

excellence in life sciences



EMBO 2015
facts & figures

HIGHLIGHTS 2015



the 6th
EMBO
meeting
advancing the life sciences
2015
Birmingham
United Kingdom

5–8 September



EMBO Long-Term Fellowships	Five Advanced Fellows are selected (page 52). 246 Long-Term and 284 Short-Term Fellowships are awarded. The Fellows' Meeting is held in Heidelberg in June 2015.
New EMBO Members & Young Investigators	EMBO elects 58 new members (page 20), selects 23 Young Investigators (page 80) and eight Installation Grantees (page 86).
EMBO Science Policy	Issues report on quotas in academia to assure gender balance. Conducts workshops on emerging biotechnologies and on cognitive genomics. Gives invited talks at US National Academy of Sciences, International Summit on Human Genome Editing, Washington, DC.; World Congress on Research Integrity, Rio de Janeiro; International Scientific Advisory Board for the Centre for Mammalian Synthetic Biology, Edinburgh.
EMBO Gold Medal	Sarah Teichmann and Ido Amit receive the 2015 EMBO Gold Medal (page 99).
EMBO Global Activities	India and Singapore sign agreements to become EMBC Associate Member States.
EMBO Courses & Workshops	More than 11,000 participants from 103 countries attend 94 scientific events (page 87); 342 participants attend 22 EMBO Laboratory Management Courses (page 92); first online course recorded in collaboration with iBiology.
FEBS EMBO Women in Science Award	Plant biologist Caroline Dean receives the 2015 FEBS EMBO Women in Science Award.
The EMBO Meeting 2015	Sixth EMBO life science conference in Birmingham, United Kingdom, provides an annual European forum for scientific exchange.
EMBO Press	<p>In an increasingly competitive publication landscape, the four EMBO scientific publications – <i>The EMBO Journal</i>, <i>EMBO Reports</i>, <i>Molecular Systems Biology</i> and <i>EMBO Molecular Medicine</i> – delivered stable publication rates and stable bibliometric indicators.</p> <p>SourceData project: As proof-of-principle, a set of more than 10,000 experiments, published in 23 journals, has been successfully processed into the SourceData standard, demonstrating that the information routinely provided by scientists for publication is sufficient.</p>

EMBO

facts & figures 2015

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. 84 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 27 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.



EMBC



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Maria Leptin

EMBO Director

preface

I am pleased to present this report on the activities and achievements of EMBO and its community in 2015. In its 51st year, EMBO continued to promote excellence in the life sciences in Europe and beyond through fostering talented researchers during critical career steps, promoting scientific exchange and, increasingly, through contributing to research and debate on science policy issues.

The community of EMBO Members remained at the heart of our organization. In 2015, 58 scientists were newly elected to the EMBO Membership and Associate Membership that comprises about 1,700 scientists. It was a particular pleasure to see EMBO Members being awarded the most prestigious prizes, including the Nobel Prize in Chemistry to Tomas Lindahl, and Breakthrough Prizes for Emmanuelle Charpentier and Svante Pääbo. Many Members also served on the various committees and boards that enable the EMBO Programmes to do their work. As in previous years, EMBO hosted a Members' meeting, a platform to welcome the newly elected Members with networking opportunities and scientific presentations. The year also saw EMBO honour Sarah Teichmann and Ido Amit with the EMBO Gold Medal 2015 and, together with FEBS, Caroline Dean with the 2015 EMBO | FEBS Women in Science Award.

The number of Long- and Short-Term Fellowships could be kept at a level comparable to the previous year with 252 Long-Term and 288 Short-Term Fellowships awarded. The annual

EMBO Fellows' Meeting took place in Heidelberg in June 2015 and was attended by 85 fellows.

23 young scientists were selected as EMBO Young Investigators in 2015, joining a community that represents some of the best young group leaders in the European life sciences. With the same ratio as in the previous year for overall applications vs. successful applications (13 percent), the Programme focused on scientific excellence as the central selection criterion. The Young Investigator Meeting has become an established meeting for this young community. Six sectoral meetings, together with a Young Investigators' PhD course and 39 lectures approved for funding and held by EMBO Young Investigators complemented this Programme.

Eight Strategic Development Installation Grants were awarded in 2015. These grants have proved to be effective at supporting researchers setting up their groups in countries looking to improve their research capacity. The Installation Grantees are integrated into the EMBO Young Investigator Programme and have access to its networking activities. The 2015 grants support these researchers in relocating and setting up their laboratories in the Czech Republic, in Poland and in Turkey.

EMBO continued to fund a large number of scientific training events in Europe. In 2015, 94 EMBO Courses & Workshops were held in 24 countries, attracting more than 11,000 international participants. There were 22 EMBO Laboratory Management Courses, all of which were oversubscribed. Due to the demand for these hands-on courses and the excellent feedback received, we are working to increase their number.

With its Global Activities, EMBO increased the global impact of its core programmes. EMBO Global Activities helped to establish and develop bi-directional collaboration between researchers in the EMBO Member States and partner countries.

To facilitate this, long-term, collaborative agreements have been negotiated with India, Singapore, South Africa and the Taiwanese Ministry of Science and Technology. We consider these activities to be a strategic area for EMBO and will continue to work on expanding EMBO's reach.

Science policy activities have grown in 2015, and the EMBO Science Policy Programme will be further developed in the future. A report on quotas and gender balance in academia was published and workshops on emerging biotechnologies and on cognitive genomics were conducted. A symposium session on policy and ethics in publishing at the World Congress on Research Integrity was organized and the Epigeum online training course in research ethics has been made available to researchers. In 2015, the EMBO Manager in charge of the programme gave invited talks at the US National Academy of Sciences' International Summit on Human Genome Editing, Washington, DC, at the World Congress on Research Integrity, Rio de Janeiro, and at the International Scientific Advisory Board for the Centre for Mammalian Synthetic Biology, Edinburgh. Together with EMBO Managers, I met with ERC President Jean-Pierre Bourguignon in October 2015.

Finally, I would like to report on progress with our SourceData project which is being developed with financial support from the Robert Bosch Foundation. SourceData is designed as a novel, open platform for researchers and publishers who wish to make their publications discoverable based on their data content. SourceData online tools will allow scientists to find specific data, share or connect their published figures and to test existing hypotheses or generate new ones. By the end of 2015, a set of more than 10,000 experiments published in 23 journals had been processed into the SourceData standard. SourceData is currently being integrated into the live editorial pipeline of the EMBO Press journals to demonstrate that the

SourceData annotation process is scalable. The community will soon be invited to take part in testing the curation tool and search interface.

2015 was the first year of the Indicative Scheme for 2015 – 2019. I would like to thank all EMBC Member states and their delegates for their continued commitment. EMBO is committed to life science research, and it will continue to welcome the engagement of its Members and communities. I also thank all of our Members who actively contributed and thus helped to shape our shared visions for life science research.

Sincerely

A handwritten signature in black ink, appearing to read 'M. Leptin', followed by a long horizontal line.

EMBO actions 2015

The EMBO Council met in April 2015. Major decisions are listed below along with other important EMBO actions not described elsewhere in this report.

→ EMBO OFFICERS & COUNCIL 2015

Paul Nurse

EMBO SECRETARY GENERAL

Detlef Weigel

CHAIR, EMBO COUNCIL

Geneviève Almouzni

VICE CHAIR, EMBO COUNCIL

Pascale Cossart

Victor de Lorenzo

Caroline Dean

Denis Duboule

Anne Ephrussi

Carl-Henrik Heldin

Leszek Kaczmarek

Regine Kahmann

Jürgen Knoblich

Mart Saarma

Paul Schulze-Lefert

Karen Vousden

Dimitris Thanos

MEMBERS OF EMBO COUNCIL

→ See page 18 for a detailed list of the 2015 EMBO Council

Council and membership elections

■ *Carl-Henrik Heldin* was elected Chair of EMBO Council for 2016, *Geneviève Almouzni* was re-elected Vice Chair of EMBO Council for 2016.

■ *Anne Ephrussi* and *Paul Schulze-Lefert* were re-elected to Council by the membership for the period 2016 – 2018. *Karen B. Avraham* (IL), *László Nagy* (HU) and *Titia Sixma* (NL) were newly elected for the same period.

Financial matters

■ The EMBO Council approved the accounts for 2014 and the budget for the EMBO activities for 2016. This funding comes from the EMBC and is supplemented by 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

■ In 2015 EMBO Council selected two scientists as the winners of the 2015 Gold Medal: *Sarah Teichmann* and *Ido Amit*. The award acknowledged *Sarah Teichmann's* development of computational and experimental methods to better understand genomes, proteomes and evolution and *Ido Amit's* efforts in elucidating the regulatory networks of genes and chromatin that control the formation of cellular blood components (hematopoiesis) and the immune response (see page 99).

■ EMBO and the Federation of European Biochemical Societies (FEBS) selected plant biologist *Caroline Dean* of the John Innes Centre, Norwich, United Kingdom,

EMBO actions 2015

Other EMBO activities *(continued)*

as the winner of the *2015 FEBS / EMBO Women in Science Award*. Professor Dean received the award for her outstanding contributions to plant biology, in particular for her work to understand how changes in temperature affect the molecular events that control the timing and duration of flowering in higher plants.

- EMBO Member *Tomas Lindahl*, of the Francis Crick Institute, Hertfordshire, United Kingdom, was awarded the Nobel Prize in Chemistry jointly with American chemist *Paul L. Modrich* and Turkish chemist *Aziz Sancar* for mechanistic studies of DNA repair.

Meetings and training

- *The EMBO Meeting 2015* was held in Birmingham, United Kingdom from 5–8 September.
- New EMBO Members elected in 2014 and 2015 were welcomed to the organization during the *EMBO Members' Workshop* held from 28–30 October 2015 in Heidelberg.
- The *16th EMBO / EMBL Science and Society Conference* took place on 5–6 November 2015 at the EMBL Advanced Training Centre in Heidelberg on *Emerging Biotechnologies: Hype, Hope and Hard Reality*.
- EMBO and EMBL held nine joint *EMBO / EMBL Symposia* in the EMBL Advanced Training Centre in 2015.
- EMBO continues 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 Science Foundation (ESF), 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 22 *Laboratory Management Courses*.

→ EMBO COMMITTEE CHAIRS 2015

Jane Langdale

EMBO Membership Committee

Sarah Bray

EMBO Fellowship Committee

Frank Uhlmann

EMBO Course Committee

Gisou van der Goot

EMBO Young Investigator Committee

Reinhard Jahn

EMBO Publications Advisory Board

→ See page 19 for a complete list of the 2015 committee members.

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EMBC actions 2015

→ EMBC OFFICERS 2015

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PRESIDENT

Fabio Iannaccone ITALY

Charalambos Savakis GREECE
VICE-PRESIDENTS

Patrick Cramer GERMANY
SECRETARY GENERAL

Kalervo Hiltunen FINLAND
FINANCE COMMITTEE CHAIR

Hemma Bauer AUSTRIA
FINANCE COMMITTEE VICE CHAIR

→ STRATEGIC WORKING PARTY 2015

Ahmet Ademoğlu TURKEY

Lucia Banci ITALY

Hemma Bauer AUSTRIA

Patrick Cramer GERMANY

Josiane Entringer LUXEMBOURG

Charalambos Savakis GREECE

Jean-Michel Heard FRANCE

Kalervo Hiltunen FINLAND

Fabio Iannaccone ITALY

Mark Palmer UNITED KINGDOM

Jeannette Ridder-Numan
NETHERLANDS

Boris Turk SLOVENIA

Gerrit Van Meer NETHERLANDS CHAIR

Volker Wiesenthal GERMANY

→ See pages 12 – 16 for a list of
all EMBC Delegates

The EMBC Delegates met in formal session in November 2015. The EMBC Finance Committee met in June 2015 and the EMBC Strategic Working Party met in November 2015; the decisions and actions resulting from these meetings are listed below.

Financial matters

- EMBC noted the reports of the external auditors and accepted the accounts for 2014.
- EMBC approved the budget for 2016.
- EMBC reappointed the Netherlands' Central Government Audit Service as External Auditors for EMBC and EMBO for the financial years 2016, 2017 and 2018.

EMBC decisions and actions

- In May 2015 Singapore signed an agreement with EMBO/EMBC under which Singapore gained EMBC Associate Member State status.
- In November 2015 India signed an agreement with EMBO/EMBC under which India gained EMBC Associate Member State status.
- EMBC accepted Lithuania's application for EMBC Membership. Following Lithuania's accession to the EMBC Agreement, Lithuania will become the 29th EMBC Member State.
- EMBC selected Austria, Belgium, Croatia, Denmark, Poland, Portugal, and the Netherlands as non-permanent members of the Finance Committee for the years 2016 – 2019.

EMBC actions 2015

Election of officers for 2016

- *Gerrit van Meer* (NL) was re-elected President of EMBC for 2016. *Eiríkur Steingrímsson* (IS) and *Charalambos Savakis* (GR) were elected for a first and second term, respectively, Vice Presidents for 2016.
- *Patrick Cramer* (DE) was re-elected Secretary General of EMBC for 2016.
- *Troels Tvedegaard Rasmussen* (DK) and *Lovorka Barač Lauc* (HR) were elected new Chair and new Vice Chair, respectively, of the EMBC Finance Committee.

→ EMBC MEMBER STATES

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

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

→ 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 17.

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EMBC Delegates & Advisers

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.

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Slovenia	0.24
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The EMBO Council is the governing body of EMBO, responsible for ensuring the development of the organization. It consists of 15 members, who serve for a period of three years and who may be re-elected for one additional term of office.

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Name	Institute	Research interest
Amparo Acker-Palmer	Goethe University Frankfurt, Germany and MPI für Hirnforschung Frankfurt, Germany	Cell interactions at the neurovascular interface
Detlev Arendt	EMBL Heidelberg, Germany and Centre for Organismal Studies Heidelberg, Germany	Evolution of the nervous system
Jean-Louis Bessereau	Université Claude Bernard Lyon 1 Villeurbanne, France	Biology of the synapse in <i>C. elegans</i>
Monica Bettencourt-Dias	Instituto Gulbenkian de Ciência Oeiras, Portugal	Centrosome & cilia biogenesis and function
Ralph Bock	MPI für molekulare Pflanzenphysiologie Potsdam-Golm, Germany	Organelle biology and biotechnology in plants
Magdalena Boguta	Institute of Biochemistry and Biophysics PAS, Poland and University of Technology Warsaw, Poland	Control of tRNA biosynthesis in yeast
John Briggs	EMBL Heidelberg, Germany	Cryo-electron tomography of viruses and vesicles
Simon Bullock	MRC Laboratory of Molecular Biology Cambridge, United Kingdom	mRNA localisation and cytoskeletal transport
Dirk Bumann	Biozentrum University of Basel, Switzerland	Pathogen subpopulations in disease and control
Carlos Caldas	Cancer Research UK Cambridge Institute Cambridge, United Kingdom	Breast cancer functional genomics
Laurent Duret	Université de Lyon Lyon, France	Evolutionary Genomics and Bioinformatics
Sandrine Etienne-Manneville	Institut Pasteur Paris, France	Cell polarization and migration
Ehud Gazit	Tel Aviv University, Israel	Molecular self-assembly of proteins and peptides
Vassilis G. Gorgoulis	University Athens, Greece and University of Manchester, United Kingdom	Cell cycle and genome stability control
Joost Gribnau	Erasmus University MC Rotterdam, Netherlands	Activation of X chromosome inactivation
John Hardy	University College London, United Kingdom	Genetics of the dementias
Thomas Helleday	Karolinska Institutet Stockholm, Sweden	DNA damage and repair in cancer
Emilio Hirsch	Università Torino, Italy	Functional analysis of PI3K signaling
Kairbaan Hodivala-Dilke	Queen Mary University of London, United Kingdom	Understand the roles of tumour blood vessels

Name	Institute	Research interest
Philipp Holliger	MRC Laboratory of Molecular Biology Cambridge, United Kingdom	Synthetic genetics
Casper Hoogenraad	Utrecht University, Netherlands	Molecular mechanisms of neuronal development
Veit Hornung	Ludwig-Maximilians-Universität München, Germany	Nonsel self recognition by the innate immune system
Johanna Ivaska	Centre for Biotechnology Turku, Finland	Integrin traffic and activity in cancer
Sophien Kamoun	The Sainsbury Laboratory Norwich, United Kingdom	Plant-pathogen interactions
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Javier Martinez	Austrian Academy of Sciences Vienna, Austria	Biology and pathology of mammalian tRNA splicing
Jean-Claude Martinou	University of Geneva, Switzerland	Activity of the mitochondrial pyruvate carrier
Rebecca Matsas	Hellenic Pasteur Institute Athens, Greece	Stem cells for modeling and treating CNS pathology
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Georg Nagel	University Würzburg, Germany	Photoreceptors for optogenetic applications
Magnus Nordborg	Gregor Mendel Institute of Molecular Plant Biology Vienna, Austria	The genetic basis of adaptation
Duncan T. Odom	Cancer Research UK Cambridge Institute Cambridge, United Kingdom	Transcriptional regulatory evolution in mammals
Sharon Peacock	University of Cambridge, United Kingdom	Applying genome sequencing to bacterial pathogens
Lucas Pelkmans	University of Zurich, Switzerland	Quantitative mammalian single-cell biology
Luca Pellegrini	University of Cambridge, United Kingdom	Molecular mechanisms of DNA replication and repair
Graça Raposo-Benedetti	Institut Curie Paris, France	Cellular mechanisms of skin pigmentation
Eran Segal	Weizmann Institute of Science Rehovot, Israel	Nutrition and gut microbes in human individuals
Ralf Sommer	MPI für Entwicklungsbiologie Tübingen, Germany	Integrative Evolutionary Biology in nematodes
Alexander Stark	IMP Vienna, Austria	Understanding gene regulatory DNA sequences.
Amos Tanay	Weizmann Institute of Science Rehovot, Israel	Epigenetics and genome regulation
Simon Tavaré	Cancer Research UK Cambridge Institute Cambridge, United Kingdom	Statistics and computational biology in cancer
Nicolas Thomä	Friedrich Miescher Institute Basel, Switzerland	Structure and function of macromolecular machines
Maria Elena Torres Padilla	Institute of Genetics and Molecular and Cellular Biology (IGBMC) Illkirch, France	Epigenetics and cell fate in mammalian development

Name	Institute	Research interest
Henrique Veiga-Fernandes	University Lisbon, Portugal	Environmental sensing by immune cells
Danièle Werck-Reichhart	CNRS IBMP University of Strasbourg, France and Université Strasbourg, France	Plant cytochromes P450
Anne E. Willis	MRC Toxicology Unit Leicester, United Kingdom	Post-transcriptional control of gene expression
Mihaela Zavolan	Biozentrum University of Basel, Switzerland	Regulation of gene expression
Chiara Zurzolo	Institut Pasteur Paris, France	GPI-protein sorting and prion-like spreading

EMBO Associate Members 2015

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Scientists who have made outstanding contributions to the life sciences, and reside in countries other than the member states, are nominated and elected annually by the membership. 132 of the world's leading life scientists are EMBO Associate Members.

Name	Institute	Research interest
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Lewis C. Cantley	Weill Cornell Medical College New York, United States	Cancer metabolism and phosphoinositide signaling
Xuetao Cao	Chinese Academy of Sciences Beijing, China and National Key Laboratory of Medical Immunology Shanghai, China	Innate signaling and inflammation; immunotherapy
Sean B. Carroll	University of Wisconsin Madison, United States and Howard Hughes Medical Institute Chevy Chase, United States	The development and evolution of animal form
Edward F. DeLong	University of Hawaii Honolulu, United States and Massachusetts Institute of Technology (MIT) Cambridge (MA), United States	Marine microbiology and metagenomics
Takashi Gojobori	King Abdullah University of Science & Technology Thuwal, Saudi Arabia and National Institute of Genetics (NIG) Mishima, Japan	Comparative and evolutionary genomics of organisms
Paul Rainey	Massey University Auckland, New Zealand and MPI für Evolutionsbiologie Plön, Germany	Ecological and evolutionary genetics
Feng Shao	National Institute of Biological Sciences (NIBS) Beijing, China	Bacterial virulence & anti-bacterial innate immunity

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David del Alamo
Programme Manager

EMBO Long-Term Fellowships →→

EMBO Long-Term Fellowships: Statistics

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Year	Applications	Awards	Success rate %
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
1993	739	199	27

Year	Applications	Awards	Success rate %
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

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Applications and awards 2011 – 2015

Country from	Applications	% of total	Awards	% of total	Success rate %
Austria	105	1	25	2	24
Belgium	146	2	23	2	16
Croatia	48	1	5	<1	10
Czech Republic	73	1	7	1	10
Denmark	46	1	8	1	17
Estonia	28	<1	2	<1	7
Finland	80	1	7	1	9
France	938	12	122	10	13
Germany	830	10	204	17	25
Greece	106	1	22	2	21
Hungary	77	1	4	<1	5
Iceland	4	<1	2	<1	50
Ireland	55	1	4	<1	7
Israel	447	6	91	8	20
Italy	587	7	92	8	16
Luxembourg	4	<1	2	<1	50
Netherlands	294	4	50	4	17
Norway	10	<1	2	<1	20
Poland	188	2	31	3	16
Portugal	266	3	38	3	14
Slovak Republic	42	<1	3	<1	7
Slovenia	20	<1	0	0	0
Spain	1083	13	90	8	8
Sweden	161	2	14	1	9
Switzerland	93	1	18	2	19
Turkey	75	1	13	1	17
United Kingdom	246	3	47	4	19
Eastern Europe	180	2	29	2	16
USA/Canada	375	5	93	8	25
Others	1423	18	151	13	11
Total	8030	100	1199	100	15

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Name	Nationality	Home laboratory	Group leader	Host laboratory	Project
Mikl, Martin	Austrian	IMP Vienna, Austria	Eran Segal	Weizmann Institute of Science Rehovot, Israel	Dissecting the complexity and cell-to-cell variability of alternative splicing regulation using a systematically designed library of 50.000 splice site sequences
Gloggnitzer, Jiradet	Austrian	Gregor Mendel Institute of Molecular Plant Biology Vienna, Austria	Joao Matos	ETH Zurich, Switzerland	Controlled chromosomal breakage as a safeguard of genome stability
Plaschka, Clemens	Austrian	MPI für biophysikalische Chemie Göttingen, Germany	Kiyoshi Nagai	MRC Laboratory of Molecular Biology Cambridge, United Kingdom	Cryo-EM of the spliceosome
Arnoldini, Markus	Austrian	ETH Zurich Dübendorf, Switzerland	Terence Hwa	University of California San Diego La Jolla, United States	Towards a predictive understanding of bacterial ecology in the gut
Breuss, Martin	Austrian	IMP Vienna, Austria	Joseph Gleeson	Rockefeller University New York, United States	The genetic, cellular and molecular basis of pontine tegmental cap dysplasia (PTCD)
Beets, Isabel	Belgian	Katholieke Universiteit Leuven, Belgium	Mario de Bono	MRC Laboratory of Molecular Biology Cambridge, United Kingdom	Genetic dissection of a tonically active neural circuit
Barbier, Thibault	Belgian	University Namur, Belgium	Sarah Fortune	Harvard School of Public Health Boston, United States	Functional characterization of small-RNAs in Mycobacterium tuberculosis
Chávez García, Edison Marcelo	Belgian	Free University of Brussels, Belgium	Maxence Nachury	Stanford University School of Medicine, United States	Dissecting the role of intraflagellar transport in Hedgehog signaling
Jourdain, Alexis Andre	Belgian	University of Geneva, Switzerland	Vamsi Mootha	Broad Institute of MIT and Harvard Cambridge, United States	A systems and synthetic biology approach to mitochondrial DNA segregation
Green, Jack	British	University of Cambridge, United Kingdom	Benjamin Prud'homme	Developmental Biology Institute of Marseilles-Luminy (IBDML) Marseilles, France	Cellular and molecular basis of ovipositor evolution in Drosophila suzukii, an invasive pest species
Sojo, Victor	British	University College London, United Kingdom	Dieter Braun	Ludwig-Maximilians-Universität München, Germany	A hydrothermal reactor to study prebiotic synthesis and the first cellular membranes at the origin of life
Wong, Mei Wai Mie	British	MRC Laboratory of Molecular Biology Cambridge, United Kingdom	Darren Gilmour	EMBL Heidelberg, Germany	Determining the role of cell trafficking architecture in regulating cell state transitions within migrating tissues
Hayes, Scott	British	University of Bristol, United Kingdom	Ronald Pierik	Utrecht University, Netherlands	Investigating the mechanism and functional significance of salt-mediated inhibition of plant shade-avoidance

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Hewitt, Victoria	British	Monash University Melbourne, Australia	Alex Whitworth	MRC Mitochondrial Biology Unit Cambridge, United Kingdom	Directing mitochondrial traffic in neurons
Best, Andrew	British	Newcastle University, United Kingdom	Benjamin Blencowe	University of Toronto, Canada	Systematic identification and characterisation of the direct and indirect regulators of a neural-specific class of 'micro-exons'
Taylor, Martin	British	Francis Crick Institute London, United Kingdom	Karlene Cimprich	Stanford University, United States	Mechanisms of cellular responses to replication stress relevant to the aetiology of hereditary polycystic kidney diseases
Watkinson, Ruth	British	MRC Laboratory of Molecular Biology Cambridge, United Kingdom	Benhur Lee	Icahn School of Medicine at Mount Sinai New York, United States	How do Paramyxovirus matrix proteins exploit ubiquitin and SUMO pathways for matrix trafficking and viral replication?
Wilkinson, Adam	British	University of Cambridge, United Kingdom	Hiromitsu Nakauchi	Stanford University, United States	Exploring valine sensitivity in haematopoietic stem cells
Haberle, Vanja	Croatian	Imperial College London, United Kingdom	Alexander Stark	IMP Vienna, Austria	Assessing sequence-encoded and context- dependent enhancer and core-promoter activities and specificities in human
Popovic, Doris	Croatian	Goethe University Frankfurt, Germany	Lucas Pelkmans	University of Zurich, Switzerland	Investigation of mechanisms that regulate spatial patterning and local translation of mRNAs
Loft, Anne	Danish	University of Southern Denmark Odense, Denmark	Stephan Herzig	Helmholtz Zentrum München Neuherberg, Germany	Epigenomic remodeling in diabetic hyperglycemia through chromatin modifiers and its role in glycemic memory
Mentink, Remco	Dutch	Hubrecht Institute Utrecht, Netherlands	Miltos Tsiantis	MPI für Züchtungsforschung Köln, Germany	A compounded case: local growth repressing effects of the RCO homeobox gene shape leaf development
Middelkoop, Teije	Dutch	Hubrecht Institute Utrecht, Netherlands	Stephan Grill	Technische Universität Dresden, Germany	A biophysical approach to explore an early role of the cytoskeleton in zebrafish left-right patterning
Van Heesch, Sebastiaan	Dutch	Hubrecht Institute Utrecht, Netherlands	Norbert Hubner	Max-Delbrück-Centrum Berlin, Germany	Dissecting the genetic basis of translational regulation in heart failure
Vlijm, Rifka	Dutch	Delft University of Technology Delft, Netherlands	Stefan W. Hell	Deutsches Krebsforschungszentrum (DKFZ) Heidelberg, Germany	Chromosome structure during cell division visualized at super-resolution
Meijer, Dimpna	Dutch	Harvard Medical School Boston, United States	Bert Janssen	Utrecht University, Netherlands	Teneurin interactions in the neuronal synapse
Van Teeseling, Muriel	Dutch	Radboud University Nijmegen, Netherlands	Felipe Cava	Umeå University, Sweden	The curved morphology of Vibrio bacteria: Straightening out molecular mechanisms and function

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Swarts, Daniel Christianus	Dutch	Wageningen University, Netherlands	Martin Jinek	University of Zurich, Switzerland	Repurposing prokaryotic Argonaute proteins for genome editing
Honarmand Ebrahimi, Kourosh	Dutch	Delft University of Technology Delft, Netherlands	Fraser Armstrong	University of Oxford, United Kingdom	How to restrict a wide range of viruses? Learning from radical-SAM enzymes
Sinnige, Tessa	Dutch	Utrecht University, Netherlands	Christopher M. Dobson	University of Cambridge, United Kingdom	Timing of molecular chaperones in protein aggregation
Stapels, Daphne	Dutch	University Medical Centre (UMC) Utrecht, Netherlands	Sophie Helaine	Imperial College London, United Kingdom	Intracellular survival and persistence mechanisms of Salmonella in immune cells
Van Erp, Susan	Dutch	University Medical Centre (UMC) Utrecht, Netherlands	Charles Ffrench-Constant	MRC Centre for Regenerative Medicine Edinburgh, United Kingdom	Improving cell replacement therapy in neurodegenerative diseases by promoting axonal outgrowth
Sahtoe, Danny	Dutch	Netherlands Cancer Institute Amsterdam, Netherlands	David Baker	University of Washington Seattle, United States	Computational design of resistance proteins for infectious diseases in plants
Snijder, Joost	Dutch	Utrecht University, Netherlands	David Veessler	University of Washington Seattle, United States	Understanding Ebolavirus polymerase (L) by way of single particle cryo-electron microscopy reconstruction
Dekkers, Florijn	Dutch	Utrecht University, Netherlands	Jane Visvader	Walter and Eliza Hall Institute Parkville, Australia	A novel approach modeling BRCA1- dependent human breast tumorigenesis
Sitsel, Oleg	Estonian	Aarhus University, Denmark	Simon Newstead	University of Oxford, United Kingdom	Structural and functional studies of organic anion transporters
Puumalainen, Marjo-Riitta	Finnish	University of Zurich, Switzerland	Thomas Helleday	Karolinska Institutet Stockholm, Sweden	Targeting cellular oxidative DNA damage response to battle against highly pathogenic hemorrhagic RNA viruses
Ahlqvist, Kati	Finnish	University of Helsinki, Finland	Sean Morrison	University of Texas Dallas, United States	Deciphering the mitochondrial fingerprint of hematopoietic stem cell aging
Dorard, Coralie	French	Institut Curie Orsay, France	Manuela Baccarini	Max F. Perutz Laboratories University of Vienna, Austria	Regulation of YAP protein stability by chaperone-mediated autophagy in cancer
Raphaël, Maylis	French	Université Lille 1 Sciences et Technologies Villeneuve d'Ascq, France	Cédric Blanpain	Free University of Brussels, Belgium	Deciphering the gene regulatory network regulating epithelial to mesenchymal transition
Duboué-Dijon, Elise	French	IBENS INSERM 1024 – CNRS 8197 Paris, France	Pavel Jungwirth	Institute of Organic Chemistry and Biochemistry AS CR Prague, Czech Republic	In vivo effects of ions and neurotransmitters on insulin self-association in secretory granules: Molecular modeling guides the experiment

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Hafner, Anne-Sophie	French	Interdisciplinary Institute for Neuroscience (IINS) Bordeaux, France	Erin M. Schuman	MPI für Hirnforschung Frankfurt, Germany	Unraveling the composition of newly synthesized AMPA-type glutamate receptor complexes in dendrites
Fabre, Bertrand	French	University of Cambridge, United Kingdom	Aaron Ciechanover	Technion Haifa, Israel	Unravel KPC1 functions and its role in tumor growth inhibition
Garric, Laurence	French	Université Paul Sabatier Toulouse, France	Jeroen Bakkers	Hubrecht Institute Utrecht, Netherlands	Towards a biological cardiac pacemaker: Characterization of the pacemaker cell differentiation network
Diss, Guillaume	French	Université Laval Québec, Canada	Ben Lehner	Centro de Regulación Genómica (CRG) Barcelona, Spain	Massive mutation scanning of protein interaction interfaces for synthetic, structural and evolutionary biology
Gallaud, Emmanuel	French	Université de Rennes 1 Rennes, France	Clemens Cabernard	Biozentrum University of Basel, Switzerland	Mechanisms and function of centrosome asymmetry in the developing fly brain
Poli, Jérôme	French	CNRS Institute of Human Genetics Montpellier, France	Susan Gasser	Friedrich Miescher Institute Basel, Switzerland	Exploring laminopathies in worms: Genomic instability in degenerative disease
Chaïgne, Agathe	French	Collège de France Paris, France	Ewa Paluch	MRC Laboratory for Molecular Cell Biology London, United Kingdom	Mechanical constraints and embryonic stem cell division
Charoy, Camille	French	Université Claude Bernard Lyon 1 Villeurbanne, France	Christiana Ruhrberg	University College London, United Kingdom	Molecular control of boundary cap development and stem cell function
Husson, Zoé Margot	French	Institute of Biology of the ENS Paris, France	Ewan St John Smith	University of Cambridge Cambridge, United Kingdom	Molecular mechanisms of neuronal tolerance to hypoxia in a naturally resistant mammal: The naked mole-rat
Adam, Salomé	French	Université Diderot (Paris 7) Paris, France	Daniel Durocher	Mount Sinai Hospital Toronto, Canada	Elucidating the mechanism of BRCA1-independent homologous recombination
Albrengues, Jean	French	Institute for Research on Cancer and Aging (IRCAN) Nice, France	Mikala Egeblad	Cold Spring Harbor Laboratory, United States	Regulation of breast cancer dormancy by the microenvironment
Becuwe, Michel Henri	French	Institut Jacques Monod Paris, France	Tobias Walther	Harvard School of Public Health Boston, United States	Mechanisms of lipid droplet formation
Grossier, Jean-Philippe	French	Institut Curie Paris, France	Claude Desplan	New York University, United States	Building retinotopy in the Drosophila optic lobes
Guillot, Charlene	French	Developmental Biology Institute of Marseilles-Luminy (IBDML) Marseilles, France	Olivier Pourquié	Harvard Medical School Boston, United States	Role of cell signaling in posterior body axis formation
Jegu, Teddy	French	Institute of Plant Sciences Paris-Saclay Orsay, France	Jeannie Lee	Massachusetts General Hospital Boston, United States	Role of long noncoding RNAs in 3D organization of mammalian chromosomes

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Laffleur, Brice	French	University of Limoges Limoges, France	Uttiya Basu	Columbia University New York, United States	Role of RNA exosome in antigen receptor recombination and translocations
Leran, Sophie	French	National Institute for Agronomical Research (INRA) Montpellier, France	Gloria Coruzzi	New York University, United States	Nutrient signaling in plants: 'Hit and Run' model as a master regulatory mechanism
Redin, Claire	French	Institute of Genetics and Molecular and Cellular Biology (IGBMC) Illkirch, France	Michael Talkowski	Harvard Medical School Boston, United States	Brain somatic mosaicism as a genetic cause of autism and epilepsy
Vaccaro, Alexandra	French	Paris Tech ESPCI Paris, France	Dragana Rogulja	Harvard Medical School Boston, United States	Unraveling mechanisms of sleep deprivation-induced morbidity and mortality using <i>Drosophila melanogaster</i>
Zalc, Antoine	French	Institut de Myologie Paris, France	Joanna Wysocka	Stanford University, United States	How cranial neural crest cells molecular identity is established in absence of Hox genes
Bauer, Benedikt	German	Harvard Medical School Boston, United States	Jan-Michael Peters	IMP Vienna, Austria	Elucidation of the molecular mechanism of cohesin-loading
Schweizer, Nina	German	Instituto de Biologia Molecular e Celular (IBMC) Porto, Portugal	Jens Lüders	Institute for Research in Biomedicine Barcelona, Spain	Dissecting gamma-TuRC composition and activity by single molecule pull-down
Voss, Matthias	German	Ludwig-Maximilians- Universität München, Germany	Yenan Bryceson	Karolinska Institutet Stockholm, Sweden	Genetic dissection of cytotoxic lymphocyte exocytosis
Feller, Christian	German	Adolf-Butenandt-Institut München, Germany	Ruedi Aebersold	ETH Zurich, Switzerland	Quantifying changes in complete chromatin composition maps by new proteomic methods to identify regulators of cellular senescence
Kintscher, Michael	German	Charité – Universitätsmedizin Berlin, Germany	Ralf Schneggenburger	Swiss Federal Institute of Technology Lausanne, Switzerland	Unlearn the memory: Control of fear extinction by inhibitory plasticity
Moser Von Filseck, Joachim	German	University of Nice Sophia Antipolis Nice, France	Aurélien Roux	University of Geneva, Switzerland	How membranes, cargo and ESCRT-III proteins join forces in membrane fission
Munz, Martin	German	McGill University Montreal, Canada	Botond Roska	Friedrich Miescher Institute Basel, Switzerland	The role of transient circuits in cortical development
Seltmann, Kristin	German	Universität Leipzig, Germany	Sabine Werner	ETH Zurich, Switzerland	Effect of humidity on cutaneous inflammation – molecular mechanisms and relevance for the pathogenesis of atopic dermatitis
Wild, Philipp	German	Goethe University Frankfurt, Germany	Joao Matos	ETH Zurich, Switzerland	Regulation of anti-recombinogenic pathways during meiosis

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Balcerowicz, Martin	German	University of Cologne, Germany	Philip Wigge	University of Cambridge, United Kingdom	Deciphering the mechanisms by which light and temperature interdependently control plant development
Buetfering, Christina	German	Deutsches Krebsforschungszentrum (DKFZ) Heidelberg, Germany	Michael Häusser	University College London, United Kingdom	Probing principles of neural coding with all-optical interrogation in behaving mice
Feldmann, Angelika	German	Friedrich Miescher Institute Basel, Switzerland	Robert Klose	University of Oxford, United Kingdom	Understanding how distinct vertebrate promoter classes co-ordinate cis-regulatory input
Füllgrabe, Jens	German	Karolinska Institutet Stockholm, Sweden	David C. Rubinsztein	Institute for Medical Research (CIMR) Cambridge, United Kingdom	Mapping the transcriptional kinetics of autophagy
Gerth, Michael	German	Universität Leipzig, Germany	Greg Hurst	University of Liverpool, United Kingdom	Using host shifts and experimental evolution to define the symbiont/host interface
Hess, Verena	German	Goethe University Frankfurt, Germany	Renee Elizabeth Sckett	University of Nottingham, United Kingdom	Bioenergetics of the predatory lifestyle of <i>Bdellovibrio bacteriovorus</i>
Paul, David	German	Universität Heidelberg, Germany	Harvey T. McMahon	MRC Laboratory of Molecular Biology Cambridge, United Kingdom	Membrane fusion driven by protein insertions
Scheffler, Kathleen	German	Institut Curie Paris, France	Melina Schuh	MRC Laboratory of Molecular Biology Cambridge, United Kingdom	Mechanisms underlying pronuclear migration in mouse zygotes
Stinglele, Julian	German	MPI für Biochemie Martinsried, Germany	Simon Boulton	The Francis Crick Institute London, United Kingdom	The function of the SPRTN protease in DNA-protein crosslink repair and maintenance of genome stability
Unterwiesing, Daniel	German	University of Alberta Edmonton, Canada	Ashleigh Griffin	University of Oxford, United Kingdom	Killing and social behaviour of <i>Pseudomonas aeruginosa</i>
Weber, Isabell Paula	German	Center for Regenerative Therapies Dresden, Germany	Kristian Franze	University of Cambridge, United Kingdom	The impact of mechanical signals on neuronal regeneration in the injured spinal cord
Winz, Marie-Luise	German	Universität Heidelberg, Germany	David Tollervy	Wellcome Trust Centre Edinburgh, United Kingdom	Deciphering the chromatin-associated protein:RNA interactome in yeast
Hein, Marco Yannic	German	MPI für Biochemie Martinsried, Germany	Jonathan Weissman	University of California San Francisco, United States	Systematic mapping of cytomegalovirus function and virus-host interactions through CRISPR-based screening

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Hovestadt, Volker	German	Deutsches Krebsforschungszentrum (DKFZ) Heidelberg, Germany	Bradley Bernstein	Massachusetts General Hospital Boston, United States	In-depth characterization of glioblastoma intra- and inter-tumor heterogeneity using single-cell transcriptome profiling
Jens, Marvin	German	Max-Delbrück-Centrum Berlin, Germany	Christopher Burge	Massachusetts Institute of Technology (MIT) Cambridge (MA), United States	Decoding post-transcriptional regulation with high-throughput protein binding affinity data
Leppek, Kathrin	German	Zentrum für Molekulare Biologie (ZMBH) Heidelberg, Germany	Maria Barna	Stanford University, United States	Mechanistic characterization of 5'UTR RNA elements that confer translational specificity to shape vertebrate embryonic development
Mass, Elvira	German	Universität Bonn, Germany	Frederic Geissmann	Memorial Sloan-Kettering Cancer Center New York, United States	Molecular analysis of tissue-resident macrophage development during embryogenesis
Mayer, Simone	German	MPI für experimentelle Medizin Göttingen, Germany	Arnold Kriegstein	University of California San Francisco, United States	Similarities in the cellular and molecular mechanisms underlying the migration of human neural progenitor cells and brain tumour stem cells
Melzer, Sarah	German	Deutsches Krebsforschungszentrum (DKFZ) Heidelberg, Germany	Bernardo Sabatini	Harvard Medical School Boston, United States	Fear-induced neuromodulation in the insular cortex
Mende, Daniel Richard	German	EMBL Heidelberg, Germany	Edward F. DeLong	University of Hawaii Honolulu, United States	Molecular evolutionary dynamics of marine microbial populations
Nechanitzky, Robert	German	MPI für Immunbiologie und Epigenetik Freiburg, Germany	Tak Mak	University of Toronto, Canada	Elevated levels of ROS shape distinct oxidation-dependent functions of HMGB1 in malignant melanoma
Rodenfels, Jonathan	German	MPI für molekulare Zellbiologie und Genetik Dresden, Germany	Karla Neugebauer	Yale University New Haven, United States	Investigation of RNA-metabolic enzyme interactions during embryonic development of Danio rerio
Steckelberg, Anna-Lena	German	University of Cologne, Germany	Jeffrey Kieft	University of Colorado Denver Aurora, United States	Structural and functional analyses of a pathogenic subgenomic flavivirus RNA
Winstel, Volker	German	Universität Tübingen, Germany	Olaf Schneewind	University of Chicago, United States	Protein secretion across the envelope of Staphylococcus aureus
Bald, Tobias	German	Universität Bonn, Germany	Mark Smyth	The Queensland Institute of Medical Research Brisbane, Australia	The role of adenosine A2B receptor signalling in melanoma pathogenesis and therapy
Zacharogianni, Margarita	Greek	Hubrecht Institute Utrecht, Netherlands	Epaminondas Doxakis	Biomedical Research Foundation Athens, Greece	A systematic approach to identify mTor complex-specific substrates using chemical genetics, genome editing and proteomics

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Zalachoras, Ioannis	Greek	University Medical Centre Leiden, Netherlands	Carmen Sandi	Swiss Federal Institute of Technology Lausanne, Switzerland	The role of CRH signaling in mediating the effects of peripubertal stress on anxiety and depression
Bitsikas, Vassilis	Greek	MRC Laboratory of Molecular Biology Cambridge, United Kingdom	Alexander Schier	Harvard University Cambridge, United States	The function of uncharacterised signalling proteins in zebrafish
Trakala, Marianna	Greek	Centro Nacional de Investigaciones Oncológicas (CNIO) Madrid, Spain	Angelika Amon	David Koch Institute of Integrative Cancer Research at MIT Boston, United States	Relevance of the aneuploid microenvironment in cancer progression and metastasis
Pancsa, Rita	Hungarian	Free University of Brussels, Belgium	M. Madan Babu	MRC Laboratory of Molecular Biology Cambridge, United Kingdom	Increasing functional versatility of proteins by regulated unfolding and exposing disordered regions
Jónsson, Hákon	Icelander	University Copenhagen, Denmark	Richard Durbin	Sanger Institute Cambridge, United Kingdom	Demography inference in a spatial context using genome-wide variation (GENE-SPADE)
Brien, Gerard	Irish	Trinity College Dublin, Ireland	Scott Armstrong	Memorial Sloan-Kettering Cancer Center New York, United States	A combination of proteomic and genomic approaches for the identification of therapeutic targets in synovial sarcoma
Stack, Gabrielle Marian	Irish	Cardiff University, United Kingdom	Jorge E. Galan	Yale University School of Medicine New Haven, United States	The study of typhoid toxin using novel animal models
Aycheh, Tegest	Israeli	Weizmann Institute of Science Rehovot, Israel	Gérard Eberl	Institut Pasteur Paris, France	The roles of ILC2 in the development and regulation of the innate and adaptive immune systems
Davidi, Lital	Israeli	Weizmann Institute of Science Rehovot, Israel	Chris Bowler	Institute of Biology of the ENS Paris, France	Characterization of iron-starvation induced proteins (ISIPs) in iron uptake and metabolism in marine diatoms
Kepten, Eldad	Israeli	Bar-Ilan University Ramat Gan, Israel	Edith Heard	Institut Curie Paris, France	Live cell imaging of X chromosome inactivation
Lefler, Yaara	Israeli	Hebrew University Jerusalem, Israel	Tiago Branco	MRC Laboratory of Molecular Biology Cambridge, United Kingdom	Computation of innate threats and defensive behaviour in the mouse
Obolski, Uri	Israeli	Tel Aviv University, Israel	Sunetra Gupta	University of Oxford, United Kingdom	Interactions between vaccination and antibiotic resistance in <i>Streptococcus</i> <i>pneumoniae</i>
Ast, Tsilil	Israeli	Weizmann Institute of Science Rehovot, Israel	Vamsi Mootha	Broad Institute of MIT and Harvard Cambridge, United States	Dissecting intracellular mitochondrial heterogeneity

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Aviner, Ranen	Israeli	Tel Aviv University, Israel	Judith Frydman	Stanford University, United States	Remodeling of host protein synthesis machinery by dengue virus
Engelhard, Ben	Israeli	Hebrew University Jerusalem, Israel	David Tank	Princeton University, United States	The role of dopaminergic neurons in information processing and learning
Finkelstein, Arseny	Israeli	Weizmann Institute of Science Rehovot, Israel	Karel Svoboda	Janelia Farm Research Campus Ashburn, United States	Investigating the neural basis of sensory-motor learning in cortical networks
Golan, David	Israeli	Tel Aviv University, Israel	Jonathan Pritchard	Stanford University, United States	Understanding disease biology by integrating genome-wide association studies with thousands of functional annotations
Golub, Eyal	Israeli	Hebrew University Jerusalem, Israel	Akif Tezcan	University of California San Diego, United States	Metal-directed assembly of protein-based compartments
Helman, Aharon	Israeli	Hebrew University Jerusalem, Israel	Douglas A. Melton	Harvard University Cambridge, United States	Using biological manipulations to generate immune-tolerant stem cell derived- β cells
Levo, Michal	Israeli	Weizmann Institute of Science Rehovot, Israel	Thomas Gregor	Princeton University, United States	Uncovering regulatory dynamics in living embryos; from enhancer looping to transcription bursting
Rimon, Ben	Israeli	The Hebrew University Jerusalem, Israel	Mark Johnson	Brown University Providence, United States	Characterization of gamete fusion mechanism and identification of elements which blocks multiple pollen tubes from entering an Arabidopsis ovule
Saar Dover, Ron	Israeli	Weizmann Institute of Science Rehovot, Israel	Mark M. Davis	Stanford University School of Medicine, United States	High-dimensional analysis of CD4 T-cell phenotype and antigen specificity from tuberculosis patients
Shpilka, Tomer	Israeli	Weizmann Institute of Science Rehovot, Israel	Cole Haynes	Memorial Sloan-Kettering Cancer Center New York, United States	The role of ATFS-1 during L1 arrest
Krenn, Veronica	Italian	MPI für molekulare Physiologie Dortmund, Germany	Jürgen Knoblich	IMBA Vienna, Austria	The role of spindle orientation in human cortical development
Scaramuzzino, Chiara	Italian	Italian Institute of Technology Genova, Italy	Frédéric Saudou	Grenoble Institut des Neurosciences La Tronche, France	HTT phosphorylation and the neurotrophin retrograde axonal signaling
Lanna, Alessio	Italian	University College London, United Kingdom	Erika Pearce	MPI für Immunbiologie und Epigenetik Freiburg, Germany	Metabolic control of T cell receptor signalling
Patron, Maria	Italian	Università di Padova, Italy	Thomas Langer	University of Cologne, Germany	Mitochondrial Ca^{2+} dysfunctions in the dominant spinocerebellar ataxia (SCA28): a functional link between AFG3L2 and the mitochondrial Ca^{2+} uniporter (MCU) complex

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Stanganello, Eliana	Italian	Institute of Technology Karlsruhe, Germany	Casper Hoogenraad	Utrecht University, Netherlands	Molecular mechanisms of neuronal polarisation and subsequent pathological failures in Alzheimer's disease
Botta, Paolo	Italian	Friedrich Miescher Institute Basel, Switzerland	Rui M. Costa	Champalimaud Centre for the Unknown Lisbon, Portugal	Dissecting specific amygdala-striatal circuits for exploration
Comoglio, Federico	Italian	ETH Zurich, Switzerland	Anthony R Green	University of Cambridge, United Kingdom	JAK/STAT signaling to chromatin via tyrosine- unphosphorylated STAT proteins during normal and malignant hematopoiesis
Deidda, Gabriele	Italian	Italian Institute of Technology Genova, Italy	Vincenzo Crunelli	Cardiff University, United Kingdom	Unravelling the role of thalamic and cortical neuronal population in absence seizures
Dona, Erika	Italian	EMBL Heidelberg, Germany	Gregory Jefferis	MRC Laboratory of Molecular Biology Cambridge, United Kingdom	Developmental genetic basis and behavioral significance of sexually dimorphic circuits
Militti, Cristina	Italian	Centro de Regulación Genómica (CRG) Barcelona, Spain	Jernej Ule	University College London, United Kingdom	Understanding the interplay between Staufen1 and PKR during mitosis using hiCLIP
Catania, Sandra	Italian	Wellcome Trust Centre Edinburgh, United Kingdom	Hiten Madhani	University of California San Francisco, United States	The role and function of Polycomb in Cryptococcus neoformans
Ciceri, Gabriele	Italian	Instituto de Neurociencias San Juan de Alicante, Spain	Lorenz Studer	Memorial Sloan-Kettering Cancer Center New York, United States	Mechanisms controlling the developmental timing of mouse and human neuronal maturation
Comazzetto, Stefano	Italian	EMBL Monterotondo, Italy	Sean Morrison	University of Texas Dallas, United States	A potential novel stem cell growth factor
Di Pilato, Mauro	Italian	Centro Nacional de Biotecnología (CNB) Madrid, Spain	Thorsten Mempel	Massachusetts General Hospital Boston, United States	Intravital microscopy analysis of regulatory and cytotoxic T cell interactions with tumor- associated neutrophils
Di Stefano, Bruno	Italian	Centro de Regulación Genómica (CRG) Barcelona, Spain	Konrad Hochedlinger	Harvard Medical School Boston, United States	Role of alternative polyadenylation in cell fate decisions
Fumasoni, Marco	Italian	Istituto FIRC Milano, Italy	Andrew Murray	Harvard University Cambridge, United States	Analysis of the replisome plasticity and its consequences for genome evolution
Gatto, Graziana	Italian	MPI für Neurobiologie Martinsried, Germany	Martyn Goulding	Salk Institute La Jolla, United States	Dissecting the spinal sensorimotor circuits that generate aversive motor behaviors
Piunti, Andrea	Italian	European Institute of Oncology (IEO) Milano, Italy	Ali Shilatifard	Northwestern University Chicago, United States	Mutant histone H3.3 and polycomb roles in diffuse intrinsic pontine gliomas
Porri, Aimone	Italian	MPI für Züchtungsforschung Köln, Germany	Ryan Lister	University of Western Australia Crawley, Australia	Engineering the plant epigenome

EMBO Long-Term Fellowships awarded in 2015 | EMBC Member States' nationals

Name	Nationality	Home laboratory	Group leader	Host laboratory	Project
Stensola, Hanne	Norwegian	Norwegian University of Science & Technology (NTNU) Trondheim, Norway	Alfonso Renart	Champalimaud Centre for the Unknown Lisbon, Portugal	Integration of prior expectations with sensory evidence in the laminar auditory cortical circuit
Chelmicki, Tomasz	Polish	MPI für Immunbiologie und Epigenetik Freiburg, Germany	Déborah Bourc'h	Institut Curie Paris, France	Identification of cis and trans determinants of transposon regulation
Chrostek, Ewa	Polish	Instituto Gulbenkian de Ciência Oeiras, Portugal	Elena A. Levashina	MPI für Infektionsbiologie Berlin, Germany	Can native Wolbachia be harnessed for vector and malaria control? From phenotype to mechanism in a newly discovered symbiosis
Gerlach, Piotr	Polish	EMBL Grenoble, France	Elena Conti	MPI für Biochemie Martinsried, Germany	Structural and functional studies of the TRAMP/exosome complex. Understanding the mechanisms of its RNA substrates recruitment, polyadenylation and degradation
Sawicka, Anna	Polish	Medical University of Vienna, Austria	Patrick Cramer	MPI für biophysikalische Chemie Göttingen, Germany	The role of class I histone deacetylases (HDACs) HDAC1 and HDAC2 in the modulation of transcriptional kinetics
Marzec, Paulina Janina	Polish	CNRS Institute of Human Genetics Montpellier, France	Simon Boulton	The Francis Crick Institute London, United Kingdom	Characterization of t-loop formation and DNA repair pathway choice at dysfunctional telomeres during cell differentiation
Donczew, Rafał	Polish	Institute of Immunology and Experimental Therapy Wrocław, Poland	Steven Hahn	Fred Hutchinson Cancer Research Center Seattle, United States	Transcription initiation mechanism at TATA-less RNA polymerase II promoters
Sienski, Grzegorz	Polish	IMBA Vienna, Austria	Susan Lindquist	Whitehead Institute Cambridge, United States	Elucidating the role of ApoE4 in dysfunctions underlying Alzheimer's disease
Raspopovic, Jelena	Portuguese	Centro de Regulación Genómica (CRG) Barcelona, Spain	Patrick Müller	Friedrich-Miescher-Laboratorium der Max-Planck-Gesellschaft Tübingen, Germany	Control of cell fate decisions by morphogen cross-talk
Santos, Joana	Portuguese	Instituto de Biologia Molecular e Celular (IBMC) Porto, Portugal	Dirk Jan Slotboom	University of Groningen, Netherlands	The mechanism of vitamin uptake by energy-coupling factor (ECF) transporters: Toppling and sharing
Leitão, Alexandre	Portuguese	Instituto Gulbenkian de Ciência Oeiras, Portugal	Francis Jiggins	University of Cambridge, United Kingdom	The genetic and physiological basis variation in cellular immune responses: Parasitoid resistance in Drosophila melanogaster
Melo, Carlos	Portuguese	Netherlands Cancer Institute Amsterdam, Netherlands	Tony Kouzarides	Wellcome Trust / Cancer Research UK Gurdon Institute Cambridge, United Kingdom	Understanding the role of pcRNAs in cancer

EMBO Long-Term Fellowships awarded in 2015 | EMBC Member States' nationals

Name	Nationality	Home laboratory	Group leader	Host laboratory	Project
De Oliveira, Sofia	Portuguese	University Lisbon, Portugal	Anna Huttenlocher	University of Wisconsin Madison, United States	In vivo study of the interaction between the transcriptional co-activator FHL2 and the actin cytoskeletal protein mAbp1 during invasive cell migration
Matias, Neuza	Portuguese	Institut Curie Paris, France	Margaret T. Fuller	Stanford University, United States	Exploring the role of master switch transcriptional repressors in regulating germline cell fate determination
Lira-Navarrete, Erandi	Spanish	Universidad Zaragoza, Spain	Henrik Clausen	University Copenhagen, Denmark	Probing polypeptide GalNAc-transferases as drug targets
Garcia-Ferrer, Irene	Spanish	Instituto de Biología Molecular de Barcelona (IBMB) Barcelona, Spain	Marco Marcia	EMBL Grenoble, France	In vivo and in vitro structural investigation on the mechanism of X-chromosome inactivation by lncRNA Xist
Almuedo-Castillo, Maria	Spanish	Universitat de Barcelona Barcelona, Spain	Patrick Müller	Friedrich-Miescher-Laboratorium der Max-Planck-Gesellschaft Tübingen, Germany	Interpretation and scaling of Nodal signaling during embryogenesis
Fernandez Ruiz, Antonio	Spanish	Universidad Complutense de Madrid (UCM) Madrid, Spain	Antal Berényi	University Szeged, Hungary	Close-loop optogenetic dissection of the role of hippocampal gamma oscillations in behaving rats
Alvira De Celis, Sara	Spanish	Centro Nacional de Biotecnología (CNB) Madrid, Spain	Ian Collinson	University of Bristol, United Kingdom	Understanding the mechanism of membrane protein insertion
Candel Camacho, Sergio	Spanish	Universidad Murcia, Spain	Lalita Ramakrishnan	MRC Laboratory of Molecular Biology Cambridge, United Kingdom	Elucidating the involvement of neutrophils in the pathogenesis of tuberculosis using a zebrafish model
Casañal, Ana	Spanish	University of Malaga, Spain	Lori Passmore	MRC Laboratory of Molecular Biology Cambridge, United Kingdom	The structure and function of cleavage and polyadenylation factor (CPF)
Hermes, Albert	Spanish	Institut D'Investigacions Biomèdiques August Pi i Sunyer (IDIBAPS) Barcelona, Spain	Philip H. Jones	Sanger Institute Cambridge, United Kingdom	The molecular regulation of human epidermal stem cell fate
Margalef Gonzalez, Pol	Spanish	Hospital del Mar Medical Research Institute (IMIM) Barcelona, Spain	Simon Boulton	The Francis Crick Institute London, United Kingdom	Characterization of RTEL1 mutations in Hoyeraal-Hreidarsson syndrome
Munoz, Sofia	Spanish	Universidad de Salamanca, Spain	Frank Uhlmann	Cancer Research UK London Research Institute London, United Kingdom	The relationship between chromatin remodelling and cohesin loading onto DNA
Perez, Salvador	Spanish	CSIC Institut de Biología Molecular Barcelona, Spain	Tristan Rodriguez	Imperial College London, United Kingdom	Mechanisms regulating cellular fitness during embryonic development

EMBO Long-Term Fellowships awarded in 2015 | EMBC Member States' nationals

Name	Nationality	Home laboratory	Group leader	Host laboratory	Project
Rayon, Teresa	Spanish	Centro Nacional de Investigaciones Cardiovasculares (CNIC) Madrid, Spain	James Briscoe	MRC National Institute for Medical Research (NIMR) London, United Kingdom	Dissecting the neural fate decision making neuromesodermal precursors
Shahbazi Alonso, Marta	Spanish	Centro Nacional de Investigaciones Oncológicas (CNIO) Madrid, Spain	Magdalena Zernicka-Goetz	University of Cambridge, United Kingdom	Integrative study of architectural and transcriptional patterns during mammalian embryo implantation
Tomas Roca, Laura	Spanish	Radboud University Nijmegen, Netherlands	Seth Grant	University of Edinburgh, United Kingdom	Synaptome and proteome of normal and pathological hindbrain
Vinyoles Vergés, Meritxell	Spanish	Hospital del Mar Medical Research Institute (IMIM) Barcelona, Spain	Alfonso Martinez Arias	University of Cambridge, United Kingdom	Role of E-cadherin and p120-catenin in pluripotency maintenance
Rodriguez-Fraticelli, Alejo	Spanish	Universidad Autonoma Madrid, Spain	Fernando Camargo	Children's Hospital Boston Boston, United States	Clonal dynamics of tumorigenesis using transposon-mediated in vivo barcoding
Sanchez, Mateo	Spanish	Universidade Santiago de Compostela, Spain	Alice Ting	Massachusetts Institute of Technology (MIT) Cambridge (MA), United States	Mapping neural circuits by a light-gated reporter
Soria Valles, Clara	Spanish	University Oviedo, Spain	George Daley	Harvard Medical School Boston, United States	Respecification of T cells from iPS cells for cancer immunotherapy
Vendrell Llopis, Nuria	Spanish	Katholieke Universiteit Leuven, Belgium	Jose Carmena	University of California Berkeley, United States	Long term neuroplasticity during operant learning in a defined neuronal circuit in rodents
Rasmussen, Anders	Swedish	Lund University, Sweden	Chris De Zeeuw	Erasmus University MC Rotterdam, Netherlands	Molecular mechanisms for timing of conditioned responses
Sayin, Volkan	Swedish	University Gothenburg, Sweden	Thales Papagiannakopoulos	New York University (NYU) New York, United States	Defining the therapeutic impact of targeting Nrf2-Keap1 pathway in lung cancer
Kempf, Anissa	Swiss	University of Zurich, Switzerland	Gero Miesenböck	University of Oxford, United Kingdom	Deciphering the molecular architecture of the sleep homeostat in Drosophila
Roest Steiner, Hannes Luc	Swiss	ETH Zurich, Switzerland	Michael Snyder	Stanford University, United States	Personalized longitudinal metabolomic and microbiomic profiling of diabetes progression
Eroglu Andersson, Elif	Turkish	IMBA Vienna, Austria	Kenneth R. Chien	Karolinska Institutet Stockholm, Sweden	A novel cardiac injury model in Pleurodeles waltl to study the molecular mechanisms of cardiac fibrosis reversal
Üstün, Suayib	Turkish	Leibniz-Institut für Gemüse- und Zierpflanzenbau Großbeeren, Germany	Daniel Hofius	Swedish University of Agricultural Sciences Uppsala, Sweden	Connecting autophagy and proteasome during plant immunity

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Name	Nationality	Home laboratory	Group leader	Host laboratory	Project
Avcı, Donem	Turkish	Zentrum für Molekulare Biologie (ZMBH) Heidelberg, Germany	John Christianson	Ludwig Institute for Cancer Research Oxford, United Kingdom	Defining networks, substrates and regulation of ER-resident ubiquitin ligases
Kuzuoglu Ozturk, Duygu	Turkish	MPI für Entwicklungsbiologie Tübingen, Germany	Davide Ruggero	University of California San Francisco, United States	Characterization of a novel translationally regulated mRNA network by the major cap binding protein eIF4E in cancer
Saka, Sinem	Turkish	Universität Göttingen, Germany	Peng Yin	Harvard Medical School Boston, United States	Multiplexed super-resolution visualization of the chromatin organization and epigenetics for specific gene loci

EMBO Long-Term Fellowships awarded in 2015 | Non-EMBC Member States' nationals

Name	Nationality	Home laboratory	Group leader	Host laboratory	Project
Bagley, Joshua	American	University of California San Francisco, United States	Jürgen Knoblich	IMBA Vienna, Austria	The role of human parvalbumin interneuron development in schizophrenia
Bryant, Jessica	American	University of Pennsylvania Philadelphia, United States	Artur Scherf	Institut Pasteur Paris, France	Role of the var intron in regulating monoallelic expression of virulence genes in <i>Plasmodium falciparum</i>
Hanson, Melissa	American	Massachusetts Institute of Technology (MIT) Cambridge (MA), United States	Marc Lecuit	Institut Pasteur Paris, France	Deciphering the cell biology of microbial translocation across the intestinal epithelium via goblet cells
Holoch, Daniel	American	Harvard Medical School Boston, United States	Raphaël Margueron	Institut Curie Paris, France	Toward a comprehensive understanding of the mechanisms that control the genomic targeting of PRC2
Chambers, Anna	American	Harvard Medical School Boston, United States	Simon Rumpel	Johannes-Gutenberg- Universität Mainz, Germany	The effects of synapse dynamics on response modes of the auditory cortex
Echtenkamp, Frank	American	University of Illinois Urbana-Champaign, United States	Johannes Buchner	Technical University of Munich Garching, Germany	Understanding the patterns of Hsp90 client recognition for homologous steroid hormone receptors
Hsu, FoSheng	American	Cornell University Ithaca, United States	Marino Zerial	MPI für molekulare Zellbiologie und Genetik Dresden, Germany	Mapping the intra- and inter- organelle communication network between the endosomal system and cytoplasmic organelles
Karasov, Talía	American	University of Chicago, United States	Detlef Weigel	MPI für Entwicklungsbiologie Tübingen, Germany	Population genomics of a plant pathogen in <i>Arabidopsis thaliana</i> populations
Slattum, Gloria	American	University of Utah Salt Lake City, United States	Jan Huiskens	MPI für molekulare Zellbiologie und Genetik Dresden, Germany	Mechanisms of tumor cell invasion and clot formation in the zebrafish vasculature
Gomez, Andrea	American	Skirball Institute New York, United States	Peter Scheiffele	Biozentrum University of Basel, Switzerland	Functional role of alternative splicing in synaptic specificity
Holmstrom, Erik	American	University of Colorado Boulder, United States	Ben Schuler	University of Zurich, Switzerland	Probing the mechanisms of RNA chaperones with single-molecule spectroscopy
Howard, Sean	American	City of Hope Medical Center Duarte, United States	Petr Cejka	University of Zurich, Switzerland	Function of human CtIP in complex with the MRE11-RAD50-NBS1 (MRN) nuclease to initiate resection of DNA ends
Gordon, Patricia	American	Columbia University New York, United States	Corinne Houart	King's College London, United Kingdom	Non-nuclear functions of the splicing factor PSF/sfpq in motor neuron development and maintenance
Hughes, Amanda	American	University of Massachusetts Worcester, United States	Tom Owen-Hughes	University of Dundee, United Kingdom	Post-translational regulation of chromatin remodelling

EMBO Long-Term Fellowships awarded in 2015 | Non-EMBC Member States' nationals

Name	Nationality	Home laboratory	Group leader	Host laboratory	Project
Peters, Andrew	American	University of California San Diego, United States	Matteo Carandini	University College London, United Kingdom	Corticostriatal interactions during visually-guided behavior
González Montoro, Ayelén	Argentinean	National University of Córdoba Córdoba, Argentina	Christian Ungermann	University Osnabrück, Germany	Membrane contact sites in the regulation of vacuole function, biogenesis and coordination with other organelles
Nguyen, Phong	Australian	Monash University Clayton, Australia	Jeroen Bakkers	Hubrecht Institute Utrecht, Netherlands	Examining genome wide gene expression changes during cardiac injury and regeneration
Labzin, Larisa	Australian	Universität Bonn, Germany	Leo James	MRC Laboratory of Molecular Biology Cambridge, United Kingdom	How does the intracellular Fc receptor TRIM21 synergise with cytosolic Pattern Recognition Receptors (PRRs) to tailor the innate immune response to specific pathogens?
Marchingo, Julia	Australian	Walter and Eliza Hall Institute Parkville, Australia	Doreen A. Cantrell	University of Dundee, United Kingdom	Unbiased identification of the physiological substrates and functions of PIM kinase signalling in the T cell immune response
Borges-Merjane, Carolina	Brazilian	Oregon Health & Science University (OHSU) Portland, United States	Peter Jonas	Institute of Science and Technology Austria (IST) Klosterneuburg, Austria	Presynaptic calcium channels distribution and impact on coupling at the hippocampal mossy fiber synapse
Mizuno, Carolina Megumi	Brazilian	Universidad Miguel Hernandez San Juan de Alicante, Spain	Mart Krupovic	Institut Pasteur Paris, France	Casposons, mobile elements at the origin of prokaryotic CRISPR-Cas immunity
Herszterg, Sophie	Brazilian	Federal University of Rio de Janeiro, Brazil	Jean-Paul Vincent	Francis Crick Institute London, United Kingdom	Coordination of cell fate choices and cell behaviors by multiple signals during Drosophila wing vein formation
Scorza Frungillo Lima, Lucas	Brazilian	Universidade Estadual de Campinas (UNICAMP) Campinas, Brazil	Steven Spoel	University of Edinburgh, United Kingdom	Redox control of hormonal cross talk in plant immunity
Kostadinov, Dimitar	Bulgarian	Harvard University Cambridge, United States	Michael Häusser	University College London, United Kingdom	Convergence of sensory and motor information processing in the mouse cerebellum
Rungta, Ravi	Canadian	University of British Columbia Vancouver, Canada	Serge Charpak	Université Paris Descartes Paris, France	Astrocyte modulation of neurovascular coupling in the olfactory bulb of the awake mouse
Daze, Kevin	Canadian	Vancouver Prostate Centre Vancouver, Canada	Thomas Jenuwein	MPI für Immunbiologie und Epigenetik Freiburg, Germany	Dissecting heterochromatin formation by studying H3K9me1 and chemical inhibition of H3K9me1-reader proteins
Quail, Thomas	Canadian	McGill University Montreal, Canada	Jan Brugues	MPI für molekulare Zellbiologie und Genetik Dresden, Germany	Self-organizing principles of transcription factory formation

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Stairs, Courtney	Canadian	Dalhousie University Halifax, Canada	Thijs Ettema	Uppsala University, Sweden	Contributions of the salmon gut microbiome and Spironucleus pathogenicity factors on spironucleosis disease progression in farmed Atlantic salmon
Jackson, Hartland	Canadian	University of Toronto, Canada	Bernd Bodenmiller	University of Zurich, Switzerland	Targeting bottlenecks in the evolution of metastatic potential – modeling metastatic signaling networks with imaging mass cytometry
Lau, Kelvin	Canadian	University of British Columbia Vancouver, Canada	Michael Hothorn	University of Geneva, Switzerland	Dissecting early events in UV-B plant signalling in atomic detail
Prashar, Akriti	Canadian	University of Toronto, Canada	Maximiliano Gutierrez	Francis Crick Institute London, United Kingdom	Defining the immune function of Rab32 in tuberculosis
Prins, Daniel	Canadian	University of Alberta Edmonton, Canada	Tony Green	University of Cambridge, United Kingdom	The roles of CALR in haematopoiesis and myeloproliferative neoplasms
Hernandez, Pedro	Chilean	Universität Freiburg, Germany	Philippe Herbomel	Institut Pasteur Paris, France	Innate lymphoid cells and IL-22: Functional analysis in zebrafish
Valenzuela, José	Chilean	Universidad de Chile Santiago de Chile, Chile	Franck Perez	Institut Curie Paris, France	Intracellular trafficking of EphA2 and ephrinA1 during carcinogenesis
Céspedes, Pablo	Chilean	Pontifical Catholic University of Chile Santiago de Chile, Chile	Michael Dustin	University of Oxford, United Kingdom	Studying the contribution of self-antigen citrullination in the assembly of T cell synapses that break immunological tolerance, and its effects over TCR signaling dynamics and T cell effector functions
Tan, Shutang	Chinese	Chinese Academy of Sciences Shanghai, China	Jiri Friml	Institute of Science and Technology Austria (IST) Klosterneuburg, Austria	Molecular mechanism underlying salicylic acid regulation of endocytic trafficking in Arabidopsis
Long, Yuchen	Chinese	Wageningen University, Netherlands	Arezki Boudaoud	École Normale Supérieure Lyon, France	'Shaping with water': Investigating the role of turgor pressure during plant shoot morphogenesis
Guo, Qiang	Chinese	Tsinghua University Beijing, China	Ruben Fernandez- Busnadiego	MPI für Biochemie Martinsried, Germany	Structural mechanisms of tau aggregate toxicity
Jiang, Shushu	Chinese	University of California Riverside, United States	Cyril Zipfel	The Sainsbury Laboratory Norwich, United Kingdom	Connecting the dots in plant immune signaling: identification and characterization of novel BIK1 substrates
Wan, Li	Chinese	Zhejiang University Hangzhou, China	Jesper Q. Svejstrup	Francis Crick Institute London, United Kingdom	Proteins that regulate the transcription-related DNA damage response
Zhang, Shaofei	Hong Kong Chinese	NIH Bethesda, United States	Jason W. Chin	MRC Laboratory of Molecular Biology Cambridge, United Kingdom	Functional analysis of RCC1 phosphorylations by incorporating genetic-encoded phosphoserine

EMBO Long-Term Fellowships awarded in 2015 | Non-EMBC Member States' nationals

Name	Nationality	Home laboratory	Group leader	Host laboratory	Project
Yelagandula, Ramesh	Indian	Gregor Mendel Institute of Molecular Plant Biology Vienna, Austria	Oliver Bell	IMBA Vienna, Austria	Investigating the chromatin regulators involved in spreading and memory of heterochromatin and understanding the dynamics of heterochromatin stability through cell fate changes
Kumar, Devesh	Indian	Universität des Saarlandes Homburg, Germany	Pierre Vanderhaeghen	Free University of Brussels, Belgium	Human genome variation and brain development
Alaganan, Aditi	Indian	Washington University St. Louis, United States	Chetan Chitnis	Institut Pasteur Paris, France	Signaling pathways for rhoGTPase release during erythrocyte invasion by malaria parasites
Mosalaganti, Shyamal	Indian	MPI für molekulare Physiologie Dortmund, Germany	Martin Beck	EMBL Heidelberg, Germany	Structural basis of triple A syndrome
Saha, Sonali	Indian	National Centre for Biological Sciences Bangalore, India	Thomas Jentsch	Max-Delbrück-Centrum Berlin, Germany	Role of vesicular ion homeostasis in endolysosomal function
Das, Rudra Nayan	Indian	Tata Institute of Fundamental Research Bangalore, India	Karina Yaniv	Weizmann Institute of Science Rehovot, Israel	Fate-specification of endothelial cells during development, regeneration and tumor-induced angiogenesis and lymphangiogenesis
Sridhar, Akila	Indian	University Aberdeen, United Kingdom	Miguel Godinho Ferreira	Instituto Gulbenkian de Ciência Oeiras, Portugal	Understanding the mechanisms of checkpoint inhibition at telomeres
Saxena, Kanika	Indian	CSIR – Institute of Genomics and Integrative Biology New Delhi, India	Thomas Nyström	Göteborg University, Sweden	Metabolic buffering against proteostatic stress in aging cells
Kumari, Pooja	Indian	University of Warwick Coventry, United Kingdom	Rafal Ciosk	Friedrich Miescher Institute Basel, Switzerland	RNA code and protein structure determining the specificity of mRNA regulation by the TRMI-NHL protein LIN-41
Thacker, Vivek	Indian	University of Cambridge, United Kingdom	John McKinney	Swiss Federal Institute of Technology Lausanne, Switzerland	Lung-on-a-chip microfluidics for studying bacterial pathogenesis
Gupta, Ankur	Indian	Leiden University, Netherlands	Hagan Bayley	University of Oxford, United Kingdom	A single-molecule approach to detect and study the chemistry of reactive oxygen species
Redkar, Amey	Indian	MPI für terrestrische Mikrobiologie Marburg, Germany	Jonathan D.G. Jones	John Innes Centre Norwich, United Kingdom	Elucidating the mechanistic basis of Albigo candida mediated immunosuppression: Effectomics from model to crop plants
Chellamuthu, Vasuki Ranjani	Indian	MPI für Entwicklungsbiologie Tübingen, Germany	Daniela Rhodes	Nanyang Technological University Singapore, Singapore	Chromosome maintenance: Telomerase recruitment to telomeres
Kobayashi, Kan	Japanese	University of Tokyo, Japan	Nenad Ban	ETH Zurich, Switzerland	Structural study of nascent membrane protein-targeting mechanism by SRP and SR

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Name	Nationality	Home laboratory	Group leader	Host laboratory	Project
Kin, Koryu	Japanese	Yale University West Haven, United States	Pauline Schaap	University of Dundee, United Kingdom	From genomes to cell types: Exploring the molecular basis of cell type evolution
Obata, Yuuki	Japanese	University of Tokyo, Japan	Vassilis Pachnis	Francis Crick Institute London, United Kingdom	Programming of intestinal neural networks by the microbiota-immune system axis
Ursache, Robertas	Lithuanian	University of Cambridge, United Kingdom	Niko Geldner	University Lausanne, Switzerland	Localized Casparian strip degradation during lateral root emergence
Malinauskaite, Lina	Lithuanian	Aarhus University, Denmark	Alexandru Radu Aricescu	University of Oxford, United Kingdom	The structural biology of TrkB-BDNF signalling
Ng, Sophia Jinq Tyan	Malaysian	University of Western Australia Crawley, Australia	Laurent Nussaume	Institute of Environmental Biology and Biotechnology St-Paul-lez-Durance, France	Identification and characterisation of novel phosphate regulators in plants
Wong, Fong Kuan	Malaysian	MPI für molekulare Zellbiologie und Genetik Dresden, Germany	Oscar Marín	King's College London, United Kingdom	Cortical circuit assembly in the developing mammalian neocortex
Marquez Ortiz, Yamile	Mexican	Max F. Perutz Laboratories University of Vienna, Austria	Manuel Irimia	Centro de Regulación Genómica (CRG) Barcelona, Spain	Crosstalk between alternative splicing and RNA-editing in the mammalian central nervous system
Rodriguez Verdugo, Alejandra	Mexican	University of California Irvine, United States	Martin Ackermann	ETH Zurich Dübendorf, Switzerland	Evolution of metabolic interactions in multispecies biofilms exposed to fluctuating environments
Grand, Ralph	New Zealander	Massey University Auckland, New Zealand	Dirk Schübeler	Friedrich Miescher Institute Basel, Switzerland	Transcription factor binding as a function of chromatin
Farcas, Anca Madalina	Romanian	University of Oxford, United Kingdom	Jürg Müller	MPI für Biochemie Martinsried, Germany	Towards an understanding of the molecular architecture and repressive mechanism of Polycomb repressive complex 1
Shlyueva, Daria	Russian	IMP Vienna, Austria	Kristian Helin	Biotech Research and Innovation Centre (BRIC) Copenhagen, Denmark	Identification and functional characterization of active enhancers in acute myeloid leukemia
Murina, Olga	Russian	University of Zurich, Switzerland	Andrew P. Jackson	University of Edinburgh, United Kingdom	Elucidating the role of human RNase H2 in maintaining genome stability
Paï, Tsung-Pin	Taiwanese	National Tsing Hua University Hsinchu, Taiwan	Josef Penninger	IMBA Vienna, Austria	Is AAK1 involved in the etiology of Parkinson's disease by regulating alpha-synuclein degradation?
Baranova, Natalia	Ukrainian	CIC biomaGUNE San Sebastian, Spain	Martin Loose	Institute of Science and Technology Austria (IST) Klosterneuburg, Austria	Reconstitution of bacterial cell wall synthesis
Karpenko, Iuliia	Ukrainian	Université de Strasbourg Illkirch, France	Kai Johnsson	Swiss Federal Institute of Technology Lausanne, Switzerland	Mapping neural circuits in vivo using semi-synthetic sensor proteins

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Obal, Gonzalo	Uruguayan	Institut Pasteur Montevideo, Uruguay	Nicolas Reyes	Institut Pasteur Paris, France	Molecular mechanisms of NPC1 transport and receptor functions
Dang, Thi Thu Thuy	Vietnamese	University of Calgary, Canada	Sarah O'Connor	John Innes Centre Norwich, United Kingdom	Biosynthesis of monoterpene indole alkaloids in Indian snakeroot (Rauvolfia serpentina)

EMBO Long-Term Fellowships 2015: Geographical distribution

Applications

Destination	Nationality																											Total			
	Austrian	Belgian	Croatian	Czech	Danish	Estonian	Finnish	French	German	Greek	Hungarian	Icelandic	Irish	Israeli	Italian	Luxembourgian	Dutch	Norwegian	Polish	Portuguese	Slovak	Slovenian	Spanish	Swedish	Swiss	Turkish	British		Eastern European nationalities	US-American/Canadian	Other nationalities
Austria	3	2	1					4	2					1	5						1		2					3	1	10	35
Belgium								7	3				1		1		1			2			3		1	1				10	30
Croatia			1																												1
Czech Republic	1							2															1					1		2	7
Denmark								1	6						1					3			3	1				1	1	11	28
Estonia																											1				1
Finland																			1	2			1		1					6	11
France		4		1				4	10		1		2	4	21		1		4				18	1			3	5	11	43	133
Germany	1		1	1	1		2	12	12	2	1		1	1	9		12		7	2		1	15	3		1	4	5	18	52	164
Greece										2													1								3
Hungary											1												1							2	4
Iceland																															0
Ireland	1						1		1																					2	5
Israel	2			1		1		6	4		1				1							1						3	1	6	27
Italy								1							5								5							8	19
Luxembourg																							1								1
The Netherlands	1	1	1	1				4	5		2			2	8		2		2	1			6	1	1		1		6	13	58
Norway							1												1							1					3
Poland									1										2												3
Portugal								2						1	2			1	1	7			2							3	19
Slovak Republic																															0
Slovenia																							1								1
Spain				3				3	3	1					3					1		1	5						1	21	42
Sweden				1	1		4	4	6						2		3		2		3	1	8	1	1	3		1	7	25	73
Switzerland	1	2	1	1	4			16	15	3				2	9		4		1	3	3		8	2	3		3	8	9	36	134
Turkey																										1				4	5
UK	3	2	1	4	1	3	4	19	23	1	4	1	2	10	18		9		8	7		1	46	6	1	2	2	9	21	85	293
EMBL									1														2				1			6	10
Eastern Europe																															0
USA/Canada	3	18	3	5	2	1	4	84	50	8	2		6	45	35		16		17	8	1		54	9	4	6	22	1		1	405
Others		2			1		1	5	4						2	1	1		4		2		4	1		1				5	34
Total	16	31	9	18	10	5	17	174	146	17	12	1	12	66	122	1	49	1	50	36	10	5	187	25	12	16	36	38	76	351	1549

EMBO Long-Term Fellowships 2015: Geographical distribution

Awards

Destination	Nationality																								Total							
		Austrian	Belgian	Croatian	Czech	Danish	Estonian	Finnish	French	German	Greek	Hungarian	Icelandic	Irish	Israeli	Italian	Luxembourgian	Dutch	Norwegian	Polish	Portuguese	Slovak	Slovenian	Spanish		Swedish	Swiss	Turkish	British	Eastern European nationalities	US-American/ Canadian	Other nationalities
Austria				1				1	1						1													1	1	4	10	
Belgium							1																							1	2	
Croatia																															0	
Czech Republic							1																								1	
Denmark																							1					1			2	
Estonia																								1							0	
Finland																															0	
France														3	1				1									1		4	7	17
Germany					1		1								2		4		3	1				1				1	1	7	3	25
Greece										1																					1	
Hungary																								1							1	
Iceland																															0	
Ireland																															0	
Israel	1						1																							1	3	
Italy																															0	
Luxembourg																															0	
Netherlands							1								1		1			1				1			1			1	7	
Norway																								1							0	
Poland																															0	
Portugal																1		1												1	3	
Slovak Republic																															0	
Slovenia																															0	
Spain							1	1																						1	3	
Sweden						1		1									1										2		1	1	7	
Switzerland	1		1				2	6	1								1											2	5	5	24	
Turkey																															0	
UK	1	1				1	3	12			1	1		2	4		4		1	2				11		1	1	1	3	5	14	69
EMBL																								1			1			1	3	
Eastern Europe																															0	
USA/Canada	2	3					1	11	12	2			2	11	8		2		2	2				4	1	1	2	4			70	
Others									1						1		1													1	4	
Total	5	4	2	0	1	1	2	23	34	4	1	1	2	16	19	0	14	1	7	6	0	0	19	2	2	5	9	8	23	41	252	

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 2015

Name	Nationality	Host laboratory	Group leader	Project
Hudry, Bruno	French	MRC Clinical Sciences Centre London, United Kingdom	Irene Miguel-Aliaga	Cellular context of sex chromosome regulation
Martincorena, Inigo	Spanish	Sanger Institute Cambridge, United Kingdom	Peter Campbell	Unravelling the extent of somatic mutation in normal tissues and its role in the progression to cancer
Bharat, Tanmay	Indian	MRC Laboratory of Molecular Biology Cambridge, United Kingdom	Jan Löwe	High-resolution in situ imaging of plasmid segregation by the ParMRC system
Kato, Saul	American	IMP Vienna, Austria	Manuel Zimmer	Decision making by nonlinear brain dynamics in <i>C. elegans</i>
Ichim, Gabriel	Romanian	Beatson Institute for Cancer Research Glasgow, United Kingdom	Stephen Tait	Revisiting old paradigms: Mitochondria and caspase activation as oncogenic drivers

EMBO Short-Term Fellowships →→

EMBO Short-Term Fellowships: Statistics

Applications and awards 1977–2014

Year	Applications	Awards	Success rate %
2015	557	288	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 2000–2015

Country from*	Applications	% of total	Awards	% of total	Success rate %
Austria	80	1	41	1	51
Belgium	114	2	80	2	70
Croatia	53	1	25	1	47
Czech Republic	109	2	66	2	61
Denmark	37	1	22	1	59
Estonia	11	<1	7	<1	64
Finland	50	1	26	1	52
France	311	5	197	6	63
Germany	429	7	260	8	61
Greece	203	3	116	4	57
Hungary	144	2	82	3	57
Iceland	16	<1	11	<1	69
Ireland	68	1	39	1	57
Israel	199	3	134	4	67
Italy	951	16	502	16	53
Luxembourg	2	<1	2	<1	100
Netherlands	191	3	118	4	62
Norway	17	<1	8	<1	47
Poland	249	4	129	4	52
Portugal	179	3	97	3	54
Slovak Republic	21	<1	13	<1	62
Slovenia	62	1	32	1	52
Spain	1174	19	620	19	53
Sweden	56	1	37	1	66
Switzerland	70	1	45	1	64
Turkey	139	2	53	2	38
United Kingdom	222	4	140	4	63
Eastern Europe	390	6	175	5	45
Others	1054	17	436	14	41
Total	6601	108	3513	108	53

* “Country from” refers to nationality

EMBO Short-Term Fellowships awarded in 2015

Name	Nationality	Home laboratory	Group leader	Host laboratory	Project
Kouidmi, Imene	Algerian	University of Montreal, Canada	Typas, Nassos	European Molecular Biology Laboratory, Heidelberg, Germany	High-throughput bacterial genetics to study the biology of the Gram-negative bacterial envelope with an optimized phenotypic assay
Alonso, Carlos Agustín	Argentinian	Center of Pharmacological and Botanical Studies, Buenos Aires, Argentina	Johannisson, Anders	Swedish University of Agricultural Sciences, Uppsala, Sweden	Dynamic of tyrosine phosphorylation in bicarbonate and cAMP-induced capacitation
Bueno, Carlos	Argentinian	Argentinean National Research Council, Buenos Aires, Argentina	Sparwasser, Tim	Centre for Experimental and Clinical Infection Research, TWINCORE, Hannover, Germany	Epigenetic modulation of dendritic cells during murine cytomegalovirus infection
D'Ambrosio, Juan Martín	Argentinian	National University of Mar del Plata, Argentina	Andersson, Mats	University of Gothenburg, Sweden	Unraveling the role of Phosphatidylinositol- phospholipase C 2 (AtPLC2) in defense against non-adapted and adapted pathogens in <i>Arabidopsis thaliana</i>
Darino, Martin	Argentinian	Institute for Genetics Ewald A. Favret, Buenos Aires, Argentina	Thordal- Christensen, Hans	University of Copenhagen, Denmark	Identification of effector proteins expressed in haustoria of <i>Puccinia sorghi</i>
Dellafore, Maria Andrea	Argentinian	Institute of Investigation in Genetic Engineering and Molecular Biology, Buenos Aires, Argentina	Eritja, Ramón	Institute for Advanced Chemistry of Catalonia, Barcelona, Spain	Synthesis and properties of siRNA modified with 2'-deoxy-2'-C-methylpyrimidines
Denita Juarez, Silvina Paola	Argentinian	Leloir Institute, Buenos Aires, Argentina	Bassi, Andrea	Polytechnic University of Milan, Italy	Imaging Ca ²⁺ and Reactive Oxygen Species (ROS) dynamics in single plants cells using biosensors coupled to Selective Plane Illumination Microscopy (SPIM)
Emiliani, Julia	Argentinian	Photosynthetic and Biochemical Research Centre, Rosario, Argentina	Rodriguez- Concepcion, Manuel	Centre for Research in Agricultural Genomics, Barcelona, Spain	The role of isoprenoids in the protection against UV-B radiation
Fina, Julieta	Argentinian	Photosynthetic and Biochemical Research Centre, Rosario, Argentina	Beemster, Gerrit	University of Antwerp, Belgium	Role of plant hormones in the inhibition of maize leaf growth by UV-B radiation
Giovannoni, Federico	Argentinian	University of Buenos Aires, Argentina	Hemmerich, Peter	Leibnitz Institute for Age Research, Jena, Germany	Exploring the intrinsic antiviral role of PML against dengue virus
Giulianelli, Sebastian	Argentinian	Experimental Medicine and Biology Institute, Buenos Aires, Argentina	Helguero, Luisa A.	University of Aveiro, Portugal	Proteomic analysis of the ERa interactome after ligand-independent activation
Grodzielski, Matías	Argentinian	University of Buenos Aires, Argentina	Balduini, Alessandra	University of Pavia, Italy	Effect of ITP auto-antibodies on the signaling pathways downstream their megakaryocytic targets during thrombopoiesis

EMBO Short-Term Fellowships awarded in 2015

Name	Nationality	Home laboratory	Group leader	Host laboratory	Project
Loos, Julia Alexandra	Argentinian	National University of Mar del Plata, Argentina	Brehm, Klaus	University of Wurzburg, Germany	Genetic knockdown of catalytic isoforms of AMP-Activated Protein Kinase and/or Target of Rapamycin in <i>Echinococcus multilocularis</i>
Mangano, Silvina	Argentinian	Leloir Institute, Buenos Aires, Argentina	Blazquez, Miguel	Institute for Molecular and Cellular Plant Biology, Valencia, Spain	Identification of transcription factors relevant for ROS-mediated polarized growth in hair root in plants
Mayta, Martín	Argentinian	Institute of Molecular and Cell Biology of Rosario, Argentina	Hajirezaei, Mohammad-Reza	Leibniz Institute of Plant Genetics and Crop Plant Research, Gatersleben, Germany	Evaluating tobacco plants with delayed leaf senescence
Metz, Sebastián Darío	Argentinian	Institute of Biotechnology and Molecular Biology, Chascomús, Argentina	Lara Pandis, Enrique Miguel	University of Neuchatel, Switzerland	Influence of climate on microbial eukaryotic diversity as determined by environmental high throughput sequencing
Papariní, Daniel Esteban	Argentinian	University of Buenos Aires, Argentina	Aplin, John D.	University of Manchester, United Kingdom	Effect of VIP on vascular transformation through the modulation of macrophage-trophoblast interactions at early pregnancy
Ponce, Nicolás Eric	Argentinian	University of Cordoba, Argentina	Allen, Judith E.	University of Edinburgh, United Kingdom	Characterization of the impact of cardiac macrophage profiles manipulation during helminth infection-induced myocarditis
Quarracino, Cecilia	Argentinian	Institute of Cardiologic Research, Buenos Aires, Argentina	Rodríguez Arellano, José Julio	Achucarro – Basque Center for Neuroscience, Zamudio, Spain	Characterization of human astrocytic alterations: from animal models to patients
Romanowski, Andres	Argentinian	Leloir Institute, Buenos Aires, Argentina	Weigel, Detlef	Max Planck Institute for Developmental Biology, Tübingen, Germany	Temperature effects on alternative splicing in land plants
Tossi, Vanessa Eleonora	Argentinian	National University of Mar del Plata, Argentina	Kaiserli, Eirini	University of Glasgow, United Kingdom	Study of the interactions between Nitric oxide (NO), Absciscic Acid (ABA) and UVR8, the Arabidopsis UV-B photoreceptor
Zárate, Sandra	Argentinian	University of Buenos Aires, Argentina	Stevnsner, Tinna V.	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
Bargehr, Johannes	Austrian	University of Cambridge, United Kingdom	Murry, Charles E.	University of Washington, Seattle, United States	Human stem cell derived epicardium in myocardial graft development
Korber, Martina	Austrian	University of Technology, Graz, Austria	Schneider, Roger	University of Fribourg, Switzerland	Regulation of steryl ester metabolism in the yeast <i>Saccharomyces cerevisiae</i>
Nikalayevich, Elvira	Belarusian	Institute Pierre and Marie Curie, Paris, France	Stemmann, Olaf	University of Bayreuth, Germany	Phosphorylation-dependent cleavage of meiosis-specific cohesin Rec8
Cox, Benoit	Belgian	University of Leuven, Belgium	Andoniadou, Cynthia	King's College London, United Kingdom	Pituitary deficiency and regeneration: in search of underlying mechanisms and therapeutic targets with a focus on Wnt/Lgr5

EMBO Short-Term Fellowships awarded in 2015

Name	Nationality	Home laboratory	Group leader	Host laboratory	Project
Krols, Michiel	Belgian	University of Antwerpen, Belgium	McMahon, Harvey	Medical Research Council Laboratory of Molecular Biology, Cambridge, United Kingdom	Deciphering the molecular defect of mutations in ATL3 disrupting ER shape and dynamics
Laoui, Damy	Belgian	Free University of Brussels, Belgium	De Palma, Michele	Swiss Federal Institute of Technology Lausanne, Switzerland	Targeting tumor angiogenesis to enhance cancer immunotherapy: Effector mechanisms
Yague Sanz, Carlo	Belgian	University of Namur, Belgium	Morillon, Antonin	Curie Institute, Paris, France	Characterization of the role of pol II CTD phosphorylation in the remodelling of the chromatin landscape at pol III targets loci
Caixeta Pereira, Vanessa	Brazilian	Leibniz Institute for Analytical Sciences, Dortmund, Germany	Berven, Frode	University of Bergen, Norway	Improved enrichment of glycoproteins and glycopeptides for neurological diseases research
Cerqueira, Fernanda	Brazilian	Ben-Gurion University of the Negev, Beer-Sheva, Israel	Scorrano, Luca	University of Padova, Italy	In vivo and in vitro role of the neuronal deubiquitinase UCH-L1 on mitochondria- endoplasmatic reticulum tethering and mitophagy
Buckley, Catherine	British	University of Sheffield, United Kingdom	Soldati, Thierry	University of Geneva, Switzerland	Deciphering the roles of phosphatidylinositol phosphate effector proteins in macropinosome and phagosome maturation
Clark, Laura	British	University of Oxford, United Kingdom	Filipe, Sergio	New University of Lisbon, Portugal	Molecular mechanisms of bacterial cell- wall-mediated pathogenicity
Czyzewicz, Nathan	British	University of Nottingham, Loughborough, United Kingdom	Gevaert, Kris	Flanders Interuniversity Institute for Biotechnology, Ghent University, Belgium	A phosphoproteomics approach to identify components downstream of the CLE26 peptide
Lopez-Moya, Federico	British	Ramón Margalef University, Alicante, Spain	Talbot, Nicholas J.	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
Lucas, Stuart	British	Sabancı University, Istanbul, Turkey	Buggs, Richard	Queen Mary University of London, United Kingdom	Developing molecular tools for analyzing cold adaptation in the Betulaceae
Mason, Tom	British	University of Cambridge, United Kingdom	Gazit, Ehud	Tel Aviv University, Israel	Microfluidic techniques in probing biomechanical properties of peptide aggregates
Michelini, Giorgia	British	King's College London, United Kingdom	Loo, Sandra K.	University of California, Los Angeles, United States	Investigating pathways to remission and persistence of attention-deficit/hyperactivity disorder using electroencephalography- based measures of brain functional connectivity
Reeve, Holly	British	University of Oxford, United Kingdom	Lenz, Oliver	Technical University of Berlin, Germany	Structure-function insight into NAD ⁺ /NADH cycling flavo-enzymes

EMBO Short-Term Fellowships awarded in 2015

Name	Nationality	Home laboratory	Group leader	Host laboratory	Project
Spagnoletti, Matteo	British	University College London, United Kingdom	Fani, Renato	University of Florence, Italy	Development of a phylogenomic strategy for mining functional diversity of antibiotic resistance genes in metagenomic data
Tatum, Natalie	British	Durham University, United Kingdom	Kamerlin, Lynn	Uppsala University, Sweden	Dynamic simulation of novel ethionamide boosters for tuberculosis drug development
Enchev, Radoslav	Bulgarian	Institute of Biochemistry, Swiss Federal Institute of Technology, Zurich, Switzerland	Deshaies, Ray	California Institute of Technology, Pasadena, United States	Molecular mechanism of Cullin-RING ligases deneddylation by the COP9 signalosome
Ntsomboh Ntsefong, Godswill	Cameroonian	Institute of Agricultural Research for Development, Douala, Cameroon	Arondel, Vincent	Membrane Biogenesis Laboratory, Bordeaux, France	Study of the genetic variability of fatty acids composition of palm oil (<i>Elaeis guineensis</i> Jacq.) towards improvement of its dietary quality
Hsieh, Wei Yuan	Canadian	University of Edinburgh, United Kingdom	Osborne, Timothy	Sanford Burnham Prebys Medical Discovery Institute, Orlando, United States	Macrophage-hepatocyte crosstalk through 25-hydroxylase generation of 25-hydroxycholesterol in the liver
Sanders, Ashley	Canadian	University of British Columbia, Vancouver, Canada	Korbel, Jan	European Molecular Biology Laboratory, Heidelberg, Germany	Characterizing structural variants using integrative sequencing technologies to explore normal variation in the human genome
Liang, Xiaoping	Chinese	Institute of Biophysics, Chinese Academy of Sciences, Beijing, China	Gasser, Susan M.	Friedrich Miescher Institute for Biomedical Research, Basel, Switzerland	Structural insights into the role of H2A.Z and Mps3 in relocating DSBs to the nuclear envelope
Wang, Yong	Chinese	University of Copenhagen, Denmark	Parrinello, Michele	Swiss Federal Institute of Technology in Zurich, Lugano, Switzerland	Exploring the coupling of ligand binding and protein dynamics using metadynamics
Yuan, Ti-Fei	Chinese	Nanjing Normal University, Nanjing, China	Hausser, Michael	Wolfson Institute for Biomedical Research, University College London, United Kingdom	The functional neural circuit of mouse claustrum and its roles in integrating cortical information
Cuesta Astroz, Yesid	Columbian	Research Center Rene Rachou, Belo Horizonte, Brazil	Jensen, Lars Juhl	University of Copenhagen, Denmark	An integrative approach to unravel the human-Schistosoma mansoni interactome: Who, when and where
Muñoz Lasso, Diana Carolina	Columbian	Príncipe Felipe Research Center, Valencia, Spain	Pook, Mark	Brunel University London, Uxbridge, United Kingdom	Study of dynamics of axonal growth of sensory neurons from YG8sR mouse model for Friedreich's ataxia
Mlinac Jerković, Kristina	Croatian	Croatian Institute for Brain Research, Zagreb, Croatia	Schnaar, Ronald L.	Johns Hopkins University School of Medicine, Baltimore, United States	Lipid rafts and brain insulin resistance in neurodegeneration

EMBO Short-Term Fellowships awarded in 2015

Name	Nationality	Home laboratory	Group leader	Host laboratory	Project
Acanda de la Rocha, Arlet Maria	Cuban	Center for Applied Medical Research, Pamplona, Spain	Latterra, John J.	Kennedy Krieger Institute, Baltimore, United States	Role of Sox2 and its transcriptional networks in high-grade brain tumors
Arguelles Oliva, Brizaida Maylin	Cuban	Center for Genetic Engineering and Biotechnology, Havana, Cuba	Stark, Lesley	University of Edinburgh, United Kingdom	Study of the role of COMMD1 in the cytotoxic effect of peptide CIGB552 in human colorectal cancer. Implications of the inhibition of NF-kappaB activity by CIGB552
Hervis Valdés, Yadira de la Patria	Cuban	University of Havana, Cuba	Steinhoff, Heinz-Jürgen	University of Osnabruck, Germany	Membrane topological study of sticholysin I, actinoporin from Stichodactyla helianthus, by site-directed spin labeling coupled to EPR spectroscopy
Ortiz Miranda, Yaquelin	Cuban	Center of Molecular Immunology, Havana, Cuba	Graca, Luis	University of Lisbon, Portugal	In vivo modulation of regulatory T cells through IL-2 signal blockade: proliferation inhibition or functional inactivation?
Pavlou, Andrea	Cypriot	University of Cyprus, Nicosia, Cyprus	Martínková, Markéta	Charles University in Prague, Czech Republic	Studies on the intraprotein/interdomain interaction on a model sensor protein, the globin-coupled histidine kinase from Anaeromyxobacter sp. strain Fw109-5
Cegan, Radim	Czech	Institute of Biophysics of the Czech Academy of Sciences, Brno, Czech Republic	Benes, Vladimir	European Molecular Biology Laboratory, Heidelberg, Germany	Silene latifolia sex chromosome specific genomics
Geleticova, Jaroslava	Czech	Palacky University in Olomouc, Czech Republic	Nissen, Poul	The Danish Research Institute of Translational Neuroscience, Aarhus, Denmark	Human Na ⁺ ,K ⁺ -ATPase alpha3 expression in S. cerevisiae
Haml, Vladimir	Czech	Charles University in Prague, Czech Republic	Richards, Thomas	University of Exeter, United Kingdom	Reconstruction of the genome complement of the Last Eukaryotic Common ancestor using the up-to-date set of eukaryotic genomes
Janečková, Eva	Czech	Institute of Animal Physiology and Genetics, Brno, Czech Republic	Tucker, Abigail	King's College London, United Kingdom	Impact of matrix metalloproteinases on tooth development
Liskova, Petra	Czech	Charles University in Prague, Czech Republic	Hardcastle, Alison J.	University College London, United Kingdom	Unravelling the molecular genetic cause of posterior polymorphous corneal dystrophy
Groenberg, Christina	Danish	University of Copenhagen, Denmark	Argüello, José M.	Worcester Polytechnic Institute, United States	Deciphering copper and interaction complexes of copper-transporting P-type ATPases
O'Sullivan, Angela	Danish	Aarhus University, Denmark	Dickinson, Michael	California Institute of Technology, Pasadena, United States	The neuromuscular basis of multifunctional motor control during courtship song and flight in Drosophila

EMBO Short-Term Fellowships awarded in 2015

Name	Nationality	Home laboratory	Group leader	Host laboratory	Project
Aleyd, Esil	Dutch	VU University Medical Center, Amsterdam, Netherlands	Mocsai, Attila	Semmelweis University School of Medicine Budapest, Hungary	The role of auto-antibodies and Fc receptors in rheumatoid arthritis
Jongsma, Marlieke	Dutch	Sanquin Research, Amsterdam, Netherlands	Huppa, Johannes	Medical University of Vienna, Austria	Characterize the lacto-glycosphingolipid influence on MHC class I cell surface organization
Meijboom, Katharina	Dutch	University of Oxford, United Kingdom	Raoul, Cédric	The Neuroscience Institute of Montpellier, France	Targeting CPP-PMOs to motoneurons as a therapy for spinal muscular atrophy
Middelbeek, Jeroen	Dutch	Radboud University Nijmegen Medical Centre, Netherlands	Trepatt, Xavier	Institute for Bioengineering of Catalonia, Barcelona, Spain	Tensional regulation of breast cancer progression by TRPM7
van Riel, Wilhelmina	Dutch	Utrecht University, Netherlands	Steinmetz, Michel O.	Paul Scherrer Institute, Villigen, Switzerland	Autoinhibition mechanism of kinesins KIF21A and KIF21B
Verbon, Eline	Dutch	Utrecht University, Netherlands	Liberman, Louisa	Duke University, United States	Deciphering the genetic signalling pathways within the Arabidopsis thaliana root in response to the beneficial microbe Pseudomonas simiae
Willemsen, Anouk	Dutch	Institute for Molecular and Cellular Plant Biology, Valencia, Spain	Zwart, Mark P.	Wageningen University, The Netherlands	Predicting the stability of gene insertions in a plant RNA virus
Saar, Kadi-Liis	Estonian	University of Cambridge, United Kingdom	Weitz, David	Harvard University, Cambridge, United States	Screening phototrophic organisms for their exoelectrogenic ability for improving the performance of biological solar cells
Paavola, Jere	Finnish	Minerva Foundation Institute for Medical Research, Helsinki, Finland	Hugues, Abriel	University of Bern, Switzerland	TRPM4 in cardiac electrophysiology
Tähtinen, Siri	Finnish	University of Helsinki, Finland	Umansky, Viktor	German Cancer Research Center, Heidelberg, Germany	Enhancing T-cell therapy with cytokine-armed adenoviruses for the treatment of melanoma
Avanzi, Charlotte	French	Swiss Federal Institute of Technology in Lausanne Switzerland	Krause, Johannes	Eberhard Karls University, Tübingen, Germany	Toward the complete variome of M. leprae strains from Europe
Bailleul, Benjamin	French	University Paris 6, France	Vardi, Assaf	Weizmann Institute of Science, Rehovot, Israel	Dinoflagellates inhibit diatom's photosynthesis
Bonnet, Amandine	French	Jacques Monod Institute, University Paris Diderot, Paris, France	De Almeida, Sergio	University of Lisbon, Portugal	A role for introns in the maintenance of genetic stability in human cells

EMBO Short-Term Fellowships awarded in 2015

Name	Nationality	Home laboratory	Group leader	Host laboratory	Project
Dujardin, Gwendal	French	Center for Genomic Regulation, Barcelona, Spain	Proudfoot, Nicholas	Sir William Dunn School of Pathology, University of Oxford, United Kingdom	Interconnection between R-loop formation and alternative splicing
Durand, Eric	French	Marseille University, France	Pilhofer, Martin	Swiss Federal Institute of Technology Zurich, Switzerland	Native structure of the type VI secretion system within intact cells by electron cryo-tomography
Graindorge, Antoine	French	Curie Institute, Paris, France	Taipale, Mikko	University of Toronto, Canada	Systematic identification of lincRNA interaction partners by a novel quantitative in vivo approach
Louveaux, Marion	French	École Normale Supérieure de Lyon, France	Weijers, Dolf	Wageningen University, The Netherlands	Cell division plane orientation: trade-off between two polarizing cues, auxin and mechanical stress
Ors, Aysegul	French	Bilkent University, Ankara, Turkey	Dimitrov, Stefan	Albert Bonniot Institute, Grenoble, France	Role of histone variant H2AZ and H3.3 in the liver
Rey, Elodie	French	Centre of Plant Structural and Functional Genomics, Olomouc, Czech Republic	Roessner, Ute	The University of Melbourne, Australia	Interaction between a host plant genome and introgressed chromatin
Rolhion, Nathalie	French	Pasteur Institute, Paris, France	Gewirtz, Andrew	University Atlanta, United States	Effect of a <i>Listeria monocytogenes</i> putative bacteriocin on mouse microbiota composition
Baumdick, Martin	German	Max Planck Institute of Molecular Physiology, Dortmund, Germany	Chin, Jason	Medical Research Council Laboratory of Molecular Biology, Cambridge, United Kingdom	Conformational fluctuations of receptor tyrosine kinases
Bruhn, Christopher	German	IFOM – FIRC Institute of Molecular Oncology Foundation, Milan, Italy	Hinnebusch, Alan	National Institutes of Health Clinical Center, Bethesda, United States	Dissecting the crosstalk between the DNA damage response and translational control during aging
Diepold, Andreas	German	University of Oxford, United Kingdom	Christen, Matthias	Swiss Federal Institute of Technology Zurich, Switzerland	Coordinating virulence and cell cycle – Integration of the type III secretion system within the c-di-GMP regulation system
Gebhardt, Christoph	German	Curie Institute, Paris, France	Bianco, Isaac	University College London, United Kingdom	Neural substrates of binocular vision in the zebrafish
Hacke, Moritz	German	Center for Molecular Biology, University of Heidelberg, Germany	Rothman, James E.	Yale School of Medicine, New Haven, United States	Ebola glycoprotein oligomerization and lipid interaction in model membranes
Junghans, Cornelia	German	Technical University of Berlin, Germany	Vukojevic, Vladana	Karolinska Institute, Stockholm, Sweden	Investigation of targeting and distribution of Na,K-ATPase in specific membrane compartments by FCS - significance for human health and disease
Pader, Irina	German	Karolinska Institutet, Stockholm, Sweden	Schmidt, Edward	Montana State University, Bozeman, United States	Studying the function of TRP14 in cellular redox networks using genetically modified mice

EMBO Short-Term Fellowships awarded in 2015

Name	Nationality	Home laboratory	Group leader	Host laboratory	Project
Rempel, Stephan	German	University of Groningen, Netherlands	de Gier, Jan-Willem	Stockholm University, Sweden	Engineering an Escherichia coli strain for the identification and characterization of new bacterial vitamin B12 uptake systems
Schlackow, Margarita	German	Sir William Dunn School of Pathology, University of Oxford, United Kingdom	Steinmetz, Lars	European Molecular Biology Laboratory, Heidelberg, Germany	Genome-wide analysis of co-transcriptional processing events in mammalian cells at single nucleotide resolution
Schmolka, Nina	German	University of Lisbon, Portugal	Helwk, Aleksandra	Wellcome Trust Centre for Cell Biology, University of Edinburgh, United Kingdom	The role of microRNAs in the differentiation of pro-inflammatory gamma delta T-cell subsets
Straube, Ronny	German	Max Planck Institut for Dynamics of Complex Technical Systems, Magdeburg, Germany	Deshaies, Raymond J.	California Institute of Technology, Pasadena, United States	Quantitative mathematical modelling of the cullin-RING ubiquitin ligase (CRL) cycle
Streubel, Gundula	German	Trinity College Dublin, Ireland	Pasini, Diego	European Institute of Oncology, Milan, Italy	The role of novel Polycomb Repressive Complex 2 associated proteins in the mono-, di- and trimethylation of Histone H3 at lysine 27
Thaa, Bastian	German	Karolinska Institutet, Stockholm, Sweden	Polacek, Charlotta	Technical University of Denmark, Frederiksberg, Denmark	Cellular stress response upon infection with the globally important porcine virus PRRSV
Wallroth, Alexander	German	Leibniz Institute for Molecular Pharmacology, Berlin, Germany	Weisman, Lois	University of Michigan, Ann Arbor, United States	Phosphatidylinositol 3,4-bisphosphate in endolysosomal membrane traffic and nutrient signalling
Zerbes, Ralf	German	Institute for Biochemistry and Molecular Biology, Freiburg, Germany	Ryan, Michael	Monash University, Melbourne, Australia	Characterization of the human mitochondrial contact site and cristae organizing system
Chanoumidou, Konstantina	Greek	Foundation for Research and Technology – Hellas, Heraklion, Greece	Ahlenius, Henrik	Lund University, Sweden	GRG5: A novel player in neural commitment and generation of Induced Neuronal Cells?
Drimyli, Efstathia	Greek	Biomedical Sciences Research Center Alexander Fleming, Athens, Greece	Roman, Gregg	University of Houston, United States	Differential response of a single receptor to odorant isotopes
Kalamida, Dimitra	Greek	University Hospital of Alexandroupolis Medical School, Greece	Harris, Andrian	Weatherall Institute of Molecular Medicine, University of Oxford, United Kingdom	Monitoring tumor stroma and lung cancer cells metabolic co-operation by 3D cell culturing
Pavloudi, Christina	Greek	Hellenic Centre for Marine Research, Heraklion, Greece	Friedrich, Michael W.	University of Bremen, Germany	Concurrent activity of sulfate reducing and denitrifying bacteria in the Namibian Oxygen Minimum Zone identified by RNA stable isotope probing

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Name	Nationality	Home laboratory	Group leader	Host laboratory	Project
Savvaki, Maria	Greek	University of Crete, Heraklion, Greece	Merbs, Shannath L.	Wilmer Eye Institute, Johns Hopkins School of Medicine, Baltimore, United States	Studying the role of Contactin-2 in retinal pathology in mice
Cseh, Anna Mária	Hungarian	University of Pecs, Medical School, Hungary	Scorrano, Luca	University of Padua, Italy	The role of PARP inhibition on mitochondrial dynamics
Kovács, Tamás	Hungarian	University of Debrecen, Hungary	Arndt-Jovin, Donna	Max Planck Institute for Biophysical Chemistry, Göttingen, Germany	Determination of the effect of changing the dipole potential on the clustering of ErbB proteins and their signaling efficiency
Nyerges, Ákos	Hungarian	Biological Research Centre, Hungarian Academy of Sciences, Szeged, Hungary	Held, Martin	Swiss Federal Institute of Technology Zurich, Basel, Switzerland	Exploring the determinants of cross- resistance on the antimicrobial peptide sequence space
Papp, Orsolya	Hungarian	Institute of Experimental MedicineHungarian Academy of Sciences, Budapest, Hungary	Herry, Cyril	Magendie Neurocenter, Bordeaux, France	Basal forebrain control of prefrontal cortical function during fear learning
Szántai, Ágnes	Hungarian	University of Szeged, Hungary	Madonna, Rosalinda	G. d'Annunzio University of Chieti-Pescara, Italy	Investigation of cardiocytoprotection of cardiac stem cell-derived cardiac myocytes in vitro, in simulated ischemia/ reoxygenation test system
Varjú, Imre	Hungarian	Semmelweis University, Budapest, Hungary	Longstaff, Colin	National Institute for Biological Standards and Control, South Mimms, United Kingdom	Neutralization of histones released in inflammation-related thrombosis: destabilization of neutrophil extracellular traps using heparin derivatives
Ahmad, Javeed	Indian	All India Institute of Medical Sciences, New Delhi, India	Mohan, Madan Babu	Medical Research Council Laboratory of Molecular Biology, Cambridge, United Kingdom	Intrinsically disordered proteins and mycobacterium tuberculosis: pathogenesis, comparative analysis of H37Rv and H37Ra strains
Ansari, Abdul	Indian	University of Malaya, Kuala Lumpur, Malaysia	Schmidt, Reinhold E.	Hannover Medical School, Germany	Deciphering the iNKT cell dysfunction in HIV infection
Bidchol, Abdul Mueed	Indian	Manipal University, India	Newman, William	University of Manchester, United Kingdom	Unraveling the genetic etiologies of Melkersson-Rosenthal syndrome and Teebi hypertelorism syndrome by exome sequencing
More, Kunal	Indian	International Center for Genetic Engineering and Biotechnology, New Delhi, India	Choudhary, Jyoti	Wellcome Trust Sanger Institute, Cambridge, United Kingdom	Quantitative proteomic and phosphoproteomic analysis of merozoite stage of human malaria parasite Plasmodium falciparum
Nanekar, Rahul	Indian	University of Oulu, Finland	Ciruela, Francisco	University of Barcelona, Spain	Interaction studies between human adenosine receptor and dopamine receptor

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Prakash Bangalore, Megha	Indian	National Centre for Biological Sciences, Bangalore, India	Bader, Michael	Max-Delbrück-Center for Molecular Medicine, Berlin, Germany	Role of serotonin in reprogramming of mouse fibroblasts
Rathore, Sorbhi	Indian	SciLifeLab, Stockholm, Sweden	Minczuk, Michal	Wellcome Trust – Medical Research Council Cambridge Stem Cell Institute, Cambridge, United Kingdom	Identification of a new ribosome biogenesis factor in human mitochondria
Shaik, Anjumara	Indian	Leibniz Research Institute for Environmental Medicine, Düsseldorf, Germany	Gartner, Anton	University of Dundee, United Kingdom	To exploit the anti-aging effect of reducing frataxin expression as a possible tumour-suppressor strategy
Thomas, Dilip	Indian	National University of Ireland Galway, Ireland	Marchetti-Deschmann, Martina	Vienna University of Technology, Austria	To evaluate the efficacy of a tunable microgel cell delivery platform to promote angiogenesis in a hind-limb ischemia (HLI) mouse model
Upadhyay, Arunkumar	Indian	Umea University, Sweden	Lill, Roland	Philipps University of Marburg, Germany	Viperin biogenesis and antiviral effect against TBEV
Maher, Geoffrey	Irish	The Weatherall Institute of Molecular Medicine, University of Oxford, United Kingdom	Rajpert-De Meyts, Ewa	Copenhagen University Hospital, Denmark	Identifying clones of mutant spermatogonia in human testes
Murphy, Conor	Irish	University of Innsbruck, Austria	Bredy, Timothy	University of California, Irvine, United States	Viral manipulation of an extinction-specific miRNA candidate in the Basolateral amygdala and its effect on fear extinction in impaired S1 and normally extinguishing S6/BL6 mice
Afanzar, Oshri	Israeli	Weizmann Institute of Science, Rehovot, Israel	Berry, Richard	University of Oxford, United Kingdom	Study of single CheY molecules with respect to binding of the flagellar motor and acetylation
Baron - Becher, Maayan	Israeli	Technion – Israel Institute of Technology, Haifa, Israel	Klein, Allon	Harvard Medical School, Boston, United States	Single-cell analysis of pancreatic development under normal and diseased states
Burgsdorf, Ilia	Israeli	University of Haifa, Israel	Handley, Kim M.	The University of Auckland, New Zealand	From free living existence to intracellular symbiosis: genomic features of the facultative symbiont <i>Candidatus Synechococcus feldmannii</i>
Fridman, Svetlana	Israeli	Technion – Israel Institute of Technology, Haifa, Israel	Rappaport, Fabrice	Institute of Physical and Chemical Biology, Paris, France	The role of viral photosystem I genes in cyanobacterial photosynthesis
Haimovich, Yael	Israeli	Technion – Israel Institute of Technology, Haifa, Israel	Meinhard, Andreas	Justus Liebig University Giessen, Germany	Regulation of iron homeostasis in the male reproductive tract in health and during bacterial infection

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Knebel, Daniel	Israeli	Tel Aviv University, Israel	Gabbiani, Fabrizio	Baylor College of Medicine, Houston, United States	Inducing walking patterns in the locust by optically stimulating its higher motor centers
Qvit, Nir	Israeli	Stanford University, School of Medicine, United States	Zilberstein, Dan	Technion – Israel Institute of Technology, Haifa, Israel	Development of novel peptides/Inhibitors of essential enzymes targeting Leishmaniasis; host-free system
Schatz, Daniella	Israeli	Weizmann Institute of Science, Rehovot, Israel	Schroeder, Declan	Marine Biological Association, Plymouth, United Kingdom	Exploring novel replication strategies of large dsDNA viruses and their ecological relevance during host-virus dynamics within oceanic algal blooms
Schleyer, Guy	Israeli	Weizmann Institute of Science, Rehovot, Israel	Piel, Joern	Institute of Microbiology, Swiss Federal Institute of Technology Zurich, Switzerland	Deciphering the Metabolic Landscape during host-virus interactions of the Bloom-Forming Phytoplankton <i>Emiliania huxleyi</i>
Bernardi, Giulio	Italian	University of Pisa, Italy	Heinzer, Raphael	University of Lausanne, Switzerland	Consciousness in the wake-sleep transition: a high-density EEG study
Bianchi, Arianna	Italian	Institute of Genetic Medicine, Newcastle University, Newcastle upon Tyne, United Kingdom	Skottman, Heli	University of Tampere, Finland	Establishment of a novel human 3D cornea model using induced pluripotent stem cells (iPSC)
Callegari, Andrea	Italian	Swiss Federal Institute of Technology in Lausanne, Switzerland	Mazza, Davide	Centre for Experimental Imaging, San Raffaele Scientific Institute, Vita-Salute San Raffaele University, Milan, Italy	Quantitative FRAP (qFRAP) assessment of p65-NFkB binding kinetics in living cells
Cappelletti, Valentina	Italian	Edmund Mach Foundation of San Michele all'Adige, Italy	Picotti, Paola	Institute of Biochemistry, Swiss Federal Institute of Technology Zurich, Switzerland	Large scale mass spectrometry-based analysis of protein structural changes during the unicellular-to-multicellular epigenetic transition in natural yeast
Cordella, Martina	Italian	National Institute of Health, Rome, Italy	Valitutti, Salvatore	Centre de Physiopathologie de Toulouse Purpan, France	Looking at a melanoma cell and its microenvironment
Corso, Massimiliano	Italian	Free University of Brussels, Belgium	Costa, Alex	University of Milan, Italy	Study of intracellular calcium dynamics and stress response mediated by CCX2 and CAX1 genes in Arabidopsis
Corvino, Angela	Italian	University of Naples, Italy	Pastore, Annalisa	Maurice Wohl Institute, King's College London, United Kingdom	Fragment-based de novo design of a cystathionine gamma-lyase selective inhibitor blocking hydrogen sulfide production
Cristofani, Riccardo Maria	Italian	University of Milan, Italy	Schiavo, Giampietro	University College London, United Kingdom	Deficits in axonal retrograde transport in motor neuron diseases

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Cuomo, Claudia	Italian	Anton Dohrn Zoological Station, Naples, Italy	Hinman, Veronica	Carnegie Mellon University, Pittsburgh, United States	Evolution of a gene regulatory network for gut development
De Pascalis, Chiara	Italian	Pasteur Institute, Paris, France	Trepas, Xavier	Institute for Bioengineering of Catalonia, Barcelona, Spain	Assessing the role of Intermediate Filaments in collective cell migration through forces
Di Bartolomeo, Francesca	Italian	University of Technology, Graz, Austria	Becker, Thomas	University of Freiburg, Germany	Functional and topological characterization of phosphatidylserine decarboxylase 1 (Psd1p) from the yeast
di Martino, Orsola	Italian	University of Naples Federico II, Naples, Italy	Foulkes, Nicholas S.	Karlsruhe Institute of Technology, Institute of Toxicology and Genetics, Germany	Role of YBX-1 protein in the timing of cell proliferation during zebrafish development
Fagnocchi, Luca	Italian	National Institute of Molecular Genetics, Milan, Italy	Stunnenberg, Henk	Radboud University Medical Centre, Nijmegen, The Netherlands	Transcriptional and epigenetic characterization of a Myc-induced epigenetic memory in mouse embryonic stem cells
Fraioli, Roberta	Italian	Polytechnic University of Catalonia, Barcelona, Spain	Dalby, Matthew	University of Glasgow, United Kingdom	Engineering novel orthopedic surfaces: Nano features and integrin-binding compounds anchored to Ti to instruct stem cell response
Gallo, Guido Roberto Carlo	Italian	University of Milan, Italy	Bellipanni, Gianfranco	Temple University, Philadelphia, United States	Investigating the in vivo function of Haspin during zebrafish development by both knock-down and knock-out strategies
Gounari, Maria	Italian	San Raffaele Scientific institute, Milan, Italy	Jumaa, Hassan	University Clinic of Ulm, Germany	Dissecting the role of antigen stimulation vs autonomous signaling in Chronic Lymphocytic Leukemia (CLL)
Lauria, Fabio	Italian	Institute of Biophysics, Povo, Italy	Sanguinetti, Guido	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
Loviglio, Maria Nicla	Italian	University of Lausanne, Switzerland	Katsanis, Nicholas	Duke University, Durham, United States	The 16p11.2 genomic rearrangements: a paradigm to identify pathways associated with intellectual disability, head size phenotypes, as well as autistic and BMI traits
Magri, Marta Silvia	Italian	Pablo de Olavide University, Seville, Spain	Lemaire, Patrick	University of Montpellier, France	Comparative analysis of regulatory landscapes among chordates
Mele, Miranda	Italian	University of Coimbra, Portugal	Barberis, Andrea	Italian Institute of Technology, Genova, Italy	Structural and molecular alterations in GABAergic synapses in epileptogenesis: synaptic organization and GABAA receptor dynamics

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Melloni, Giorgio	Italian	Center for Genomic Science of IIT@SEMM, Milan, Italy	Zeggini, Eleftheria	Wellcome Trust Sanger Institute, Hinxton, United Kingdom	Next generation association studies in isolated populations
Menga, Alessio	Italian	University of Bari Aldo Moro, Italy	Mazzone, Massimiliano	Flanders Interuniversity Institute for Biotechnology, University of Leuven, Belgium	Unraveling the molecular mechanisms underlying the oncosuppressive role of slc25a26 in cervical cancer
Neri, Francesco	Italian	Human Genetics Foundation, Torino, Italy	Stunnenberg, Hendrik G.	Radboud University Medical Centre, Nijmegen, The Netherlands	Mechanisms of DNA methylation in early mouse development
Nicolai, Sara	Italian	University of Rome Tor Vergata, Italy	Malewicz, Michal	University of Leicester, United Kingdom	Functional characterization of ZNF281 and DNA-PK interaction
Ottaviani, Daniele	Italian	University of Padova, Italy	Cheetham, Mike	University College London, United Kingdom	Protein kinase CK2 phosphorylates the HSP1 chaperone and modulates its neuroprotective function
Palmieri, Erika Mariana	Italian	University of Bari Aldo Moro, Bari, Italy	Mazzone, Massimiliano	Flanders Interuniversity Institute for Biotechnology, University of Leuven, Belgium	Glutamine synthetase activity as a modulator of M2 immunosuppressive and pro-tumor phenotype: a functional approach
Paoli, Marco	Italian	University of Trento, Italy	Galizia, Giovanni	University of Konstanz, Germany	Identification of molecular vibration-sensing odour receptors
Piccinini, Filippo	Italian	University of Bologna, Italy	Horvath, Peter	Biological Research Centre of the Hungarian Academy of Sciences, Szeged, Hungary	Label-free automatic in vitro cell tracking
Pinamonti, Giovanni	Italian	International School for Advanced Studies, Trieste, Italy	Noé, Frank	Free University of Berlin, Germany	RNA base fraying: a molecular dynamics study analyzed with Markov state models
Populin, Francesca	Italian	University of Padova, Legnaro, Italy	Moing, Annick	French Institute for Agricultural Research, Bordeaux-Rennes, France	Metabolomic profiling of developing apple fruit (<i>Malus domestica</i>)
Romano, Alessia	Italian	Telethon Institute of Genetics and Medicine, Pozzuoli, Italy	Zeviani, Massimo	Wellcome Trust – Medical Research Council Cambridge Stem Cell Institute, Cambridge, United Kingdom	Mitochondrial ROS-dependent caspase-9 activation: implication for genetic disorders
Rosini, Elena	Italian	University of Insubria, Varese, Italy	Neri, Dario	Swiss Federal Institute of Technology Zurich, Switzerland	A targeted enzymatic therapy based on oxidative stress: a promising tool for cancer treatment
Russo, Isabella	Italian	University of Padova, Italy	Cookson, Mark R.	National Institutes of Health Clinical Center, Bethesda, United States	Exploring LRRK2-related signaling pathways in microglia cells: relevance for Parkinson's disease

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Sepe, Sara	Italian	IFOM – FIRC Institute of Molecular Oncology Foundation, Milan, Italy	Lazzerini Denchi, Eros	The Scripps Research Institute, La Jolla, United States	Study of the effects of anti-sense oligo (ASO) in TRF2 deficient mouse model
Simonini, Sara	Italian	John Innes Centre, Norwich, United Kingdom	Hart, Darren	University of Joseph Fourier, Grenoble, France	3D structure of ETT-IND-auxin complex
Torlai Triglia, Elena	Italian	Max Delbrück Center for Molecular Medicine, Berlin, Germany	Teichmann, Sarah	European Bioinformatics Institute & Wellcome Trust Sanger Institute, Cambridge, United Kingdom	Regulation of single-cell gene expression by Polycomb repressor complexes during neuronal differentiation
Valentini, Martina	Italian	Medical Research Council Clinical Sciences Centre, Imperial College London, United Kingdom	Jenal, Urs	Biozentrum, University of Basel, Switzerland	Subcellular localisation and dynamics of c-di-GMP associated components modulating <i>Pseudomonas aeruginosa</i> motility
Vannocci, Tommaso	Italian	King's College London, United Kingdom	Codazzi, Franca	San Raffaele University and San Raffaele Scientific Institute, Milan, Italy	Understanding disease development in Friedreich's ataxia in a time-resolved way
Vannozzi, Alessandro	Italian	University of Padova, Legnaro, Italy	Dry, Ian	CSIRO Agriculture, Adelaide, Australia	Transcriptional regulation of the stilbene synthase pathway in grapevine (<i>V. vinifera</i> L.)
Vascotto, Carlo	Italian	University of Udine, Italy	Chacinska, Agnieszka	International Institute of Molecular and Cell Biology, Warsaw, Poland	Mapping the transport pathway of APE1 into the mitochondrial matrix
Vitiello, Marianna	Italian	Tuscan Tumor Institute, Pisa, Italy	Gravekamp, Caudia	Albert Einstein College of Medicine, New York, United States	<i>Listeria monocytogenes</i> as a new therapeutic tool against metastatic melanoma
Volpe, Veronica	Italian	University of Turin, Italy	Thevelein, Johan	Flanders Interuniversity Institute for Biotechnology, University of Leuven, Belgium	Characterization of transceptor activity of two legume phosphate transporters
Hikita, Takao	Japanese	Max-Planck-Institute for Heart and Lung Research, Bad Nauheim, Germany	Matsuda, Michiyuki	Kyoto University, Japan	Analysis of planar cell polarity in endothelial homeostasis
Shrestha, Ketan	Nepali	Hebrew University of Jerusalem, Rehovot, Israel	Inforzato, Antonio	Humanitas Clinical and Research Center, Milan, Italy	Effects of varying extracellular matrix constituents on the ovulatory process
Ambrin, Fatima	Pakistani	National Institute for Biotechnology and Genetic Engineering, Faisalabad, Pakistan	Tommerup, Niels	University of Copenhagen, Denmark	Molecular characterization of multiplex schizophrenia families from Pakistan

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Focht, Dorota	Polish	Aarhus University, Denmark	Javitch, Jonathan A.	New York State Psychiatric Institute, United States	Investigation of the binding site specificity and functional characterization of bacterial homologue of neurotransmitter:sodium symporters - MhsT
Górna, Maria Wiktoria	Polish	University of Warsaw, Poland	De Moraes, Isabel	Membrane Protein LaboratoryDiamond Light Source Ltd, Didcot, United Kingdom	Structural studies of human mitochondrial proteins from the FASTKD family
Gruszka, Dominika	Polish	University of Cambridge, United Kingdom	Schuler, Ben	University of Zurich, Switzerland	Tandem repeat proteins and their propensity for misfolding
Gumowski, Krzysztof	Polish	University of Gdansk, Poland	Hartl, Ulrich	Max Planck Institute of Biochemistry, Martinsried, Germany	Substrate specificity of Hsp104 chaperone
Heberlein, Magdalena	Polish	Westfalian Wilhelms University, Münster, Germany	Hollfelder, Florian	University of Cambridge, United Kingdom	Evolution of substrate specificity in the alkaline phosphatase superfamily
Kisiel, Magdalena	Polish	Wroclaw Medical University, Poland	Sivilotti, Lucia	University College London, United Kingdom	Structural determinants and the impact of neurosteroids on preactivation transitions in GABAA receptor
Kosinski, Jan	Polish	European Molecular Biology Laboratory, Heidelberg, Germany	Sali, Andrej	University of California, San Francisco, United States	Interactive graphical modeling framework for integrative structural biology
Magiera, Maria	Polish	Curie Institute, Orsay, France	Harkany, Tibor	University of Vienna, Austria	Posttranslational modifications of tubulin in human neurodegenerative diseases
Perycz, Malgorzata	Polish	Institute of Biochemistry and Biophysics, Polish Academy of Sciences, Warsaw, Poland	Lynch, Jeremy	University of Illinois at Chicago, United States	DNA methylation and demethylation machinery gene knock out in Nasonia insect model with Cas9 and TALENs gene editing systems
Pirzgalska, Roksana	Polish	Gulbenkian Science Institute, Oeiras, Portugal	Glass, Christopher	University of California, San Diego, United States	The neuro-adipose connection and its immune regulators
Pitruska, Róża	Polish	Warsaw University of Technology, Poland	Ludwig, Christian	University of Birmingham, United Kingdom	NMR spectroscopic metabolism analysis of MAF1 deletion yeast strain
Pluta, Paula	Polish	Center for Cooperative Research in Biosciences, Derio, Spain	Cooper, Jonathan B.	University College London, United Kingdom	Structural characterization of the multistep catalytic mechanism of porphobilinogen deaminase
Skalska, Urszula	Polish	Institute of Rheumatology, Warsaw, Poland	Jorgensen, Christian	Institute for Regenerative Medicine and Biotherapy, Montpellier, France	Research on the effects of mesenchymal stem cells (MSCs) on rheumatoid Th17/Treg cells function and metabolic program
Socha, Magdalena	Polish	Poznan University of Medical Sciences, Poland	Spielmann, Malte	Charité University, 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)

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Sulkowska, Aleksandra	Polish	University of Warsaw, Poland	Silhavy, Daniel	National Agricultural and Innovation Center, Agricultural Biotechnology Institute, Godollo, Hungary	Identification of new factors involved in plant NMD
Szarzynska- Zawadzka, Bronisława	Polish	Institute of Human Genetics Polish, Academy of Sciences, Poznan, Poland	Kulozik, Andreas E.	University Medical Center for Children and Adolescents, Heidelberg, Germany	Pediatric T-cell acute lymphoblastic leukemia at diagnosis and relapse: genetic and epigenetic characteristics
Zabczynska, Marta	Polish	Jagiellonian University, Krakow, Poland	Pucic Bakovic, Maja	Genos Glycoscience Research Laboratory, Zagreb, Croatia	Glycosylation of serum glycoproteins in Hashimoto thyroiditis
Figueiredo Costa, Bruna Guiomar	Portuguese	Institute of Neuroscience of the National Research Council, Milan, Italy	Rapaport, Doron	University of Tübingen, Germany	Analysis of the intracellular targeting of spontaneously inserting tail-anchored proteins
Goncalves, Emanuel	Portuguese	European Bioinformatics Institute, Wellcome Trust Genome Campus Hinxton, United Kingdom	Sauer, Uwe	Institute of Molecular Systems Biology, Swiss Federal Institute of Technology Zurich, Switzerland	Systematic characterization of dynamic metabolic changes and inferring the signalling regulatory pathways in <i>Saccharomyces cerevisiae</i>
Loureiro, Joana	Portuguese	Institute of Molecular and Cell Biology, Porto, Portugal	Heutink, Peter	German Center for Neurodegenerative Diseases, Tübingen, Germany	RNA-mediated pathogenic pathways in neurodegeneration
Moreira, Ricardo	Portuguese	New University of Lisbon, Oeiras, Portugal	Van Dijk, Patrick	Flanders Interuniversity Institute for Biotechnology, University of Leuven, Belgium	Studies on BoIA role in microbial biofilm development using in vivo bioluminescence in a mouse system
Neto, Estrela	Portuguese	Institute of Biomedical Engineering, Porto, Portugal	West, Jonathan	University of Southampton, United Kingdom	One4all: microfluidic single-cell co-cultures to address bone innervation
Oliveira, Rute	Portuguese	Institute of Molecular and Cell Biology, Porto, Portugal	Buttner, Mark	The John Innes Centre, Norwich, United Kingdom	Role and molecular mechanisms of a novel ECF sigma factor: identification of SigG regulon
Pereira Pereira, Branca Isabel	Portuguese	University College London, United Kingdom	Campisi, Judith	Buck Institute for Research on Aging, Novato, United States	Interaction between the immune system and senescent cells
Chimerel, Catalin	Rumanian	University of Cambridge, United Kingdom	Rabot, Sylvie	Micalis Institute, Paris, France	The role of the bacterial metabolite indole in the modulation of GLP-1 secretion from enteroendocrine cells in vivo
Gabdulkhakov, Azat	Russian	Institute of Protein Research, Pushchino, Russian Federation	Betzel, Christian	Hamburg University, Germany	Investigation of the protein-pigment interactions in bacterial photosynthetic reaction center

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Kirillova, Anastasia	Russian	Lomonosov Moscow State University, Moscow, Russian Federation	Technau, Ulrich	University of Vienna, Austria	Developmental potential of blastomeric aggregates in germ layer and axis formation of <i>Nematostella vectensis</i>
Lomakina, Maria	Russian	N.N. Blokhin Russian Cancer Research Center of Ministry of Health of Russian Federation, Moscow, Russian Federation	Gautreau, Alexis	Ecole Polytechnique, Palaiseau, France	Role of novel Rac effectors in the control of persistence of cell migration
Ivani, Ivan	Serbian	Institute for Research in Biomedicine, Barcelona, Spain	Kool, Eric T.	Stanford University, United States	Base stacking parameterization of DNA force fields for MD simulations by means of experimental and theoretical methods
Lavrnja, Irena	Serbian	University of Belgrade, Serbia	Jagodic, Maja	Karolinska Institute, Stockholm, Sweden	Time- and spatial-dependent miR-21 expression in the CNS during experimental autoimmune encephalomyelitis
Matic, Stanka	Serbian	Max Planck Institute for Biology of Ageing, Cologne, Germany	Filipovska, Aleksandra	Harry Perkins Institute of Medical Research, Perth, Australia	The structure and organization of the mitochondrial genome
Bosikova Pavukova, Eva	Slovakian	Institute of Animal Biochemistry and Genetics Slovak Academy of Sciences, Ivanka pri Dunaji, Slovakia	Rlebel, Katharina	University Medical Center, Leiden, The Netherlands	Cognitive abilities of songbirds
Porubsky, David	Slovakian	University Medical Center Groningen, Netherlands	Marschall, Tobias	Max Planck Institut for Informatics, Algorithms for Computational Genomics Saarbrücken, Germany	Use of single-cell strand sequencing and long-read technologies to phase diploid genomes
Pegan, Katarina	Slovenian	Jozef Stefan Institute, Ljubljana, Slovenia	Vandenabeele, Peter	Flanders Interuniversity Institute for Biotechnology, Ghent University, Belgium	Tempol interferes with TNF-alpha-induced signal transduction
Vittori, Milos	Slovenian	National Institute of Biology, Ljubljana, Slovenia	van Noorden, Cornelis J. F.	University of Amsterdam, The Netherlands	Correlation of in vivo observation and in toto 3D imaging of glioblastoma development in zebrafish embryos
Zupancic, Eva	Slovenian	University of Lisbon, Portugal	Jung, Steffen	Weizmann Institute of Science, Rehovot, Israel	Dendritic cells targeted nanoplateforms
du Plessis, Juanelle	South African	Stellenbosch University, Cape Town, South Africa	Wigneshweraraj, Sivaramesh	Imperial College, London, United Kingdom	Structure, function and inhibition of RNA polymerase in mycobacterium tuberculosis
Moses, Stacey	South African	University of Cape Town, South Africa	BattleMorera, Laura	Centre for Genomic Regulation, Barcelona, Spain	Identifying the precise molecular pathogenesis underlying the disease phenotype in individuals carrying a mutation in the spliceosomal factor, PRPF8

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Alert, Ricard	Spanish	University of Barcelona, Spain	Prost, Jacques	Curie Institute, Paris, France	Active hydrodynamics of epithelial tissues
Allepuz Fuster, Paula	Spanish	University of Salamanca, Spain	Hampsey, Michael	Rutgers University, New-Brunswick, United States	Could RNAP II regulate transcription by itself? Role of Rpb4/7 in gene looping
Álvarez Álvarez, Vanesa	Spanish	Cancer Research Center, Salamanca, Spain	Ulrich, Helle	Institute of Molecular Biology, Mainz, Germany	Study of PCNA deubiquitylases in <i>Schizosaccharomyces pombe</i>
Amador Cubero, Adilia Suyapa	Spanish	Center for Genomics and Oncological Research, Granada, Spain	Cristofari, Gael	University of Nice – Sophia-Antipolis, France	Identification of LINE-1 interactors in pluripotent cells
Angulo Urarte, Ana	Spanish	Duran i Reynals Hospital, L'Hospitalet de Llobregat, Spain	Affolter, Markus	University of Basel, Switzerland	Role of p110alpha/PI3K isoform in actin dynamics and vascular anastomosis
Armengot Martínez, Laia	Spanish	École Normale Supérieure de Lyon, France	Mukhtar, Shahid M.	The University of Alabama, Birmingham, United States	Interactomic approach to study the role of Membrane Associated Kinase Regulators (MAKRs) in plants
Barniol Xicota, Marta	Spanish	University of Barcelona, Spain	DeGrado, William F.	University of California, San Francisco, United States	Ion channels as drug targets: Influenza A V27A-S31N M2 protein characterisation
Bullich, Gemma	Spanish	Puigvert Foundation, Barcelona, Spain	Giles, Rachel H.	University Medical Center Utrecht, The Netherlands	Functional study on the <i>tmem104</i> gene and its potential involvement in the etiology of autosomal dominant tubulointerstitial kidney disease
Caballo, Eloy	Spanish	Institute for Mediterranean and Subtropical Horticulture La Mayora, Málaga, Spain	Venturi, Vittorio	International Centre for Genetic Engineering and Biotechnology, Trieste, Italy	Bacteria-bacteria molecular interactions within the olive knot microbiome
Calvo Sánchez, María Inmaculada	Spanish	Ramon y Cajal Biomedical Research Institute, Ramón y Cajal University Hospital, Madrid, Spain	Meehan, Richard	University of 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
Cárdenas Castelló, Adrián	Spanish	Miguel Hernández University, Alicante, Spain	Milinkovitch, Michel	University of Geneva, Switzerland	Study of neurogenesis in reptiles using in ovo electroporation
Covalada Cortés, Giovanni	Spanish	University of Barcelona, Cerdanyola del Vallés, Spain	Capelo Martínez, José Luis	New University of Lisbon, Portugal	Development of probes for molecular imaging of human thrombin-activable fibrinolysis inhibitor 'TAFI'
Cubas Gaona, Liliana Lilibeth	Spanish	National Center for Biotechnology, Madrid, Spain	García-Sastre, Adolfo	Mount Sinai School of Medicine, New York, United States	Interaction between TRIM25 and MDA5 in chicken cells and their role in mediated antiviral activity upon IBDV infection
Díaz-Trivino, Sara	Spanish	Wageningen University, Netherlands	Paz-Ares, Javier	National Center for Biotechnology, Madrid, Spain	Developmental responses to phosphate starvation

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Domingo Prim, Judith	Spanish	Stockholm University, Sweden	Marfany Nadal, Gemma	University of Barcelona, Spain	Sumoylation of EXOSC10 and its role in DNA repair
Estarellas, Carolina	Spanish	University of Barcelona, Spain	Gervasio, Francesco Luigi	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?
Fabregas Vallve, Norma	Spanish	Center for Research in Agricultural Genomics, Barcelona, Spain	Fernie, Alisdair	Max Planck Institute of Molecular Plant Physiology, Golm, Germany	Metabolic profiling of the drought-resistant aquad plants
Fañan Labora, Juan Antonio	Spanish	University of A Coruña, Spain	van de Loo, Fons A. J.	Radboud University Medical Centre, Nijmegen, The Netherlands	Effect of ageing on the anti-inflammatory potential of mesenchymal stem cells derived exosomes
Fernandez, Julia	Spanish	University of Madrid, Spain	Kozlova, Elena N.	Uppsala University, Sweden	The dorsal root angioarchitecture in intact rodents and following injury and regenerative strategies
Flores de los Heros, Africa	Spanish	Pompeu Fabra University, Barcelona, Spain	Herry, Cyril	Magendie Neurocenter, Bordeaux, France	Neuroanatomical and optogenetic studies to evaluate the role of orexins in fear memory strengthening
García Pardo, Javier	Spanish	University of Barcelona, Bellaterra, Spain	Blundell, Tom	University of Cambridge, United Kingdom	Structural characterization of the full-length human carboxypeptidase D
García-Negredo, Gloria	Spanish	University of Barcelona, Spain	Pedarzani, Paola	University College London, United Kingdom	Deciphering the role of calmodulin and Homer proteins in the mGlu5 receptor-SK2 ion channel interaction
Gomez Ariza, Jorge	Spanish	University of Milan, Italy	San Segundo de los Mozos, Blanca	Centre for Research in Agricultural Genomics, Barcelona, Spain	Molecular impact of pathogenic and symbiotic fungi on rice flowering
Gonzalez Almela, Esther Maria	Spanish	Center of Molecular Biology Severo Ochoa, Madrid, Spain	Castello, Alfredo	University of Oxford, United Kingdom	Interactome determination of sindbis virus mRNAs
Gonzalez Terán, Bárbara	Spanish	Spanish National Centre for Cardiovascular Research, Madrid, Spain	Olson, Eric	University of Texas Southwestern Medical Center, Dallas, United States	Role of p38 MAPK pathway in cardiac regeneration
González, Silvia	Spanish	Institute of Biomedical Research Alberto Sols, Madrid, Spain	Söhnlein, Oliver	Ludwig Maximilians University, Munich, Germany	Molecular role of nod1 in early atherosclerosis development
Jauset Rubio, Miriam	Spanish	Rovira i Virgili University, Tarragona, Spain	Roth, Günter	Albert Ludwig University Freiburg, Germany	Selection of aptamers by Aptaswift SELEX
Lemus, Leticia	Spanish	University of Seville, Spain	Reggiori, Fulvio	University Medical Center Groningen, The Netherlands	Investigating intracellular membrane-bound structures involved in protein degradation on an ultrastructural level using different electron microscopy techniques

EMBO Short-Term Fellowships awarded in 2015

Name	Nationality	Home laboratory	Group leader	Host laboratory	Project
Lerma-Usabiaga, Garikoitz	Spanish	Basque Center on Cognition, Brain and Language, Donostia, Spain	Wandell, Brian A.	Stanford University, United States	Structure and function of the brain reading networks
Lobo Pecellín, María	Spanish	Pablo de Olavide University, Seville, Spain	Raff, Jordan	Sir William Dunn School of Pathology, University of Oxford, United Kingdom	In vivo analysis of Germline Stem Cell (GSC) proliferation: a role for the extracellular matrix (ECM) in ovary homeostasis
Lopez-Montero, Noelia	Spanish	National Center for Biotechnology, Madrid, Spain	Enninga, Jost	Pasteur Institute, Paris, France	Large volume CLEM reconstruction of membranous aggregates induced by non-growing intracellular Salmonella in fibroblasts in the context of phagosome integrity
Madrigal Verdú, Pilar	Spanish	CEU Cardenal Herrera University, Valencia, Spain	Laman, Heike	University of Cambridge, United Kingdom	Physical and functional interaction between the Parkinson's disease protein Fbxo7/PARK15 and the small GTPase RhoE
Manrique, Silvia	Spanish	University of Milan, Italy	Franks, Robert	North Carolina State University, Raleigh, United States	Role of the complex between SEEDSTICK, a MADS box transcription factor, and histone deacetylase 19 (HDA19) in ovule development in Arabidopsis thaliana
Marco Brualla, Joaquín	Spanish	University of Zaragoza, Spain	Villalba, Martín	Institute for Regenerative Medicine and Biotherapy, Montpellier, France	Human tumor metabolism and sensitivity to CTL and NK cells
Martín-Maestro Rojas, Patricia	Spanish	University of Madrid, Spain	Arancio, Ottavio	Columbia University, New York, United States	Generation of patient's iPSC-derived neurons for the study of mitophagy alterations in Alzheimer pathology
Martínez de Pablos, Rocío	Spanish	University of Seville, Spain	Deierborg, Tomas	Wallenberg Neuroscience Center, Lund, Sweden	Tuning methods in microglia primary cultures for studying changes in polarization of microglial cells in response to glucocorticoid treatment through expression of the glycoproteins WNTs
Martínez Fernández, Verónica	Spanish	University of Jaen, Spain	Lefebvre, Olivier	Institute of Biology and Technology Saclay, Gif-sur-Yvette, France	Analysing the role of Bud27 in the RNA pol III transcription in Saccharomyces cerevisiae
Martínez Martínez, Gonzalo	Spanish	National Center for Biotechnology, Madrid, Spain	Rubio, Ignacio	University Hospital Friedrich Schiller University, Jena, Germany	Study of Ras activation in DGK deficient cytotoxic lymphocytes
Martinez Solis, Maria	Spanish	University of Valencia, Spain	Heckel, David G.	Max Planck Institute for Chemical Ecology, Jena, Germany	Functional study of two forms of ABCB2 transporter from the Lepidoptera Spodoptera exigua involved in resistance to Bt toxins

EMBO Short-Term Fellowships awarded in 2015

Name	Nationality	Home laboratory	Group leader	Host laboratory	Project
Molinos-Albert, Luis Manuel	Spanish	Germans Trias i Pujol University Hospital, Badalona, Spain	Zwick, Michael B.	The Scripps Research Institute, La Jolla, United States	Molecular characterization of monoclonal antibodies directed against the gp41 Membrane-Proximal External Region of the Human Immunodeficiency Virus-I, isolated from chronically-infected individuals and immunized animal
Montoliu-Gaya, Laia	Spanish	University of Barcelona, Spain	Veerhuis, Rob	VU University Medical Center, Amsterdam, The Netherlands	Study of the effects of the scFv-h3D6 in Abeta aggregation and cellular uptake, alone or in combination with apolipoproteins E and J
Muñoz-Hernandez, Rocio	Spanish	University Hospital Virgen del Rocío, Seville, Spain	Melero-Martin, Juan	Harvard Medical School, Boston Children's Hospital, United States	Microfluidic isolation of endothelial colony- forming cells from adult peripheral blood
Pazo-Fernández, Alejandra	Spanish	National Center for Biotechnology, Madrid, Spain	Goda, Yukiko	RIKEN Brain Science Institute, Wako-Shi, Saitama, Japan	Determining the role of the hCLE-Fam98B- HSPC117-DDX1 complex in the dendritic local translation of mRNAs in neurons
Perez-Rando, Marta	Spanish	University of Valencia, Spain	Holtmaat, Anthony	University of Geneva, Switzerland	Fluoxetine-induced structural plasticity in the mouse cerebral cortex in vivo
Pesarrodoná, Mireia	Spanish	University of Barcelona, Spain	Rinas, Ursula	Life Science University of Hannover, Germany	Active FNI/II/V-p31-H6 and FNI/II/V- Omomyc-H6 protein purification from Inclusion bodies
Ramírez Muñoz, Rocio	Spanish	University of Madrid, Spain	Krummel, Matthew F.	University of California, San Francisco, United States	Dynamic regulation of the actin cytoskeleton by slingshots at the immune synapse during T cell activation
Requena Soria, David	Spanish	Center of Molecular Biology Severo Ochoa, Madrid, Spain	Mann, Richard S.	Columbia University Medical Center, New York, United States	Wing primordium specification in Drosophila
Rodríguez-Ubreva, Javier	Spanish	Bellvitge Biomedical Research Institute, Barcelona, Spain	Kelsey, Gavin	The 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
Ruiz, Rubén	Spanish	Ramon Llull University, Barcelona, Spain	Shu, Xiaokun	University of California, San Francisco, United States	On the trail of improved genetically encoded Singlet Oxygen Generators
Sanchez-Iranzo, Hector	Spanish	Spanish National Centre for Cardiovascular Research, Madrid, Spain	Azuaje, Francisco	Luxembourg Institute of Health, Luxembourg	Characterization of fibroblast heterogeneity through transcriptomic analysis of a newly established fibroblast marker line during zebrafish heart regeneration
Sanz Sender, Silvia	Spanish	Institute for Global Health, Barcelona, Spain	Dinglasan, Rhoel	Johns Hopkins University School of Medicine, Baltimore, United States	Function and mechanism of O-fucosylation of malaria parasite TSR-domain proteins

EMBO Short-Term Fellowships awarded in 2015

Name	Nationality	Home laboratory	Group leader	Host laboratory	Project
Senserrich Velasco, Jordi	Spanish	University of Edinburgh, United Kingdom	Graupera, Mariona	Bellvitge Biomedical Research Institute, Barcelona, Spain	Role of CD41-derived endothelial stem cell/ progenitor population in physiological and tumoral angiogenesis
Soria-Bretones, Isabel	Spanish	Andalusian Center for Molecular Biology and Regenerative Medicine, Seville, Spain	Soutoglou, Evi	Institute of Genetics and Molecular and Cellular Biology, Strasbourg, France	Role of sumoylation-dependent nuclear localization of CtIP in homologous recombination and DNA repair
Stinus Ruiz de Gauna, Sonia	Spanish	University Medical Center Groningen, Netherlands	Luke, Brian	Institute of Molecular Biology, Mainz, Germany	Assessing the in vivo role of G-quadruplex formation at yeast telomeres
Urríos García, Arturo	Spanish	Pompeu Fabra University, Barcelona, Spain	Folch, Albert	University of Washington, Seattle, United States	3D-printed microfluidic devices for implementation of biological logic circuits
Valdeolivas Rojas, Sara	Spanish	University of Madrid, Spain	McCormick, Peter	University of East Anglia, Norwich, United Kingdom	CB2 receptor heteromerization in cellular and murine models of Dravet syndrome
Varela Guruceaga, Maider	Spanish	University of Navarra, Pamplona, Spain	Le Lay, Soazig	University of Angers, France	Regulation of caveolae formation by intermittent hypoxia and the effect in endothelial nitric oxide synthase signaling
Vázquez-Marín, Javier	Spanish	Pablo de Olavide University, Seville, Spain	Wittbrodt, Joachim	Centre of Organismal Studies, Heidelberg, Germany	Analysis of YAP/TAZ-dependent transcriptional response during epithelial morphogenesis in teleost embryos
Yeramian Hakim, Andree	Spanish	Biomedical Research Institute of Lleida, Spain	Fajas Coll, Lluís	University of Lausanne, Switzerland	Metabolomic profiles of endometrial carcinoma
Hunziker, Mirjam	Swiss	The Rockefeller University, New York, United States	Tollervey, David	Wellcome Trust Centre for Cell Biology, University of Edinburgh, United Kingdom	High resolution mapping of the RNA binding site of UtpA
Pfammatter, Manuela	Swiss	University Hospital of Zurich, Switzerland	Knowles, Tuomas	University of Cambridge, United Kingdom	Development of a digital amyloid amplification assay for the ultrasensitive detection and quantification of amyloid aggregates
Kao, Cheng-Fu	Taiwanese	Institute of Cellular & Organismic Biology, Academia Sinica, Taipei, Taiwan	Ulrich, Helle	Institute of Molecular Biology, Mainz, Germany	The function of histone H2B mono- ubiquitylation in modulating DNA damage tolerance
Lee, Dian-Jang	Taiwanese	Ludwig Maximilian University of Munich, Germany	Pooga, Margus	University of Tartu, Estonia	Cell entry and Intracellular Trafficking of Oligoaminoamide-based Polycationic siRNA Vectors
Lin, Tien-chen	Taiwanese	German Cancer Research Center, Heidelberg, Germany	Robert, Arkowitz	University of Nice – Sophia-Antipolis, France	Functional characterization of Mzt1 in <i>C. albicans</i>
Erdil, Ertunc	Turkish	Sabancı University, Istanbul, Turkey	Israely, Inbal	Champalimaud Centre for the Unknown, Lisbon, Portugal	Probabilistic and machine learning-based Methods for automatic dendritic spine detection and analysis in microscopy images

EMBO Short-Term Fellowships awarded in 2015

Name	Nationality	Home laboratory	Group leader	Host laboratory	Project
Kilinc, Gulsah Merve	Turkish	Middle East Technical University, Ankara, Turkey	Jakobsson, Mattias	Uppsala University, Sweden	Archaeogenomics in the Near East: Method development and population genomic analysis for studying the rise of Neolithic Culture in its core region
Piven, Oksana	Ukrainian	Institute of Molecular Biology and Genetics, Kyiv, Ukraine	Winata, Cecilia	International Institute of Molecular and Cell Biology, Warsaw, Poland	Eluciating the signaling function of b-catenin and plakoglobin in heart development using genome-wide ChIP-seq
Pyrshchak, Kyrylo	Ukrainian	Palladin Institute of Biochemistry of the National Academy of Sciences of Ukraine, Kyiv, Ukraine	Csucs, Gabor	ScopeM, Swiss Federal Institute of Technology Zurich, Switzerland	Studying of the local changes in plasma membrane lipid order and viscosity of living and apoptotic cells with a new FRET sensor system
Adams, Rebecca	US American	Vanderbilt University Medical Center, Nashville, United States	Tollervey, David	Wellcome Trust Centre for Cell Biology, University of Edinburgh, United Kingdom	RNA interaction analysis of the multifunctional RNA-dependent ATPase S. cerevisiae Dbp5
Drapek, Colleen	US American	Duke University, Durham, United States	Geldner, Niko	University of Lausanne, Switzerland	Defining a minimal gene network to root endodermis differentiation
Kirigin, Francis	US American	New York University Langone Medical Center, New York, United States	Bork, Peer	European Molecular Biology Laboratory, Heidelberg, Germany	Functional and metabolic characterization of microbial co-occurrence networks
Kvikstad, Erika	US American	The Wellcome Trust Centre for Human Genetics, University of Oxford, United Kingdom	MacArthur, Daniel	The Broad Institute of MIT and Harvard, Cambridge, United States	Large-scale targeted mobilome sequencing to assess the disease-risk of transposable elements (TEs)
Miguel, Amanda	US American	Stanford University, United States	Typas, Nassos	European Molecular Biology Laboratory, Heidelberg, Germany	Expanding the phenotypic landscape of bacterial chemical genomics through genetic perturbations to cell morphology
Steinbrenner, Adam	US American	University of California, Berkeley, United States	Zipfel, Cyril	The Sainsbury Laboratory, Norwich, United Kingdom	Identification of a legume-specific receptor for the herbivore-derived peptide elicitor, inceptin
Dangarembizi, Rachael	Zimbabwean	University of the Witwatersrand, Johannesburg, South Africa	Rummel, Christoph	Justus Liebig University Giessen, Germany	The anti-inflammatory effects of <i>Perlaetium sidoides</i> extracts on neuroglial cells stimulated with lipopolysaccharide and <i>Brewer's</i> yeast

ERS | EMBO joint fellowships awarded in 2015

Name	Nationality	Home laboratory	Group leader	Host laboratory	Project
Boeck, Lucas	Austrian	University Hospital Basel, Switzerland	Floto, Andres	University of Cambridge, United Kingdom	Identification and characterization of efflux pumps in Mycobacterium abscessus
Froidure, Antoine	Belgian	Catholic University of Louvain, Brussels, Belgium	Crestani, Bruno	University of Paris Diderot, France	Transcriptional control of lung fibroblast phenotype in idiopathic pulmonary fibrosis

EMBO Short-Term Fellowships 2015: Geographical distribution

Applications

To	From*	Austria	Belgium	Croatia	Czech Republic	Denmark	Estonia	Finland	France	Germany	Greece	Hungary	Iceland	Ireland	Israel	Italy	Luxembourg	Netherlands	Norway	Poland	Portugal	Slovak Republic	Slovenia	Spain	Sweden	Switzerland	Turkey	UK	EMBL	Eastern Europe	USA/Canada	Others	Total
Austria									1					1				1						1						1			5
Belgium																3		2			1		1	1				1				4	13
Croatia																				1													1
Czech Republic										1						1														2			4
Denmark				1				1								1								1	1			1				5	11
Estonia									1																								1
Finland												1																1					2
France			2							2		1			1	3		1		1	1		2	16			2	4		3		14	53
Germany	2						2	1			1	2		1	1	5		3		4	2		1	14	1	1	1	2		3	3	26	76
Greece																																	0
Hungary							1									1		1		1													4
Iceland																																	0
Ireland																								1								4	5
Israel								1	1												1							1			2		6
Italy			1						1	1	2			1	2			1			1			4		1	3		3			7	28
Luxembourg																								1									1
Netherlands								1						1		5						1	1	7				1			1	3	21
Norway									1							1								1						1			4
Poland												1				1														2			4
Portugal								1																2			1	1				3	8
Slovak Republic																																	0
Slovenia																								1									1
Spain				1			1	1	1	1						3		3						2	1		1	1				17	33
Sweden									3	1				1				1		1	2		1	3			1	1		1		4	20
Switzerland	1	1			2		1	1	1			1			1	5		1	1					5				4	1	2	1	5	34
Turkey																																	0
UK	1	2		4	1			3	3	4	3				2	11		3		6	3			25	1	1	1			2	4	20	100
EMBL				1					1	1						2									1			1	1		4		12
Eastern Europe																																	0
USA/Canada	2	1	1		4			6	6	3				4	3	11		4		1	2			28	1	4	1	8	1				91
Others				1					4	1					1	2				3	1	1		5									19
Total		6	7	1	8	7	0	5	17	25	14	11	0	9	11	55	0	21	1	18	14	2	6	118	6	7	8	30	3	20	15	112	557

* "From" refers to home laboratory (see list on pages 54 – 77)

EMBO Short-Term Fellowships 2015: Geographical distribution

Awards

To	From*	Austria	Belgium	Croatia	Czech Republic	Denmark	Estonia	Finland	France	Germany	Greece	Hungary	Iceland	Ireland	Israel	Italy	Luxembourg	Netherlands	Norway	Poland	Portugal	Slovak Republic	Slovenia	Spain	Sweden	Switzerland	Turkey	UK	EMBL	Eastern Europe	USA/Canada	Others	Total
Austria									1					1				1												1			4
Belgium																3					1		1					1				1	7
Croatia																				1													1
Czech Republic																														1			1
Denmark				1																					1							4	7
Estonia										1															1								1
Finland																											1						1
France		1								1		1			1	2				1				9		1	3		1		1	1	22
Germany	1						1	1		1	1				1	5		2		3	1			8	1	1		1		1		10	39
Greece																																	0
Hungary																1		1		1													3
Iceland																																	0
Ireland																																	0
Israel								1													1						1			1			4
Italy		1									2		1	2							1			1		1		2				2	13
Luxembourg																								1									1
Netherlands								1								2						1	1	5									10
Norway									1																								1
Poland																1														1			2
Portugal								1																1		1	1					2	6
Slovak Republic																																	0
Slovenia																																	0
Spain							1	1								1		2							1			1				5	12
Sweden									1	1								1						2			1	1		1		2	10
Switzerland	1	1			1		1	1			1			1	3		1							4			4	1	1	1	2		24
Turkey																																	0
UK		2		3			1	3	1	1				2	7					3	3			14	1	1	1				3	9	55
EMBL				1					1																			1			4		7
Eastern Europe																																	0
USA/Canada	1		1		3			3	3	2				2	7		1			1	1			15	1	2	6	1					50
Others					1				3					1	1									1									7
Total		3	5	1	6	4	0	3	11	14	5	6	0	2	10	33	0	9	0	10	8	1	2	61	5	5	4	24	2	7	9	38	288

*“From” refers to home laboratory (see list on pages 54 – 77)

EMBO Young Investigators

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

yip@embo.org

Launched in 2000, the programme has supported 342 scientists in 19 EMBC Member States. Researchers from Singapore and Taiwan have joined the programme due to cooperation agreements signed in 2011 and 2012, 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 2015

Name	Nationality	Institute	Research interest	Country
Andrea Alimonti	Italian	Oncology Institute of Southern Switzerland (IOSI), Bellinzona	Mechanisms of senescence evasion in cancer	CH
Marek Basler	Czech	Biocentre, University of Basel, Basel	Function of bacterial Type VI secretion systems	CH
Isabel Bäurle	German	Institute of Biochemistry and Biology, University of Potsdam, Potsdam	Plant epigenetics and stress adaptation	DE
Priscille Brodin	French	Institute Pasteur, Lille	Interaction of mycobacteria with host cells	FR
Clemens Cabernard	Swiss	Biocentre, University of Basel, Basel	Cellular dynamics during asymmetric cell division	CH
Karin De Visser	Dutch	Netherlands Cancer Institute, Amsterdam	Breast cancer metastasis & the immune system	NL
Thijs Ettema	Dutch	Uppsala University, Uppsala	Resolving the origin of eukaryotes	SE
Ana Eulalio	Portuguese	Institute for Molecular Infection Biology, Würzburg	miRNAs in host-pathogen interaction	DE
Pablo Huertas	Spanish	Andalusian Molecular Biology and Regenerative Medicine Centre (CABIMER), Sevilla	Regulation of DNA double strand break repair	ES
Matteo Iannaccone	Italian	IRCCS San Raffaele Scientific Institute, Milano	In vivo imaging of antiviral immune responses	IT
Shalev Itzkovitz	Israeli	Weizmann Institute of Science, Rehovot	Systems biology of mammalian tissues	IL
Martin Jinek	Czech	University of Zurich, Zurich	RNA biology and genome editing	CH
Nolwenn Jouvenet	French	Institute Pasteur, Paris	Viral attenuation and pathogenesis	FR
Chiea Chuen Khor	Singaporean	Genome Institute of Singapore, A*STAR, Singapore	Heritable basis of complex diseases	SG
Romain Koszul	French	Institute Pasteur, Paris	Chromosome dynamics	FR
Yogesh Kulathu	Indian	MRC Protein Phosphorylation & Ubiquitylation Unit, University of Dundee, Dundee	Ubiquitin signalling mechanisms	UK
Gaëlle Legube	French	Center for Integrative Biology in Toulouse, Paul Sabatier University, Toulouse	Chromatin function in DNA double strand break repair	FR
Naoko Mizuno	Japanese	Max Planck Institute of Biochemistry, Martinsried	Microtubule-mediated cellular communication	DE
Paola Picotti	Italian	ETH Zurich, Zurich	Functional & pathological protein aggregation	CH
Nicolas Plachta	Singaporean	Institute of Molecular and Cell Biology A*STAR, Singapore	Imaging mammalian development	SG
Jochen Rink	German	Max-Planck-Institute of Molecular Cell Biology & Genetics, Dresden	Mechanisms & evolution of planarian regeneration	DE
Robert Ryan	Irish	University of Dundee, Dundee	Signalling in chronic bacterial infections	UK
Alessandro Vannini	Italian	Institute of Cancer Research, London	RNA polymerase III gene transcription	UK

Adams, Ralf	Cavallé, Jérôme	Gerhardt, Holger	Keays, David	Martin-Bermudo,	Peters, Jan-Michael	Silva-Santos, Bruno
Agami, Reuven	Chin, Jason	Gerlich, Daniel	Ketting, René	Maria Dolores	Petronczki, Mark	Simons, Mikael
Ahel, Ivan	Chiti, Fabrizio	Wolfram	Khakh, Baljit	Martin-Serrano,	Philpott, Dana	So, Eric
Allain, Frédéric	Choudhary,	Gil, Jesus	Klaholz, Bruno	Juan	Pierre, Philippe	Sorek, Rotem
Alon, Uri	Chunaram	Ginhoux, Florent	Klose, Robert	Martin, Sophie	Pilpel, Yitzhak	Sourjik, Victor
Amit, Ido	Christoforidis,	Glotzer, Michael	Knoblich, Jürgen	Martinez, Javier	Poirazi, Panayiota	Soutoglou, Evi
Antonny, Bruno	Savvas	Gönczy, Pierre	Köhler, Claudia	Más, Paloma	Polo, Simona	Spahn, Christian
Arber, Silvia	Clausen, Tim	González-Reyes,	Komander, David	Mathieu, Olivier	Posas, Francesc	Spang, Anne
Arkowitz, Robert	Collinson, Ian	Acaimo	Kondrashov, Fyodor	Mattevi, Andrea	Potente, Michael	Sprecher, Simon
Arribas, Joaquin	Conradt, Barbara	Gotta, Monica	Konieczny, Igor	Mazzone,	Prud'homme,	Stancheva, Irina
Ashe, Hilary	Corona, Davide	Grill, Stephan	Kraft, Claudine	Massimiliano	Benjamin	Stark, Alexander
Asher, Gad	Cortés Ledesma,	Groth, Anja	Kunji, Edmund	Mehlen, Patrick		Stock, Daniela
Averof, Michalis	Felipe	Grunwald Kadow,		Meier, Pascal	Radtké, Freddy	Sträßer, Katja
Azzalin, Claus	Cosma, Maria Pia	Ilona	Labib, Karim	Meraldi, Patrick	Raiser, Markus	Strick, Terence
Maria	Costanzo, Vincenzo	Gyrd-Hansen, Mads	Lakadamyali,	Miguel-Aliaga,	Reddy, Akhilesh	Stumpf, Michael
	Cowling, Victoria		Melike	Irene	Reich, Ziv	Suomalainen-
Barkai, Naama	Cramer, Patrick	Hajkova, Petra	Längst, Gernot	Milán, Marco	Rescigno, Maria	Wartiovaara, Anu
Barr, Francis	Currie, Peter	Hajnal, Alex	Lappalainen, Pekka	Milo, Ron	Reversade, Bruno	Szabó, Ildikó
Barral, Yves		Halic, Mario	Lecuit, Thomas	Miska, Eric	Ricci, Romeo	
Barre,	d'Adda di Fagagna,	Hanna, Jacob	Lemaitre, Bruno	Mitchell, Kevin	Richards, Thomas	Taipale, Jussi
François-Xavier	Fabrizio	Hardingham, Giles	Leulier, François	Moller, Simon Geir	Rico, Beatriz	Tamagnone, Luca
Basto, Renata	Daumke, Oliver	Harkany, Tibor	Lavashina, Elena A.	Morillon, Antonin	Rizzoli, Silvio	Tanaka, Tomoyuki
Batista, Facundo	Davis, Daniel	Hassan, Bassem	Leys, David	Mosialos, George	Robinson, Robert	Tanay, Amos
Baum, Buzz	de Gier, Jan-Willem	Haucke, Volker	Liu, Hai-Kun	Mota, Maria	Rodriguez, Ivan	Tapon, Nicolas
Behrens, Axel	Del Bene, Filippo	Helariutta, Ykä	Logan, Darren	Musacchio, Andrea	Roska, Botond	Tarsounas,
Beja, Oded	Del Pozo, Miguel A.	Helms, Volkhard	Logan, Malcolm		Rouse, John	Madalena
Bellaiche, Yohanns	Delledonne,	Hidalgo, Alicia	Hiller, Sebastian	Nagy, Laszlo		Tavernarakis,
Ben-Yehuda, Sigal	Massimo	Hirst, Judy	Hoffmann, Jan	Nakamura, Yuki	Sablina, Anna	Nektarios
Benton, Richard	Dessen, Andrea	Hoffmann, Eva	Lohmann, Jan	Navarro, Lionel	Sahai, Erik	Teichmann, Sarah
Berezikov, Eugene	Dickson, Barry	Holstege, Frank	Lopes, Massimo	Nehrbass, Ulf	Salecker, Iris	Teixeira, Maria
Berger, Frédéric	Dominguez, Maria	Hoogenraad, Casper	López-Bendito,	Neuhäuss, Stephan	Sandberg, Rickard	Teresa
Bertolotti, Adne	Donaldson, Anne	Hopfner, Karl-Peter	Guillermina	Nichols, Benjamin	Santos, Manuel	Teleman, Aurelio
Bertrand, Edouard	Drew, David	Hoppe, Thorsten	Lorentzen, Esben	Nissen, Poul	Saudou, Frédéric	Telford, Maximilian
Bettencourt-Dias,	Dutzi, Raimund	Hothorn, Michael	Loving, Andrew	Nollen, Ellen	Schärer, Orlando D.	Tessmar-Raible,
Mónica	Einsle, Oliver	Huisken, Jan	Löwe, Jan	Norden, Caren	Schedl, Andreas	Kristin
Blanpain, Cédric	Elena, Santiago	Hummel, Thomas	Lüdtke, Tom	Noselli, Stéphane	Schleper, Christa	Therond, Pascal
Blázquez, Miguel	Elf, Johan		Luke, Brian		Schlötterer,	Thery, Manuel
Bochtler, Matthias	Etienne-		Lygerou, Zoi		Christian	Thiele, Ines
Boulton, Simon	Manneville,	Ivaska, Johanna	Madan Babu, M.	Odom, Duncan	Schneitz, Kay	Thompson, Barry
Bousso, Philippe	Sandrine	Jacobs, Jacqueline	Mailand, Niels	Oldroyd, Giles	Schmittgen, Arp	Tolar, Pavel
Boutros, Michael	Fankhauser,	Janke, Carsten	Makinen, Taira	Otzen, Daniel	Schnorrer, Frank	Torres-Padilla,
Briscoe, James	Christian	Jansen, Ralf	Malnasi Csizmadia,	Owen-Hughes, Tom	Schratt, Gerhard	Maria-Elena
Broz, Petr	Fernández-	Jarriault, Sophie	Andras	Owen, David	Schübeler, Dirk	Trouche, Didier
Bühler, Marc	Capetillo, Óscar	Jefferis, Gregory	Mansuy, Isabelle	Oxenius, Annette	Schuh, Melina	Trumpp, Andreas
Bujnicki, Janusz	Fernández-Chacón,	Jensen, Kim	Manzanares,		Schuldiner, Maya	Tsiantis, Miltos
Bumann, Dirk	Rafael	Jensen, Torben	Miguel	Palková, Zdena	Schulze, Almut	Tuschl, Thomas
	Fischer, André	Heick	Marin, Oscar	Palmer, Ruth	Schwappach,	
Carballido-López,	Friml, Jiri	Jessberger,	Marine,	Pasero, Philippe	Blanche	Uhlmann, Frank
Rut	Fuks, François	Sebastian	Jean-Christophe	Pasini, Diego	Scorrano, Luca	Ulrich, Helle
Carleton, Alan		Jovine, Luca	Marques-Bonet,	Passmore, Lori	Segal, Eran	Ungermann,
Carroll, Jason	Garel, Sonia		Tomas	Peeper, Daniel	Selbach, Matthias	Christian
Carter, Andrew	Garinis, George	Kaessmann, Henrik	Marston, Adele	Pellizzoni, Livio	Seoane, Joan	van Aalten, Daan
Carvalho, Pedro	Geldner, Niko	Kaufmann, Kerstin	Martens, Sascha	Peracchi, Alessio	Scherbata, Halyna	Van den
Casares, Fernando				Perrakis, Anastassis		Ackerveken, Guido
				Peters, Antoine		

EMBO young investigators 2000–2014 *(cont.)*

van der Goot, Gisou
van Steensel, Bas
Veening,
Jan-Willem
Veldhoen, Marc
Vendruscolo,
Michele
Vermot, Julien
Verstrepen, Kevin
Vinkemeier, Uwe
Viola, Antonella
Voinnet, Olivier

Walden, Helen
Walther, Tobias
West, Steven
Wilson, Daniel
Wimmer, Ernst A.
Wollert, Thomas
Wutz, Anton

Yanai, Itai

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

EMBO Young Investigators: statistics

Applications and awards 2006–2015

Country	2006		2007		2008		2009		2010		2011		2012		2013		2014		2015	
	Appl.	Aw.	Appl.	Aw.	Appl.	Aw.	Appl.	Aw.	Appl.	Aw.	Appl.	Aw.	Appl.	Aw.	Appl.	Aw.	Appl.	Aw.	Appl.	Aw.
Austria	3	0	2	1	1	0	2	0	1	0	0	0	2	2	3	1	8	3	8	0
Belgium	6	2	6	1	2	0	6	1	3	1	3	0	3	0	5	1	9	1	2	0
Croatia	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0
Czech Republic	2	0	0	0	1	0	1	0	0	0	0	0	0	0	1	0	3	0	2	0
Denmark	3	0	2	0	1	0	0	0	2	0	5	1	1	0	4	3	2	0	4	0
Estonia	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0
Finland	5	2	8	0	2	0	2	0	1	0	2	0	4	0	9	0	3	0	1	0
France	16	4	8	3	11	1	11	0	12	0	23	4	21	3	29	3	20	4	23	4
Germany	27	2	19	3	21	1	17	2	22	7	19	3	16	1	17	2	31	7	25	4
Greece	4	0	4	0	2	0	2	0	2	0	1	0	1	1	0	0	2	0	1	0
Hungary	3	0	0	0	3	0	1	0	0	0	0	0	1	0	1	0	0	0	1	0
Iceland	1	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0
Ireland	2	0	0	0	0	0	1	0	2	0	2	0	1	0	0	0	2	0	3	0
Israel	5	1	2	1	4	0	6	1	7	1	4	1	10	4	8	1	7	1	6	1
Italy	11	3	10	1	4	0	15	1	12	1	11	0	8	0	7	0	10	1	12	1
Luxembourg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
The Netherlands	8	0	5	1	7	0	7	1	7	1	6	1	13	1	11	1	7	0	6	1
Norway	0	0	0	0	0	0	0	0	0	0	1	0	3	0	2	0	2	0	0	0
Poland	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0
Portugal	2	0	1	0	1	0	2	1	5	1	3	0	3	0	19	0	9	0	4	0
Slovak Republic	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0
Slovenia	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Spain	16	0	18	3	12	1	8	0	14	3	27	0	23	1	28	3	21	1	11	1
Sweden	10	0	14	1	3	0	3	1	4	0	8	1	7	1	6	1	11	0	7	1
Switzerland	5	2	4	0	5	2	11	6	11	1	11	3	10	2	7	1	10	3	11	5
Turkey	0	0	2	0	3	0	1	0	0	0	1	0	4	0	0	0	1	0	2	0
United Kingdom	22	5	26	3	32	7	24	3	32	5	34	8	22	5	29	5	33	4	33	3
Singapore	0	0	0	0	0	0	0	0	0	0	0	0	4	1	1	1	3	0	6	2
Taiwan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	4	1	3	0
Others	0	0	0	0	0	0	0	0	0	0	0	0	1	0	3	0	2	0	0	0
Total	153	21	132	18	116	12	123	17	137	21	164	22	160	22	192	23	202	27	174	23
Female	32	6	37	3	32	2	34	4	39	3	57	8	57	8	59	5	64	7	64	8
Male	121	15	95	15	84	10	89	13	98	18	107	14	103	14	133	18	138	20	110	15

EMBO Young Investigator Lectures 2015

Young Investigator	Conference	Location	Date
Alexander Stark	CSHL Systems Biology: Global Gene Regulation 2015	PR-Rio Mar	28 Jan – 2 Feb
Niels Mailand	Gordon Research Conference: Mammalian DNA Repair	US-Ventura	8 – 13 February
Maya Schuldiner	EMBO Conference: Mechanisms and regulation of protein translocation	HR-Dubrovnik	21 – 25 March
Pedro Carvalho	EMBO Conference: Mechanisms and regulation of protein translocation	HR-Dubrovnik	21 – 25 March
Jacob Hanna	Keystone Symposia: Transcriptional and Epigenetic Influences of Stem Cell States	US-Steamboat Springs	23 – 28 March
Sonia Garel	EMBO Workshop: Cortical development in health and disease	IL-Rehovot	26 April
Amos Tanay	IMB Workshop: Breakthroughs in Epigenetics	DE-Mainz	19 – 20 May
Jacqueline Jacobs	EMBO Workshop: Developmental circuits in aging	GR-Crete	25 – 28 May
Bruno Reversade	EMBO Workshop: Developmental circuits in aging	GR-Crete	25 – 28 May
Petra Hajkova	Gordon Research Conference: Germinal Stem Cell Biology	HK-Shatin	31 May – 5 June
Niels Mailand	IMB Conference: DNA Repair & Genome Stability in a Chromatin Environment	DE-Mainz	4 – 7 June
Evi Soutoglou	IMB Conference: DNA Repair & Genome Stability in a Chromatin Environment	DE-Mainz	4 – 7 June
André Fischer	EMBO/EMBL Symposium: Mechanisms of Neurodegeneration	DE-Heidelberg	14 – 17 June
Pedro Carvalho	FEBS/EMBO Lecture Course – Biomembranes: Molecular Architecture, Dynamics and Function	FR-Cargèse	15 – 25 June
Petr Broz	EMBO Workshop: Cell Biology of Animal Lectins	IL-Rehovot	21 – 26 June
Sebastian Hiller	Gordon Conference: Membrane Protein Folding	US-Waltham	21 – 16 June
Lori Passmore	FEBS Young Scientists' Forum 2015	DE-Berlin	2 – 4 July
Pedro Carvalho	Gordon Research Conference: Molecular Membrane Biology	US-Andover	12 – 17 July
Jacqueline Jacobs	Cell Senescence: From Physiology to Pathology	ES-Santiago de Compostela	19 – 22 July
Evi Soutoglou	FASEB Conference on Genetic Recombination and Genome Rearrangements	US-Steamboat Springs	19 – 24 July
Julien Vermot	FASEB Conference: The Biology of Cilia and Flagella	US-Snowmass	19 – 24 July
Esben Lorentzen	FASEB Conference: The Biology of Cilia and Flagella	US-Snowmass	19 – 24 July
Jan-Willem Veening	Gordon Research Conference : Microbial Adhesion & Signal Transduction	US-Newport	26 – 31 July
Julien Vermot	Gordon Research Conference: Angiogenesis	US-Newport	2 – 7 August
Michael Potente	Gordon Research Conference: Angiogenesis	US-Newport	2 – 7 August

EMBO Young Investigator Lectures 2015

Young Investigator	Conference	Location	Date
Chunaram Choudhary	HDAC and Sirtuins in biology, disease and aging	DE-Hamburg	16 – 21 August
Evi Soutoglou	24th Wilhelm Bernhard Workshop on the Cell Nucleus	AT-Vienna	17 – 22 August
Alexander Stark	CSHL Mechanisms Of Eukaryotic Transcription	US-Cold Spring Harbor	25 – 29 August
Irene Miguel-Aliaga	European Drosophila Research Conference (EDRC) 2015	DE-Heidelberg	9 – 12 September
Alexander Stark	European Drosophila Research Conference (EDRC) 2015	DE-Heidelberg	9 – 12 September
Helen Walden	EMBO Conference on Ubiquitin and ubiquitin-like modifiers: From molecular mechanisms to human diseases	HR-Cavtat	18 – 22 September
Sascha Martens	FASEB Conference: GTPases in Trafficking, Autophagy and Disease	US-Florida	18 – 23 September
Anna Sablina	FASEB Conference: GTPases in Trafficking, Autophagy and Disease	US-Florida	18 – 23 September
Ines Thiele	18th Asia-Pacific International Molecular Biology Network (A-IMBN) Annual Conference	KR-Cheonan-si	20 – 22 September
Yuki Nakamura	56th International Conference on the Bioscience of Lipids	AR-Puerto Iguazu	22 – 26 September
Niels Mailand	EMBO Conference on DNA damage responses in cell physiology and disease	GR-Cape Sounio	5 – 9 October
Jacqueline Jacobs	EMBO Conference on DNA damage responses in cell physiology and disease	GR-Cape Sounio	5 – 9 October
Caren Norden	EMBL PhD Symposium: Just by Chance? Randomness and Variability Shaping Biology	DE-Heidelberg	22 – 24 October
Manuel Thery	Frontiers in cytoskeleton research: coordination, adaptation, fine tuning	IN-Pune	24 – 26 October
Maria-Elena Torres-Padilla	Barcelona Conferences on Epigenetics and Cancer: Coding and non-coding functions of the genome	ES-Barcelona	29 – 30 October
Lionel Navarro	Conference Jacques Monod: DNA methylation and demethylation	FR-Roscoff	16 – 20 November
Petra Hajkova	Conference Jacques Monod: DNA methylation and demethylation	FR-Roscoff	16 – 20 November
Maria-Elena Torres-Padilla	Conference Jacques Monod: DNA methylation and demethylation	FR-Roscoff	16 – 20 November
Victoria Cowling	Second International Congress on “RNA Biology in Cancer and other diseases”	ES-Barcelona	24 – 26 November
Yuki Nakamura	6th International Singapore Lipid Symposium and 6th Asian Symposium on Plant Lipids	SG-Singapore	30 Nov – 4 December
Pavel Tolar	American Society for Cell Biology (subgroup on cytoskeletal and membrane protein dynamics at the T cell immunological synapse)	US-San Diego	12 – 16 December

EMBO Installation Grants

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

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 2015

Name	Nationality	Moving from	Moving to	Research interest
Çağlar Çekiç	Turkish	La Jolla Institute for Allergy and Immunology, US	Bilkent University, Ankara, TR	Immune cell regulation
Sebastian Glatt	Austrian	EMBL, Heidelberg, Germany	Jagiellonian University, Krakow, PL	Translational control in neurodegenerative diseases
Maria Górna	Polish	CeMM, Vienna, AT	University of Warsaw, PL	Structural studies of RNA-binding proteins
Aşkın Kocabaş	Turkish	Harvard University, Cambridge, US	Koç University, Istanbul, TR	Information processing in the nervous system
Vanessa Morais	Portuguese	VIB / KU Leuven, BE	Institute of Molecular Medicine, Lisbon, PT	Synaptic mitochondria
Yongsoo Park	South Korean	MPI for Biophysical Chemistry, Göttingen, DE	Dokuz Eylul University, Izmir, TR	Neurotransmitter release in psychiatric disorders
Umut Şahin	Turkish	Université Diderot (Paris 7), Paris, FR	Boğaziçi University, Istanbul, TR	PML nuclear bodies
Ondřej Štěpánek	Czech	University Hospital Basel, CH	Institute of Molecular Genetics, Prague, CZ	Antigenic signalling and fate decisions in T cells

One award was withdrawn in February 2016.

EMBO Courses & Workshops

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

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 selection processes ensure that only the best and most diverse life science meetings are funded.

Anne-Marie Glynn
Programme Manager

EMBO Courses | Workshops | Conferences | Symposia 2015

	Title	Organizer	Location	Dates
Practical Courses EMBC Member States	Metabolomics bioinformatics for life scientists	R. Salek	UK-Hinxton	16–20 February
	In vivo plant imaging	M. Heisler	DE-Heidelberg	9–15 March
	Single molecule and single cell fluorescence Å/nm/µm/mm-scopy	E. Lemke	DE-Heidelberg	15–23 March
	Advanced optical microscopy	B. Amos	UK-Plymouth	8–18 April
	The characterization of post-translational modifications	M.R. Larsen	DK-Odense	9–15 April
	Single-cell gene expression analysis	J. Dreyer-Lamm	DE-Heidelberg	17–22 April
	Small angle neutron and X-ray scattering from proteins in solution	F. Gabel	FR-Grenoble	18–22 May
	Modern biophysical methods for protein-ligand interactions	K. Hiltunen	FI-Oulu	1–5 June
	Synthetic biology in action	V. de Lorenzo	DE-Heidelberg	8–20 June
	Advanced electron microscopy for cell biology	E. Gontier	FR-Bordeaux	9–18 June
	The application of transient kinetic methods to biological macromolecules	M. Geeves	UK-Kent	21–27 June
	Developmental neurobiology: From worms to mammals	R. Hindges	UK-London	21 June–4 July
	High-throughput protein production and crystallization	R. Vincentelli	FR-Marseille	29 June–8 July
	Marine animal models in evolution and development: Focus on neurobiology	D. Arendt	SE-Fiskebäckskil	5–18 July
	Multi-level modelling of morphogenesis	S. Marée	UK-Norwich	12–24 July
	Analysis of small non-coding RNAs: Per aspera ad astra	V. Benes	CZ-Brno	25–31 July

EMBO Courses | Workshops | Conferences | Symposia 2015

	Title	Organizer	Location	Dates
Practical Courses EMBC Member States (cont.)	Measuring intra-species diversity using high-throughput sequencing	D. Sobral	PT-Oeiras	27 – 31 July
	Structure, dynamics and function of biomacromolecules by solution NMR	M. Sattler	DE-Garching	31 July – 7 August
	Image processing for cryo electron microscopy	E. Orlova	UK-London	1 – 11 September
	Two-photon imaging of brain function: From spiny dendrites to circuits	A. Konnerth	DE-Munich	5 – 12 September
	Insights into plant biological processes through phenotyping	D. Inzé	BE-Ghent	13 – 19 September
	Current methods in cell biology	P. Neveu	DE-Heidelberg	14 – 22 September
	Computational analysis of protein-protein interactions: From sequences to networks	V. Schneider-Gricar	UK-Norwich	28 September – 3 October
	Analysis of high-throughput sequencing data	G. Rustici	UK-Hinxton	19 – 24 October
	Targeted proteomics: Experimental design and data analysis	E. Sabidó	ES-Barcelona	15 – 20 November
	iCLIP: Genomic views of protein-RNA interactions	J. König	DE-Mainz	15 – 21 November
Practical Courses Non-EMBC Member States	Computational biology: From genomes to systems	P. Bork	JP-Okinawa	17 – 22 April
Workshops EMBC Member States	Integrative perspectives on musculoskeletal development	E. Zelzer	IL-Ein Gedi	4 – 8 January
	The regulation of aging and proteostasis	E. Cohen	IL-Ma'ale Hachamisha	15 – 20 February
	Modern DNA concepts and tools for safe gene transfer and modification	M. Mezzina	FR-Evry	30 March – 3 April
	Microbial sulfur metabolism	N.U. Frigaard	DK-Helsingør	12 – 15 April
	Cortical development in health and disease	O. Reiner	IL-Rehovot	26 – 29 April
	Embryonic-extraembryonic interfaces: Emphasis on molecular control of development in amniotes	K. Downs	DE-Göttingen	6 – 9 May
	SMC proteins: Chromosomal organizers from bacteria to human	A. Losada	AT-Vienna	12 – 15 May
	Dynamic kinetochore	J. Nilsson	DK-Copenhagen	18 – 21 May
	Developmental circuits in aging	G.A. Garinis	GR-Hersonissos	25 – 28 May

EMBO Courses | Workshops | Conferences | Symposia 2015

	Title	Organizer	Location	Dates
Workshops EMBC Member States (cont.)	Cellular synopsis for cell-cell signalling	I. Guerrero	ES-San Lorenzo de El Escorial	26–29 May
	Macromolecular assemblies at the crossroads of cell stress and function	D. Kaganovich	IL-Jerusalem	31 May–4 June
	Mechanisms of plant speciation	C. Köhler	SE-Åkersberga	9–13 June
	Cell biology of animal lectins	Y. Zick	IL-Rehovot	21–25 June
	Cortical interneurons in health and disease	O. Marín	ES-Costa d'En Blanes	22–25 June
	Neural circuits and behaviour of Drosophila	B.J. Dickson	GR-Kolymbari	5–10 July
	Cell and developmental systems	S. Gasser	CH-Arolla	18–22 August
	Cell cycle	F. Uhlmann	HU-Budapest	4–7 September
	Mitochondria, apoptosis and cancer (MAC 2015)	S. Fulda	DE-Frankfurt	10–12 September
	DNA topoisomerases, DNA topology and human health	A. Stasiak	CH-Les Diablerets	13–17 September
	Molecular mechanisms of muscle growth and wasting in health and disease	M. Ruedg	CH-Ascona	20–25 September
	Mitochondrial DNA and neurodegeneration	M. Sola	ES-Sitges	23–25 September
	Stem cell mechanobiology in development and disease	G. Minchiotti	IT-Capri	18–21 October
	Cell division: Molecular machineries and cancer targeted therapies	G. Montoya	ES-Baeza, Jaén	19–21 October
Workshops Non-EMBC Member States	Emerging concepts of the neuronal cytoskeleton	C. Gonzalez-Billault	CL-Puerto Varas	22–26 March
	Cellular and molecular mechanism of tumour–microenvironment crosstalk	J. Kzhyshkowska	RU-Tomsk	9–12 July
	Telomeric chromatin and telomere fragility	P. Droge	SG-Singapore	7–10 December
Conferences EMBC Member States	Mechanisms and regulation of protein translocation	P. Rehling	HR-Dubrovnik	21–25 March
	Chromatin and epigenetics	S.A. Teichmann	DE-Heidelberg	6–10 May
	Molecular chaperones: From molecules to cells and misfolding diseases	J. Buchner	GR-Heraklion	8–13 May
	Europhosphatase 2015: Phosphorylation switches and cellular homeostasis	J. Westermarck	FI-Turku	24–29 June

EMBO Courses | Workshops | Conferences | Symposia 2015

	Title	Organizer	Location	Dates
Conferences EMBC Member States (cont.)	RNA localization and local translation	E.M. Schuman	GR-Hersonissos	28 June–3 July
	Molecular and population biology of mosquitoes and other disease vectors: Current, resurgent and emerging diseases	G. Christophides	GR-Kolymbari	24–29 July
	DNA replication, chromosome segregation and cell division	J.F. Diffley	UK-Egham	27–31 July
	Ribosome synthesis	T. Meier	BE-Brussels	19–23 August
	Aquatic microbial ecology	S. Bertilsson	SE-Uppsala	23–28 August
	Meiosis	E. Hoffmann	UK-Oxford	30 August–4 September
	Physics of cells: From molecules to systems (PhysCell 2015)	F. Rehfeldt	DE-Bad Staffelstein	30 August–4 September
	Autophagy signalling and progression in health and disease	F. Cecconi	IT-Chia	9–12 September
	Cell therapy today: Achievements, hopes and hype	G. Cossu	UK-Manchester	9–12 September
	Protein synthesis and translational control	F. Gebauer	DE-Heidelberg	9–13 September
	Ubiquitin and ubiquitin-like modifiers: From molecular mechanisms to human diseases	I. Dikic	HR-Cavtat	18–22 September
	Signalling in plant development	J. Friml	CZ-Brno	20–24 September
	Nuclear receptors: From molecules to humans	D. Picard	FR-Ajaccio	24–28 September
	The multidisciplinary era of endocytic mechanics and functions	L. Johannes	FR-Mandelieu-la-Napoule	27 September–2 October
	Genetic control of development and evolution	M. Yaniv	FR-Paris	29 September–2 October
	The DNA damage response in cell physiology and disease	M. Tarsounas	GR-Cape Sounio	5–9 October
	Nuclear structure and dynamics	M. Méchali	FR-Isle sur Sorgue	7–11 October
	Exploring the genomic complexity and diversity of eukaryotes	T. Gabaldon	ES-Sant Feliu de Guixols	17–22 October
Conferences Non-EMBC Member States	Neural development	C.T. Chien	TW-Taipei	4–8 December

EMBO Courses | Workshops | Conferences | Symposia 2015

	Title	Organizer	Location	Dates
ESF EMBO Symposia EMBC Member States	Bacterial Networks (BacNet 15)	V. Sourjik	ES-Sant Feliu de Guixols	9–15 May
	Be there or die? The role of the microenvironment in B cell behaviour in health and disease	I. Shachar	ES-Sant Feliu de Guixols	16–21 May
	Symbiomes: Systems biology of host-microbiome interactions	C. Donati	PL-Pułtusk	5–10 June
	Thiol-based redox switches in life sciences	J. Hermann	ES-Sant Feliu de Guixols	12–17 September
	Interaction between the immune system and nanomaterials: Safety and medical exploitation	D. Boraschi	PL-Pułtusk	4–9 October
EMBO EMBL Symposium EMBC Member States	Frontiers in stem cells and cancer	H.C. Clevers	DE-Heidelberg	29–31 March
	Cellular heterogeneity: Role of variability and noise in biological decision-making	L. Pelkmans	DE-Heidelberg	15–18 April
	Mechanisms of neurodegeneration	C. Haass	DE-Heidelberg	14–17 June
	Enabling technologies for eukaryotic synthetic biology	K.R. Patil	DE-Heidelberg	21–23 June
	The mobile genome: Genetic and physiological impacts of transposable elements	O. Barabas	DE-Heidelberg	16–19 September
	Seeing is believing: Imaging the processes of life	J. Ellenberg	DE-Heidelberg	6–10 October
	New approaches and concepts in microbiology	A. Typas	DE-Heidelberg	11–14 October
	The non-coding genome	E. Izaurralde	DE-Heidelberg	18–21 October
EMBO FEBS Lecture Courses EMBC Member States	Biomembranes: Molecular architecture, dynamics and function	G. van Meer	FR-Cargèse	15–25 June
	Mitochondria in life, death and disease	K. Tokatlidis	GR-Fodele	12–16 October
EMBO Global Exchange Lecture Courses Non-EMBC Member States	Structural and biophysical methods for biological macromolecules in solution	D. Svergun	TW-Taipei	4–10 May
	Frontiers in innate immunity and drug discovery	M. Ntwasa	ZA-Johannesburg	6–11 July

Laboratory Management Courses 2015

	Title	Organizer	Location	Dates
EMBO Laboratory Management Courses*	EMBO Laboratory Management Course (for postdocs)	A. Glynn M. Cairns	DE-Leimen (near Heidelberg)	27–29 January
	EMBO Laboratory Management Course (for independent group leaders)	A. Glynn M. Cairns	DE-Leimen (near Heidelberg)	2–5 February
	EMBO Laboratory Management Course (for postdocs)	A. Glynn M. Cairns	DE-Leimen (near Heidelberg)	17–19 February
	EMBO Laboratory Management Course (for independent group leaders)	A. Glynn M. Cairns	DE-Leimen (near Heidelberg)	10–13 March
	EMBO Laboratory Management Course (for independent group leaders)	A. Glynn M. Cairns	DE-Leimen (near Heidelberg)	16–19 March
	EMBO Laboratory Management Course (for postdocs)	A. Glynn M. Cairns	DE-Leimen (near Heidelberg)	24–26 March
	EMBO Laboratory Management Course (for postdocs)	A. Glynn M. Cairns	DE-Leimen (near Heidelberg)	20–22 April
	EMBO Laboratory Management Course (for postdocs)	A. Glynn M. Cairns	DE-Leimen (near Heidelberg)	28–30 April
	EMBO Laboratory Management Course (for independent group leaders)	A. Glynn M. Cairns	DE-Leimen (near Heidelberg)	4–7 May
	EMBO Laboratory Management Course (for postdocs)	A. Glynn M. Cairns	DE-Leimen (near Heidelberg)	20–22 May
	EMBO Laboratory Management Course (for postdocs)	A. Glynn M. Cairns	DE-Leimen (near Heidelberg)	15–17 June
	EMBO Laboratory Management Course (for postdocs)	A. Glynn M. Cairns	DE-Leimen (near Heidelberg)	22–24 June
	EMBO Laboratory Management Course (for independent group leaders)	A. Glynn M. Cairns	DE-Leimen (near Heidelberg)	13–16 July
	EMBO Laboratory Management Course (for independent group leaders)	A. Glynn M. Cairns	DE-Leimen (near Heidelberg)	5–8 October
	EMBO Laboratory Management Course: Female Leaders in Science (for independent group leaders)	A. Glynn M. Cairns	DE-Leimen (near Heidelberg)	14–16 October
	EMBO Laboratory Management Course (external course for independent group leaders)	A. Glynn M. Cairns	UK-Cambridge	2–5 November
	EMBO Laboratory Management Course (for postdocs)	A. Glynn M. Cairns	DE-Leimen (near Heidelberg)	3–5 November
	EMBO Laboratory Management Course (for independent group leaders)	A. Glynn M. Cairns	DE-Leimen (near Heidelberg)	9–12 November

Laboratory Management Courses 2015

	Title	Organizer	Location	Dates
EMBO Laboratory Management Courses* (cont.)	EMBO Laboratory Management Course (for independent group leaders)	A. Glynn M. Cairns	DE-Leimen (near Heidelberg)	16 – 19 November
	EMBO Laboratory Management Course (for postdocs)	A. Glynn M. Cairns	DE-Leimen (near Heidelberg)	24 – 26 November
	EMBO Laboratory Management Course (for postdocs)	A. Glynn M. Cairns	DE-Leimen (near Heidelberg)	1 – 3 December
	EMBO Laboratory Management Course (external course for postdocs)	A. Glynn M. Cairns	UK-Cambridge	7 – 9 December

*administered by the Gesellschaft zur Förderung der Lebenswissenschaften Heidelberg GmbH

EMBO Women in Science

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

women@embo.org

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.

Gerlind Wallon
Manager

Participation of women in EMBO activities: Statistics

EMBO Courses & Workshops 2011–2015

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

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

*2015 data represents 86% of the events i.e. 80/93 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

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
	Overall	421		219		52
2011	Female applicants	267	53	152	54	57
	Male applicants	239	47	129	46	54
	Overall	506		281		55
2012	Female applicants	317	54	165	53	52
	Male applicants	268	46	147	47	55
	Overall	585		312		53
2013	Female applicants	340	61	172	61	51
	Male applicants	220	39	108	39	49
	Overall	560		280		50
2014	Female applicants	322	59	167	59	52
	Male applicants	226	41	117	41	52
	Overall	548		284		52
2015	Female applicants	334	60	172	60	51
	Male applicants	223	40	116	40	52
	Overall	557		288		52
2010–2015	Female applicants	1810	57	954	57	53
	Male applicants	1367	43	710	43	52
	Overall	3177		1644		52

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
	Overall	1668		275		17
2011	Female applicants	748	46	103	38	14
	Male applicants	885	54	165	62	19
	Overall	1633		268		16
2012	Female applicants	739	48	115	47	16
	Male applicants	816	52	132	53	16
	Overall	1555		247		16
2013	Female applicants	793	48	77	42	10
	Male applicants	852	52	108	58	13
	Overall	1645		185		11
2014	Female applicants	742	45	86	35	12
	Male applicants	906	55	161	65	18
	Overall	1648		247		15
2015	Female applicants	773	50	118	47	15
	Male applicants	776	50	134	53	17
	Overall	1549		252		16
2010–2015	Female applicants	4597	47	622	42	14
	Male applicants	5101	53	852	58	17
	Overall	9698		1474		15

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
	Overall	137		21		15
2011	Female applicants	57	35	8	36	14
	Male applicants	107	65	14	64	13
	Overall	164		22		13
2012	Female applicants	57	36	8	36	14
	Male applicants	103	64	14	64	14
	Overall	160		22		14
2013	Female applicants	59	31	5	22	8
	Male applicants	133	69	18	78	14
	Overall	192		23		12
2014	Female applicants	64	32	7	26	11
	Male applicants	138	68	20	74	14
	Overall	202		27		13
2015	Female applicants	64	37	8	35	13
	Male applicants	110	63	15	85	14
	Overall	174		23		13
2010–2015	Female applicants	340	33	39	28	11
	Male applicants	689	67	99	71	14
	Overall	1029		138		13

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
	Overall	34		7		21
2011	Female applicants	8	30	3	43	38
	Male applicants	19	70	4	57	21
	Overall	27		7		26
2012	Female applicants	11	28	1	10	9
	Male applicants	29	73	9	90	31
	Overall	40		10		25
2013	Female applicants	20	31	2	33	10
	Male applicants	45	69	4	67	9
	Overall	65		6		9
2014	Female applicants	27	39	2	25	7
	Male applicants	42	61	6	75	14
	Overall	69		8		12
2015	Female applicants	27	31	3	33	11
	Male applicants	59	69	6	67	10
	Overall	86		9		10
2010–2015	Female applicants	104	32	14	30	13
	Male applicants	217	68	33	70	15
	Overall	321		47		15

EMBO Gold Medal

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

communications@embo.org

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

EMBO Gold Medalists 1986–2015

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

EMBO Keynote Lectures

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

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
Manager

EMBO Keynote Lectures 2015

	Name	Lecture Title	Location	Date
Keynote Lectures EMBC Member States	Richard A. Flavell	Midwinter Conference 2015: Advances in Immunobiology	AT-Seefeld	17–21 January
	Jan H.J. Hoeijmakers	LS2 Annual Meeting 2015 Zurich 'Light: from the basis of life to life science technologies'	CH-Zurich	29–30 January
	Fiona M. Watt	Gordon Research Conference (GRC) on Fibronectin, Integrins, and Related Molecules	IT-Lucca	10–15 May
	J. Victor Small	Actin and microtubule cytoskeleton in cell motility and morphogenesis: An integrated view	FR-Roscoff	26–30 May
	Titia K. Sixma	IMB Conference 2015: DNA Repair & Genome Stability in a Chromatin Environment	DE-Mainz	4–7 June
	John E. Walker	From Atomic Structures to Disease Mechanisms	FI-Helsinki	10–12 June
	Randy W. Schekman	Biomembranes: Molecular Architecture, Dynamics and Function	FR-Cargèse	15–25 June
	Klaus Aktories	ETOX17, 17th European Workshop on Bacterial Protein Toxins	PT-Braga	20–24 June
	Sarah A. Teichmann	40th FEBS Congress: The Biochemical Basis of Life	DE-Berlin	4–9 July
	Pietro V. De Camilli	Cellular Functions of Phosphoinositides and Inositol Phosphates	UK-Cambridge	1–4 September
	Kai Simons	5th European Lipidomic Meeting	UK-Swansea	2–4 September
	Scott Emr	EPFL Life Sciences Symposium 2015	CH-Lausanne	2–4 September
	Ton Bisseling	International Molecular Mycorrhiza Meeting 2015	UK-Cambridge	3–4 September

EMBO Keynote Lectures 2015

	Name	Lecture Title	Location	Date
Keynote Lectures EMBC Member States (cont.)	Tomas Kirchhausen	Systems Biology of Infection Symposium – 2nd Edition	CH-Ascona	6–10 September
	Susan Lindquist	27th International Conference on Yeast Genetics and Molecular Biology	IT-Levico Terme	6–12 September
	Eric F. Wieschaus	24th Annual European Drosophila Research Conference (EDRC)	DE-Heidelberg	9–12 September
	Andrea Brand	Building, repairing and evolving biological tissues	FR-Roscoff	13–17 September
	François Schweisguth	Development across Scales – a Matter of Genes, Cells and Numbers	UK-Cambridge	14–14 September
	Tim Hunt	iMed Conference 7.0	PT-Lisbon	17–20 September
	Jules A. Hoffmann	Novel Concepts in Innate Immunity	DE-Tübingen	23–25 September
	Regine Hengge	Central European Symposium on Antimicrobials and Antimicrobial Resistance CESAR 2015	HR-Sibenik	23–26 September
	Hermona Soreq	12th International Meeting on Cholinesterases (12th ChE) And Sixth International Conference on Paraoxonases (PON6)	ES-Alicante	27 September – 2 October
	Anthony Hyman	Quantitative Biology of Signaling	FR-Cargèse	28 September – 2 October
	Benjamin Geiger	Integrated mechano-chemical signals during invasion	FR-La Colle sur Loup	16–20 October
	Nenad Ban	International Symposium on aminoacyl-tRNA synthetases	ES-Barcelona	18–22 October
	Peter Fraser	Just by chance: Randomness & Variability Shaping Biology	DE-Heidelberg	22–24 October
Keynote Lectures Non-EMBC Member States	Andreas E. Kulozik	Second International Congress on RNA Biology in Cancer and other Diseases	ES-Barcelona	24–26 November
	Nikolaus Pfanner	40th Lorne Protein Conference for Protein Structure and Function	AU-Lorne	8–12 February
	Jean Gruenberg	The 15th Hunter Cell Meeting Incorporating the 8th National Imaging Workshop	AU-Hunter Valley	17–20 March
	Cecilia Maria Arraiano	RNA Stability 2015	US-Estes Park	1–4 June
	Anne Ridley	Regulation and Function of Small GTPases	US-West Palm Beach	7–12 June

EMBO Keynote Lectures 2015

	Name	Lecture Title	Location	Date
Keynote Lectures Non-EMBC Member States (cont.)	Félix A. Rey	XI Argentine Congress of Virology and II Latin American Congress of Virology, IV Clinical Virology Symposium and II Veterinary Virology Symposium	AR-Buenos Aires	23 – 26 June
	Elisabetta Dejana	TGF- β Superfamily: Signaling in Development and Disease, FASEB Science Research Conference	US-Snowmass Village	12 – 17 July
	Stephen C. West	2015 FASEB Research Conference on Genetic Recombination and Genome Rearrangements	US-Steamboat Springs	19 – 24 July
	Lucia Banci	The 19th International Society of Magnetic Resonance Conference	CN-Shanghai	16 – 21 August
	Roland Kanaar	2015 International RecA and DNA repair conference	TW-Taipei	15 – 18 September
	Kai Simons	56th International Conference for the Bioscience of Lipids	AR-Puerto Iguazú	22 – 26 September
	Yosef Shiloh	16th Ataxia-Telangiectasia Workshop 2015	CN-Beijing	11 – 14 October
	Jürgen Knoblich	2015 International Stem Cell and Developmental Biology Conference	TW-Taipei	16 – 17 October
	Ueli Grossniklaus	11th International Congress on Plant Molecular Biology, IPMB2015	BR-Foz de Iguazu	25 – 30 October
	Chris Bowler	2015 SAIB Annual Meeting	AR-Mar del Plata	3 – 6 November
	Helen R. Saibil	Biophysics in the Understanding, Diagnosis and Treatment of Infectious Diseases	ZA-Stellenbosch	15 – 20 November
	Ivan Dikic	7th Barossa Meeting: Cell Signalling in Cancer Biology and Therapy	AU-Rowland Flat	18 – 21 November
	Maria Rescigno	I Meeting LASID-FAIC-SAI	AR-Buenos Aires	18 – 21 November
	Antonio Lanzavecchia	Immunotherapy@Brisbane2015	AU-Brisbane	24 – 26 November
	Jörg Vogel	Regulating with RNA in Bacteria and Archaea Conference	MX-Cancun	5 – 8 December
EMBO Global Exchange Lecture Series Non-EMBC Member States	Nikolaus Rajewsky	EMBO Global Exchange Lecture Series	TW-Taipei	3 – 3 March
	Helle Ulrich	EMBO Global Exchange Lecture Series	TW-Taipei	22 – 22 June
	Jean-Paul Thiery	EMBO Global Exchange Lecture Series	AU-Melbourne/ Brisbane	11 – 14 October

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in Heidelberg under contract in 2015

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**EMBO facts & figures 2015
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