5	9	2
Taiwan	0	0	0	0	0	0	0	0	0	0	0	0	1	0	4	1	3	0	1	0
Turkey	2	0	3	0	1	0	0	0	1	0	4	0	0	0	1	0	2	0	1	0
United Kingdom	26	3	32	7	24	3	32	5	34	8	22	5	29	5	33	4	33	3	47	8
Others	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	0	15	144	0
<b>Total</b>	<b>132</b>	<b>18</b>	<b>116</b>	<b>12</b>	<b>123</b>	<b>17</b>	<b>137</b>	<b>21</b>	<b>164</b>	<b>22</b>	<b>160</b>	<b>22</b>	<b>192</b>	<b>23</b>	<b>202</b>	<b>27</b>	<b>174</b>	<b>23</b>	<b>400</b>	<b>24</b>
Female	37	3	32	2	34	4	39	3	57	8	57	8	59	5	64	7	64	8	65	9
Male	95	15	84	10	89	13	98	18	107	14	103	14	133	18	138	20	110	15	149	16



## EMBO Young Investigator Lectures 2016

Young Investigator	Conference	Location	Date
Alexander Stark	Keystone Symposia: Enhancer Malfunction in Cancer	US-Santa Fe	21–24 February
Pavel Tolar	Keystone Conference: Antibodies as Drugs	CA-Whistler	6–10 March
Shalev Itzkovitz	Keystone Symposia – Islet Biology: From Cell Birth to Death	US-Keystone	13–17 March
Niels Mailand	Responses to DNA damage: from molecule to disease	NL-Egmond aan Zee	17–22 April
Gaëlle Legube	Responses to DNA damage: from molecule to disease	NL-Egmond aan Zee	17–22 April
Jacqueline Jacobs	Responses to DNA damage: from molecule to disease	NL-Egmond aan Zee	17–22 April
François Leulier	Mechanisms of Insect Nutritional Homeostasis	DE-Bonn	1–4 May
Kristin Tessmar-Raible	SRBR 2016: 15th biennial conference of the Society for Research on Biological Rhythms	US-Palm Harbor, Florida	21–25 May
Petra Hajkova	Gordon Research Conference: Chromatin Structure and Function	CH-Les Diablerets	22–27 May
Anja Groth	Gordon Research Conference: Chromatin Structure and Function	CH-Les Diablerets	22–27 May
Anna Sablina	EMBO Conference: Cellular Signalling and Cancer Therapy	HR-Cavtat	27–31 May
Petr Broz	Conference on Molecular Mechanisms of Inflammation	NO-Trondheim	30 May–2 June
Yuki Nakamura	International Workshop on Plant Membrane Biology	US-Annapolis	5–10 June
Thomas Wollert	Keystone Conference: Autophagy: Molecular and Physiological Mechanisms	CA-Whistler	5–9 June
Frank Schnorrer	Frontiers in Myogenesis: Molecular Mechanisms Modulating Skeletal Muscle Development and Homeostasis in Health and Disease	US-Pacific Grove	6–11 June
Gad Asher	2016 Lipoprotein Metabolism Gordon Research Conference	US-Waterville Valley	12–17 June
Yogesh Kulathu	FASEB Conference Ubiquitin and Cellular Regulation	US-Big Sky Resort,	12–17 June
Florent Ginhoux	Microglia in the brain, Keystone symposia	US-Keystone	12–16 June
Pedro Carvalho	Storage and breakdown of fatty acids	FI-Kirkkonummi	13–15 June
Thomas Richards	Gordon Research Conference: Cellular & Molecular Fungal Biology	US-Plymouth	19–23 June
Matteo Iannaccone	Immunochemistry & Immunobiology Gordon Research Conference	IT-Il Ciocco	19–23 June
Manuel Thery	A Biochemical Society/European Cytoskeletal Forum meeting: Cell Adhesion and migration.	GB-Cambridge	20–23 June
Melina Schuh	Chromosome Segregation and Aneuploidy	IE-Galway	25–29 June
Nicolas Plachta	Janelia Conferences Imaging Mouse Development	US-Ashburn	27–30 June
Yuki Nakamura	22nd International Symposium on Plant Lipids (ISPL)	DE-Göttingen	3–8 July

## EMBO Young Investigator Lectures 2016

Young Investigator	Conference	Location	Date
Melike Lakadamyali	Gordon Research Conference: Single Molecule Approaches to Biology	CN-Hong Kong	3–8 July
Lori Passmore	FASEB conference: Post-transcriptional control of gene expression: mechanisms of RNA decay	PT-Lisbon	10–15 July
Frank Schnorrer	IMM Lisbon seminar	PT-Lisbon	10–12 July
Andrew Carter	Muscle and Molecular Motors Gordon Research Conference	US-West Dover	17–22 July
Renata Basto	12th International Congress of Cell Biology (Exploring Cellular Structure and Function)	CZ-Prague	21–25 July
Petra Hajkova	12th International Congress of Cell Biology (Exploring Cellular Structure and Function)	CZ-Prague	21–25 July
Claus Maria Azzalin	12th International Congress of Cell Biology (Exploring Cellular Structure and Function)	CZ-Prague	21–25 July
Anja Groth	2016 Genomic Instability Gordon Research Conference	CN-Hong Kong	24–29 July
Gaëlle Legube	2016 Genomic Instability Gordon Research Conference	CN-Hong Kong	24–29 July
Lori Passmore	80th Harden Conference: Machines on Genes IV – Mechanisms of Actions of Large Macromolecular Machines on Genes Across Biological Scales	GB-Macclesfield	31 July–5 August
Alessandro Vannini	80th Harden Conference: Machines on Genes IV – Mechanisms of Actions of Large Macromolecular Machines on Genes Across Biological Scales	GB-Macclesfield	31 July–5 August
Isabelle Mansuy	FEBS/EMBO Chromatin and the Environment Lecture Course	GR-Spetses	4 August
Brian Luke	EMBO Workshop: Molecular mechanisms of ageing and regeneration - From pluripotency to senescence	GR-Spetses	16–24 August
Marek Basler	16th International Symposium on Microbial Ecology (ISME16)	CA-Montreal	21–26 August
François Leulier	EMBO  FEBS Lecture Course, the new microbiology	GR-Spetses	24 August–1 September
Maya Schuldiner	EMBO Workshop: Organelle contact sites: Intracellular communication and role in disease	IT-Sardinia	15–18 September
Philip Zegerman	EMBO Workshop: Nuclear Function and Cell Fate Choice	GR-Kyllini	18–22 September
Frank Schnorrer	30th French Drosophila meeting/DROSO2016	FR-Grasse	27–30 September
Jacob Hanna	Molecular Life of Stem Cell	SI-Ljubljana	30 September–1 October
Anja Groth	FEBS Workshop on Chromatin Proteomics	GR-Heraklion	3–9 October
Halyna Shcherbata	EIE Symposium: The Complex Life of mRNA	DE-Heidelberg	5–8 October

# EMBO Young Investigator Lectures 2016

Young Investigator	Conference	Location	Date
Claudine Kraft	6th Annual Scientific Days on Autophagy	FR-Bordeaux	12 – 14 October
Julien Vermot	Mechanical forces in physiology and disease	ES-Madrid	4 – 5 November
Jochen Rink	Joint Events of “the 22nd International Conference of Zoology” and “the 87th Meeting of Zoological Society of Japan”	JP-Okinawa	15 – 19 November
Paola Picotti	18th EMBL PhD Symposium	DE-Heidelberg	17 – 19 November
Jan-Willem Veening	EMBO Conference on Bacterial Morphogenesis, Survival and Virulence: Regulation in 4D	IN-Thiruvananthapuram	27 November – 1 December
Marek Basler	EMBO Conference on Bacterial Morphogenesis, Survival and Virulence: Regulation in 4D	IN-Thiruvananthapuram	27 November – 1 December

# EMBO Installation Grants

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

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

*EMBO Installation Grants*, launched in 2006, strengthen science by funding researchers to relocate and establish laboratories in one of the participating member states of Croatia, Czech Republic, Estonia, Poland, Portugal, and Turkey. Awardees are closely integrated into the Young Investigator network, helping them to build reputations in the European scientific community.

**Gerlind Wallon**  
Programme Manager

## EMBO Installation Grant Recipients 2016

Name	Nationality	Moving from	Moving to	Research interest
<b>Jaan-Olle Andressoo</b>	Estonian	University of Helsinki, FI	Tallinn Institute of Technology, EE	Gene knock-up via 3'UTR targeting to treat Parkinson's disease
<b>Claus Maria Azzalin</b>	Italian	Institute of Biochemistry, ETH Zurich, CH	Institute of Molecular Medicine, Lisbon, PT	Telomeres, cancer and aging
<b>Murat Alper Cevher</b>	Turkish	Rockefeller University, NY, US	Bilkent University, Ankara, TR	Characterization of mediator-estrogen receptor interaction
<b>Rafal Ciosk</b>	Swiss	Friedrich Miescher Institute for Biomedical Research, Basel, CH	Institute of Bioorganic Chemistry, Poznan, PL	Cell fate plasticity in development and tissue homeostasis
<b>Catarina Homem*</b>	Portuguese	Chronic Diseases Research Center from Nova Medical School (CEDOC-NMS FCM-UNL), PT	Chronic Diseases Research Center from Nova Medical School (CEDOC-NMS FCM-UNL), PT	Temporal and metabolic regulation of stem cells.
<b>Abdullah Kahraman</b>	German	Institute of Molecular Life Sciences, University of Zurich, CH	Sabanci University, Istanbul, TR	Non-coding cancer driver mutations in isoform networks
<b>Vladimír Varga</b>	Czech	University of Oxford, UK	Institute of Molecular Genetics, ASCR, Prague, CZ	Construction of the eukaryotic flagellum
<b>Piotr Ziolkowski</b>	Polish	University of Cambridge, Cambridge, UK	Adam Mickiewicz University, Poznan, PL	Crossover control in plants

\* Replaced Sonia Melo, selected 2015

# EMBO Courses & Workshops

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

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

The *EMBO Courses & Workshops Programme* funds high-quality meetings and provides scientists at all career stages with networking and training opportunities. The application and selection processes ensure that the latest developments in science are reflected in the programme.

Anne-Marie Glynn and  
Gerlind Wallon  
Programme Manager

## EMBO Courses | Workshops | Conferences | Symposia 2016

	Title	Organizer	Location	Dates
<b>Practical Courses</b> EMBC Member States	Metabolomics bioinformatics for life scientists	R. Salek	UK-Cambridge	14 – 19 February
	Advanced optical microscopy	B. Amos	UK-Plymouth	6 – 16 April
	Characterization of post-translational modifications	M.R. Larsen	DK-Odense	7 – 14 April
	Single cell gene expression analysis	A. Ståhlberg	DE-Heidelberg	11 – 16 April
	In vivo plant imaging	A. Maizel	DE-Heidelberg	24 April – 1 May
	Bioinformatics and genome analyses	F. Tekaiia	TR-Izmir	2 – 14 May
	Computational molecular evolution	A. Stamatakis	GR-Heraklion	8 – 19 May
	Structural characterization of macromolecular complexes	C. Petosa	FR-Grenoble	21 – 27 May
	Non-neuronal optogenetics: From design to application in cell signalling and tissue morphogenesis	S. De Renzi	DE-Heidelberg	29 May – 4 June
	Computational analysis of protein-protein interactions: Sequences, networks and diseases	Z. Dosztányi	HU-Budapest	30 May – 4 June
	Fluorescence microscopy methods to study protein-protein interactions in living cells	M. Tramier	FR-Rennes	6 – 11 June
	Regulatory small and long ncRNAs: Durat et lucet	V. Benes	IT-Trento	11 – 17 June
	Advanced methods of electron microscopy in cell biology	J. Nebesarova	CZ-České Budějovice	14 – 24 June
	Computational biology: Genomes to systems	P. Bork	DE-Heidelberg	19 – 23 June
	3D developmental imaging	G. Martins	PT-Oeiras	1 – 9 July
	Integrative modelling of biomolecular interactions	A. Bonvin	ES-Barcelona	4 – 9 July
	Correlative light electron microscopy	P. Verkade	UK-Bristol	10 – 15 July

## EMBO Courses | Workshops | Conferences | Symposia 2016

	Title	Organizer	Location	Dates
<b>Practical Courses</b> EMBC Member States (continued)	Multidimensional NMR in structural biology	C. Griesinger	DE-Joachimsthal	10–15 July
	Light sheet microscopy	P. Tomancak	DE-Dresden	15–26 August
	Cryo-electron microscopy and 3D image processing	C. Sachse	DE-Heidelberg	28 August–5 September
	Analysis of high-throughput sequencing data	G. Rustici	UK-Cambridge	5–10 September
	Protein expression, purification, and characterization (PEPC10)	R. Meijers	DE-Hamburg	12–20 September
	New approaches to study ubiquitin and ubiquitin-like modifications	D. Komander	IT-Alghero	17–24 September
	Non-coding RNA in infection	J. Vogel	DE-Würzburg	18–24 September
	Targeted NGS in patients with cancer, mendelian or complex diseases	G. Wator	PL-Krakow	19–23 September
	Modelling cellular processes in space and time	F. Nedelec	FR-Hyères	15–22 October
	High throughput microscopy for systems biology	R. Pepperkok	DE-Heidelberg	17–23 October
	Solution scattering from biological macromolecules	D. Svergun	DE-Hamburg	17–24 October
	Biomolecular interaction analysis 2016: From molecules to cells	F. Silva	PT-Porto	7–11 November
	Targeted proteomics: Experimental design and data analysis	E. Sabidó	ES-Barcelona	13–18 November
<b>Practical Courses</b> Non-EMBC Member States	Phylogenetics in the '-omics' era	M. O'Connell	PE-Iquitos	10–17 January
<b>Workshops</b> EMBC Member States	Systems biology of non-coding RNAs	I. Ulitsky	IL-Rehovot	8–11 February
	Multiple functions of piRNAs and PIWI proteins	M. Simonelig	FR-Montpellier	6–9 April
	Neural control of metabolism and eating behaviour	A. Domingos	PT-Cascais	5–7 May
	Molecular biology of mitochondrial gene expression	M. Ott	SE-Bro	23–26 May
	Mechanisms of neuronal remodelling	T. Misgeld	DE-Seeon	5–9 June
	RNA structure meets function	K. Petzold	SE-Stockholm	12–15 June
	Dendritic anatomy, molecules and function	P. Poirazi	GR-Heraklion	18–21 June

## EMBO Courses | Workshops | Conferences | Symposia 2016

	Title	Organizer	Location	Dates
<b>Workshops</b> EMBC Member States (continued)	Membrane fusion in health and disease	F.A. Rey	FR-Paris	20–24 June
	New model systems for early land plant evolution	F. Berger	AT-Vienna	22–24 June
	Chromosome segregation and aneuploidy	K. Sullivan	IE-Galway	25–29 June
	Advanced proteomics	B. Kuster	IT-Varna	31 July–6 August
	Molecular mechanisms of ageing and regeneration: From pluripotency to senescence	C. Englert	GR-Spetses	16–24 August
	Bacterial cell division: Orchestrating the ring cycle	O. Massidda	CZ-Prague	14–17 September
	Cell size regulation	M. Fainzilber	DE-Joachimsthal	14–18 September
	Organelle contact sites: Intracellular communication and role in disease	L. Scorrano	IT-Domus de Maria	15–18 September
	Nuclear function and cell fate choice	S. Taraviras	GR-Kyllini	18–22 September
	The modularity of signalling proteins and networks	B. Mayer	AT-Seefeld in Tirol	20–25 September
	Glycosylation in the Golgi complex	S. Parashuraman	IT-Vico Equense	24–28 October
	Transducing glycan information into function: Lessons from galectins	L. Johannes	FR-Mandelieu-la-Napoule	27 November–1 December
<b>Workshops</b> EMBC Cooperation Partner	AIDS-related mycoses	T. Bicanic	ZA-Cape Town	13–15 July
<b>Workshops</b> Non-EMBC Member States	Actualizations in membrane trafficking in health and disease	M.P. Marzolo	CL-La Serena	4–9 September
<b>Conferences</b> EMBC Member States	From host genomes to microbiome: Immunity in the genomic era	I. Amit	IL-Rehovot	14–16 February
	Visualizing biological data (VIZBI 2016)	S. O'Donoghue	DE-Heidelberg	9–11 March
	Telomeres, telomerase and disease	R. Wellinger	BE-Liege	26 April–1 May
	Imaging the brain	J. Wlodarczyk	PL-Warsaw	18–21 May
	Cellular signalling and cancer therapy	J.L. Bos	HR-Cavtat	27–31 May
	Gene transcription in yeast: From chromatin to RNA and back	F.C. Holstege	ES-Sant Feliu de Guixols	11–16 June

## EMBO Courses | Workshops | Conferences | Symposia 2016

	Title	Organizer	Location	Dates
<b>Conferences</b> EMBC Member States (continued)	The biochemistry and chemistry of biocatalysis: From understanding to design	R. Wierenga	FI-Oulu	12–15 June
	Problems of listeriosis (ISOPOL XIX)	P. Cossart	FR-Paris	14–17 June
	Molecular and developmental biology of <i>Drosophila</i>	S. Bray	GR-Chania, Crete	19–25 June
	Ribosome structure and function 2016	M. Yusupov	FR-Strasbourg	6–10 July
	Viruses of microbes 2016	M. Clokie	UK-Liverpool	18–22 July
	The nitrogen nutrition of plants: Nitrogen 2016	A. Gojon	FR-Montpellier	22–26 August
	Chemical biology 2016	C. Schultz	DE-Heidelberg	31 August– 3 September
	Lymphocyte antigen receptor signalling	C.T. Baldari	IT-Pontignano	3–7 September
	Wnt meeting 2016	V. Bryja	CZ-Brno	14–17 September
	The molecular and cellular basis of regeneration and tissue repair	P. Ferretti	IT-Paestum	17–21 September
	Tuberculosis 2016: Interdisciplinary research on tuberculosis and pathogenic mycobacteria	R. Brosch	FR-Paris	19–23 September
	Retinal proteins	P. Hegemann	DE-Potsdam	2–7 October
	Translational research in cancer cell metabolism	A. Carracedo	ES-Bilbao	4–6 October
	Cilia 2016	R. Roepman	NL-Amsterdam	4–7 October
	Experimental approaches to evolution and ecology using yeast and other model systems	L. Steinmetz	DE-Heidelberg	19–22 October
	Structure and function of the endoplasmic reticulum	P. Carvalho	ES-Girona	23–27 October
	From functional genomics to systems biology	E. Furlong	DE-Heidelberg	12–15 November
	Molecular machines: Integrative structural and molecular biology	D. Panne	DE-Heidelberg	20–23 November
	Innate lymphoid cells – 2016	C. Romagnani	DE-Berlin	30 November – 2 December
<b>Conferences</b> Associate EMBC Member State	Bacterial morphogenesis, survival and virulence: Regulation in 4D	S. Radhakrishnan	IN-Thiruvananthapuram	27 November – 1 December



## EMBO Courses | Workshops | Conferences | Symposia 2016

	Title	Organizer	Location	Dates
<b>EMBO   EMBL Symposium</b> EMBC Member States	A new age of discovery for aquatic microeukaryotes	C. Bowler	DE-Heidelberg	26–29 January
	Tumour microenvironment and signalling	A.J. Berns	DE-Heidelberg	3–6 April
	New model systems for linking evolution and ecology	D. Weigel	DE-Heidelberg	8–11 May
	Microtubules: From atoms to complex systems	C. Janke	DE-Heidelberg	29 May–1 June
	Innate immunity in host-pathogen interactions	F. Randow	DE-Heidelberg	26–29 June
	Actin in action: From molecules to cellular functions	P. Lénárt	DE-Heidelberg	7–10 September
	The complex life of mRNA	A. Ephrussi	DE-Heidelberg	5–8 October
	Organoids: Modelling organ development and disease in 3D culture	J. Knoblich	DE-Heidelberg	12–15 October
<b>EMBO   FEBS Lecture Courses</b> EMBC Member States	Chromatin and the environment	A.G. Ladurner	GR-Spetses	8–14 August
	The new microbiology	P. Cossart	GR-Spetses	24 August–1 September
<b>EMBO Global Exchange Lecture Courses</b> Non-EMBC Member States	Structural and biophysical methods for biological macromolecules in solution	D. Svergun	KR-Suwon	19–26 June
	Small brains, big ideas	J. Ewer	CL-Las Cruces	10–19 November

**Laboratory Management Courses 2016** (30 courses given to 478 scientists)

	Course participants	Organizer	Location	Dates
EMBO Laboratory Management Courses*	Female Scientists	A. Glynn & M. Cairns	DE-Leimen	8–10 June
	Female Scientists	A. Glynn & M. Cairns	DE-Leimen	14–16 September
	Group Leaders	A. Glynn & M. Cairns	DE-Leimen	1–4 February
	Group Leaders	A. Glynn & M. Cairns	DE-Leimen	7–10 March
	Group Leaders	A. Glynn & M. Cairns	DE-Leimen	11–14 April
	Group Leaders	A. Glynn & M. Cairns	DE-Leimen	9–12 May
	Group Leaders	A. Glynn & M. Cairns	DE-Leimen	12–15 July
	Group Leaders (external course)	A. Glynn & M. Cairns	US-Cambridge, MA	26–29 September
	Group Leaders	A. Glynn & M. Cairns	DE-Leimen	10–13 October
	Group Leaders	A. Glynn & M. Cairns	DE-Leimen	7–10 November
	Group Leaders (external course)	A. Glynn & M. Cairns	IE-Dublin	15–17 November
	Group Leaders	A. Glynn & M. Cairns	DE-Leimen	14–17 November
	Group Leaders (external course)	A. Glynn & M. Cairns	UK-Cambridge	21–24 November
	Group Leaders (external course)	A. Glynn & M. Cairns	UK-Cambridge	28 November–1 December
	Group Leaders	A. Glynn & M. Cairns	DE-Leimen	5–8 December
	Postdocs	A. Glynn & M. Cairns	DE-Leimen	26–28 January
	Postdocs	A. Glynn & M. Cairns	DE-Leimen	16–18 February
	Postdocs	A. Glynn & M. Cairns	DE-Leimen	14–16 March
	Postdocs	A. Glynn & M. Cairns	DE-Leimen	29–31 March
	Postdocs	A. Glynn & M. Cairns	DE-Leimen	19–21 April
	Postdocs	A. Glynn & M. Cairns	DE-Leimen	3–5 May
	Postdocs	A. Glynn & M. Cairns	DE-Leimen	30 May–1 June
	Postdocs	A. Glynn & M. Cairns	DE-Leimen	6–8 June
	Postdocs (external course)	A. Glynn & M. Cairns	NL-Utrecht	14–16 June
	Postdocs	A. Glynn & M. Cairns	DE-Leimen	20–22 June
	Postdocs (external course)	A. Glynn & M. Cairns	IL-Rehovot	19–21 September
	Postdocs	A. Glynn & M. Cairns	DE-Leimen	25–27 October
	Postdocs	A. Glynn & M. Cairns	DE-Leimen	2–4 November
	Postdocs	A. Glynn & M. Cairns	DE-Leimen	22–24 November
	Postdocs	A. Glynn & M. Cairns	DE-Leimen	29 November–1 December

\*administered by the Gesellschaft zur Förderung der Lebenswissenschaften Heidelberg GmbH

# EMBO Women in Science

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

EMBO monitors gender balance in all of its activities and develops initiatives to counteract imbalances and to raise awareness of issues facing female scientists as their careers advance. An annual award highlights major contributions of female researchers to the life sciences.

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

Gerlind Wallon  
Manager

## Participation of women in EMBO activities: Statistics

### EMBO Courses & Workshops 2011–2016

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

Year	% women	% female speakers
2011	49	27
2012	47	29
2013	46	30
2014	49	32
2015	49	35
2016*	49	35

\*2016 data represents 72% of the events i.e. 65/90 of the total number of events

## EMBO Membership (including Associate Members)

Year	Total number of members	% Women
2002	1126	13
2003	1162	13
2004	1191	14
2005	1223	14
2006	1271	14
2007	1305	14
2008	1357	14
2009	1413	15
2010	1461	15
2011	1492	15
2012	1532	16
2013	1567	16
2014	1657	17
2015	1695	17
2016	1728	18

## Participation of women in EMBO activities: Statistics

### EMBO Short-Term Fellowships

		Applications	%	Awards	%	Success rate %
2010	Female applicants	230	55	126	58	55
	Male applicants	191	45	93	42	49
	<b>Overall</b>	<b>421</b>		<b>219</b>		<b>52</b>
2011	Female applicants	267	53	152	54	57
	Male applicants	239	47	129	46	54
	<b>Overall</b>	<b>506</b>		<b>281</b>		<b>55</b>
2012	Female applicants	317	54	165	53	52
	Male applicants	268	46	147	47	55
	<b>Overall</b>	<b>585</b>		<b>312</b>		<b>53</b>
2013	Female applicants	340	61	172	61	51
	Male applicants	220	39	108	39	49
	<b>Overall</b>	<b>560</b>		<b>280</b>		<b>50</b>
2014	Female applicants	322	59	167	59	52
	Male applicants	226	41	117	41	52
	<b>Overall</b>	<b>548</b>		<b>284</b>		<b>52</b>
2015	Female applicants	334	60	172	60	51
	Male applicants	223	40	116	40	52
	<b>Overall</b>	<b>557</b>		<b>288</b>		<b>52</b>
2016	Female applicants	362	59	201	57	56
	Male applicants	256	41	149	43	58
	<b>Overall</b>	<b>618</b>		<b>350</b>		<b>57</b>
2010–2016	Female applicants	2171	57	1155	57	53
	Male applicants	1623	43	859	43	53
	<b>Overall</b>	<b>3794</b>		<b>2014</b>		<b>53</b>

## Participation of women in EMBO activities: Statistics

### EMBO Long-Term Fellowships

		Applications	%	Awards	%	Success rate %
2010	Female applicants	802	48	123	45	15
	Male applicants	866	52	152	55	18
	<b>Overall</b>	<b>1668</b>		<b>275</b>		<b>17</b>
2011	Female applicants	748	46	103	38	14
	Male applicants	885	54	165	62	19
	<b>Overall</b>	<b>1633</b>		<b>268</b>		<b>16</b>
2012	Female applicants	739	48	115	47	16
	Male applicants	816	52	132	53	16
	<b>Overall</b>	<b>1555</b>		<b>247</b>		<b>16</b>
2013	Female applicants	793	48	77	42	10
	Male applicants	852	52	108	58	13
	<b>Overall</b>	<b>1645</b>		<b>185</b>		<b>11</b>
2014	Female applicants	742	45	86	35	12
	Male applicants	906	55	161	65	18
	<b>Overall</b>	<b>1648</b>		<b>247</b>		<b>15</b>
2015	Female applicants	773	50	118	47	15
	Male applicants	776	50	134	53	17
	<b>Overall</b>	<b>1549</b>		<b>252</b>		<b>16</b>
2016	Female applicants	733	47	67	39	9
	Male applicants	828	53	103	61	12
	<b>Overall</b>	<b>1561</b>		<b>170</b>		<b>11</b>
2010–2016	Female applicants	5330	47	689	42	13
	Male applicants	5929	53	955	58	16
	<b>Overall</b>	<b>11259</b>		<b>1644</b>		<b>15</b>

## Participation of women in EMBO activities: Statistics

### EMBO Young Investigator Programme

		Applications	%	Awards	%	Success rate %
2010	Female applicants	39	28	3	14	8
	Male applicants	98	72	18	86	18
	<b>Overall</b>	<b>137</b>		<b>21</b>		<b>15</b>
2011	Female applicants	57	35	8	36	14
	Male applicants	107	65	14	64	13
	<b>Overall</b>	<b>164</b>		<b>22</b>		<b>13</b>
2012	Female applicants	57	36	8	36	14
	Male applicants	103	64	14	64	14
	<b>Overall</b>	<b>160</b>		<b>22</b>		<b>14</b>
2013	Female applicants	59	31	5	22	8
	Male applicants	133	69	18	78	14
	<b>Overall</b>	<b>192</b>		<b>23</b>		<b>12</b>
2014	Female applicants	64	32	7	26	11
	Male applicants	138	68	20	74	14
	<b>Overall</b>	<b>202</b>		<b>27</b>		<b>13</b>
2015	Female applicants	64	37	8	35	13
	Male applicants	110	63	15	85	14
	<b>Overall</b>	<b>174</b>		<b>23</b>		<b>13</b>
2016	Female applicants	65	30	9	36	14
	Male applicants	149	70	16	64	11
	<b>Overall</b>	<b>214</b>		<b>25</b>		<b>12</b>
2010–2016	Female applicants	405	33	48	29	12
	Male applicants	838	67	115	71	14
	<b>Overall</b>	<b>1243</b>		<b>163</b>		<b>13</b>

## Participation of women in EMBO activities: Statistics

### EMBO Installation Grants

		Applications	%	Awards	%	Success rate %
2010	Female applicants	11	32	3	43	27
	Male applicants	23	68	4	57	17
	<b>Overall</b>	<b>34</b>		<b>7</b>		<b>21</b>
2011	Female applicants	8	30	3	43	38
	Male applicants	19	70	4	57	21
	<b>Overall</b>	<b>27</b>		<b>7</b>		<b>26</b>
2012	Female applicants	11	28	1	10	9
	Male applicants	29	73	9	90	31
	<b>Overall</b>	<b>40</b>		<b>10</b>		<b>25</b>
2013	Female applicants	20	31	2	33	10
	Male applicants	45	69	4	67	9
	<b>Overall</b>	<b>65</b>		<b>6</b>		<b>9</b>
2014	Female applicants	27	39	2	25	7
	Male applicants	42	61	6	75	14
	<b>Overall</b>	<b>69</b>		<b>8</b>		<b>12</b>
2015	Female applicants	27	31	3	33	11
	Male applicants	59	69	6	67	10
	<b>Overall</b>	<b>86</b>		<b>9</b>		<b>10</b>
2016	Female applicants	19	28	1	14	5
	Male applicants	50	72	6	86	12
	<b>Overall</b>	<b>69</b>		<b>7</b>		<b>10</b>
2010–2016	Female applicants	123	32	15	28	12
	Male applicants	267	68	39	72	15
	<b>Overall</b>	<b>390</b>		<b>54</b>		<b>14</b>

# EMBO Gold Medal

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

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

The EMBO Gold Medal is awarded annually to young scientists for outstanding contributions to the life sciences in Europe.

## EMBO Gold Medalists 1986–2016

1986	John Tooze	Heidelberg, DE
1987	Barbara Pearse	Cambridge, UK
1988	Antonio Lanzavecchia	Basel, CH
1989	Hugh Pelham	Cambridge, UK
1990	Erwin Wagner	Vienna, AT
1991	Patrick Stragier	Paris, FR
1992	Carl-Henrik Heldin	Uppsala, SE
1993	Jim Smith	London, UK
1994	Paolo Sassone-Corsi	Strasbourg, FR
1995	Richard Treisman	London, UK
1996	Enrico Coen	Norwich, UK
1997	Dirk Görlich	Heidelberg, DE

1998	Adriano Aguzzi	Zurich, CH
1999	Konrad Basler	Zurich, CH
2000	Christof Niehrs	Heidelberg, DE
	Daniel St. Johnston	Cambridge, UK
2001	Matthew Freeman	Cambridge, UK
2002	Amanda Fisher	London, UK
2003	Anthony Hyman	Dresden, DE
2004	María Blasco	Madrid, ES
2005	Dario Alessi	Dundee, UK
2006	Frank Uhlmann	London, UK
2007	Jan Löwe	Cambridge, UK
2008	James Briscoe	London, UK

2009	Gold Medal 2009 revoked in January 2016	
2010	Jason W. Chin	London, UK
2011	Simon Boulton	London, UK
2012	Jiří Friml	Ghent, BE
2013	Thijn Brummelkamp	Amsterdam, NL
2014	Sophie Martin	Lausanne, CH
2015	Ido Amit	Rehovot, IL
	Sarah Teichmann	Cambridge, UK
2016	Richard Benton	Lausanne, CH
	Ben Lehner	Barcelona, ES



# EMBO Keynote Lectures

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

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

Every year, EMBO Members are funded to present keynote lectures at international scientific meetings. Keynote lectures raise awareness of EMBO activities, support members in their collaborations with scientists from associated fields and promote European science worldwide.

**Anne-Marie Glynn and  
Gerlind Wallon**  
Programme Manager

## EMBO Keynote Lectures 2016

	Name	Lecture Title	Location	Date
Keynote Lectures EMBC Member States	Christopher M. Dobson	60th Annual Meeting of the Society of Thrombosis and Haemostasis Research	DE-Muenster	17 – 20 February
	Hans Wolf-Watz	Bacterial Type III Secretion Systems	DE-Tübingen	3 – 5 April
	Josef Jiricny	10th Quinquennial Conference on Responses to DNA damage: From Molecule to Disease	NL-Egmond aan Zee	17 – 22 April
	Luke O'Neill	International Conference on Molecular Mechanisms of Inflammation	NO-Trondheim	30 May – 3 June
	Daniel Peeper	Cellular Senescence: From Molecular Mechanisms to Therapeutic Opportunities	IL-Rehovot	3 – 6 July
	Jörg Vogel	FASEB Summer Research Conference on Post-transcriptional Control of Gene Expression: Mechanisms of RNA decay	PT-Lisbon	10 – 15 July
	Elena Conti	Machines on Genes IV - Mechanisms of Actions of Large Macromolecular Machines on Genes Across Biological Scales	UK-Cheshire	31 July – 4 August
	Isabelle Mansuy	EMBO-FEBS Lecture Course on Chromatin and the Environment - Spetses Summer School	GR-Spetses Island	8 – 14 August
	Maria Antonietta De Matteis	FEBS Advanced Course on Lipid-protein Interactions and Organelle Function	GR-Spetses Island	1 – 8 September
	Jacques Pouyssegur	41st FEBS Congress 'Molecular and Systems Biology for a Better Life'	TR-Aydin	3 – 8 September
	Margaret S. Robinson	2nd International Meeting 'Building the Cell'	FR-Paris	28 – 30 September
	Fiona M. Watt	EACR Conference Series - Goodbye Flat Biology : Models, Mechanisms and Microenvironment	DE-Berlin	2 – 5 October

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<b>Keynote Lectures</b> EMBC Member States (continued)	<b>Anne C. Ferguson-Smith</b>	Genomic Imprinting, Epigenetics and Physiological Functions	IT-Erice	2 – 7 October
	<b>Eileen Furlong</b>	2nd Danube Scientific Conference on Epigenetics	HU-Budapest	5 – 8 October
	<b>Jonathan Flint</b>	iMed Conference® 8.0 Lisbon 2016	PT-Lisbon	13 – 16 October
	<b>Joel L. Sussman</b>	XVth International Symposium on Cholinergic Mechanisms (XVth ISCM)	FR-Marseille	16 – 20 October
	<b>Jürgen Knoblich</b>	World Congress of Psychiatric Genetics 2016: Bridging the Gap Between Genes, Brain Function and Psychiatry	IL-Jerusalem	30 October – 4 November
	<b>Stefano Piccolo</b>	CNIC Conference on 'Mechanical forces in physiology and disease'	ES-Madrid	4 – 5 November
	<b>Susan M. Gasser</b>	Transcription-Replication Crosstalk and Genome Instability	FR-Roscoff	14 – 18 November
	<b>Luis Serrano</b>	18th EMBL PhD Symposium Life by Numb3rs – Towards Quantitative Biology	DE-Heidelberg	17 – 19 November
<b>Keynote Lectures</b> Associate EMBC Member State	<b>Ian T. Baldwin</b>	How Being an Auto Mechanic Made Me a Better Scientist	IN-Manesar Gurgaon	27 February – 2 March
<b>Keynote Lectures</b> EMBC Cooperation Partner	<b>Leif Andersson</b>	Avian Model Systems 9: A New Integrative Platform	TW-Taipei	28 – 31 March
<b>Keynote Lectures</b> Non-EMBC Member States	<b>Dirk Görlich</b>	41st Lorne Protein Conference on Protein Structure and Function	AU-Lorne	7 – 11 February
	<b>Detlef Weigel</b>	2016 Lorne Genome Conference	AU-Lorne	14 – 16 February
	<b>Magdalena Götz</b>	Neurogenesis: Implications for Lifelong Development and Disease	MX-Cancún	2 – 5 March
	<b>Thomas F. Meyer</b>	FEBS Advanced Lecture Course: Current Advances in Pathogen Research	AM-Yerevan	21 – 26 March
	<b>Magdalena Zernicka-Goetz</b>	The 16th Hunter Cell Meeting Incorporating the 9th National Imaging Workshop	AU-Lovedale	12 – 15 April
	<b>Ben J.G. Scheres</b>	The Auxin2016 Conference	CN-Sanya Haitang Bay	20 – 25 October

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Keynote Lectures	Gabriel Waksman	The First Zing Conference on Protein Secretion in Bacteria	US-Tampa	9 – 12 November
Non-EMBC Member States (continued)	Søren Brunak	International Society for Computational Biology Latin America Conference (ISCB-LA)	AR-Buenos Aires	21 – 23 November

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