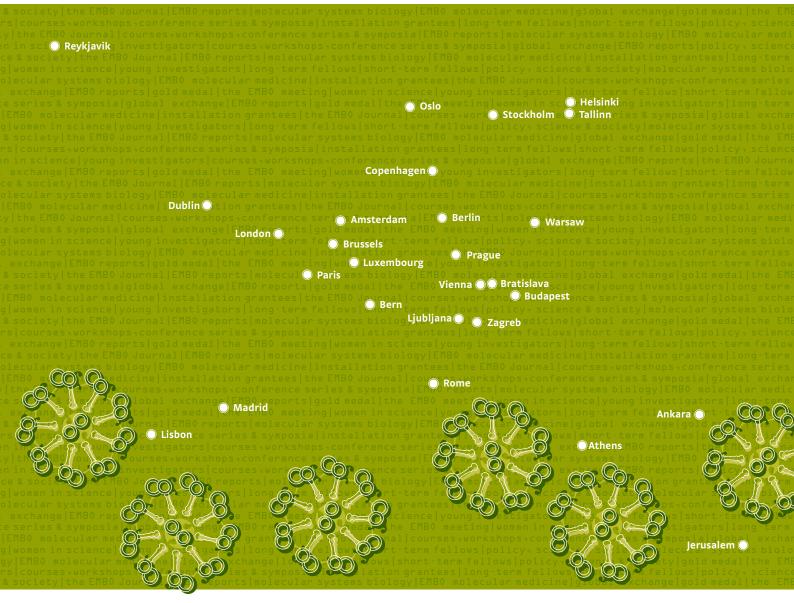
## excellence in life sciences



EMBO2011

# HIGHLIGHTS 2011



the EMBO meeting VIENNA

10-13 September 2011



biology, medicine & societ



EMBO Long-Term Fellowships	Negotiations for the second co-funding grant from Marie Curie Actions of the European Commission completed successfully; grant starts in October 2011.
New EMBO Members & Young Investigators	EMBO elects 46 new members (pages 22–25), selects 22 Young Investigators (page 82) and 7 Installation Grantees (page 88).
EMBO Science Policy	EMBO launches Science Policy Programme in April, expanding the role of the organization in analyzing and influencing science, research, and technology policy in Europe.
EMBO Gold Medal	Simon Boulton awarded the 2011 Gold Medal (page 101).
EMBO Courses & Workshops	More than 7500 participants attend 84 scientific events and 9 laboratory management courses.
EMBO Global Exchange	Delegation of EMBO Members visits research institutions and meets top officials in India; Co-operation agreements signed with Singapore and South Africa; Lecture Courses in China, Kenya, Morocco and South Africa.
FEBS   EMBO Women in Science Award	<i>Carol V. Robinson</i> wins FEBS   EMBO Women in Science Award (page 7).
Joint EMBO   EMBL Science & Society Conference	Record number of participants at 12th annual conference Making Sense of Mental Illness (page 7).
The EMBO Meeting 2011	Third EMBO life science conference in Vienna attracts 1300 attendees, providing an annual European forum for scientific exchange (page 7).
EMBO Molecular Medicine	First conference <i>Molecular Insights for Innovative Therapies</i> focuses on cardiovascular disease, stem cells, inflammation, miRNAs, and the genetic and epigenetic basis of disease.
Molecular Systems Biology	Co-organises the International Conference on Systems Biology.
The EMBO Journal	Impact factor increases by 13 percent compared with previous year. Focus issue <i>Cellular logistics – moving cargo</i> .
EMBO reports	Impact factor increases by 13 percent compared with previous year. Focus series on <i>Food and Science</i> .
EMBO Scientific Publications	EMBO publications encourage authors to provide direct access to experimental data files for figures published in papers.
	Transparent peer review enhancements: published review process files including referee reports across all publications.



EMBO promotes excellence in life sciences in Europe 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 1500 today. Fifty-seven 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.

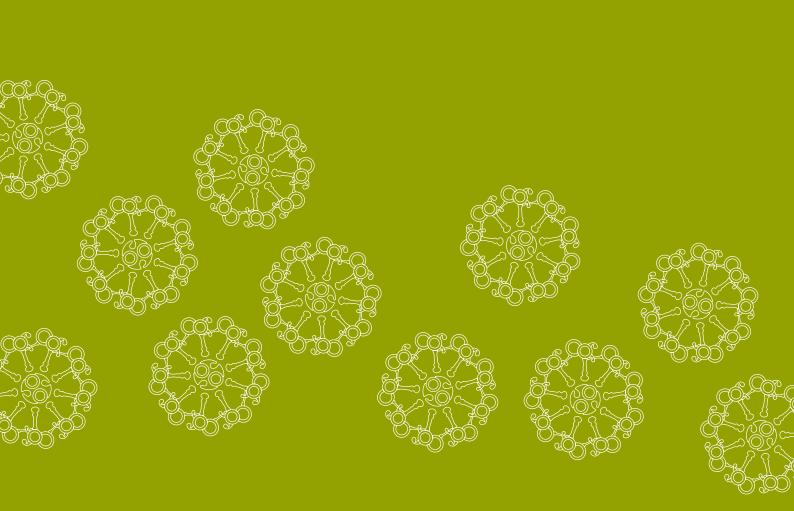
Four peer-reviewed journals span a broad spectrum of the life sciences and reflect how research is shaping the world.

The European Molecular Biology Conference (EMBC), founded in 1969, is the inter-governmental 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 quality research at the European level. Their joint activities are characterized by quality and encouragement of co-operation within the scientific community.







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Maria Leptin EMBO Director

### preface

EMBO continues to make good progress in its efforts to support talented researchers, stimulate scientific exchange and help build a robust European research environment. It is exciting to see the early impact of new initiatives to strengthen ties outside Europe and equally rewarding to experience how our long-standing EMBO activities continue to be in demand by the scientific community.

EMBO works with leading researchers around the world and the strengths of the organization arise from its community of EMBO Members. In 2011, 46 scientists from 14 countries were elected bringing the total *EMBO Membership* to 1511 worldwide. The new members include 11 female scientists and the first EMBO Member from Estonia. EMBO Members collectively influence the future directions of the life sciences and strengthen research communities across Europe. By encouraging cross-border interactions, they ensure that Europe is a unified community of excellence where the life sciences thrive.

Researchers operate in a demanding landscape. Scientists have to compete for limited funding, quickly build productive research groups, and publish high quality papers. Young researchers feel these pressures most acutely at a time in their career when they can be incredibly productive. EMBO has made it its responsibility to help young researchers, primarily by offering networking, training, and mentorship opportunities with other EMBO Members. In 2011, 22 young European scientists were selected for the *Young Investigator Programme.* They join a growing network of more than 300 young group leaders at leading institutions around the world.

The award of *EMBO Installation Grants* in countries that are actively developing fundamental research capacity also supports the activities of young scientists. In 2011, seven scientists were selected as recipients of *EMBO Installation Grants* and the grants helped researchers to relocate and set up laboratories in the Czech Republic, Poland, Estonia and Turkey. The number of researchers funded by EMBO Installation Grants since the inception of the programme in 2006 increased to 48.

EMBO encourages researchers to move to other countries since this promotes exposure to new scientific approaches, provides access to new technologies and resources, strengthens the network of participants, and brings with it access to new ideas. *EMBO Long-Term Fellowships* support postdoctoral researchers who want to work in another country. 1663 applications were received in 2011, almost matching the record number of 1668 applications received in 2010. Out of these applications 268 fellowships were awarded. In addition, 281 *Short-Term Fellowships* were awarded in 2011 to support research visits of up to three months to laboratories in Europe and elsewhere in the world.

Scientific training and exchange are ably served by a wide range of *EMBO Courses and Workshops*, which is reflected by the continued increase in the number of applications each year. The *EMBO Courses and Workshops* Programme provides valuable administrative assistance to event organizers that allows scientists to focus on science and not logistics. 81 events, which include practical courses, workshops and conference series, were funded in 2011.

The EMBO Meeting 2011 continued on its trajectory to become one of the leading European meetings for the exchange of scientific ideas on topics covering the entire range of the life sciences. Approximately 1300 participants from an increasingly international background attended the 2011 meeting in Vienna. Later in the year, the 12th EMBO|EMBL Science & Society Conference took place at the Advanced Training Centre in Heidelberg on 4 – 5 November 2011. More than 400 attendees listened to talks from leading experts and participated in several panel discussions on the topic Making sense of mental illness: biology, medicine and society.

The scope of the *EMBO Science Policy Programme* was recently refocused to strengthen its influence on science policy in Europe. It is now working in the three overlapping areas of science, research and technology policy.

In 2011, EMBO started new projects that take a close look at the aims, policies and procedures of EMBO publications. I would like EMBO to provide solutions for the concerns that scientists have about publishing, in particular ways to improve access to research results and achieve a fairer and more transparent evaluation process for scientific papers. We will hear more about the outcome of these initiatives in 2012.

In October, we started a new partnership with Singapore as part of our Global Exchange activities. Scientists in Singapore and Europe now have new avenues for scientific interaction, following a cooperation agreement between EMBO, its intergovernmental funding body, EMBC, and the government of Singapore. The agreement allows Singapore scientists to participate in EMBO training programmes and activities. It also means that EMBO workshops and lectures can take place in Singapore. This is the first cooperation agreement of its kind between EMBO, EMBC and Singapore, bringing together major players in Singapore's biomedical research community and leading researchers in Europe. Under the terms of the agreement, scientists can apply for EMBO Short-Term and Long-Term Fellowships to work in Singapore or Europe and scientists from Singapore can apply to the EMBO Young Investigator Programme.

2011 also saw the renewal and strengthening of relationships with South Africa following a cooperation agreement between EMBO, its intergovernmental funding body, EMBC, and the government of South Africa. The agreement is the second of its kind to promote activities with South Africa.

I invite you to look at the facts and figures presented in this publication. 2012 will see new opportunities and further developments that will build on our achievements of the past 12 months.

I would like to thank EMBO staff for their outstanding support in serving our community of scientists.

Sincerely M. 5-

### EMBO actions 2011

#### → EMBO OFFICERS & COUNCIL 2011

Anton Berns EMBO SECRETARY GENERAL

Daniela Rhodes CHAIR

David Shore

Geneviève Almouzni Andrea Ballabio

Patrick Charnay

Pascale Cossart

Ari Helenius

Leszek Kaczmarek

Ferenc Nagy

Mart Saarma

Benny Shilo

Dimitris Thanos

Richard Treisman

Veronica van Heyningen

Detlef Weigel

→ See page 19 for a complete list of the 2012 EMBO Council

The EMBO Council met in April and in October 2011. Major decisions are listed below along with other important EMBO actions not described elsewhere in this report.

#### **Council and membership elections**

Ari Helenius was elected as Chair of the EMBO Council for 2012, Richard Treisman was elected as Vice-Chair of EMBO Council for 2012. Anton Berns was re-elected as Secretary General of EMBO for 2012.

Andrea Ballabio, Patrick Charnay and Richard Treisman were re-elected to Council by the membership for the period 2012–2014. Caroline Dean and Denis Duboule were newly elected for the same period.

Forty-six EMBO Members and three EMBO Associate Members were elected in the 2011 membership election. More information is listed on pages 22–25.

#### **Financial matters**

The EMBO Council unanimously approved the accounts for 2010 and the budget for EMBO activities for 2012. This funding comes from income generated by EMBO Scientific Publications and supplements the EMBC financing of the EMBO Fellowship, Young Investigator, Courses & Workshops and Science Policy Programmes. 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 is in addition to the standard auditing by a national audit court from one of the EMBC Member States.

#### Cooperation

The EMBO Council suggested three candidates and one reserve for each of four scientific areas to represent EMBO on the EMBL Scientific Advisory Committee (SAC): Roderic Guigo, Daniel Louvard, Ronald Milligan and Jean Weissenbach.

### EMBO actions 2011

- EMBO and EMBL held three joint EMBO | EMBL Symposia in the EMBL Advanced Training Centre (ATC) in 2011. Another five joint symposia are planned for 2012.
- The EMBO Council agreed to negotiate cooperation agreements with India and Chinese Taipei.

#### OTHER EMBO ACTIVITIES

#### Awards

- Simon Boulton of Cancer Research UK's London Research Institute, Clare Hall Laboratories, won the 2011 EMBO Gold Medal in recognition of his groundbreaking research on DNA repair mechanisms (see page 101).
- Carol V. Robinson, Professor of Chemistry at the University of Oxford, UK, was announced winner of the 2011 FEBS | EMBO Women in Science Award.

#### Meetings

- The EMBO Meeting 2011 was held in Vienna from 10 to 13 September, continuing the tradition of an annual life sciences conference in Europe started by the former European Life Scientist Organisation (ELSO).
- New EMBO Members elected in 2010 were welcomed to the organization during the EMBO Members Workshop held from 26 to 28 October in Heidelberg.
- 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) and the various programmes of the European Commission (EC).
- An EMBO-led delegation of European researchers travelled to India to meet with Indian scientists and academic leaders in January 2011.
- EMBO continues to participate in the activities and meetings of the Initiative for Science in Europe (ISE).

#### → EMBO COMMITTEE CHAIRS 2011

David Sherratt EMBO Membership Committee

Jürgen Knoblich EMBO Fellowship Committee

**Bill Earnshaw** EMBO Course Committee

Noel Lowndes EMBO Young Investigator Committee

**Reinhard Jahn** EMBO Publications Advisory Board

→ See page 20 for a complete list of the 2011 committee members.

→ See page 21 for a complete list of the 2012 committee members.

→ EMBO Council Administrator Gitta Bourke gitta.bourke@embo.org T +49 6221 8891 117 F +49 6221 8891 202

### EMBC actions 2011

#### → EMBC OFFICERS 2011

Toivo Maimets ESTONIA PRESIDENT

Leszek Kaczmarek POLAND M. Angela Nieto SPAIN VICE-PRESIDENTS

Krešimir Pavelić CROATIA SECRETARY GENERAL

Jeannette Ridder-Numan NETHERLANDS Finance Committee CHAIR

**Frédéric Dardel** FRANCE Finance Committee VICE-CHAIR

#### → STRATEGIC WORKING PARTY 2011

Ahmet Ademoğlu TURKEY

Frédéric Dardel FRANCE

Josiane Entringer LUXEMBOURG

Jan Grapentin GERMANY

Kalervo Hiltunen FINLAND

Leszek Kaczmarek POLAND

Toivo Maimets ESTONIA CHAIR

M. Angela Nieto SPAIN

Mark Palmer UNITED KINGDOM

Krešimir Pavelić CROATIA

Jeannette Ridder-Numan NETHERLANDS

Glauco Tocchini-Valentini ITALY

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

EMBC Delegates met in two formal sessions in 2011 (in June and November). The EMBC Finance Committee and the EMBC Strategic Working Party also met in June; the decisions and actions resulting from these meetings are listed below.

#### **Financial matters**

- EMBC accepted the accounts for 2010 and noted the reports of the external and internal auditors.
- The budget for 2012 was approved.

#### **EMBC** decisions and actions

- EMBC agreed to prolong the Agreement establishing the European Molecular Biology Conference beyond 2 April 2013. This prolongation is for an indefinite period.
- At the November meeting, EMBC heard a detailed report from EMBO on the delivery of the EMBC General Programme.
- The EMBC Special Project supporting Strategic Development Installation Grants (known as *EMBO Installation Grants*) received 27 applications. Seven scientists were selected to receive funding from the participating member states as of 2012.
- Conference agreed to include the *Science Policy Programme* into its General Programme.
- EMBC renewed its cooperation agreement with the Republic of South Africa and signed a cooperation agreement with Singapore.
- EMBC agreed to negotiate cooperation agreements with India and Chinese Taipei.

### EMBC actions 2011

#### Election of Officers for 2012

- Toivo Maimets (Estonia) was re-elected President of EMBC for 2012. Leszek Kaczmarek (Poland) and Angela Nieto (Spain) were elected Vice-Presidents for 2012.
- *Krešimir Pavelić* (Croatia) was re-appointed EMBC Secretary General for 2012.

#### → EMBC MEMBER STATES

The following countries are member states of the European Molecular Biology Conference (EMBC):

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
United Kingdom

#### → FINANCE COMMITTEE

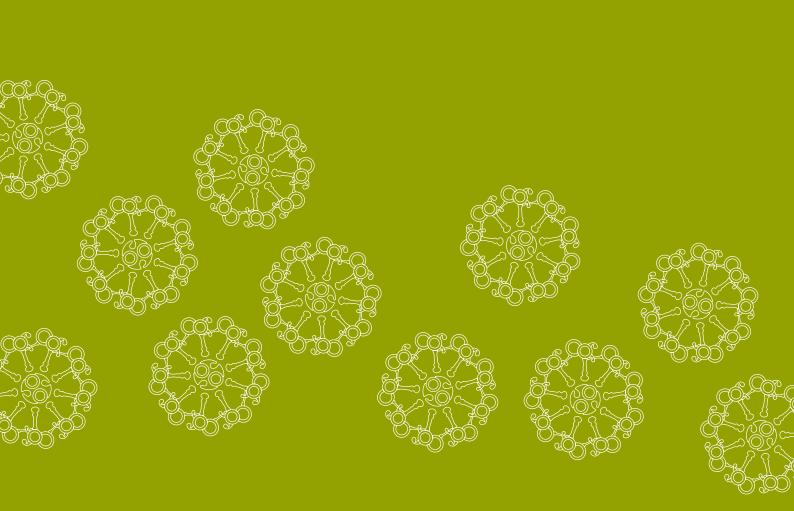
- **PERMANENT MEMBERS**
- France Germany Italy Spain United Kingdom

#### **ELECTED MEMBERS**

Finland Greece Ireland Netherlands Poland Portugal Sweden

→ For the scale of contributions by the individual EMBC Member States, see page 17.

→ EMBC Administrator Gitta Bourke gitta.bourke@embo.org T +49 6221 8891 117 F +49 6221 8891 202



# facts & figures 2011

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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.

#### embc@embo.org

Prof. Toivo Maimets EMBC President

**Prof. Krešimir Pavelić** EMBC Secretary General

#### Gitta Bourke EMBC Administrator

#### AUSTRIA

#### Prof. Annemarie Frischauf

Dept. of Molecular Biology University of Salzburg Hellbrunnerstrasse 34 AT-5020 Salzburg T+43 662 8044 5779 F+43 662 8044 144 annemarie.frischauf@sbg.ac.at

#### Dr Hemma Bauer

Bundesministerium für Wissenschaft und Forschung Referat VI/1a Rosengasse 2–6 AT–1014 Vienna T+43 1 53120 7120 F+43 1 53120 81 7120 hemma.bauer@bmwf.gv.at

#### BELGIUM

#### Prof. Marc van Montagu

IPBO Ghent University K.L. Ledeganckstraat 35 BE-9000 Ghent T+32 9 264 87 27 F+32 9 264 87 95 marc.vanmontagu@ugent.be

#### Dr Véronique Feys

Belgian Federal Science Policy Office Avenue Louise 231 BE-1050 Brussels T+32 2 238 34 86 F+32 2 230 59 12 veronique.feys@belspo.be

#### **Mr Vincent Meunier**

Belgian Federal Science Policy Office Avenue Louise 231 BE–1050 Brussels T+32 2 238 34 63 vincent.meunier@belspo.be

#### CROATIA

#### Prof. Krešimir Pavelić

University of Rijeka Dept. of Biotechnology Trg Brace Mazuranica 10 HR-51000 Rijeka T+385 99 730 5690 F+385 98 247 164 pavelic@biotech.uniri.hr

#### Dr Lovorka Barać Lauc

The National Foundation for Science, Higher Education and Technological Development of the Republic of Croatia Ilica 24 HR-10000 Zagreb T+385 51 228 692 F+385 51 271 085 Iblauc@nzz.hr

#### CZECH REPUBLIC

#### Dr Zdena Palkova

Dept. of Genetics and Microbiology Charles University Vinicná 5 CZ–12844 Prague 2 T+420 2 2195 1721 F+420 2 2195 1729 zdenap@natur.cuni.cz

#### Ms Jana Bystřická

Ministry of Education, Youth and Sports Dept. of International Cooperation Karmelitska 7 CZ-118 12 Prague T+420 257 139 24 F+420 257 193 790 jana.bystricka@msmt.cz

#### DENMARK

#### Prof. Jørgen Kjems

University of Aarhus Dept. of Molecular Biology iNANO C.F. Mollers Alle DK-8000 Aarhus C T+45 89 42 26 16 jk@mb.au.dk

#### Mr Jeppe Søndergaard Pedersen

Ministry of Science, Technology & Innovation DASTI Bredgade 40 DK-Copenhagen K T+457231 8285 jesp@fi.dk

#### ESTONIA

#### Prof. Toivo Maimets

Dept. of Cell Biology Institute of Molecular and Cell Biology University of Tartu Riia 23b–135 EE–51010 Tartu T+372 737 5028 F+372 742 0286 toivo.maimets@ut.ee

#### Dr Toivo Räim

Ministry of Education and Research Tallinn Office Tõnismägi 11 EE–15192 Tallinn T+372 735 0125 F+372 628 1390 toivo.raim@hm.ee

#### FINLAND

#### Prof. Eero Vuorio

Biocenter Finland University of Helsinki Cultivator 2 Viikinkaari 4 FI–00014 Helsinki T+358 50 415 6595 eeroxuorio@helsinki.fi

#### Prof. Kalervo Hiltunen

Dept. of Biochemistry University of Oulu Linnanmaa, Door H4 FI–90570 Oulu T+358 8 553 1151 F+358 8 553 1141 kalervo.hiltunen@oulu.fi

#### Dr Riitta Mustonen

Academy of Finland Hakaniemenranta 6 FI-00530 Helsinki T+358 9 7748 8220 F+358 9 7748 8299 riitta.mustonen@aka.fi anja.raatikainen@aka.fi

#### FRANCE

#### Prof. Frédéric Dardel

Faculty of Pharmacy University Paris Descartes 4 avenue de l'Observatoire FR-75006 Paris T+33 1 53 73 15 76 F+33 1 53 73 9 25 frederic.dardel@parisdescartes.fr

#### Ms Annaïg Le Guen

Ministère de l'Enseignement Supérieur et de la Recherche Direction Générale pour la Recherche et l'Innovation B3-Cellule des très grandes infrastructures de recherche 1, rue Descartes FR-75231 Paris Cedex 5 T+33155558088 annaig.le-guen@recherche.gouv.fr

#### GERMANY

#### **Dr Volker Wiesenthal**

Bundesministerium für Bildung und Forschung Referat 613 Hannoversche Straße 19 DE–10115 Berlin T +49 3018 57 5098 F+49 3018 57 85098 volker.wiesenthal@bmbf.bund.de

#### Dr Jan Grapentin

Bundesministerium für Bildung und Forschung Leiter des Referats 613 Hannoversche Straße 19 DE-10115 Berlin T+49 30 18 57 5439 F+49 30 18 57 85439 jan.grapentin@bmbf.bund.de

#### GREECE

#### Prof. Charalambos Savakis

Institute of Cell & Develop. Biology BSRC "Alexander Fleming" 34 Alexander Fleming Street GR-16672 Vari T+30 210 9656 310/173 F+30 210 965 3934 savakis@fleming.gr

#### Ms Eftichia Kolliakou

#### GSRT

International Organisations Division 14–18 Mesogeion Avenue GR–115 10 Athens T+30 210 7458115 F+30 210 7714153 ekol@gsrt.gr

#### HUNGARY

#### Ms Katalin Hajós

Deputy Head Hungarian Academy of Sciences Dept. for International Relations Nádor utca 7 HU-1051 Budapest T+36 1 411 6158 F+36 1 411 6160 khajos@office.mta.hu

#### Prof. Làszlò Patthy

Institute of Enzymology Biological Research Centre Karolina ut 29 HU–1113 Budapest T+36 1 209 3537 F+36 1 466 5465 patthy@enzim.hu

#### ICELAND

#### Dr Eiríkur Steingrímsson

Dept. of Biochemistry and Molecular Biology Faculty of Medicine University of Iceland Vatnsmyrarvegur 16 IS-101 Reykjavik T +354 525 4270 F +354 525 4886 eirikurs@hi.is

#### IRELAND

#### Mr Fergal Cullen

Office of Science, Technology & Innovation Dept. of Enterprise, Trade and Innovation 23 Kildare Street IE–Dublin 2 T+353 1 631 2477 F+353 1 631 28 12 fergal\_cullen@entemp.ie

#### Dr Graham Love

Science Foundation Ireland Wilton Park House Wilton Place IE–Dublin 2 T+353 1 607 3284 F+353 1 607 3163 graham.love@sfi.ie

#### **Dr Stephen Simpson**

Science Foundation Ireland Wilton Park House Wilton Place IE-Dublin 2 T+353 1 607 3212 F+353 1 607 3163 stephen.simpson@sfi.ie

#### ISRAEL

#### Dr Yossi Kalifa

Director of Life Sciences Research Ministry of Science and Technology Haqirya Hamizrahit, Bldg 3 PO. Box 49100 IL-91490 Jerusalem T +972 2 5411126 F +972 2 5322124 yossik@most.gov.il

#### Prof. Joel Sussman

Dept. of Structural Biology The Israel Structural Proteomics Center Weizmann Institute of Science IL-76100 Rehovot T+972 8 9344531 F+972 8 9346312 joel.sussman@weizmann.ac.il

#### ITALY

#### Prof. Glauco Tocchini-Valentini

Institute of Cell Biology, CNR Campus A. Buzzati-Traverso Via E. Ramarini 32 IT-00015 Monterotondo Scalo (RM) T+39 06 906 0317 F+39 06 900 91261 gtocchini@ibc.cn.it

#### Mr Augusto Cipollone

Ministero dell'Economia e delle Finanze Ragioneria Generale dello Stato – I.G.A.E. Uff. X Via XX Settembre no 97 IT–00187 Roma T+39 06 476 16933 augusto.cipollone@tesoro.it

#### LUXEMBOURG

#### **Ms Josiane Entringer**

Ministère de la Culture, de l'Enseignement Superieur et de la Recherche Departement Recherche et Innovation 20, Montée de la Petrusse LU–2912 Luxembourg T+352 247 85217 F+352 460 927 josiane.entringer@mesr.etat.lu

#### NORWAY

#### Prof. Anders Sundan

Dept. of Cancer Research & Mol. Medicine Faculty of Medicine Norwegian University of Science & Technology Olav Kyrres gt. 9 NO–7030 Trondheim T+47 73 598 667 F+47 73 598 801 anders.sundan@ntnu.no

#### Mr Jacob E. Wang

Research Council of Norway Stensberggata 26 NO–0131 Oslo T +47 22 03 73 25 F +47 22 03 72 50 jew@rcn.no

#### PORTUGAL

#### Ms Maria José Almeida

Foundation for Science and Technology (FCT) Av. D. Carlos I, 126-7° PT-1249-074 Lisbon T+351 21 391 15 29 F+351 21 395 72 84 m.j.almeida@fct.mctes.pt

#### Prof. Cláudio Sunkel

Institute for Molecular and Cell Biology (IBMC) University of Porto Rua do Campo Alegre 823 PT-4150-180 Porto T+351 22 607 49 00 F+351 22 609 91 57 cesunkel@ibmc.up.pt

#### NETHERLANDS

#### Dr Jeannette Ridder-Numan

Ministry of Education, Culture and Science IPC 4100 Rijnstraat 50 NL-2515 XP Den Haag T+31 70 412 4920 F+31 70 412 2525 j.w.a.ridder@minocw.nl l.perbal@minocw.nl

#### Prof. Gerrit van Meer

Bureau Faculteit Bètawetenschappen Budapestlaan 6 – kamer 001A NL–3584 CH Utrecht T +31 30 253 4628 g.vanmeer@uu.nl

#### POLAND

#### Ms Maria Klimkiewicz

Ministry of Science and Higher Education Dept. of Science Policy Instruments ul. Wspolna 1/3 PL-00-529 Warsaw 53 T+48 22 628 32 89 F+48 22 628 35 34 maria.klimkiewicz@mnisw.gov.pl

#### Prof. Leszek Kaczmarek

Dept. of Molecular and Cellular Neurobiology Nencki Institute Pasteura 3 PL-02-093 Warsaw T +48 22 6503001 F +48 22 8225342 I.kaczmarek@nencki.gov.pl

#### SLOVAK REPUBLIC

#### Dr Silvia Pastoreková

Institute of Virology Slovak Academy of Sciences Dubravska cesta 9 SK-845 05 Bratislava T +421 2 59 30 24 04 F +421 2 54 77 42 84 virusipa@savba.sk

#### Prof. Ján Turňa

Slovak Centre of Scientific and Technical Information Lamacska cesta 8/A SK–811 04 Bratislava T+4212 69 25 31 02 turna@cvctisr.sk

#### SLOVENIA

#### Dr Boris Turk

Dept. of Biochemistry and Molecular and Structural Biology J. Stefan Institute Jamova 39 SI-1000 Ljubljana T+386 1 477 37 72 F+386 1 477 39 84 boris.turk@ijs.si

#### Dr Marija Škerlj

Ministry of Higher Education, Science and Technology International Cooperation Office Kotnikova 38 SI-1000 Ljubljana T +386 1 478 46 96 F +386 1 478 47 19 marija.skerlj@gov.si

#### SPAIN

#### Prof. M. Angela Nieto

Head of Developmental Neurobiology Institute of Neurosciences CSIC–UMH Avda. Ramon y Cajal s/n ES–03550 San Juan de Alicante T +34 965 919243 F +34 965 919561 anieto@umh.es

#### Dr Benjamín Sanchez Gimeno

Assistant to Deputy General International Programmes & Organisms Ministerio de Ciencia e Innovación C/ Albacete, 5, 5a Planta ES-28027 Madrid T+34 91 603 70 44 F+34 91 603 70 99 benjamin.sanchez@micinn.es

#### Mr Luis E. Ruiz López de la Torre Ayllón

Head of Area DG International Large Facilities & Organizations Ministerio de Ciencia e Innovación C/ Albacete, 5, 7a planta ES-28027 Madrid T +34 91 603 83 41 F +34 91 603 70 86 luis.ruizl@micinn.es

#### SWEDEN

#### Prof. Dick Heinegård

Connective Tissue Biology Lund University BMC, C12 SE-221 84 Lund T +46 46 222 8571 F +46 46 211 3417 dick.heinegard@med.lu.se

#### Dr Maria Thuveson

Swedish Research Council Västra Järnvägsgatan 3 SE – 101 38 Stockholm T +46 8 546 44 193 maria.thuveson@vr.se

#### SWITZERLAND

#### Dr Isabella Beretta

State Secretariat for Education and Research Multilateral Research Cooperation Hallwylstrasse 4 CH-3003 Bern T+41 31 322 84 17 F+41 31 322 78 54 isabella.beretta@sbf.admin.ch

#### Prof. Rolf Zeller

Developmental Genetics DKBW Centre for Biomedicine University of Basel, Medical School Mattenstrasse 28 CH-4058 Basel T+41 61 267 27 25/ +41 61 695 30 33 F+41 61 267 39 59/ +41 61 695 30 32 rolf.zeller@unibas.ch

#### TURKEY

#### Prof. Ahmet Ademoğlu

Biomedical Engineering Institute Bogazici University Bebek TR-34342 Istanbul T+90 212 259 64 18 F+90 212 257 50 30 ademoglu@boun.edu.tr

#### UNITED KINGDOM

#### Dr Mark Palmer

Head of International Strategy Medical Research Council One Kemble Street GB–London WC2B 4AN T +44 20 7395 2209 mark.palmer@headoffice.mrc.ac.uk

#### Mr Tim Willis

Biotechnology and Biological Sciences Research Council North Star Avenue Polaris House GB–Swindon SN2 1UH T +44 1793 414651 F +44 1793 413203 tim.willis@bbsrc.ac.uk

#### Mr Bruce Minty

Medical Research Council (MRC) 14th Floor One Kemble Street GB-London WC2B 4AN T+44 1793 416200 bruce.minty@headoffice.mrc.ac.uk

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2011

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	2011-2013	Geneviève Almouzni	FR–Paris
	2009–2011	Andrea Ballabio	IT–Naples
	2009–2011	Patrick Charnay	FR–Paris
	2010-2012	Pascale Cossart	FR–Paris
	2007-2009, 2010-2012	Ari Helenius	CH–Zürich
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Name	Institute	Research interest
Gregers Rom Andersen	University of Aarhus Denmark	Structure dermination of large macromolecules
Claudia Bagni	University of Rome <i>Tor Vergata,</i> Italy Catholic University of Leuven & VIB11, Belgium	Molecular studies of synaptic plasticity
Yohanns Bellaïche	Institute Curie Paris, France	Epithelial tissue polarization and morphogenesis
David Bensimon	ENS, CNRS, Paris, France University of California, Los Angeles, United States	From single molecule biophysics to single cell physiology
Nica Borgese	CNR Institute of Neuroscience, Milano, Italy University of Catanzaro <i>Magna Greacia</i> , Catanzaro, Italy	Biogenesis of the ER in mammalian cells
Alexander Borst	Max Planck Institute of Neurobiology Martinsried, Germany	Information processing in the fly visual system
Catherine Dargemont	Université Paris Diderot Paris, France	Ubiquitin conjugation and mRNA biogenesis
Bernard De Massy	Institut de Génétique Humaine Montpellier, France	Meiosis and recombination
Michelle Debatisse	Institute Curie Paris, France	Replication and genome instability in human cells
Olivier Delattre	Institute Curie Paris, France	Genetics and biology of paediatric cancers
Volker Dötsch	Goethe University Frankfurt, Germany	Structural and functional characterization of proteins
Gian Paolo Dotto	University of Lausanne Epalinges, Switzerland	Epithelial self renewal and carcinogenesis
Gordon Dougan	Sanger Institute, Wellcome Trust Cambridge, United Kingdom	The genomics of host-pathogen interactions

Name	Institute	Research interest
Bruce Edgar	University of Heidelberg Germany	Control cell growth and proliferation in Drosophila
Santiago F. Elena	Institute for Plant Molecular and Cell Biology (IBMCP) Valencia, Spain	Evolutionary and systems biology of RNA viruses
Maurizio Gatti	University of Rome <i>La Sapienza</i> Italy	Chromosome organization and cell division in Drosophila
Hermann E. Gaub	LMU Munich Germany	Single molecule biophysics
Christian Griesinger	Max Planck Institute for Biophysical Chemistry Göttingen, Germany	NMR-based structural biology
Ian D. Hickson	University of Copenhagen Denmark	Chromosome maintenance through DNA repair
David W. Holden	Imperial College London United Kingdom	Mechanisms of Salmonella pathogenesis
Patrick Lemaire	CRBM Montpellier, France	Genomic encoding of shape in tunicates
Xin Lu	LICR, University of Oxford United Kingdom	Molecular mechanisms of cell fate determination
Mark Marsh	University College London United Kingdom	Cellular mechanisms of virus entry and exit
Cathie R. Martin	John Innes Centre Norwich, United Kingdom	Metabolic and developmental cell specification in plants
Andrew Millar	University of Edinburgh United Kingdom	Systems analysis of biological timing in plants
Edvard Moser	Norwegian University for Science and Technology Trondheim, Norway	Spatial representation in the mammalian brain
Jürg Müller	Max Planck Institute of Biochemistry Martinsried, Germany	Chromatin and transcription in Drosophila
Karla Neugebauer	Max Planck Institute of Molecular Cell Biology and Genetics Dresden, Germany	Transcription and RNA processing in living cells
David Owen	Cambridge Institute for Medical Research Wellcome Trust Cambridge, United Kingdom	Transport vesicle and organelle biogenesis

Name	Institute	Research interest		
Peep Palumaa	Tallinn University of Technology Estonia	Homeostasis of zinc and copper in health and disease		
Yitzhak Pilpel	Weizmann Institute of Science Rehovot, Israel	Systems biology and genomics of regulatory networks		
Jordan Raff	University of Oxford United Kingdom	Centriole and centrosome function in Drosophila		
lvan Raška	Charles University in Prague Prague, Czech Republic	Functional organization of the cell nucleus		
Maria Rescigno	European Institute of Oncology Milan, Italy	Dendritic cells in health and disease		
David Ron	University of Cambridge United Kingdom	The endoplasmic reticulum unfolded protein response		
Botond Roska	Friedrich Miescher Institute for Biomedical Research Basel, Switzerland	Structure, function and repair of visual circuits		
David C. Rubinsztein	University of Cambridge United Kingdom	Huntington's disease, neurodegeneration and autophagy		
Federica Sallusto	Institute for Research in Biomedicine Bellinzona, Switzerland	T cells in immunity and autoimmunity		
Dietmar Schmucker	Catholic University of Leuven, VIB Belgium	Molecular mechanisms and specificity of neuronal wiring		
Dominique Soldati-Favre	University of Geneva Switzerland	Intracellular parasitism by the Apicomplexa		
Jussi Taipale	Karolinska Institute Stockholm, Sweden	Growth control and cancer		
Andreas Trumpp	University of Heidelberg Germany	Stem cells and cancer		
Jörg Vogel	University of Würzburg Germany	RNA biology and bacterial pathogenesis		

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Name	Institute	Research interest
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Susan Lindquist	Howard Hughes Medical Institute Whitehead Institute for Biomedical Research Cambridge, United States	The protein folding problem in normal biology and disease
Norbert Perrimon	Harvard Medical School Boston, United States	Homeostasis regulation and tissue regeneration in <i>Drosophila</i>

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EMBO Molecular Medicine

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# EMBO Long-Term Fellowships $\rightarrow \rightarrow$

#### EMBO Long-Term Fellowships: Statistics

Applications and awards 1977-2011

Applications		LOII	
Year	Applications	Awards	Success rate %
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	790	178	22
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
1992	626	142	23
1991	571	139	24
1990	526	123	23
1989	460	118	26

Year	Applications	Awards	Success rate %
1988	455	141	31
1987	383	120	31
1986	333	90	27
1985	340	92	27
1984	305	112	37
1983	294	103	35
1982	276	91	33
1981	274	111	41
1980	242	108	45
1979	254	101	40
1978	235	101	43
1977	236	94	40

### EMBO Long-Term Fellowships: Statistics

### Applications and awards 2000-2011

Country from	Applications	% of total	Awards	% of total	Success rate %
Austria	192	1	59	2	31
Belgium	210	2	38	2	18
Croatia	70	<1	14	<1	20
Czech Republic	122	<1	19	<1	16
Denmark	98	<1	22	<1	22
Estonia	13	<1	0	0	0
Finland	143	1	26	1	18
France	2521	18	406	17	16
Germany	1539	11	411	17	27
Greece	293	2	59	2	20
Hungary	171	1	25	1	15
Iceland	16	<1	2	<1	13
Ireland	128	<1	16	<1	13
Israel	754	5	144	6	19
Italy	974	7	142	6	15
Luxembourg	1	<1	1	<1	100
The Netherlands	485	4	116	5	24
Norway	26	<1	4	<1	15
Poland	230	2	37	2	16
Portugal	319	2	72	3	26
Slovak Republic	20	<1	3	<1	15
Slovenia	41	<1	2	<1	5
Spain	1748	13	199	8	11
Sweden	495	4	68	3	14
Switzerland	213	2	62	3	29
Turkey	107	<1	12	<1	11
United Kingdom	626	5	98	4	16
Eastern Europe	317	2	34	1	11
USA/Canada	579	4	134	6	23
Others	1516	11	230	9	15
Total	13967	100	2455	100	18

Full name	Nationality	warded in 2011   EMBC M Home laboratory	Group leader	Host laboratory	Project
<b>Braunschweig,</b> Ulrich	Austrian	The Netherlands Cancer Institute, Amsterdam, The Netherlands	Blencowe, Benjamin	University of Toronto, Canada	Chromatin-based mechanisms of alternative splicing regulation
<b>Fuhrmann,</b> Jakob	Austrian	Institute of Molecular Pathology, Vienna, Austria	Thompson, Paul	Scripps Research Institute Florida, United States	Development of inhibitors and chemical probes for studying the prevalence of protein arginine phosphorylation
<b>Krachler,</b> Anne-Marie	Austrian	University of Texas Southwestern Medical Center, Dallas, United States	May, Robin	University of Birmingham, United Kingdom	Determining the role of <i>Cryptococcus</i> phospholipase B1 in pathogen escape from the phagosome
<b>Lagger,</b> Sabine	Austrian	Medical University of Vienna, Austria	Bird, Adrian	University of Edinburgh, United Kingdom	The contribution of histone deacetylases to the emergence of Rett syndrome investigated by <i>in vitro</i> and <i>in vivo</i> mouse model systems
<b>Leeb,</b> Martin	Austrian	Institute of Molecular Pathology, Vienna, Austria	Smith, Austin	University of Cambridge, United Kingdom	Mechanisms of fate choice and determination of identity during pluripotent stem cell differentiation
<b>Lichtenberger,</b> Beate	Austrian	Medical University of Vienna, Austria	Watt, Fiona	Cancer Research UK, Cambridge Research Institute, United Kingdom	Mechanism by which epidermal Wnt activation induces dermal reprogramming
<b>Schlager,</b> Benjamin	Austrian	University of California San Francisco, United States	Hafen, Ernst	Swiss Federal Institute of Technology, Zurich, Switzerland	Grasping growth: Using mass cytometry to probe the Insulin/TOR signalling network in single cells and organs
<b>Depuydt,</b> Matthieu	Belgian	De Duve Institute, Brussels, Belgium	Herrmann, Johannes	Technical University of Kaiserslautern, Germany	Protecting mitochondrial cysteines from overoxidation
<b>Lassance,</b> Jean-Marc	Belgian	Lund University, Sweden	Hoekstra, Hopi	Harvard University, Cambridge, United States	Uncovering pheromone receptors in deer mice <i>Peromyscus</i> spp.
<b>Vanneste,</b> David	Belgian	Centre for Genomic Regulation, Barcelona, Spain	Verstreken, Patrik	Catholic University, Leuven, Belgium	Unraveling new mechanisms of vesicle trafficking at synapses: Identification and characterization of kinase LRRK2 interactors in synaptic transmission context
<b>Borgia,</b> Madeleine	British	University of Cambridge, United Kingdom	Schuler, Benjamin	University of Zurich, Switzerland	Single-molecule fluorescence studies of protein folding and dynamics on the ribosome
<b>Bowman,</b> Andrew	British	Wellcome Trust Centre for Gene Expression and Regulation, Dundee, United Kingdom	Ladurner, Andreas	Ludwig Maximilian University, Munich, Germany	Assembling the building blocks of the genome
<b>Brierley,</b> David	British	King's College London, United Kingdom	Zipursky, Stephen	University of California, Los Angeles, United States	Neural circuit formation in the visual system of Drosophila
<b>Chell,</b> James	British	The Gurdon Institute, Cambridge, United Kingdom	Frisén, Jonas	Karolinska Institute, Stockholm, Sweden	In vivo neurogenesis from quiescent parenchymal astrocytes

#### EMBO Long-Term Fellowships awarded in 2011 | EMBC Member States' nationals

EMBO Long-Ter	m Fellowships a	warded in 2011   EMBC M	Aember States' na	tionals	
Full name	Nationality	Home laboratory	Group leader	Host laboratory	Project
<b>Church,</b> Christopher	British	Medical Research Council, Harwell, United Kingdom	Rodeheffer, Matthew	Yale University, New Haven, United States	The control of fat mass in obesity: The molecular and cellular regulation of adipose tissue stem cells
<b>Croxford,</b> Andrew	British	University of Zurich, Switzerland	Becher, Burkhard	Institute of Experimental Immunology, Zurich, Switzerland	Analyzing mechanisms of IL-35-mediated immune suppression <i>in vivo</i>
<b>King,</b> Graeme	British	University of Bristol, United Kingdom	Wuite, Gijs	Free University of Amsterdam, The Netherlands	Quantifying the biophysical properties of DNA
<b>Moore,</b> Hayley	British	University of Dundee, United Kingdom	Agami, Reuven	The Netherlands Cancer Institute, Amsterdam, The Netherlands	Genome-wide analysis of microRNA and target mRNA interactions following genotoxic stress
<b>Robinson,</b> Sarah	British	John Innes Centre, Norwich, United Kingdom	Kuhlemeier, Cris	University of Bern, Switzerland	Endocytosis of auxin transporters: The missing link between mechanics and morphology?
<b>Siddle,</b> Hannah	British	University of Sydney, Australia	Kaufman, James	University of Cambridge, United Kingdom	Immune escape strategies of a contagious cancer: Interactions of NK cell receptors and ligands in devil facial tumour disease
<b>Skene,</b> Peter	British	Wellcome Trust Centre for Cell Biology, Edinburgh, United Kingdom	Groudine, Mark	Fred Hutchinson Cancer Research Center, Seattle, United States	Transcriptional memory in iPSCs: Suppression of H3.3 deposition to increase therapeutic potential
<b>Wang,</b> Zhen	British	Medical Research Council Laboratory of Molecular Biology, Cambridge, United Kingdom	Le Hir, Hervé	French National Center for Scientific Research, Paris, France	Role of the EJC in splicing regulation in mammalian cells
<b>Waterhouse,</b> Robert	British	University of Geneva Medical School, Switzerland	Kellis, Manolis	Massachusetts Institute of Technology, Cambridge, United States	Comparative evolutionary and functional genomics of disease-vector Anopheles mosquitoes
<b>Young,</b> Stephen	British	University of Cambridge, United Kingdom	Ueda, Masahiro	Osaka University, Japan	Single molecule analysis of multi-protein complex kinetics controlling chemotactic cell migration
<b>Mozgova,</b> Iva	Czech	Masaryk University, Brno, Czech Republic	Hennig, Lars	Uppsala Biocenter, Sweden	Regulation of plant cell differentiation state
<b>Friedländer,</b> Marc	Danish	Max Delbrueck Center for Molecular Medicine, Berlin, Germany	Estivill, Xavier	Centre for Genomic Regulation, Barcelona, Spain	A human brain transcriptome atlas for identification and classification of long non-coding RNAs (BrainTransAt)
<b>Greisen,</b> Per Jr.	Danish	Technical University of Denmark, Lyngby, Denmark	Baker, David	University of Washington, Seattle, United States	<i>De novo</i> design of functional metal sites in proteins
<b>Scheel,</b> Troels	Danish	Copenhagen University Hospital, Hvidovre, Denmark	Rice, Charles	The Rockefeller University, New York, United States	Role of viral RNA-binding proteins during infections

### EMBO Long-Term Fellowships awarded in 2011 | EMBC Member States' nationals

Full name	Nationality	warded in 2011   EMBC N Home laboratory	Group leader	Host laboratory	Project
<b>Toft,</b> Christina	Danish	Uppsala University, Sweden	Barrio, Eladio	University of Valencia, Spain	Understanding the emergence of novel functions in <i>Saccharomyces</i> chimerical genomes
<b>Hilbrands,</b> Robert	Dutch	Brussels Free University, Belgium	Waldmann, Herman	Oxford University, United Kingdom	Regulatory T cell vaccination as a novel approach to treat immune mediated disease
<b>Huijbers,</b> Willem	Dutch	University of Amsterdam, The Netherlands	Sperling, Reisa	Harvard University, Charlestown, United States	Is amyloid the cause of memory impairment in ageing?
<b>Kloosterman,</b> Tomas	Dutch	University of Groningen, The Netherlands	Errington, Jeff	Newcastle University Medical School, United Kingdom	Identification and characterization of factors involved in chromosome organisation and septume positioning in bacteria
<b>Korzelius,</b> Jerome	Dutch	Utrecht University, The Netherlands	Edgar, Bruce	German Cancer Research Center, Heidelberg, Germany	Studying cell type-specific dynamics of Rb/E2F transcriptional regulation in the Drosophila midgut
<b>Tanenbaum,</b> Marvin	Dutch	University Medical Center Utrecht, The Netherlands	Vale, Ronald D.	University of California, San Francisco, United States	Control of protein aggregates by microtubule motor proteins
<b>Van Der Lelij,</b> Petra	Dutch	Free University Medical Center, Amsterdam, The Netherlands	Peters, Jan-Michael	Institute of Molecular Pathology, Vienna, Austria	Elucidating the function of ESCO1 and ESCO2 in establishing sister chromatid cohesion in the mammalian cell
<b>Van Der Vaart,</b> Babet	Dutch	Erasmus Medical Center, Rotterdam, The Netherlands	Westermann, Stefan	Institute of Molecular Pathology, Vienna, Austria	Systematic analysis of +TIP networks in budding yeast
<b>Van Der Veen,</b> Annemarthe	Dutch	Whitehead Institute for Biomedical Research, Cambridge, United States	Reis e Sousa, Caetano	Cancer Research UK, London Research Institute, United Kingdom	Mechanistic insight into DNGR-1-mediated cross-presentation
<b>Verzijlbergen,</b> Kitty	Dutch	The Netherlands Cancer Institute, Amsterdam, The Netherlands	Marston, Adele	University of Edinburgh, United Kingdom	Studying the mechanism by which crossovers are suppressed in the vicinity of the centromere during meiotic recombination
<b>Kleino,</b> Anni	Finnish	University of Tampere, Finland	Silverman, Neal	University of Massachusetts Medical School, Worcester, United States	RYBP, a novel innate immune signalling component
Barberon, Marie	French	Institute of Integrative Plant Biology, Montpellier, France	Geldner, Niko	University of Lausanne, Switzerland	Molecular dissection of endodermis function in nutrient homeostasis in higher plants
Bard, Lucie	French	University of Bordeaux, France	Rusakov, Dmitri	University College London/Institute of Neurology, United Kingdom	Astrocytic regulation of synaptic function <i>via</i> release of D-serine: Molecular mechanisms

### EMBO Long-Term Fellowships awarded in 2011 | EMBC Member States' nationals

Full name	Nationality	Home laboratory	Group leader	Host laboratory	Project
<b>Beckert,</b> Bertrand	French	Institute for Molecular and Cell Biology, Strasbourg, France	Beckmann, Roland	Ludwig Maximilian University, Munich, Germany	Cryo-EM analysis of the ribosome–SRP–SR complex bound to the protein-conducting channel within a membrane environment
<b>Bellon,</b> Anaïs	French	Institute of Developmental Biology of Marseille Luminy, France	Holt, Christine	University of Cambridge, United Kingdom	Role of micro-RNAs in axon guidance and in mRNA-specific local translation
<b>Chambouvet,</b> Aurelie	French	Natural History Museum, London, United Kingdom	Richards, Thomas	Natural History Museum, London, United Kingdom	Emerging protist parasites of frogs: Global prevalence and host/parasite interaction
<b>Estermann,</b> Fanny	French	Salk Institute for Biological Studies, La Jolla, United States	Le Cam, Laurent	French National Institute for Health and Medical Research, Paris, France	E4F1 protein, a potential oncogene and its interaction with Bmi1 during leukaemic development
<b>Fabre,</b> Caroline Cécile Gabrielle	French	Institute of Developmental Biology of Marseille Luminy, France	Goodwin, Stephen	University of Oxford, United Kingdom	Exploring the neural mechanisms underlying substrate-borne acoustical communication during male courtship in <i>Drosophila</i> <i>melanogaster</i>
<b>Fitamant,</b> Julien	French	Centre Léon Bérard, Lyon, France	Bardeesy, Nabeel	Harvard Medical School, Boston, United States	The role of the Mst-Yap signalling pathway in liver progenitor cells and liver cancer pathogenesis
<b>Fourniol,</b> Franck	French	Birkbeck College, London, United Kingdom	Surrey, Thomas	Cancer Research UK, London Research Institute, United Kingdom	Elucidation of anaphase midzone organisation from the molecular to the systems level
<b>Gautier,</b> Antoine	French	University of Cambridge, United Kingdom	Schertler, Gebhard	Paul Scherrer Institut, Villigen, Switzerland	Structure and dynamics of G protein-coupled receptors by NMR spectroscopy
<b>Guichard,</b> Paul	French	Institute Curie, Orsay, France	Gönczy, Pierre	Swiss Federal Institute of Technology, Lausanne, Switzerland	Dissecting the mechanisms of cartwheel and centriole assembly
<b>Henri,</b> Julien	French	University of Paris XI, Orsay, France	Lima, Christopher	Memorial Sloan-Kettering Cancer Center, New York, United States	RNA processing and degradation: Structural and functional characterization of TRAMP complexes
<b>Izoré,</b> Thierry	French	Institute of Structural Biology, Grenoble, France	Löwe, Jan	Medical Research Council Laboratory of Molecular Biology, Cambridge, United Kingdom	Molecular mechanism of cell shape determination by bacterial actin MreB
<b>Jegouic,</b> Sophie	French	University of St Andrews, United Kingdom	Elliott, Richard	University of St Andrews, United Kingdom	Roles of lipid rafts and viperin during the replication cycle of bunyaviruses
<b>Krebs,</b> Arnaud	French	Institute of Genetics and Molecular and Cellular Biology, Illkirch, France	Schübeler, Dirk	Friedrich Miescher Institute, Basel, Switzerland	Systematic identification of DNA sequence determinants of epigenetic states
<b>Larrieu,</b> Delphine	French	Albert Bonniot Institute, Grenoble, France	Jackson, Stephen P.	The Gurdon Institute, Cambridge, United Kingdom	Involvement of Lamin A/C in the DNA- damage response: Links between the nuclear lamina, cancer and premature-ageing syndromes

Full name	Nationality	Home laboratory	Group leader	Host laboratory	Project
<b>Lesburgueres,</b> Edith	French	University of Bordeaux 1, Talence, France	Fenton, Andre	New York University, United States	Impact of the stress-induced out of context activation of memory on the PKM -mediated memory maintenance
<b>Malet,</b> Helene	French	University of London, United Kingdom	Cusack, Stephen	European Molecular Biology Laboratory, Grenoble, France	Towards a mechanistic model of segmented negative sense RNA virus transcription: structural analysis of <i>Bunyavirus</i> and Influenza virus polymerases
<b>Marlétaz,</b> Ferdinand	French	University of the Mediterranean, Marseille, France	Arendt, Detlev	European Molecular Biology Laboratory, Heidelberg, Germany	Molecular approach to the origin of central nervous systems: Clues from molluscs
<b>Muniz,</b> Lisa	French	Paul Sabatier University, Toulouse, France	West, Steven, James	Wellcome Trust Centre for Cell Biology, Edinburgh, United Kingdom	Nuclear surveillance of aberrantly spliced pre-mRNA and its impact on transcription
<b>Peyraud,</b> Rémi	French	Swiss Federal Institute of Technology, Lausanne, Switzerland	Genin, Stéphane	French Plant Genomic Resource Center, Castanet Tolosan, France	System level investigation of <i>Ralstonia</i> solanacearum metabolic and regulatory networks during plant infection
<b>Reymann,</b> Anne-Cécile	French	Institute of Life Sciences Research and Technologies, Grenoble, France	Grill, Stephan	Max Planck Institute for Cell Biology and Genetics, Dresden, Germany	Zooming in on actomyosin cortical dynamics: Cortical regrowth after laser ablation
<b>Schellenberger,</b> Pascale	French	University of Oxford, United Kingdom	Grunewald, Kay	University of Oxford, United Kingdom	Structural insight into the molecular mechanism governing the assembly of caveolae
<b>Tardat,</b> Mathieu	French	Montpellier Institute of Molecular Genetics, France	Peters, Antoine	Friedrich Miescher Institute, Basel, Switzerland	Characterizing the role of Cbx proteins in Polycomb Repressive Complex 1 (PRC1) targeting for stem cell identity <i>in vitro</i> and <i>in vivo</i>
<b>Tran-Van-Minh,</b> Alexandra	French	University College London, United Kingdom	DiGregorio, David	Pasteur Institute, Paris, France	In vitro and in vivo examination of the spatial and temporal distribution of synaptic inputs and synaptic integration in layer 2/3 visual cortical neurons
<b>Valentin,</b> Guillaume	French	European Molecular Biology Laboratory, Heidelberg, Germany	Oates, Andrew	Max Planck Institute for Cell Biology and Genetics, Dresden, Germany	How do gradients of growth factors cause oscillating cells to slow and arrest during zebrafish somitogenesis?
<b>Widiez,</b> Thomas	French	The State University of New Jersey, New Brunswick, United States	Paszkowski, Jerzy	University of Geneva, Switzerland	Stress induced-epigenetic variations in the haploid moss <i>Physcomitrella patens</i>
<b>Ahmed,</b> Kashan	German	Max Planck Institute for Heart and Lung Research, Bad Nauheim, Germany	Stoffel, Markus	Swiss Federal Institute of Technology, Zurich, Switzerland	Biological role of microRNA-200-family in pancreatic beta-cell function and metabolic regulation
<b>Altmeyer,</b> Matthias	German	University of Zurich, Switzerland	Lukas, Jiri	Institute of Cancer Biology, Copenhagen, Denmark	Identification and functional characterization of DNA double strand break induced ubiquitylation targets

Full name	Nationality	Home laboratory	Group leader	Host laboratory	Project
<b>Banzhaf,</b> Manuel	German	Newcastle University, United Kingdom	Kirchhausen, Tomas	Harvard Medical School, Boston, United States	Protein complexes regulating clathrin coat assembly
<b>Belgardt,</b> Bengt	German	University of Cologne, Germany	Stoffel, Markus	Swiss Federal Institute of Technology, Zurich, Switzerland	Functional analysis of the miRNA 192/194 cluster in the regulation of metabolism and carcinogenesis
<b>Busskamp,</b> Volker	German	Friedrich Miescher Institute, Basel, Switzerland	Church, George	Harvard Medical School, Boston, United States	De novo neurogenesis in decellularized retinal scaffolds
<b>Czopka,</b> Tim	German	Ruhr University, Bochum, Germany	Ffrench-Constant, Charles	The University of Edinburgh, United Kingdom	Forward and reverse genetic dissection of central nervous system myelination using zebrafish
<b>Denzel,</b> Martin	German	Sanford-Burnham Medical Research Institute, La Jolla, United States	Antebi, Adam	Max Planck Institute for Biology of Ageing, Cologne, Germany	Systemic coordination of protein homeostasis and ageing
<b>Diepold,</b> Andreas	German	Biocenter, University of Basel, Switzerland	Armitage, Judith P.	University of Oxford, United Kingdom	Structural and functional adaptation of the type III secretion systems in response to external cues
<b>Distel,</b> Martin	German	Helmholtz Center, Munich, Germany	Traver, David	University of California, San Diego, United States	<i>In vivo</i> investigation of leukemogenesis in zebrafish
<b>Ehrensberger,</b> Andreas	German	Stanford University, United States	Svejstrup, Jesper Q.	Cancer Research UK, London Research Institute, United Kingdom	Reprogramming native chromatin towards pluripotency
<b>Elsaesser,</b> Simon	German	The Rockefeller University, New York, United States	Chin, Jason W.	Medical Research Council Laboratory of Molecular Biology, Cambridge, United Kingdom	Testing the epigenetic nature of chromatin states with genetically encoded lysine methylation and engineered biotin-tagging
<b>Elsholz,</b> Alexander	German	E.M.Arndt University, Greifswald, Germany	Losick, Richard	Harvard College, Cambridge, United States	Deciphering distinct signal transduction mechanisms involved in biofilm formation <i>via</i> the sensor kinase KinC in the soil- dwelling low GC, Gram-positive bacteria <i>Bacillus subtilis</i>
<b>Engel,</b> Philipp	German	Biocenter, University of Basel, Switzerland	Moran, Nancy	Yale University, New Haven, United States	Single-cell genomics and functional characterization of honey bee symbionts
<b>Erhardt,</b> Marc	German	University of Utah, Salt Lake City, United States	Schwaller, Beat	University of Fribourg, Switzerland	Functional characterization of neuroactive toxins using an engineered bacterial type III secretion system
<b>Fischer,</b> Matthias	German	University of British Columbia, Vancouver, Canada	Schlichting, Ilme	Max Planck Institute for Medical Research, Heidelberg, Germany	Molecular basis of parasitism by virophages on giant DNA viruses
Frauenfeld,	German	University of Munich,	Nordlund,	Karolinska Institute, Stockholm, Sweden	Structural studies of the human concentrative nucleoside transporter 3

•	Fellowships a	warded in 2011   EMBC N	Nember States' nat	ionals	
Full name	Nationality	Home laboratory	Group leader	Host laboratory	Project
<b>Gerhold,</b> Joachim Matthias	German	Institute for Genetic and Metabolic Disease, Nijmegen, The Netherlands	Spelbrink, Johannes N.	Radboud University Nijmegen Medical Centre, The Netherlands	Protein islands in a membrane sea: Do mitochondrial lipid-microdomains play a role in mtDNA maintenance, organization and dynamics?
<b>Groth,</b> Martin	German	University of Munich, Planegg-Martinsried, Germany	Jacobsen, Steven	University of California, Los Angeles, United States	Epigenetic gene regulation by SUVR5 in response to endogenous and environmental signals
<b>Gruber,</b> Ralph	German	Fritz Lipmann Institute, Jena, Germany	Behrens, Axel	Cancer Research UK, London Research Institute, United Kingdom	Molecular dissection of ATMIN-dependent ATM signalling
<b>Grundemann,</b> Jan	German	Friedrich Miescher Institute, Basel, Switzerland	Lüthi, Andreas	Friedrich Miescher Institute for Biomedical Research, Basel, Switzerland	Probing axonal plasticity in fear learning
<b>Haeussler,</b> Maximilian	German	University of Manchester, United Kingdom	Haussler, David	University of California, Santa Cruz, United States	Annotation of biomedical datasets with sequences extracted from scientific articles
<b>Hellmich,</b> Ute	German	Goethe University, Frankfurt, Germany	Gaudet, Rachelle	Harvard University, Charlestown, United States	Biophysical and structural characterization of transient receptor potential vanilloid (TRPV) channels
<b>Hirsch,</b> Sibylle	German	University of Ghent, Belgium	Grossniklaus, Ueli	University of Zurich, Switzerland	The role of epigenetic regulation in plant evolution and adaptation
<b>Kirchner,</b> Henriette	German	German Institute of Human Nutrition, Nuthetal, Germany	Zierath, Juleen	Karolinska Institute, Stockholm, Sweden	Tissue-specific DNA methylation in the development of type 2 diabetes mellitus
<b>Kleppe,</b> Maria	German	Catholic University, Leuven, Belgium	Levine, Ross L.	Memorial Sloan-Kettering Cancer Center, New York, United States	Molecular dissection of cytokine-mediated inflammation in JAK2-dependent myeloproliferative neoplasms
<b>Köster,</b> Darius Vasco	German	Institute Curie, Paris, France	Mayor, Satyajit	National Centre for Biological Science, Bangalore, India	Deciphering the role of active remodeling of cortical actin on the spatiotemporal organization of cell surface molecules using an <i>in vitro</i> assay
<b>Kratz,</b> Katja	German	University of Zurich, Switzerland	de Lange, Titia	The Rockefeller University, New York, United States	Mechanistic insights into repression of ATR signalling at telomeres by shelterin
<b>Lipp,</b> Jesse	German	Max Planck Institute of Cell Biology and Genetics, Dresden, Germany	Shokat, Kevan	University of California, San Francisco, United States	A chemical genetics approach on how cell signalling controls pre-mRNA splicing
<b>Lippmann,</b> Juliane	German	Charité School of Medicine, Berlin, Germany	Enninga, Jost	Pasteur Institute, Paris, France	Impact of intracellular localization dynamics of invasive bacterial pathogens on host immune response signatures in single cells
<b>Loose,</b> Martin	German	Biotechnology Institute, Dresden, Germany	Mitchison, Timothy	Harvard Medical School, Boston, United States	In vitro reconstitution of archaeal cell division

Full name	Nationality	Home laboratory	Group leader	Host laboratory	Project
<b>Mayer,</b> Mirjam	German	Max Planck Institute of Molecular Cell Biology and Genetics, Dresden, Germany	Reddien, Peter	Whitehead Institute for Biomedical Research, Cambridge, United States	The scaling and regeneration of tissue pattern in <i>Planaria</i>
<b>Mueller,</b> Judith	German	Theodor Boveri Institute, Wuerzburg, Germany	Peeper, Daniel	The Netherlands Cancer Institute, Amsterdam, The Netherlands	Identification of genetic alterations causing senescence bypass in human melanomagenesis
<b>Neubauer,</b> Cajetan	German	Medical Research Council Laboratory of Molecular Biology, Cambridge, United Kingdom	Newman, Dianne	California Institute of Technology, Pasadena, United States	Steroid-analogs in bacteria: Functional and structural studies of proteins that bind hopanoids
<b>Olzscha,</b> Heidi	German	Max Planck Institute of Biochemistry, Martinsried, Germany	La Thangue, Nicholas B.	University of Oxford, United Kingdom	Influence of histone deacetylases on protein quality control mechanisms
<b>Owald,</b> David	German	Charité School of Medicine, Berlin, Germany	Waddell, Scott	Oxford Centre for Neural Circuits and Behaviour, United Kingdom	Making memories in the mushroom bodies
<b>Pott,</b> Johanna	German	Hanover Medical School, Germany	Maloy, Kevin	Sir William Dunn School of Pathology, Oxford, United Kingdom	Control of homeostasis and inflammation at the intestinal mucosa by autophagy
<b>Rauch,</b> Alexander	German	Leibniz Institute for Age Research, Jena, Germany	Mandrup, Susanne	University of Southern Denmark, Odense, Denmark	Transcriptional regulation of mesenchymal differentiation
<b>Richter,</b> Ricarda	German	Newcastle University, United Kingdom	Langer, Thomas	University of Cologne, Germany	Regulation of mitochondrial dynamics and genome stability by the Prohibitin-mAAA-protease complex
<b>Scheuermann,</b> Johanna	German	Max Planck Institute of Biochemistry, Martinsried, Germany	Boyer, Laurie	Massachusetts Institute of Technology, Cambridge, United States	Investigating the role of the histone variant H2A.Z in cardiac lineage differentiation
<b>Schoepf,</b> Maria Barbara	German	University of Zurich, Switzerland	Zegerman, Philip	The Gurdon Institute, Cambridge, United Kingdom	The function of the checkpoint-mediated inhibition of DNA replication initiation
<b>Schröter,</b> Christian	German	Max Planck Institute for the Physics of Complex Systems, Dresden, Germany	Martinez Arias, Alfonso	University of Cambridge, United Kingdom	Dynamics and origin of stochastic gene expression in mouse embryonic stem cells
<b>Schulte,</b> Doerte	German	Max Planck Institute for Molecular Biomedicine, Muenster, Germany	Schulte-Merker, Stefan	Hubrecht Institute for Developmental Biology and Stem Cell Research, Utrecht, The Netherlands	Characterization of the role of CCBE1 during development and disease

EMBO Long-Term	Fellowships a	warded in 2011   EMBC N	Nember States' na	tionals	
Full name	Nationality	Home laboratory	Group leader	Host laboratory	Project
<b>Schulze,</b> Sabrina	German	Max Planck Institute for Biophysics, Frankfurt am Main, Germany	Newstead, Simon	University of Oxford, United Kingdom	Characterization of the structural and biophysical properties of the PAT amino acid transporters, novel regulators of TORC1- mediated growth
<b>Schweikert,</b> Gabriele	German	Friedrich Miescher Laboratory of the Max Planck Society, Tuebingen, Germany	Sanguinetti, Guido	University of Edinburgh, United Kingdom	Machine learning approaches to epigenomic research
<b>Schwessinger,</b> Benjamin	German	Norwich Research Park, United Kingdom	Ronald, Pamela	University of California, Davis, United States	Elucidation of the molecular mechanisms regulating non-RD kinase action
<b>Schwickert,</b> Tanja	German	The Rockefeller University, New York, United States	Busslinger, Meinrad	Institute of Molecular Pathology, Vienna, Austria	Regulatory elements and factors controlling contraction of the immunoglobulin heavy- chain locus during VDJ recombination
<b>Siegel,</b> Gabriele	German	University of Heidelberg, Germany	Rajendran, Lawrence	University of Zurich, Switzerland	Characterizing the regulatory role of microRNAs during Alzheimer's disease onset and progression
<b>Siegert,</b> Sandra	German	Friedrich Miescher Institute, Basel, Switzerland	Tsai, Li-Huei	Massachusetts Institute of Technology, Cambridge, United States	The role of microRNA-137 and its target genes in the development of neurological phenotypes in schizophrenia
<b>Stein,</b> Amelie	German	Institute for Research in Biomedicine, Barcelona, Spain	Kortemme, Tanja	University of California, San Francisco, United States	Combining computation and experiment to dissect and reengineer bacterial sensing
<b>Stengel,</b> Florian	German	University of Oxford, United Kingdom	Aebersold, Ruedi	Swiss Federal Institute of Technology, Zurich, Switzerland	The assembly mechanism of higher order protein complexes
<b>Stiess,</b> Michael	German	German Research Institute for Neurodegerative Diseases, Bonn, Germany	Pieters, Jean	University of Basel, Switzerland	Involvement of G-protein coupled receptors in signalling pathways of leukocyte activation
<b>Tritschler,</b> Felix	German	Max Planck Institute for Developmental Biology, Tuebingen, Germany	Ban, Nenad	Swiss Federal Institute of Technology, Zurich, Switzerland	Crystallographic characterization of eukaryotic initiation factor 3 in complex with the 40 S ribosomal subunit
<b>Von Der Malsburg,</b> Nee Wagner, Karina	German	Freiburg University, Germany	Hegde, Ramanujan	Medical Research Council Laboratory of Molecular Biology, Cambridge, United Kingdom	Mechanisms of quality control for failed protein translocation
Wasmer, Christian	German	Swiss Federal Institute of Technology, Lausanne, Switzerland	Wagner, Gerhard	Harvard Medical School, Boston, United States	Structure of the eukaryotic initiation factor complex eIF4G/eIF4A/eIF4H and routes for inhibition
<b>Moressis,</b> Anastasios	Greek	Institute of Cellular and Developmental Biology, Vari, Greece	Friedrich, Rainer	Friedrich Miescher Institute, Basel, Switzerland	Dopaminergic modulation of neuronal circuit function in the zebrafish olfactory system

Full name	Nationality	Home laboratory	Group leader	Host laboratory	Project
<b>Rapti,</b> Georgia	Greek	Ecole Normale Superieure, Paris, France	Shaham, Shai	The Rockefeller University, New York, United States	Assembly of the Caenorhabditis elegans brain
<b>Valmas,</b> Charalampos	Greek	Mount Sinai School of Medicine, New York, United States	Martín-Serrano, Juan	King's College London, United Kingdom	Functional characterization of ESCRT-I
<b>Sheridan,</b> Clare	Irish	Trinity College Dublin, Ireland	Downward, Julian	Cancer Research UK, London Research Institute, United Kingdom	Involvement of Ras-PI3K interaction in Ras-driven tumor maintenance
<b>Erez,</b> Yaara	Israeli	Tel Aviv University, Israel	Duncan, John	Medical Research Council Laboratory of Molecular Biology, Cambridge, United Kingdom	Complex task representation and control in human and monkey brain
<b>Geva-Zatorsky,</b> Naama	Israeli	Weizmann Institute of Science, Rehovot, Israel	Kasper, Dennis	Harvard Medical School, Boston, United States	The human microflora as an immune system
<b>Hai,</b> Aviad	Israeli	Hebrew University of Jerusalem, Israel	Jasanoff, Alan	Massachusetts Institute of Technology, Cambridge, United States	Development and application of novel MRI sensors for the direct detection of neural activity
<b>London,</b> Nir	Israeli	The Hebrew University, Jerusalem, Israel	Shoichet, Brian	University of California, San Francisco, United States	A computational platform for covalent chemical probe discovery
<b>Mahamid,</b> Julia	Israeli	Weizmann Institute of Science, Rehovot, Israel	Baumeister, Wolfgang P.	Max Planck Institute of Biochemistry, Martinsried, Germany	Supramolecular and functional architecture of centrosomes at the nano-scale
<b>Mayshar,</b> Yoav	Israeli	Hebrew University of Jerusalem, Israel	Church, George	Harvard Medical School, Boston, United States	Analysis of DNA replication dynamics through single molecule detection of multiple genomic loci in parallel
<b>Parnas,</b> Oren	Israeli	Tel Aviv University, Israel	Cullen, Bryan Richard	Duke University Medical Center, Durham, United States	Mechanism of action of <i>Herpes simplex</i> virus microRNAs
<b>Rothschild,</b> Gideon	Israeli	The Hebrew University, Jerusalem, Israel	Frank, Loren	University of California, San Francisco, United States	Dissecting the neural mechanism of distributed memory representations
<b>Schajnovitz,</b> Amir	Israeli	Weizmann Institute of Science, Rehovot, Israel	Scadden, David	Massachusetts General Hospital, Boston, United States	Real time analysis of leukaemic cell interactions and communication during induction chemotherapy
<b>Schwartz,</b> Schraga	Israeli	Weizmann Institute of Science, Rehovot, Israel	Lander, Eric S.	Broad Institute, Cambridge, United States	The 5th base of mRNA: Breaking the Code of the N6-methyladenine methylome
<b>Tsvetkov,</b> Peter	Israeli	Weizmann Institute of Science, Rehovot, Israel	Lindquist, Susan	Whitehead Institute for Biomedical Research, Cambridge, United States	The effect of ageing on neuronal CPEB prion switching in yeast

Full name	Nationality	warded in 2011   EMBC N Home laboratory	Group leader	Host laboratory	Project
<b>Weidberg,</b> Hilla	Israeli	Weizmann Institute of Science, Rehovot, Israel	Amon, Angelika	Koch Institute for Integrative Cancer Research, Cambridge, United States	Characterizing the effect of aneuploidy on the intracellular protein quality control and degradation systems
<b>Yogev,</b> Shaul	Israeli	Weizmann Institute of Science, Rehovot, Israel	Shen, Kang	Stanford University, United States	Investigating local translation in <i>C. elegans</i> neurons
<b>Ariel,</b> Federico Damian	Italian	National University of the Littoral, Santa Fe, Argentina	Crespi, Martin	Plant Science Institute, Gif sur Yvette, France	Long non-protein coding RNAs in the environmental control of <i>Arabidopsis</i> root developmental plasticity
<b>Balestrini,</b> Alessia	Italian	Cancer Research UK, London Research Institute, United Kingdom	Petrini, John	Memorial Sloan-Kettering Cancer Center, New York, United States	RPA sumoylation in the suppression of genome instability and maintenance of tissue homeostasis
<b>Bellocchio,</b> Luigi	Italian	University Bordeaux 2 , France	Guzman Pastor, Manuel	Complutense University of Madrid, Spain	Selective excitotoxicity of striatal medium spiny neurons in the pathogenesis of Huntington's disease: Role of direct <i>versus</i> indirect pathway
<b>Clerici,</b> Marcello	Italian	European Molecular Biology Laboratory, Grenoble, France	Sixma, Titia K.	The Netherlands Cancer Institute, Amsterdam, The Netherlands	Mechanisms of ubiquitin specific proteases regulation by partner factors
<b>Fava,</b> Luca	Italian	Biocentre, University of Basel, Switzerland	Villunger, Andreas	Innsbruck Medical University, Austria	Orchestration of caspase activation by Bcl-2 family proteins upon extended mitotic arrest
<b>Fumagalli,</b> Matteo	Italian	Scientific Institute Eugenio Medea, Bosisio Parini, Italy	Nielsen, Rasmus	University of California, Berkeley, United States	Development and application of a computational strategy to detect and characterize signatures of environmental genetic adaptation in the human genome
<b>Giorgetti,</b> Luca	Italian	European Institute of Oncology, Milano, Italy	Heard, Edith	Curie Institute, Paris, France	Determining the structure of the X chromosome with an integrated approach combining biochemistry, high-resolution microscopy and modelling
<b>Laurino,</b> Paola	Italian	Max Planck Institute for Colloids and Interfaces, Berlin, Germany	Tawfik, Dan S.	Weizmann Institute of Science, Rehovot, Israel	Novel enzymes by cofactor engineering
<b>Mainardi,</b> Marco	Italian	Neuroscience Institute, Pisa, Italy	Ben-Ari, Yehezkel	University of the Mediterranean, Marseille, France	Alterations in the oxytocin-chloride axis as a pathogenetic factor for infantile autistic syndrome
<b>Manzoni,</b> Romilde	Italian	FIRC Institute of Molecular Oncology, Milan, Italy	Posas, Francesc	Pompeu Fabra University, Barcelona, Spain	Quantitative analysis of signal transduction pathways and design of engineered cells for <i>in vivo</i> biological computation
<b>Martini,</b> Francisco José	Italian	Institute of Neurosciences of Alicante, Spain	Mrsic-Flogel, Thomas	University College London, United Kingdom	Cortical network dynamics during visual processing
<b>Marucci,</b> Lucia	Italian	University of Naples Federico II, Italy	Cosma, Maria Pia	Centre for Genomic Regulation, Barcelona, Spain	Mathematical modelling of Wnt/ beta-catenin dependent somatic cell reprogramming

Full name	Nationality	Home laboratory	Group leader	Host laboratory	Project
Morsut, Leonardo	Italian	University of Padua, Italy	Lim, Wendell	University of California, San Francisco, United States	Perturbative and synthetic study of the developmental program of branching morphogenesis
<b>Pucci,</b> Ferdinando	Italian	San Raffaele Research Institute, Milan, Italy	Pittet, Mikael	Harvard Medical School, Boston, United States	Identification of cancer-associated endocrine factors that stimulate the tumor-promoting myeloid expansion
<b>Puddu,</b> Fabio	Italian	University of Milan, Italy	Costanzo, Vincenzo	Cancer Research UK, London Research Institute, United Kingdom	Revealing the structure of replication intermediates during stressed DNA replication
<b>Rivetti Di Val Cervo,</b> Pia	Italian	University of Tor Vergata, Roma, Italy	Arenas, Ernest	Karolinska Institute, Stockholm, Sweden	Generation of inducible midbrain dopamine neurons from somatic cells <i>in vitro</i> and <i>in vivo</i>
<b>Roselli,</b> Francesco	Italian	Max Planck Institute of Psychiatry, Munich, Germany	Caroni, Pico	Friedrich Miescher Institute, Basel, Switzerland	Convergence of pathogenic pathways in motoneuron diseases
<b>Santaguida,</b> Stefano	Italian	European Institute of Oncology, Milan, Italy	Amon, Angelika	Koch Institute for Integrative Cancer Research, Cambridge, United States	Development of aneuploidy-selective compounds as cancer therapeutics
<b>Schiavone,</b> Davide	Italian	University of Turin, Italy	Sale, Julian	Medical Research Council Laboratory of Molecular Biology, Cambridge, United Kingdom	Replication-induced epigenetic instability
<b>Valnegri,</b> Pamela	Italian	Institute of Neuroscience, Milano, Italy	Bonni, Azad	Harvard Medical School, Boston, United States	Regulation of presynaptic differentiation by the Cdc20-APC/NeuroD2 signalling pathway
<b>Verde,</b> Gaetano	Italian	Institute of Genetics and Biophysics, Naples, Italy	Beato, Miguel	Centre for Genomic Regulation, Barcelona, Spain	Characterization of the role of DNA methylation, hydroxymethylation and TET proteins in progesterone-mediated gene regulation in breast cancer cells
<b>Valen,</b> Eivind	Norwegian	University of Copenhagen, Denmark	Schier, Alexander	Harvard University, Cambridge, United States	Identification and functional characterization of short peptides in zebrafish
<b>Ejsmont,</b> Radoslaw	Polish	Max Planck Institute of Molecular Cell Biology and Genetics, Dresden, Germany	Hassan, Bassem	Catholic University, Leuven, Belgium	Quantitative decoding of the transcriptional control of neural identity
<b>Graczyk,</b> Damian	Polish	Polish Academy of Sciences, Warsaw, Poland	White, Robert	Beatson Institute for Cancer Research, Glasgow, United Kingdom	Control of transcription by mammalian Maf1
<b>Oktaba,</b> Katarzyna	Polish	European Molecular Biology Laboratory, Heidelberg, Germany	Levine, Michael	University of California, Berkeley, United States	Exploring novel mechanisms of canalization in early <i>Drosophila</i> development

EMBO Long-Term	Fellowships a	warded in 2011   EMBC N	Nember States' nat	ionals	
Full name	Nationality	Home laboratory	Group leader	Host laboratory	Project
<b>Pawlowski,</b> Rafal	Polish	Cancer Research UK, London Research Institute, United Kingdom	Krek, Wilhelm	Swiss Federal Institute of Technology, Zurich, Switzerland	Regulation of renal cancer-associated alternative splicing by the VHL/HIF axis: Implication for renal cancer cell metabolism and proliferation
<b>Sedzinski,</b> Jakub	Polish	Max Planck Institute of Molecular Cell Biology and Genetics, Dresden, Germany	Wallingford, John	University of Texas, Austin, United States	The mechanism of neural tube closure in vertebrates using <i>Xenopus</i> embryos
<b>Swiech,</b> Lukasz	Polish	International Institute of Molecular and Cell Biology, Warsaw, Poland	Zhang, Feng	Broad Institute, Cambridge, United States	Reverse engineering the epigenetic mechanisms controlling learning and memory
<b>Correia Botelho Chaves Ferreira,</b> Ricardo	Portuguese	University of Minnesota, United States	Todd, John	The University of Cambridge, United Kingdom	Searching for inherited biomarkers in type 1 diabetes
<b>Cunha Luis,</b> Tiago	Portuguese	Erasmus Medical Centre, Rotterdam, The Netherlands	Jacobsen, Sten Eirik	University of Oxford, United Kingdom	Expression and role of thrombopoietin in hematopoietic stem cell niches
<b>Gonçalves,</b> Ricardo	Portuguese	University of Antwerp, Belgium	Ribeiro, Carlos	The Gulbenkian Institute, Oeiras, Portugal	Elucidating the molecular basis of food choice behavior
<b>Karam Teixeira,</b> Felipe	Portuguese	Institut de Biologie de l'Ecole Normale Supérieure, Paris, France	Lehmann, Ruth	Skirball Institute and Howard Hughes Medical Institute, New York, United States	Studying the mechanisms involved in the regulation of transposable element activity during <i>Drosophila</i> germline development
<b>Meireles Sousa,</b> Ana	Portuguese	University of Edinburgh, United Kingdom	Talbot, William		Discovery of new genes with essential functions in microglia development, migration and activation
<b>Mesquita,</b> Duarte	Portuguese	Institute for Research in Biomedicine, Barcelona, Spain	Jacinto, Antonio	Institute of Molecular Medicine, Lisboa, Portugal	Understanding growth termination during zebrafish fin regeneration
<b>Neto,</b> Goncalo	Portuguese	Institute of Genetics and Molecular and Cellular Biology, Illkirch, France	Veiga-Fernandes, Henrique	Institute of Molecular Medicine, Lisboa, Portugal	Retinoic acid signalling in enteric lymphoid organogenesis
<b>Pereira,</b> Carlos-Filipe	Portuguese	Imperial College, London, United Kingdom	Lemischka, Ihor	Black Family Stem Cell Institute, New York, United States	Programming hematopoietic stem cells for cell replacement therapy
<b>Portugal,</b> Silvia	Portuguese	National Institute of Allergy and Infectious Diseases, Rockville, United States	Crompton, Peter	National Institute of Allergy and Infectious Diseases, Rockville, United States	Immunological and molecular approaches to B cells' role in malaria naturally acquired immunity
<b>Ribeiro De</b> <b>Almeida,</b> Claudia	Portuguese	Erasmus Medical Center, Rotterdam, The Netherlands	Pombo, Ana	Imperial College London, United Kingdom	Metabolism control in embryonic stem cells pluripotency and differentiation

Full name	Nationality	warded in 2011   EMBC N Home laboratory	Group leader	Host laboratory	Project
<b>Santos,</b> Joana	Portuguese	University of Geneva Medical School, Switzerland	Llinás, Manuel	Princeton University, United States	Functional analysis of the ApiAP2 transcriptional regulators from the malaria parasite
<b>Ardevol,</b> Albert	Spanish	CoSMoLab, Barcelona Scientific Park, Spain	Parrinello, Michele	Swiss Federal Institute of Technology, Zurich, Switzerland	Study of the functional protein motion in adenylate kinase mutants by means of high-throughput computational method
<b>Beltran Nebot,</b> Manuel	Spanish	Municipal Institute of Medical Investigations, Barcelona, Spain	Jenner, Richard	University College London Cancer Institute, United Kingdom	The role of non-coding RNAs in the regulation of RNA processing and polycomb function
<b>Casañas,</b> Arnau	Spanish	Institute of Molecular Biology of Barcelona, Spain	Ban, Nenad	Swiss Federal Institute of Technology, Zurich, Switzerland	X-ray structure determination of the mammalian telomerase complex
<b>Corrionero,</b> Anna	Spanish	Centre for Genomic Regulation, Barcelona, Spain	Horvitz, H. Robert	Howard Hughes Medical Institute, Cambridge, United States	<i>In vivo</i> alternative splicing regulation of the antagonistic functions of the apoptotic factor ced-4
<b>Dopeso Gonzalez,</b> Jose Higinio	Spanish	University Hospital of Vall d'Hebron, Barcelona, Spain	Acker, Till	Justus Liebig University, Giessen, Germany	Regulation of epithelial-mesenchymal transition (EMT) in cancer cells by prolyl- hydroxylase 3 (PHD3)
<b>Galindo,</b> Antonio	Spanish	Centre of Biological Research, Madrid, Spain	Munro, Sean	Medical Research Council Laboratory of Molecular Biology, Cambridge, United Kingdom	Structural basis for the organelle specific activation of ARF
Gallego Bartolomé, Javier	Spanish	Molecular and Cellular Plant Biology, Valencia, Spain	Chory, Joanne	The Salk Institute for Biological Studies, La Jolla, United States	Cell-type specific responses to light and temperature in <i>Arabidopsis</i>
<b>Gomez Gonzalez,</b> Belen	Spanish	Andalusian Centre of Molecular Biology and Regenerative Medicine, Seville, Spain	Diffley, John F.X.	Cancer Research UK, London Research Institute, United Kingdom	Deciphering the role of S-phase checkpoints in the stabilization of replication forks
<b>Ibarra,</b> Arkaitz	Spanish	Spanish National Cancer Centre, Madrid, Spain	Hetzer, Martin	The Salk Institute for Biological Studies, La Jolla, United States	Role of nuclear pore components in chromatin organization and DNA replication
<b>Lopez Garrido,</b> Javier	Spanish	University of Seville, Spain	Pogliano, Kit	University of California, La Jolla, United States	Coordination of membrane migration during engulfment in <i>Bacillus subtilis</i>
Martínez-Martín, Nuria	Spanish	Center for Molecular Biology Severo Ochoa, Madrid, Spain	Batista, Facundo	Cancer Research UK, London Research Institute, United Kingdom	B cell activation: Modification of the molecular landscape of the B cell surface
Molina Jiménez, Mª Dolores	Spanish	University of Barcelona, Spain	Lepage, Thierry	French National Center for Scientific Research, Villefranche-sur-mer, France	Characterization of the molecular basis of the long range activity of Nodal and its mutual antagonism with BMP in patterning the hematopoietic precursors of the sea urchin Paracentrotus lividus

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Full name Moreno Morcillo, Maria	Nationality Spanish	Home laboratory European Institut of Chemistry and Biology, Pessac, France	Group leader Müller, Christoph W.	Host laboratory European Molecular Biology Laboratory, Heidelberg, Germany	Project Structural characterization of TFIIIB and its involvement in RNA Pol III transcription
<b>Perez Alvarez,</b> Alberto	Spanish	Spanish National Research Council, Madrid, Spain	Oertner, Thomas	Friedrich Miescher Institute for Biomedical Research, Basel, Switzerland	The role of intracellular organelles in the selective erasure of memories
Rafel Bergé, Neus	Spanish	Institute for Research in Biomedicine, Barcelona, Spain	Ohlstein, Benjamin	Columbia University Medical Center, New York, United States	Role of niche migration in the <i>Drosophila</i> larval midgut
<b>Regot,</b> Sergio	Spanish	Pompeu Fabra University, Barcelona, Spain	Covert, Markus	Stanford University, United States	Single cell analysis of the NF-ĸB signalling network in a dynamic environment
<b>Rodrigo,</b> Guillermo	Spanish	Molecular and Cellular Plant Biology, Valencia, Spain	Jaramillo, Alfonso	University of Evry, France	Computational design of RNA switches to rewire the bacterial stress response
<b>Rodriguez Mari,</b> Adriana	Spanish	University of Oregon, Eugene, United States	Raya, Ángel	Institute for Bioengineering of Catalonia, Barcelona, Spain	Zebrafish heart regeneration and human pluripotent stem cells as models to understand human cardiac muscle cell differentiation
<b>Rosello-Diez,</b> Alberto	Spanish	National Centre of Scientific Investigations, Madrid, Spain	Joyner, Alexandra	Sloan-Kettering Institute, New York, United States	Examining growth coordination between left and right sides of the developing vertebrate body
<b>Toledo,</b> Luis	Spanish	Spanish National Cancer Centre, Madrid, Spain	Lukas, Jiri	Institute of Cancer Biology, Copenhagen, Denmark	Search for novel molecular pathways involved in protecting chromosomes from replication stress
<b>Verdeguer,</b> Francisco	Spanish	University of Paris Descartes, France	Puigserver, Pere	Dana Farber Cancer Insitute/Harvard Medical School, Boston, United States	Epigenetic and transcriptional control of mitochondrial decline during ageing
<b>Chi,</b> Celestine	Swedish	Institute of Medical Microbiology and Biochemistry, Uppsala, Sweden	Riek, Roland	Swiss Federal Institute of Technology, Zurich, Switzerland	Towards a comprehensive description of motion and structure of an enzyme by NMR
<b>Mahmoudi,</b> Salah	Swedish	Karolinska Institute, Stockholm, Sweden	Brunet, Anne		To identify and functionally characterize long intergenic noncoding RNAs in adult neural stem cell function and maintenance
<b>Warnefors,</b> Maria	Swedish	University of Sussex, Brighton, United Kingdom	Kaessmann, Henrik	University of Lausanne, Switzerland	Genetic basis and functional consequences of protein-coding gene expression evolution in tetrapods
Eichhorn-Gruenig, Marielle	Swiss	University of Wisconsin- Madison, United States	Haucke, Volker	Free University of Berlin, Germany	Dissecting the role of intersectin 1 as a dynamic scaffold during synaptic vesicle cycling

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Full name	Nationality	Home laboratory	Group leader	Host laboratory	Project
<b>Lienert,</b> Florian	Swiss	Friedrich Miescher Institute, Basel, Switzerland	Silver, Pamela	Harvard Medical School, Boston, United States	Engineering a hypoxia-responsive memory circuit in mammalian cells
<b>Patthey,</b> Cedric	Swiss	University of Umea, Sweden	Shimeld, Sebastian	University of Oxford, United Kingdom	Evolution of placode-derived cell types assessed by transcriptome analysis
<b>Rebsamen,</b> Manuele	Swiss	University of Lausanne, Epalinges, Switzerland	Superti-Furga, Giulio	Center for Molecular Medicine, Vienna, Austria	Identification of cytoplasmic DNA sensor proteins mediating type I Interferon production using a proteomic screen
<b>Tschopp,</b> Patrick	Swiss	University of Geneva, Switzerland	Tabin, Clifford	Harvard Medical School, Boston, United States	Elucidating the transcriptional network downstream of canonical Wnt-signalling in the formation of synovial joints

Name	Mationality	warded in 2011   Non-EM Home laboratory	Group leader	Host laboratory	Project
Aman, Andy	US American	University of Utah, Salt Lake City, United States	Technau, Ulrich	University of Vienna, Austria	Molecular mechanisms underlying the segmentation of cnidarian endoderm
<b>Berlin,</b> Ilana	US American	The University of Chicago, United States	Neefjes, Jacques	The Netherlands Cancer Institute, Amsterdam, The Netherlands	Deubiquitination in control of the multivesicular body and MHC-II antigen presentation
<b>Doles,</b> Jason	US American	Koch Institute, Cambridge, United States	Keyes, Bill	Centre for Genomic Regulation, Barcelona, Spain	Defining age-associated senescence and malignant transformation in murine epithelial stem cells
<b>Fadok,</b> Jonathan	US American	University of Washington, Seattle, United States	Lüthi, Andreas	Friedrich Miescher Institute for Biomedical Research, Basel, Switzerland	Understanding the function of amygdala to basal forebrain projections using novel virus- based strategies and optogenetics.
<b>Fox,</b> Paul	US American	Washington University School of Medicine, St. Louis, United States	Brand, Andrea	University of Cambridge, United Kingdom	Interaction between microRNAs and Notch signalling in the regulation of symmetric <i>versus</i> asymmetric stem cell division
<b>Gill,</b> Mark	US American	Whitehead Institute for Biomedical Research, Cambridge, United States	Peters, Antoine	Friedrich Miescher Institute, Basel, Switzerland	Investigation of histone eviction and retention during mouse spermiogenesis
<b>Kumar,</b> Madhu	US American	Koch Institute, Cambridge, United States	Downward, Julian	Cancer Research UK, London Research Institute, United Kingdom	Examination of the GATA2 transcriptional network in oncogene-driven non-small cell lung cancer
<b>Lancaster,</b> Madeline	US American	University of California, San Diego, United States	Knoblich, Jürgen	Institute of Molecular Biotechnology, Vienna, Austria	Mechanisms of neurogenesis from flies to humans
<b>Lopez,</b> Jaime	US American	University of California, San Francisco, United States	Dikic, Ivan	Frankfurt Institute for Molecular Life Sciences, Germany	Investigating a functional interaction between Wrnip1 and Trf2 in telomere protection
<b>Pumplin,</b> Nathan	US American	Boyce Thompson Institute for Plant Research, Ithaca, United States	Voinnet, Olivier	Swiss Federal Institute of Technology, Zurich, Switzerland	Genetic, biochemical and cell biological mechanisms of virus silencing in plants
<b>Radoshevich,</b> Lilliana	US American	University of California, San Francisco, United States	Cossart, Pascale	Pasteur Institute, Paris, France	The role of the interferon-induced, ubiquitin- like protein ISG15 during bacterial infection
<b>Sosulski,</b> Dara	US American	Columbia University, New York, United States	Häusser, Michael	University College London, United Kingdom	Linking sensation to action: The neural representation of pup call vocalizations in mouse auditory cortex
<b>Spletter,</b> Maria	US American	Stanford University, United States	Schnorrer, Frank	Max Planck Institute of Biochemistry, Martinsried, Germany	Dissection of the Salm mediated transcriptional switch to fibrillar myogenesis
<b>Warner,</b> Lisa	US American	University of Colorado, Boulder, United States	Sattler, Michael	Helmholtz Center, Munich, Germany	A molecular basis for RNA recognition by RBM5

Name	Nationality	Home laboratory	Group leader	Host laboratory	Project
<b>Yamawaki,</b> Tracy	US American	Institute of Molecular Pathology, Vienna, Austria	Laurent, Gilles	Max Planck Institute for Brain Research, Frankfurt am Main, Germany	Functional analysis of cortical neuron subtypes in the turtle visual cortex
<b>Yao,</b> Chia-Min Andrea	US American	Yale University, New Haven, United States	Paoletti, Pierre	Institute of Biology, Paris, France	Biosensors for synaptic detection of zinc and D-serine, two atypical regulators of glutamatergic neurotransmission
<b>Abriata,</b> Luciano	Argentinian	Molecular and Cell Biology Institute of Rosario, Argentina	Dal Peraro, Matteo	Swiss Federal Institute of Technology, Lausanne, Switzerland	Experiment-based optimization of coarse- grained force fields for the simulation of protein dynamics over relevant timescales
<b>Alloatti,</b> Andrés	Argentinian	Molecular and Cell Biology Institute of Rosario, Argentina	Amigorena, Sebastian	Curie Institute, Paris, France	In vivo characterization of Sec22b, a protein involved in endoplasmic reticulum- phagosome interactions during antigen cross presentation in dendritic cells
<b>Ash,</b> Miriam-Rose	Australian	The University of Sydney, Australia	Nissen, Poul	University of Aarhus, Denmark	Structural determination of a lipid- translocating P-type ATPase
<b>De Graaf,</b> Carolyn	Australian	Walter and Eliza Hall Institute of Medical Research, Australia	van Steensel, Bas	The Netherlands Cancer Institute, Amsterdam, The Netherlands	Cis-acting determinants of DNA-nuclear lamina interactions in mammalian cells
<b>Feltham,</b> Rebecca	Australian	La Trobe University, Melbourne, Australia	Meier, Pascal	Chester Beatty Laboratories, London, United Kingdom	Ubiquitin-mediated regulation of NF-kappa and innate immune responses
<b>Lee,</b> Chun Pong	Australian	University of Heidelberg, Germany	Sweetlove, Lee	University of Oxford, United Kingdom	Dynamic regulation of mitochondria morphology by a mechanosensitive ion channel in Arabidopsis thaliana
<b>Marshall,</b> Owen	Australian	Murdoch Childrens Research Institute, Parkville, Australia	Brand, Andrea	The Gurdon Institute, Cambridge, United Kingdom	Induction and mechanisms of asymmetric cell division in <i>Drosophila</i> neurogenesis
<b>Fenselau De Felippes,</b> Felipe	Brazilian	Max Planck Institute for Developmental Biology, Tuebingen, Germany	Voinnet, Olivier	Swiss Federal Institute of Technology, Zurich, Switzerland	Characterization of the interactions and modifications affecting AtAGO1 function
<b>Krasteva,</b> Petya	Bulgarian	Cornell University, Ithaca, United States	Bayan, Nicolas	University of Paris X1, Orsay, France	Role of acylation and glycosylation in lipoprotein sorting and pathogenicity of Mycobacterium tuberculosis
<b>Bowerman,</b> Melissa	Canadian	Ottawa Hospital Research Institute, Canada	Raoul, Cedric	Institute for Neurosciences of Montpellier, France	The role of tweak in als neuroinflammation and motoneuron degeneration
<b>Caron,</b> Etienne	Canadian	University of Montreal, Canada	Serrano, Luis	Centre for Genomic Regulation, Barcelona, Spain	Comparative analysis of the absolute quantification of mRNA, protein and turnover between <i>Mycobacterium bovis</i> and <i>Mycobacterium tuberculosis</i>

		warded in 2011   Non-EA	Group leader	Host laboratory	Destaut
Name François, Moïra	Nationality Canadian	Home laboratory McGill University, Montreal, Canada	versity, Rankin, Imperial College Loi Canada Sara United Kingdom		Project Identification of chemokine receptors required for the trafficking and immunosuppressive properties of mesenchymal stromal cells in a murine model of acute graft <i>us</i> host disease
<b>Freiburger,</b> Lee	Canadian	McGill University, Montreal, Canada	Sattler, Michael	Helmholtz Center, Munich, Germany	The study of the chaperone protein HSP90 through the use of NMR, SAXS/SANS and ITC
<b>Fucile,</b> Geoffrey	Canadian	University of Toronto, Canada	Rochaix, Jean-David	University of Geneva, Switzerland	Elucidating the signalling network of photosynthetic acclimation in algae and land plants
<b>Kang,</b> Hyun-Seo	Canadian	University of British Columbia, Vancouver, Canada	Sattler, Michael	Helmholtz Center, Munich, Germany	Structural investigation of 3'-splice site recognition by hnRNP A1 and U2AF
L'Epicier- Sansregret, Laurent	Canadian	Rosalind and Morris Goodman Cancer Centre, Montreal, Canada	Petronczki, Mark	Cancer Research UK, London Research Institute, United Kingdom	Genetic dissection of the cellular response to aneuploidy
<b>Monaghan,</b> Jacqueline	Canadian	University of British Columbia, Vancouver, Canada	Zipfel, Cyril	John Innes Centre, Norwich, United Kingdom	Mechanisms regulating innate immunity in plants
<b>Ramer,</b> Leanne	Canadian	University of British Columbia, Vancouver, Canada	Carmeliet, Peter	Catholic University, Leuven, Belgium	The role of endothelial glutamine metabolism in the control of angiogenesis
<b>Richmond,</b> David	Canadian	University of California, Berkeley, United States	Oates, Andrew	Max Planck Institute for Cell Biology and Genetics, Dresden, Germany	Live imaging of the somitogenesis segmentation clock at cellular resolution
<b>Shlien,</b> Adam	Canadian	The Hospital for Sick Children, Toronto, Canada	Stratton, Michael	Wellcome Trust Sanger Institute, Cambridge, United Kingdom	Understanding in detail the abnormal state of the transcriptome in human breast cancer
<b>Gómez,</b> Andrea	Chilean	Pontifical Catholic University of Chile, Santiago, Chile	Mattevi, Andrea	University of Pavia, Italy	Structural and functional analysis of the interaction between LSD1 and CoREST2/3 proteins
<b>Chen,</b> Changchun	Chinese	Umea University, Sweden	de Bono, Mario	Medical Research Council Laboratory of Molecular Biology, Cambridge, United Kingdom	Globin-mediated oxygen sensing in <i>C. elegans</i>
<b>Wang,</b> He	Chinese	Stockholm University, Sweden	Wolf-Watz, Hans	Umea University, Sweden	Functional and structural analysis of the type III secretion system dependent protein translocation in <i>Yersinia</i>
<b>Chatterjee,</b> Abhishek	Indian	Texas A&M University, United States	Dickson, Barry J.	Institute of Molecular Pathology, Vienna, Austria	Circuit mechanism of multisensory integration in <i>Drosophila</i> courtship

Name	Nationality	Home laboratory	Group leader	Host laboratory	Project
<b>Chavali,</b> Sreenivas	Indian	University of Gothenburg, Sweden	Mohan, Madan Babu	Medical Research Council Laboratory of Molecular Biology, Cambridge, United Kingdom	The role of tandem repeats in linking genotype to phenotype
<b>Edwardraja,</b> Selvakumar	Indian	University at Buffalo, United States	Skerra, Arne	Technical University of Munich, Freising- Weihenstephan, Germany	Advanced engineering of anticalins derived from the human lipocalin 2 scaffold by introducing non-natural amino acids
<b>Hussain,</b> Tanweer	Indian	Centre for Cellular and Molecular Biology, Hyderabad, India	Ramakrishnan, Venki	Medical Research Council Laboratory of Molecular Biology, Cambridge, United Kingdom	To elucidate the structure of eukaryotic initiation complexes
<b>Kapuria,</b> Vaibhav	Indian	University of Michigan Comprehensive Cancer Center, Ann Arbor, United States	Herr, Winship	University of Lausanne, Switzerland	Mechanism of OGT-mediated HCF-1 proteolytic maturation and its role in HCF-1 cell cycle regulation
<b>Kesavan,</b> Gokul	Indian	Lund University, Sweden	Brand, Michael	Technical University, Dresden, Germany	Cell sorting and lineage specification at the midbrain-hindbrain boundary
<b>Kumar,</b> Rashmi	Indian	Center for Molecular Biology Severo Ochoa, Madrid, Spain	Casola, Stefano	FIRC Institute of Molecular Oncology, Milan, Italy	Contribution of secondary immunoglobulin heavy chain rearrangements to primary antibody diversification
<b>Mohammad,</b> Faizaan	Indian	Uppsala University, Sweden	Helin, Kristian	University of Copenhagen, Denmark	Identification and characterization of novel genes regulating glioblastoma
<b>Pandey,</b> Deo Prakash	Indian	University of Copenhagen, Denmark	Helin, Kristian	University of Copenhagen, Denmark	Characterization of the NSD family of histone methyltransferases in human disease
<b>Shukla,</b> Manu Shubhdarshan	Indian	Ecole Normale Superieure, Lyon, France	Allshire, Robin C.	University of Edinburgh, United Kingdom	CENP-A chromatin and the role of pericentromeric heterochromatin in centromere establishment in fission yeast
<b>Singh,</b> Ajeet	Indian	National Centre for Biological Sciences, Bangalore, India	Nüsslein-Volhard, Christiane	Max Planck Institute for Developmental Biology, Tuebingen, Germany	Genetic and cellular mechanisms underlying stripe pattern formation in the adult zebrafish (Danio rerio)
<b>Vembar,</b> Shruthi	Indian	University of Pittsburgh, United States	Scherf, Artur	Pasteur Institute, Paris, France	Role of the PfAlbas, a novel <i>Plasmodium</i> <i>falciparum</i> DNA and RNA binding protein family, in chromatin biology and RNA regulation
<b>Abedpour,</b> Nima	Iranian	Institute for Research in Fundamental Sciences, Tehran, The Islamic Republic of Iran	Kollmann, Markus	Heinrich Heine University, Duesseldorf, Germany	Scaling laws in complex adaptive systems
<b>Rahighi,</b> Simin	Iranian	Institute of Materials Structure Science, Tsukuba, Japan	Dikic, Ivan	Frankfurt Institute for Molecular Life Sciences, Germany	Investigation of the cell-death regulation by linear ubiquitylation

EMBO Long-Ter	m Fellowships a	warded in 2011   Non-EN	1BC Member States	'nationals	
Name	Nationality	Home laboratory	Group leader	Host laboratory	Project
<b>Tsuchimatsu,</b> Takashi	Japanese	University of Zurich, Switzerland	Nordborg, Magnus	Gregor Mendel Institute of Molecular Plant Biology, Vienna, Austria	The molecular basis for the evolution of flora traits associated with self-fertilization
<b>Yamashita,</b> Masami	Japanese	Max Planck Institute of Biochemistry, Martinsried, Germany	Conti, Elena	Max Planck Institute of Biochemistry, Martinsried, Germany	Mechanistic studies of mitotic entry: The interplay of Bora, Aurora-A and Plk1
<b>Yasugi,</b> Tetsuo	Japanese	University of Tokyo, Japan	Knoblich, Jürgen	Institute of Molecular Biotechnology, Vienna, Austria	Alternative splicing in neural stem cell development
<b>Hijazi,</b> Assia	Lebanese	Paul Sabatier University, Toulouse, France	Soba, Peter	Center for Molecular Neurobiology, Hamburg, Germany	Molecular control of neuron-glia adhesion and its role in sensory nervous system development
<b>Borg,</b> Joseph	Maltese	Mater Dei Hospital, Msida, Malta	Philipsen, Sjaak	Erasmus University Medical Center, Rotterdam, The Netherlands	Transcriptional regulation and control of globin gene switching: analysis of a KLF1- centered network
<b>Ciura,</b> Sorana	Romanian	McGill University, Montreal, Canada	Kabashi, Edor	Brain and Spine Institute, Paris, France	Physiological characterization of neurodegenerative models of mutant TDP- 43 and FUS transgenics
<b>Grinkevich,</b> Vera	Russian	Karolinska Institute, Stockholm, Sweden	Oliviero, Salvatore	University of Siena, Italy	Role of PIM-kinases in the control of transcription in stem cells and transformation
<b>Mikhaylova,</b> Marina	Russian	Leibniz Institute for Neurobiology, Magdeburg, Germany	Hoogenraad, Casper	Utrecht University, The Netherlands	Molecular mechanisms of synapto-dendritic cargo trafficking
<b>Slavic,</b> Ksenija	Serbian	St. George's University of London, United Kingdom	Mota, Maria Manuel	Institute of Molecular Medicine, Lisboa, Portugal	Molecular and functional studies of iron uptake and homeostasis in malarial parasites
<b>Wun,</b> Kwok	Singaporean	Monash University, Clayton, Australia	Jones, E. Yvonne	Wellcome Trust Centre for Human Genetics, Oxford, United Kingdom	Structural and biophysical investigations of the receptor protein tyrosine phosphatase (RPTP) interactions in signal transduction

# EMBO Long-Term Fellowships 2011: Geographical distribution

# Applications

Applications (interview) Destination	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	Total
Austria	1	1				_		2	4				_	_	2		3	-	1		• /		2	•.	2		1	1	2	8	30
Belgium	-	1		1				3	5				1		6		-		1				2		-		1	2	2	2	27
Croatia																															0
Czech Republic																													2	2	4
Denmark				1				1	2						2								3	2	2				1	7	21
Estonia						1																									1
Finland								2			1												1							4	8
France	1	3	1	1			1	13	6	2				1	19				3	6			14				2	6	12	22	113
Germany	1	2		3	3		1	10	12	5	2			1	9		6		3	6	1		16	1	2	2	6	3	11	37	143
Greece									1	4																					5
Hungary																				1											1
Iceland																															0
Ireland																											1			1	2
Israel								2	1		1			3	1				1	1			1	1						2	14
Italy			2					1	1						4				1				5					3	3	8	28
Luxembourg																															0
Netherlands	1	1						12	5	2	2			1	4		1	2	1	1		2	11			1	2	1	3	13	66
Norway	1				1				1								2	1					2	2					1	1	12
Poland																			1												1
Portugal								3	1											13			2	1			1	3		4	28
Slovak Republic																															0
Slovenia																															0
Spain	1		1		2		1	8	1	3	1				19				1	3	1	1	17		1		4	2	6	25	98
Sweden	2	1		2			2	6	10	3			1		5		3			1		1	10	3			4	2	4	10	70
Switzerland	1	2			1	1	2	21	24	1				1	11		3		1	2			8	2	2		3	2	8	17	113
Turkey																															0
UK	7	2		3		1	1	35	32	3			2	5	15		12		7	14	1		47	6	2		5	2	13	51	266
EMBL	1							2	6	2					1								2	2					3	2	21
Eastern Europe							1																								1
USA/Canada	6	6	2	2	5	1	4	84	70	6	8		5	81	34		27	1	11	25	2		72	10	5	13	30	1		5	516
Others	1	1				3		12	4		1			1	1		2		1	1			9	5			2				44
Total	24	20	6	13	12	7	13	217	186	31	16	0	9	94	133	0	59	4	33	74	5	4	224	35	16	16	62	28	71	221	1633

# EMBO Long-Term Fellowships 2011: Geographical distribution

### Awards

Awarus Aijuation Destination	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	Total
Austria									1						1		2								1				2	3	10
Belgium		1																	1										1		3
Croatia																															0
Czech Republic																															0
Denmark									2														1							3	6
Estonia																															0
Finland																															0
France								3	1						3								2				1	2	3	2	17
Germany		1						3	3					1			1						1		1		1		7	7	26
Greece																															0
Hungary																															0
Iceland																															0
Ireland																															0
Israel															1																1
Italy																												1		2	3
Luxembourg																															0
Netherlands									3						1												2	1	1	2	10
Norway																															0
Poland																															0
Portugal																				3								1			4
Slovak Republic																															0
Slovenia																															0
Spain					2										4								1						2		9
Sweden				1					2						1								3				1			1	9
Switzerland	1							6	9	1					1				1					2			3		4	3	31
Turkey																															0
UK	4							10	13	1			1	1	3		4		1	3			4		1		1		7	8	62
EMBL								2															1								3
Eastern Europe																															0
USA/Canada	2	1			2		1	3	19	1				11	6		2	1	3	5			8	1	2		4				72
Others									1																		1				2
Total	7	3	0	1	4	0	1	27	54	3	0	0	1	13	21	0	9	1	6	11	0	0	21	3	5	0	14	5	27	31	268

# EMBO Short-Term Fellowships $\rightarrow \rightarrow$

#### EMBO Short-Term Fellowships: Statistics

#### Applications and awards 1977–2011

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Year	Applications	Awards	Success rate %
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 2000-2011

Country from	Applications	% of total	Awards	% of total	Success rate %
Austria	48	1	25	1	52
Belgium	78	2	55	2	71
Croatia	39	1	21	1	54
Czech Republic	84	2	48	2	57
Denmark	24	1	13	1	54
Estonia	8	<1	5	<1	63
Finland	39	1	22	1	56
France	258	6	163	7	63
Germany	296	7	173	7	58
Greece	155	4	90	4	58
Hungary	105	2	63	3	60
Iceland	14	<1	9	<1	64
Ireland	43	1	26	1	60
Israel	162	4	106	5	65
Italy	678	16	344	15	51
Luxembourg	1	<1	1	<1	100
Netherlands	115	3	73	3	63
Norway	15	<1	7	<1	47
Poland	163	4	78	3	48
Portugal	104	2	56	2	54
Slovak Republic	10	<1	7	<1	70
Slovenia	46	1	22	1	48
Spain	698	16	365	16	52
Sweden	45	1	30	1	67
Switzerland	57	1	37	2	65
Turkey	88	2	37	2	42
United Kingdom	162	4	102	4	63
Eastern Europe	280	6	128	5	46
Other	536	12	243	10	45
Total	4351	100	2349	100	54

Name	Nationality	Host laboratory	Group leader	Home laboratory	Project
Nichols, Robert	US American	Centre for Genomic Regulation, Barcelona, Spain	Serrano, Luis	University of California, San Francisco, United States	Phenomic analysis of <i>M. pneumoniae</i>
<b>Comba,</b> Santiago	Argentinian	University of Groningen, The Netherlands	Takano, Eriko	Institute of Molecular and Cell Biology of Rosario, Argentina	Streptomyces synthetic biology and its use for high yield production of novel bioactive compounds
<b>D'Ippólito,</b> Sebastián	Argentinian	Wageningen University and Research Center, The Netherlands	Joosten, Matthieu H.A.J.	National University of Mar del Plata, Argentina	Functional genomics to study the role of auxin amidohydrolases in the resistance of crop plants to devastating pathogens
<b>Debernardi,</b> Juan Manuel	Argentinian	Wageningen University and Research Center, The Netherlands	Kaufmann, Kerstin	Institute of Molecular and Cell Biology of Rosario, Argentina	Genome-wide identification of direct targets of the GRF transcription factors
<b>Gonorazky,</b> Gabriela	Argentinian	Wageningen University and Research Center, The Netherlands	Joosten, Matthiue H.A.J.	National University of Mar del Plata, Argentina	Identification of phospholipase C isoforms that play a role in the nitric oxide signalling pathway induced by pathogen-derived molecules
<b>Mongelli,</b> Vanesa	Argentinian	Pasteur Institute, Paris, France	Saleh, Maria Carla	Biotechnology Institute/ National Institute for Agricultural Technology of Argentina, Buenos Aires, Argentina	Identification of <i>Mal de Rio Cuarto</i> virus (MRCV) proteins involved in RNAi-mediated antiviral immunity in the arthropod vector
<b>Palomino,</b> María	Argentinian	Imperial College London, UK	Gründling, Angelika	University of Buenos Aires, Argentina	Lipoteichoic acid synthesis and modification during osmotic stress in <i>Lactobacillus casei</i>
<b>Pergolesi,</b> María Fernanda	Argentinian	French Plant Genomic Resource Center, Castanet Tolosan, France	Berges, Helene	Institute of Genetics, Castelar, Argentina	Towards positional cloning of SV2, an adult plant wheat leaf rust resistance gene identified in the durable resistant variety Sinvalocho
<b>Porfido,</b> Jorge Luis	Argentinian	Institute for Hygiene and Microbiology, Wuerzburg, Germany	Brehm, Klaus	University of La Plata, Argentina	SiRNA-mediated Lipid Binding Protein (LBP) silencing in <i>Echinococcus multilocularis</i> and its impact on lipid metabolism and development
<b>Toscani,</b> Andres Martin	Argentinian	Max Planck Institute for Biophysical Chemistry, Goettingen, Germany	Jovin, Thomas	University of Buenos Aires, Argentina	Real-time visualization of EGFR-mediated activation of FAK in glioma cells
<b>Tossi,</b> Vanesa Eleonora	Argentinian	University of Glasgow, UK	Jenkins, Gareth	National University of Mar del Plata, Argentina	Nitric oxide (NO) effects on UV RESISTANCE LOCUS8 (UVR8) nuclear accumulation induced by UV-B
<b>Ver,</b> Lorena Soledad	Argentinian	University of California, San Diego, United States	Ellisman, Mark H.	National Center for Biotechnology, Madrid, Spain	Transport and assembly of the Influenza virus polymerase
<b>Lee,</b> Lawrence	Australian	University of Oxford, UK	Berry, Richard M.	The Victor Chang Cardiac Research Institute, Darlinghurst, Australia	Structural and functional characterisation of the bacterial flagellar motor

		awarded in 2011	Concern La L	the second second	Destant
Name	Nationality	Host laboratory	Group leader	Home laboratory	Project
<b>Mansell,</b> Ashley	Australian	University Clinic of Bonn, Germany	Latz, Eicke	Monash Institute of Medical Research, Melbourne, Australia	The use of Immunofluorescence to characterise pattern recognition receptor signalling in innate immunity
<b>Stojanovski,</b> Diana	Australian	Institute for Genetics, Cologne, Germany	Langer, Thomas	La Trobe Institute for Molecular Science/ La Trobe University, Melbourne, Australia	Cellular clearance mechanisms for mitochondrial intermembrane space proteins
<b>Aigner,</b> Harald	Austrian	Flanders Interuniversity for Biotechnology, Ghent, Belgium	Gevaert, Kris	Umea University, Sweden	Proteome analysis of Arabidopsis FtsH knock-out mutants using differential non-gel proteomics
<b>Dechat,</b> Thomas	Austrian	German Cancer Research Center, Heidelberg, Germany	Herrmann, Harald	Medical University of Vienna, Austria	The role of LAP2alpha in the assembly of lamin A
<b>Gössweiner-Mohr,</b> Nikolaus	Austrian	The Max Planck Institute of Biophysics, Frankfurt, Germany	Meier, Thomas	Karl Franzens University, Graz, Austria	Playing with cassettes: Cloning, identifying and co-expressing the key components of the pIP501 Gram-positive T4SS
<b>Hampoelz,</b> Bernhard	Austrian	European Molecular Biology Laboratory, Heidelberg, Germany	Ephrussi, Anne	Developmental Biology Institute of Marseille- Luminy, France	Regulation of mRNA transport by Ikk?
<b>Keller,</b> Markus Andreas	Austrian	University of Bergen, Norway	Martinez, Aurora	Innsbruck Medical University, Austria	Identification of pharmacological chaperones as potential therapeutic agents to treat the Sjoegren Larsson syndrome
<b>Kleinberger,</b> Gernot	Austrian	German Center for Neurodegenerative Diseases, Munich, Germany	Haass, Christian	University of Antwerp, Belgium	Functional characterization of progranulin missense mutations
<b>Scheicher,</b> Ruth	Austrian	Sanquin Research and Landsteiner Laboratory, Amsterdam, The Netherlands	von Lindern, Marieke	University of Veterinary Medicine Vienna, Austria	A novel alliance – JunB and Cdk6 as regulators of erythropoiesis
<b>Schweiger,</b> Martina	Austrian	Gladstone Institute of Virology and Immunology/ University of California, San Francisco, United States	Ott, Melanie	Institute of Molecular Biosciences, Graz, Austria	The effect of Hepatitis C virus nucleocapsid core protein on lipolysis
<b>Cruys,</b> Bert	Belgian	Netherlands Institute for Systems Biology, Amsterdam, The Netherlands	Merks, Roeland	Vesalius Research Center, Leuven, Belgium	The metabolic regulation of angiogenesis: A computational approach
<b>Depauw,</b> Frauke Angelique	Belgian	Anton Dohrn Zoological Station, Naples, Italy	Arnone, Ina Maria	French National Center for Scientific Research, Paris, France	Characterizing the function of a phytochrome-like photoreceptor in marine diatoms
<b>Dhondt,</b> Stijn	Belgian	John Innes Center, Norwich, UK	Coen, Enrico	Ghent University, Belgium	How do changes in cell division patterns imply differences in leaf shape?

EMBO Short-Term	Fellowships a	awarded in 2011			
Name	Nationality	Host laboratory	Group leader	Home laboratory	Project
<b>Grimard,</b> Vinciane	Belgian	Swiss Federal Institute of Technology, Basel, Switzerland	Müller, Daniel	Free University of Brussels, Belgium	Deciphering lipid-protein interactions using single-molecule force spectroscopy
<b>Guilliams,</b> Tim	Belgian	University Medical Center Groningen, The Netherlands	Nollen, Ellen	University of Cambridge, UK	Influence of nanobodies on alpha-synuclein mediated toxicity in <i>C. elegans</i>
<b>Huysman,</b> Marie	Belgian	National Center of Scientific Research, Paris, France	Bowler, Chris	Ghent University, Belgium	Cell biological analysis of CDKA2 overexpressing lines: Cell division mutants of the pennate diatom <i>Phaeodactylum</i> <i>tricornutum</i>
<b>Pauwels,</b> Kris	Belgian	University of Balearic Islands, Palma de Mallorca, Spain	Muñoz Izquierdo, Francisco	National Institute for Medical Research, London, UK	Production and biophysical characterization of uniformly glycated human amylin
<b>Van Overbeke,</b> Wouter	Belgian	University of Helsinki, Finland	Baumann, Marc	Ghent University, Belgium	Gelsolin nanobodies in alleviating familial amyloidosis of the Finnish type
<b>Vandersteen,</b> Annelies	Belgian	University of Twente, Enschede, The Netherlands	Subramaniam, Vinod	Free University of Brussels, Belgium	Mechanistical study of aggregation of different amyloid-beta peptide lengths
<b>Zuccherato,</b> Luciana	Brazilian	University of Leicester, UK	Hollox, Edward J.	University of Minas Gerais, Belo Horizonte, Brazil	Fc gamma receptor loci diversity in native American populations: From genotype to functional phenotype
<b>Armitage,</b> Andrew	British	McGill University Health Centre, Montreal, Canada	Stevenson, Mary	University of Oxford, UK	Investigating the role of hepcidin in malarial anemia
<b>Grellscheid,</b> Sushma Nagaraja	British	European Molecular Biology Laboratory, Hinxton, UK	Luscombe, Nicholas	Institute of Genetic Medicine/Newcastle University, UK	RNA processing in the ageing brain
<b>Hemsley,</b> Piers	British	Umea University, Sweden	Bjorklund, Stefan	University of Durham, UK	An interaction map of the multi-subunit mediator transcriptional activator complex
<b>Moss,</b> Stephen	British	European Molecular Biology Laboratory, Hinxton, UK	Flicek, Paul	The University of Hull, Kingston-Upon-Hull, UK	Development of a RESTful web services wrapper around the Ensembl Perl Software Libraries
<b>Proitsi,</b> Petroula	British	The University of Hong Kong, Hong Kong	Sham, Pak	Institute of Psychiatry/ King's College London, UK	Gene loci that influence lipid metabolism and their association with late onset Alzheimer's disease (LOAD)
<b>Ruparelia,</b> Aarti	British	University of California, San Diego, United States	Mobley, William	University College London/Institute of Neurology, UK	Axonal transport in a panel of mice that model Down syndrome
<b>Ward,</b> Michelle	British	University of Chicago/ Cummings Life Science Center, United States	Yoav, Gilad	Cancer Research UK Cambridge Research Institute, UK	Evolution of CTCF binding in primates
<b>Sagna,</b> Tani	Burkinabe	University of Bologna, Italy	Turchetti, Daniela	Biomolecular Research Center Pietro Annigoni, Ouagadougou, Burkina Faso	The genetic determinants of Burkina Faso breast cancer affected women

EMBO Short-Term	Fellowships a	warded in 2011			
Name Kinkley, Sarah	Nationality Canadian	Host laboratory Centre for Genomic Regulation, Barcelona, Spain	Group leader Di Croce, Luciano	Home laboratory Heinrich Pette Institute, Hamburg, Germany	Project Defining the role of SPOC1 in the transcriptional regulation of key pluripotency and differentiation genes
Mackereth, Cameron	Canadian	Institute of Structural Biology/Helmholtz Center Munich, Germany	Sattler, Michael	European Institute of Chemistry and Biology, Pessac, France	Solution studies of a large pre-mRNA 3'-processing complex
<b>He,</b> Yuan	Chinese	Simon Fraser University, Vancouver, Canada	Vocadlo, David	University of York, UK	Evaluation of small molecular agonists of human O-GlcNAcase (hOGA)
<b>St-Pierre,</b> Patrick	Chinese	University of St Andrews, UK	Penedo, Carlos	University of Sherbrooke, Canada	Understanding the mechanism of riboswitch in gene regulation processes using novel single-molecule approaches
Garita-Hernandez, Marcela	Costa Rican	Vision Institute, Paris, France	Goiureau, Olivier	Andalusian Center for Molecular Biology and Regenerative Medicine, Seville, Spain	Direct reprogramming of somatic cells towards photoreceptors
<b>Ivic,</b> Nives	Croatian	European Molecular Biology Laboratory, Grenoble, France	Belrhali, Hassan	Rudjer Boskovic Institute, Zagreb, Croatia	Structural investigations of amino- acid:[carrier protein] ligases (aa:CP ligases) and their specificity for carrier proteins
<b>Katalinic,</b> Maja	Croatian	Institute for Pathophysiology, Ljubljana, Slovenia	Mars, Tomaz	Institute for Medical Research and Occupational Health, Zagreb, Croatia	The cholinergic and non-cholinergic effects of oxime therapy in organophosphates poisoning: Gene expression and enzyme activity
<b>Marelja,</b> Zvonimir	Croatian	Queen Mary University of London/School of Biological and Chemical Sciences, UK	Missirlis, Fanis	University of Potsdam, Germany	Functional studies of the L-Cysteine desulfurase NFS1 - the primary sulfur donor in molybdenum cofactor and iron sulfur cluster biosynthesis in Drosophila melanogaster
<b>Radosevic,</b> Kristina	Croatian	Jozef Stefan Institute, Ljubljana, Slovenia	Krizaj, Igor	Laboratory of Cell Culture Technology and Biotransformation, Zagreb, Croatia	Screening for antitrombotic components of the <i>Vipera ammodytes</i> snake venom with medical potential
<b>Barbón Sánchez,</b> Diana	Cuban	National Institute for Bioprocessing Research and Training, Dublin, Ireland	Rudd, Pauline M.	Center of Molecular Immunology, Havana, Cuba	Characterization of the glycosylation profile of recombinant monoclonal antibodies with therapeutic relevance for cancer therapy
Sanchez Rodriguez, Robersy	Cuban	University of Cambridge, UK	Lio, Pietro	Central University Marta Abreu, Santa Clara, Cuba	A computational approach to the dynamics of immune system response against HIV
<b>Tundidor Cabado,</b> Yaima	Cuban	Institute of Biochemistry & Biotechnology/ Technical University of Braunschweig, Germany	Hust, Michel	Center of Molecular Inmunology, Havana, Cuba	Two avenues to attack cancer cells: Understanding the way to target both immune and growth factor-mediated functions

EMBO Short-Term	-				
Name Moran, Rolando	Nationality Cypriot	Host laboratory Norwich Research Park, UK	Group leader Martin, Cathie	Home laboratory Center for Genetic Engineering and Biotechnology, Camaguey, Cuba	Project Engineering high levels of anthocyanins and flavonols for healthier varieties of sweet potato
<b>Vyrides,</b> Ioannis	Cypriot	College of Science/ University of Limerick, Ireland	Soulimane, Tewfik	Cyprus University of Technology, Limassol, Cyprus	Purification and biochemical properties of cytochrome ba <sub>3</sub> oxidase from <i>Thermus</i> <i>thermophilus</i>
<b>Biedermannova,</b> Lada	Czech	University of Natural Resources and Life Sciences, Vienna, Austria	Oostenbrink, Chris	Heidelberg Institute for Theoretical Studies, Germany	Testing LIE/OS method for free energy calculations on real enzyme-ligand system
<b>Hnilicova,</b> Jarmila	Czech	Sars International Centre for Marine Molecular Biology, Bergen, Norway	Thompson, Eric	Institute of Molecular Genetics of the Academy of Sciences of the Czech Republic, Prague, Czech Republic	Does chromatin regulate alternative splicing during development?
<b>Rusnakova,</b> Vendula	Czech	Sahlgrenska University Hospital, Gothenburg, Sweden	Aman, Pierre	Charles University, Prague, Czech Republic	Understanding regulation of growth and differentiation in sarcoma single cells
<b>Zikova,</b> Alena	Czech	Wellcome Trust, Cambridge, UK	Walker, John E.	Institute of Parasitology, Ceske Budejovice, Czech Republic	Implementing novel methodology to purify and characterize $Trypanosoma brucei$ $F_1F_0$ -ATP synthase complex
<b>Bakermans,</b> Adrianus J.	Dutch	University of Oxford, UK	Tyler, Damian J.	Eindhoven University of Technology, The Netherlands	Myocardial pyruvate dehydrogenase flux in mitochondrial long-chain fatty acid beta- oxidation deficient mice
<b>Boon,</b> Camiel Jan Fons*	Dutch	Nuffield Laboratory of Ophthalmology/The John Radcliffe Hospital, Oxford, UK	MacLaren, Robert	Institute of Ophthalmology/Radboud University Nijmegen Medical Centre, The Netherlands	Next generation genetics: identification of Mendelian inheritance models in age-related macular degeneration
<b>Buschow,</b> Sonja	Dutch	The Institute of Photonic Sciences, Barcelona, Spain	Garcia-Parajo, Maria	Radboud University Nijmegen Medical Centre, The Netherlands	Galectin-9 scaffolding in the regulation of DC-SIGN membrane organization and dynamics
<b>Grefte,</b> Sander	Dutch	King's College London, UK	Zammit, Peter	Radboud University Nijmegen Medical Centre, The Netherlands	The effect of SDF-1 on the migration of satellite cells from isolated myofibers
<b>te Riet,</b> Joost	Dutch	Swiss Federal Institute of Technology, Basel, Switzerland	Müller, Daniel J.	Radboud University Nijmegen Medical Centre, The Netherlands	The importance of the actin cytoskeleton in controlling ALCAM-mediated adhesion studied by single-cell force spectroscopy
<b>van Harn,</b> Tanja	Dutch	University of Birmingham, UK	Petermann, Eva	The Netherlands Cancer Institute, Amsterdam, The Netherlands	DNA replication defects in cells devoid of the retinoblastoma (Rb) gene family
<b>Westerhuis,</b> Brenda	Dutch	University of Helsinki, Finland	Butcher, Sarah	Academic Medical Center, Amsterdam, The Netherlands	Modelling the human parechovirus 3 structure for antibody binding in relation to severe infections in newborns

\*recipient of the 2011 EMBO Molecular Medicine Sabbatical

Name	Nationality	Host laboratory	Group leader	Home laboratory	Project
<b>Roostalu,</b> Johanna	Estonian	University of California, Berkeley, United States	Heald, Rebecca	Center for Molecular Biology/Universiy of Heidelberg, Germany	The role of chromokinesins in bipolar spindle organization
<b>Tammela,</b> Päivi	Finnish	University of Cambridge, UK	Welch, Martin	University of Helsinki, Finland	Screening for ppGpp-antagonistic agents in natural product and pharmaceutical compound collections using a dual reporter assay
<b>Abkarian,</b> Manouk	French	London Centre for Nanotechnology/ University College London, UK	Charras, Guillaume	University of Montpellier 2, France	Microfluidic device to enable rapid imaging of transmigration and migration of neutrophils through model tissues
<b>Benureau,</b> Yann	French	University of Milan, Rozzano, Italy	Locati, Massimo	Pasteur Institute, Paris, France	Signalling and trafficking properties of the CXCL12 receptor CXCR7
<b>Bouyer,</b> Guillaume	French	University of Cambridge, UK	Gibson, John	French National Center for Scientific Research/ Paris VI University, Roscoff, France	Implication of the peripheral benzodiazepine receptor in altered ion transport and balance in sickle cell disease
<b>Burton,</b> Jonathan Adam	French	Institute of Molecular and Cell Biology, Singapore	Guccione, Ernesto	Institute of Genetics and Molecular and Cellular Biology, Strasbourg, France	Epigenetic landscape of the preimplantation embryo
<b>Dajkovic,</b> Aleksander	French	University of California, Irvine, United States	Gratton, Enrico	Paris Descartes University, France	Organization of the FtsA/actin cytoskeleton
<b>Demarre,</b> Gaelle	French	Wammerdam Institute for Life Sciences/University of Amsterdam, The Netherlands	den Blaauwen, Tanneke	Centre for Molecular Genetics, Gif-Sur-Yvette, France	Determination of the timing of assembly of FtsK DNA-pumps by FRET
<b>Duquesne,</b> Katia	French	Free University of Amsterdam, The Netherlands	van Grondelle, Rienk	French National Center for Scientific Research, Marseille, France	Function and role of an unusual bacterial photosynthetic apparatus
<b>Fournier,</b> Alexandra	French	Ludwig Maximilian University, Munich, Germany	Heinrich, Leonhardt	French National Center for Scientific Research/ Paris Diderot University, France	Characterization of the interaction between UHRF1 and its partners: Cell cycle dependence and functional regulation
<b>Houille,</b> Laura	French	Carnegie Institution for Science, San Francisco, United States	Grossman, Arthur	Institute of Physical and Chemical Biology, Paris, France	GreenCut mutants: Towards a better understanding of regulatory processes in photosynthesis
<b>Kiani,</b> Jafar	French	German Cancer Research Center, Heidelberg, Germany	Schaefer, Matthias	French National Institute for Health and Medical Research, Nice, France	To evidence Dnmt2-dependent methylation of Kit mRNA
<b>Kolotueva,</b> Irina	French	University of Oslo, Norway	Griffiths, Gareth	Institute of Genetics and Molecular and Cellular Biology, Illkirch- Graffenstaden, France	The use of the Tokuyasu cryo section method for <i>C. elegans</i> system in the context of excretory canal development

Name	Nationality	Host laboratory	Group leader	Home laboratory	Project
<b>Larrieu,</b> Antoine	French	North Carolina State University, Raleigh, United States	Alonso, Jose M.	University of Nottingham, Loughborough, UK	Dissecting genetic networks using a recombination-mediated genetic engineering approach in Arabidopsis
<b>Lebreton,</b> Francois	French	University Medical Center Utrecht, The Netherlands	van Schaik, Willem	Medical School of the University of Caen, France	AsrR is a transcriptional regulator involved in antibiotic resistance, oxidative stress response and colonization in <i>Enterococcus</i> <i>faecium</i>
<b>Lepoivre,</b> Cyrille	French	Centre for Genomic Regulation, Barcelona, Spain	Graf, Thomas	Technological Advances for Genomics and Clinics, Marseille, France	Methodological developments for the analysis and integration of high throughput genomic data, in the context of regulatory networks deciphering
<b>Marion ,</b> Sabrina	French	University of Lausanne, Switzerland	Thome, Margot	Cochin Institute, Paris, France	Bcl10, a new molecular link between the induction of the immune response and phagocytosis in human monocytes
<b>Pujol,</b> Anais	French	Institute of Systems and Synthetic Biology, Evry, France	Jaramillo, Alfonso	Institute for Chemical and Biological Technology, Lisbon, Portugal	Engineering <i>de novo</i> superoxide dismutases
<b>Rigal,</b> Melanie	French	Max Planck Institute, Tuebingen, Germany	Weigel, Detlef	French National Center for Scientific Research/ Clermont University, Aubiere, France	RNA sequencing of F1 met1/MET1 Arabidopsis plants
<b>Shalom-</b> Feuerstein, Ruby	French	University of Milan, Italy	Mantovani, Roberto	French National Institute for Health and Medical Research/University of Nice-Sophia Antipolis, France	Global mapping of the molecular circuitry controlled by Pax-6 in the eye in health and disease
<b>Stouf,</b> Mathieu	French	University of Oxford, UK	Sherratt, David J.	French National Center for Scientific Research/ University of Toulouse, France	Segregation of the terminal region of the Escherichia coli chromosome
Walter, Marius	French	Swiss Federal Institute of Technology, Zurich, Switzerland	Voinnet, Constance	Institut Curie, Paris, France	Regulation of RNAi pathways in response to deficiencies in chromatin control
<b>Abelein,</b> Axel	German	Interdisciplinary Nanoscience Center/ Aarhus University, Denmark	Otzen, Daniel	Stockholm University, Sweden	Interaction of the amyloid beta peptide with SDS and its short hydrophobic cluster fragment
<b>Amort,</b> Julianna	German	Ghent University, Belgium	Berx, Geert	University Medical Center, Mainz, Germany	The regulation of paraoxonase-2 and its role in the hematopoetic system and cancer
<b>Blüthgen,</b> Nils	German	Curie Institute, Paris, France	Heard, Edith	Charite & Humboldt University, Berlin, Germany	Reconstructing the pluripotency network from perturbation data and time-resolved gene expression measurements

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EMBO Short-Terr					
Name	Nationality	Host laboratory	Group leader	Home laboratory	Project
Broichhagen, Johannes	German	Institute of Science and Technology Austria, Klosterneuburg, Austria	Janovjak, Harald	Ludwig Maximilian University, Munich, Germany	Photocontrolled receptor tyrosine kinases
<b>Buell,</b> Alexander	German	Aarhus University, Denmark	Otzen, Daniel	Nanoscience Centre/ University of Cambridge, UK	The origin of the thermodynamic stability of amyloid fibrils
<b>Buschmann,</b> Henrik	German	Institute of Plant Molecular Biology, Strasbourg, France	Heinlein, Manfred	John Innes Centre, Norwich, UK	FLIM-FRET analysis of the dynamic interaction of AIR9 with KCBP in cell division
<b>Fischer,</b> Eric Sebastian	German	Biosignal Research Center/Kobe University, Japan	Sugasawa, Kaoru	Friedrich Miescher Institute for Biomedical Research, Basel, Switzerland	UV damage recognition in chromatin
<b>Hantschel,</b> Oliver	German	University of Chicago, United States	Koide, Shohei	Center for Molecular Medicine of the Austrian Academy of Sciences, Vienna, Austria	Development of high-affinity SH2-binding monobodies for the perturbation of the Gab2 complex in chronic myelogenous leukaemia
<b>Jarsch,</b> Iris Katharina	German	The Sainsbury Laboratory, Norwich, UK	Zipfel, Cyril	Institute of Genetics/ Ludwig Maximilian University, Munich, Germany	Dissecting the role of <i>Arabidopsis</i> remorin proteins 1.2 and 1.3 in PAMP-triggered immunity
<b>Krause,</b> Mirja	German	University of Oulu, Finland	Kapetaniou, Evangelia	Technical University of Berlin/Institute for Biotechnology, Germany	<ol> <li>Establishment and optimization of an enzymatic activity assay to analyse the catalytic activity of A-TIM mutants</li> <li>Comparison of the active sites of TIM/A- TIM with the <i>E. coli</i> RpiA by looking at the crystal structures</li> </ol>
<b>Manno,</b> Birgit	German	London Research Institute, UK	Batista, Facundo D.	Georg August University, Goettingen, Germany	Structural requirements for the localization of the SH2 domain-containing S'-inositol phosphatase (SHIP1) in B cell microsignalsomes
<b>Martin,</b> Robert Manfred	German	Harvard Medical School, Boston, United States	Kirchhausen, Tomas	Institute of Molecular Medicine, Lisbon, Portugal	Live-cell imaging of pre-mRNA splicing in human cells
<b>Mayer,</b> Katharina	German	Biocenter Martinsried/ Ludwig Maximilian University of Munich, Germany	Schermelleh, Lothar	University of Basel, Switzerland	Super resolution multicolour imaging of centriolar proteins
<b>Mueller,</b> Jonathan Wolf	German	National Institute for Medical Research, London, UK	Pastore, Annalisa	University of Duisburg- Essen, Germany	Are PAPS synthases naturally unstable proteins being stabilised by specific nucleotide binding?
Nawroth, Isabel	German	Institute of Molecular Genetics of Montpellier, France	Bertrand, Edouard	Interdisciplinary Nanoscience Center/ Aarhus University, Denmark	Study the mechanism of HIV-1 Rev protein mediated mRNA export in living cells

Name	Nationality	Host laboratory	Group leader	Home laboratory	Project
<b>Redemann,</b> Stefanie	German	Marine Biological Laboratory, Woods Hole, United States	Müller-Reichert, Thomas	Medical Theoretical Centre/Carl Carus University, Dresden, Germany	Ultrastructural organization of the mitotic spindle in two representatives of the <i>Lophotrochozoa</i> phylum
<b>Schlegel,</b> Susan	German	Paul Sabatier University, Toulouse, France	Genevaux, Pierre	Stockholm University, Sweden	Deciphering the mutations of the 'Walker' strains
<b>Seehafer,</b> Carsten	German	Swedish University of Agricultural Sciences, Uppsala, Sweden	Söderbom, Fredrik	Darmstadt Technical University, Germany	Bioinformatic analysis of deep sequencing data from <i>D. discoideum</i>
<b>Streubel,</b> Jana	German	Development Research Institute, Montpellier, France	Szurek, Boris	Martin Luther University, Halle, Germany	Rice MtN3 genes as virulence targets of TAL effectors
<b>Weber,</b> Felix C.	German	Semmelweis University School of Medicine, Budapest, Hungary	Mócsai, Attila	University Medical Center Freiburg, Germany	Molecular mechanisms of neutrophil activation and function in contact hypersensitivity
<b>Arthur,</b> Patrick Kobina	Ghanaian	Swiss Federal Institute of Technology, Zurich, Switzerland	Aebersold, Rudolf	University of Ghana, Legon-Accra, Ghana	MTb SRM validation in infected human cell lines
<b>Amprazi,</b> Maria	Greek	University of Bristol, UK	Woolfson, Derek	University of Crete, Heraklion, Greece	Engineering and characterization of nano- fibrils based on the 4-alpha-helical bundle scaffold
<b>Aravantinou</b> <b>Fatorou,</b> Aikaterini	Greek	Ludwig Maximilian University, Munich, Germany	Berninger, Benedikt	Hellenic Pasteur Institute, Athens, Greece	The role of the neurogenic molecule Cend1 on the determination of the fate of neural stem/progenitor cells and astrocytes under normal conditions or after brain injury
<b>Balomenou,</b> Stavroula	Greek	Pasteur Institute, Paris, France	Gomperts- Boneca, Ivo	University of Crete, Heraklion, Greece	Multiple functions of polysaccharide deacetylases from <i>Bacillus anthracis</i>
<b>Barkoulas,</b> Michalis	Greek	Massachusetts Institute of Technology, Boston, United States	van Oudenaarden, Alexander	Jacques Monod Institute, Paris, France	Robustness of the <i>C. elegans</i> vulva to variation in lin-3 gene expression quantified by single molecule FISH
<b>Katsani,</b> Katerina	Greek	Jacques Monod Institute/ Paris Diderot University, France	Karess, Roger	Democritus University of Thrace, Alexandroupolis, Greece	The study of the Mad1-Mad2 complexes by fluorescence microscopy
<b>Morou,</b> Antigoni	Greek	Harvard Medical School, Massachusetts, United States	Kaufmann, Daniel	University of Crete, Heraklion, Greece	Analysis of V3/gp120 specific signalling pathways in HIV-infected individuals <i>versus</i> elite controllers
<b>Pafilis,</b> Evangelos	Greek	The Novo Nordisk Foundation Center for Protein Research, Copenhagen, Denmark	Jensen, Lars Juhl	Institute of Marine Biology and Genetics/ Hellenic Centre for Marine Research, Heraklion, Greece	Species name identification in web pages and scientific documents

EMBO Short-Terr	n Fellowships a	warded in 2011			
Name Papadopoulos, Dimitrios	Nationality Greek	Host laboratory Center for Molecular Medicine/Karolinska University Hospital, Stockholm, Sweden	Group leader Terenius, Lars	Home laboratory University of Basel, Switzerland	Project Molecular dissection of the interactions of synthetic Hox transcription factors with nuclear DNA in live cells
<b>Zois,</b> Christos	Greek	Weatherall Institute of Molecular Medicine/ University of Oxford, UK	Harris, Adrian L.	Democritus University of Thrace, Alexandroupolis, Greece	The role of ATF4 and ULK1 in regulation of autophagy and radiation sensitivity in cancer cell lines
<b>Ambrus,</b> Attila	Hungarian	University of Pittsburgh, United States	Furey, William	Semmelweis University, Budapest, Hungary	Structure determination of disease-causing mutants of human dihydrolipoamide dehydrogenase
<b>Csuka,</b> Dorottya	Hungarian	University of Copenhagen, Denmark	Garred, Peter	Semmelweis University, Budapest, Hungary	The role of ficolin-mediated complement activation in hereditary angioedema due to C1-inhibitor deficiency and ischaemic stroke
<b>Doszpoly,</b> Andor	Hungarian	Clear Springs Foods Inc., Buhl, United States	LaPatra, Scott E.	Veterinary Medical Research Institute/ Hungarian Academy of Sciences, Budapest, Hungary	Total mRNA study of WSAdV-1 and examination of the unknown genes
<b>Fuxreiter,</b> Monika	Hungarian	Medical Research Council Laboratory of Molecular Biology, Cambridge, UK	Mohan, Madan Babu	Hungarian Academy of Sciences, Budapest, Hungary	Regulation of intrinsically disordered proteins <i>via</i> their complexes
<b>Héja,</b> Dávid	Hungarian	European Molecular Biology Laboratory, Hamburg, Germany	Wilmanns, Matthias	Eotvos Lorand University, Budapest, Hungary	X-ray structure determination of complexes formed between phage display evolved peptide inhibitors and complement proteases, MASP-1 and MASP-2
<b>Megyeri,</b> Márton	Hungarian	Aarhus University, Denmark	Thiel, Steffen	Hungarian Academy of Sciences, Budapest, Hungary	Purification of MBL-MASP and ficolin- MASP complexes from human serum for verification experiments on endothelial cells
<b>Nagy,</b> Nándor	Hungarian	Harvard University, Boston, United States	Goldstein, Allan M.	Semmelweis University, Budapest, Hungary	The role of epithelial – mesenchymal interactions in the formation of the intestinal nervous system
<b>Sarlós,</b> Kata	Hungarian	Laboratory of Molecular Biophysics/National Institutes of Health, Bethesda, United States	Neuman, Keir C.	Eotvos Lorand University, Budapest, Hungary	Temperature-dependent shift in the mechanochemical mechanism of the human Bloom's syndrome helicase
<b>Tárnok,</b> Krisztián	Hungarian	University of Stuttgart, Germany	Hausser, Angelika	Eotvos Lorand University, Budapest, Hungary	Investigation of PKD-regulated dendritic spine formation and rearrangement in hippocampal neurons
<b>Wohner,</b> Nikolett	Hungarian	French National Institute for Health and Medical Researc, Le Kremlin- Bicetre, France	Denis, Cecile V.	Semmelweis University, Budapest, Hungary	Shear-stress induced interactions between von Willebrand factor and scavenger- receptor LRP1

Name	Nationality	Host laboratory	Group leader	Home laboratory	Project
<b>Helgadottir,</b> Sunna	Icelandic	Yale University, New Haven, United States	Soll, Dieter	University of Iceland, Reykjavik, Iceland	Mechanism of tRNA-dependent Cys formation by Sep-tRNA:Cys-tRNA synthase
<b>Bhatt,</b> Anant	Indian	Systems & Cell Biology of Neurodegeneration/ University of Zurich, Switzerland	Rajendran, Lawrence	Institute of Nuclear Medicine and Allied Sciences, Delhi, India	Role of beta-secretase cleavage of non- amyloid substrates in Alzheimer's disease
<b>Chatterjee,</b> Deepak	Indian	Interdisciplinary Nanoscience Center/ Aarhus University, Denmark	Nielsen, Niels Chr.	Indian Institute of Chemical Technology, Hyderabad, India	Incorporation of a conus peptide into biological membranes: structure and dynamics of conolysin-Mt in DMPC/DHPC bicelles
<b>Francis,</b> Sandrea	Indian	Institute of Genetics and Molecular and Cellular Biology, Strasbourg, France	Séraphin, Bertrand	The Institute of Biomedicine, Valencia, Spain	Functional studies on the yeast Drg1-Dfrp1 complex
<b>Pinto,</b> Sheena	Indian	The Babraham Institute/ Babraham Research Campus, Cambridge, UK	Fraser, Peter	German Cancer Research Center, Heidelberg, Germany	Regulation of promiscuous gene expression (pGE) in medullary thymic epithelial cells: analysis of gene co-regulation at the single- cell level
<b>Prasad,</b> Melvin	Indian	University of Copenhagen, Denmark	Mundy, John	University of Mysore, India	Mitogen activated protein kinases in pearl millet
<b>Seghal Kiran,</b> George	Indian	Environmental Research Institute/University College Cork, Ireland	Dobson, Alan	Bharathidasan University, Tiruchirapalli, India	Analysis of PKS-NRPS gene clusters from sponge associated marine actinobacteria
<b>Wani,</b> Willayat	Indian	University of Florence, Italy	Chiarugi, Alberto	Post Graduate Institute of Medical Education and Research, Chandigarh, India	Role of PARP1 in organophosphate induced cell death and its protection by PARP inhibitors
<b>Zare,</b> Golshan	Iranian	University of Vienna, Austria	Schneeweiss, Gerald M.	Hacettepe University, Ankara, Turkey	Molecular phylogeny of the genus Orobanche L. (Orobanchaceae) in Turkey and its relationship with Iranian taxa
<b>Corrigan,</b> Rebecca	Irish	University of Maryland, College Park, United States	Lee, Vincent	Imperial College London, UK	Identification of c-di-AMP binding proteins in <i>S. aureus</i> using a genome wide approach
<b>Fleming,</b> Ronan	Irish	Netherlands Metabolomics Centre, Leiden, The Netherlands	Hankemeier, Thomas	University of Iceland, Reykjavik, Iceland	Quantitative integration of metabolomic data with a comprehensive model of human metabolism to further understanding of fundamental cell processes in health and disease
<b>Kirwan,</b> Gemma	Irish	Dana Farber Cancer Institute/Harvard Medical School, Boston, United States	Kung, Andrew	Royal College of Surgeons in Ireland, Dublin, Ireland	The effect of protease resistant IGFBP4 on prostate tumour growth

EMBO Short-Te	rm Fellowships a	awarded in 2011			
Name Monaghan, Michael	Nationality Irish	Host laboratory Fraunhofer Institute for Interfacial Engineering and Biotechnology, Stuttgart, Germany	Group leader Schenke-Layland, Katja	Home laboratory National University of Ireland, Galway, Ireland	Project Delivery of interfering RNA (RNAi) to modulate dehabilitating fibrosis <i>via</i> a hierarchical tissue engineered scaffold
<b>Brown,</b> Yogev	Israeli	The Wistar Institute, Philadelphia, United States	Skordalkes, Emmanuel	Hebrew University, Jerusalem, Israel	Assembly and reconstitution of active yeast telomerase from purified recombinant subunits
<b>Herzog,</b> Gal	Israeli	University of Cambridge, UK	Fersht, Alan	Tel-Aviv University, Israel	Structure and stability of the <i>Drosophila</i> homolog of the p53 protein
<b>Kamhi,</b> Eyal	Israeli	The Netherlands Cancer Institute, Amsterdam, The Netherlands	Agami, Reuven	Weizmann Institute of Science, Rehovot, Israel	Identification of novel protein factors involved in the stop codon mediated suppression of splicing
<b>Nachmani,</b> Daphna	Israeli	German Cancer Research Center, Heidelberg, Germany	Sven, Diederichs	The Hebrew University Hadassah Medical School, Jerusalem, Israel	Differential regulation of the activating immune ligands MICA and MICB by RNA binding proteins
<b>Reuveni,</b> Eli	Israeli	The Wellcome Trust Centre for Human Genetics/University of Oxford, UK	Flint, Jonathan	European Molecular Biology Laboratory, Monterotondo, Italy	The effect of natural selection within freely mating population and its association with Quantitative Trait Loci (QTL)
<b>Shlezinger,</b> Neta	Israeli	Georg August University, Goettingen, Germany	Braus, Gerhard H.	Tel Aviv University, Israel	Role of Aspergillus fumigatus anti-apoptotic machinery in disease development
<b>Apollonio,</b> Benedetta	Italian	Cancer Research Institute/University of Southampton, UK	Packham, Graham	San Raffaele Scientific Institute, Milan, Italy	Role of NF-AT in the pathogenesis of chronic lymphocytic leukaemia (CLL)
<b>Aquilini,</b> Eleonora	Italian	University of Michigan Medical School, Ann Arbor, United States	Mobley, Harry	University of Barcelona, Spain	Isolation and biological characterization of two mutants types of core lipopolysaccharide in <i>Proteus mirabilis</i>
<b>Arieti,</b> Fabiana	Italian	Western General Hospital, Edinburgh, UK	O'Connell, Mary	University of Geneva, Switzerland	Expression, purification and <i>in vitro</i> characterization of the dimerization domain of the human ADAR2 protein
<b>Beltrami,</b> Alessandra	Italian	University of Oxford, UK	Bullock, Alex N.	Free University of Berlin/Institute for Crystallography, Germany	Structural analysis in BMP signalling crosstalk with cGMP dependent kinase I (cGKI) and LIM kinase 1(LIMK1)
<b>Bucossi,</b> Serena	Italian	King's College London/ Institute of Psychiatry, UK	Powell, John	Campus Bio-Medico University of Rome, Italy	Association between ATP7B gene polymorphisms and Alzheimer's disease
<b>Capasso,</b> Melania	Italian	Rush University Medical Center, Chicago, United States	DeCoursey, Thomas	Barts Cancer Institute/ Queen Mary University of London, UK	Control of intracellular pH in B cells by the voltage-gated proton channel HVCN1
<b>Coletto,</b> Luisa	Italian	Albert Einstein College of Medicine, New York, United States	Cuervo, Ana Maria	Venetian Institute of Molecular Medicine, Padova, Italy	Role of chaperone-mediated autophagy in muscle homeostasis

Name	Nationality	awarded in 2011 Host laboratory	Group leader	Home laboratory	Project
Compagno, Mara	Italian	Children's Hospital Boston/Immune Disease Institute, United States	Alt, Frederick W.	University of Turin, Italy	Generation of a novel mouse model to map ALK translocations in T cell lymphomas and non solid tumors
<b>Concia,</b> Lorenzo	Italian	Plant Biology Institute/ University Paris Sud, Orsay, France	Bergounioux, Catherine	University of Pavia, Italy	Role of Arabidopsis thaliana DNA polymerase lambda in the maintenance of genome integrity
<b>Credali,</b> Alfredo	Italian	Aarhus University, Denmark	Stougaard, Jens	University of Seville, Spain	Characterization of developing seeds in asparaginase TILLING mutants from <i>Lotus japonicus</i>
<b>D'Aniello,</b> Cristina	Italian	Leiden University Medical Center, The Netherlands	Mummery, Christine	Institute of Genetics and Biophysics Buzzati- Traverso, Naples, Italy	Unraveling the molecular mechanisms of APJ activity on cardiac progenitors in human pluripotent stem cells
<b>Dattoli,</b> Anna Ada	Italian	Pacific Biosciences Research Center/ University of Hawaii, Honolulu, United States	Martindale, Mark Q.	University of Amsterdam, The Netherlands	Mesoderm genes: The evolutionary transition between diploblastic and triploblastic animals
<b>Di Conza,</b> Giusy	Italian	Vesalius Research Center, Leuven, Belgium	Mazzone, Massimiliano	Institute of Cellular Biology and Neurobiology/ National Research Council, Rome, Italy	Role of MDM4 in tumor neo-angiogenesis
<b>Di Giaimo,</b> Rossella	Italian	Institute of Stem Cell Research/Helmholtz Center Munich, Germany	Goetz, Magdalena	University of Naples Federico II, Italy	The role of Cystatin B in the adult neurogenic niches
<b>Di Mambro,</b> Riccardo	Italian	Duke University/Institute of Genome Sciences & Policy, Durham, United States	Benfey, Philip N.	University of Rome, Italy	Identification of cytokinin dependent molecural mechanism acting in the lateral root cap necessary to control <i>Arabidopsis</i> root meristem size
<b>Di Palma,</b> Tina	Italian	Institute of Interdisciplinary Research in Molecular Human Biology, Brussels, Belgium	Costagliola, Sabine	Institute of Experimental Endocrinology and Oncology, Naples, Italy	The role of newly identified Pax8 target genes in thyroid precursors cell specification
<b>Fantini,</b> Sebastian	Italian	Friederich Miescher Institute for Biomedical Research, Basel, Switzerland	Rijli, Filippo	University of Modena and Reggio Emilia, Italy	The 5'Hox genes control the expression of microRNA- 196b during development
<b>Ferrari,</b> Silvia	Italian	Wellcome Trust Centre for Gene Regulation & Expression/University of Dundee, UK	Blow, Julian J.	University of Modena and Reggio Emilia, Italy	Characterization of HOX function in DNA replication using a <i>Xenopus</i> cell-free extract system
<b>Ferro,</b> Elisa	Italian	Molecular and Cellular Systems/University Medicine Goettingen, Germany	Bunt, Gertrude	University of Siena, Italy	Investigation of molecular interactions and conformational changes of the KRIT1 protein in cells using FRET and Fluorescence Lifetime Imaging

		awarded in 2011			
Name Fiume, Roberta	Nationality Italian	Host laboratory The Paterson Institute for Cancer Research, Manchester, UK	Group leader Divecha, Nullin	Home laboratory University of Bologna, Italy	Project Nuclear PLC in myelodysplastic syndromes
<b>Gatto,</b> Sole	Italian	Nijmegen Centre for Molecular Life Sciences, The Netherlands	Stunnenberg, Henk	Institute of Genetics and Biophysics, Naples, Italy	Epigenomic characterization of Dnmt3B mutated cells through Next Generation Sequencing data analysis and integration
<b>Giannattasio,</b> Michele	Italian	Institute of Molecular Cancer Research/ University of Zurich, Switzerland	Lopes, Massimo	Italian Cancer Research Fundation Institute of Molecular Oncology, Milan, Italy	Structural analysis of damage-induced recombination intermediates accumulating in the absence of the RecQ helicase Sgs1/ BLM in S. cerevisiae
<b>Graziano,</b> Vincenzo	Italian	University College London/Cancer Institute, UK	Salomoni, Paolo	Center of Aging Science, Chieti, Italy	Role of mitochondria defects in neural stem cell survival and transformation
<b>Grillo,</b> Elisabetta	Italian	Paul Scherrer Institute, Villigen, Switzerland	Ballmer-Hofer, Kurt	School of Medicine/ University of Brescia, Italy	Structural characterization of the pro- angiogenic complex gremlin/VEGFR2
<b>laboni,</b> Margherita	Italian	University of Iowa, United States	Paloma, Giangrande	University of Naples Federico II, Italy	Aptamer-microRNA conjugation as tool for innovative anti-cancer targeted therapies
<b>Manzo,</b> Teresa	Italian	Massachusetts General Hospital, Charlestown, United States	Mempel, Thorsten R.	San Raffaele Scientific Institute, Milan, Italy	Imaging prostate cancer infiltration and elimination by tumor- and minor- hystocompatibility antigen-specific T cells
<b>Marri,</b> Lucia	Italian	Bioenergetics and Engineering of Proteins, Marseille, France	Gontero, Brigitte	University of Bologna, Italy	Thiol-based redox modification of Calvin cycle supramolecular complexes in plant and algae
<b>Migliardo,</b> Federica	Italian	University Paris Sud, Orsay, France	Bayan, Nicolas	University of Messina, Italy	Role of trehalose in the structure, permeability and stability of mycomembranes in <i>Mycobacterium</i> <i>tuberculosis</i> and <i>Corynebacterium</i> <i>glutamicum</i>
<b>Mizzotti,</b> Chiara	Italian	Weizmann Institute of Science, Rehovot, Israel	Aharoni, Asaph	University of Milan, Italy	Analysis of the metabolic profiles in seeds of MADS-box gene mutants stk and tt16
<b>Novarina,</b> Daniele	Italian	University of Toronto, Canada	Brown, Grant W.	University of Milan, Italy	Exploring genome stability pathways in S. cerevisiae by synthetic genetic array (SGA) high throughput screenings
<b>Orso,</b> Francesca	Italian	Beth Israel Deaconess Medical Center, Boston, United States	Pandolfi, Pier Paolo	Molecular Biotechnology Center/University of Turin, Italy	Generation of tissue-specific miR-214- expressing mouse models to study miR-214 roles in tumour progression and approaching gene targeted therapy
<b>Patella,</b> Francesca	Italian	Copenhagen Biocenter, Denmark	Lund, Anders	Institute of Clinical Physiology, Pisa, Italy	Identification of mRNAs targeted by miR- 492 by pull-out assay
<b>Racioppi,</b> Claudia	Italian	New York University, United States	Christiaen, Lionel	Anton Dohrn Zoological Station, Naples, Italy	Gene regulatory networks controlling pigmented sensory organs differentiation in the ascidian <i>Ciona intestinalis</i>

Name	Nationality	Host laboratory	Group leader	Home laboratory	Project
<b>Rigamonti,</b> Nicolò	Italian	Harvard Medical School, Boston, United States	Mora, J. Rodrigo	San Raffaele Scientific Institute, Milan, Italy	The spleen as potential reservoir of regulatory T cells in tumor bearing mice
<b>Romero Zerbo,</b> Silvana Yanina	Italian	Neurocentre Magendie, Bordeaux, France	Cota, Daniela	IMABIS Foundation/ Mediterranean Institute for the Advancement of Biotechnology and Health Research, Malaga, Spain	mTORC1 pathway might control pancreatic hormonal secretion-implications in type 2 diabetes
<b>Savoia,</b> Claudia	Italian	Geneva Medical Center, Switzerland	Scorrano, Luca	University of Naples Federico II, Italy	Analysis of mitochondrial dynamics in an <i>in vitro</i> model of cerebral ischaemia and reperfusion
<b>Staiano,</b> Leopoldo	Italian	French National Center for Scientific Research, Lyon, France	Laudet, Vincent	Anton Dohrn Zoological Station, Naples, Italy	Delineating the properties of nuclear receptor 1 (NR1) as an active thyroid hormone receptor in the ascidian <i>Ciona</i> <i>intestinalis</i>
<b>Statello,</b> Luisa	Italian	University of Gothenburg, Sweden	Valadi, Hadi	University of Catania, Italy	Functional study of RNA-packaging into exosomes and delivery to cells
<b>Torgovnick</b> Donadello, Alessandro	Italian	University of Cologne, Germany	Schumacher, Björn	University of Rome Tor Vergata, Italy	Long-lived <i>C. elegans</i> mitochondrial mutations acting as tumor suppressors
<b>Vasaturo,</b> Angela	Italian	Radboud University Nijmegen Medical Centre, The Netherlands	Friedl, Peter	University of Naples Federico II, Italy	Role of chemotaxis during collective cancer invasion in three dimensional tissue environments <i>in vitro</i> and <i>in vivo</i>
<b>Ventura,</b> Elisa	Italian	European Molecular Biology Laboratory, Heidelberg, Germany	Besir, Hüseyin	The Giannina Gaslini Institute, Genova, Italy	Expression, purification and characterization of recombinant antibodies realized using the uteroglobin platform from bacteria
<b>Tanaka,</b> Atsuko	Japanese	European Molecular Biology Laboratory, Heidelberg, Germany	Pepperkok, Rainer	French National Center for Scientific Research, Paris, France	Selection of individual marine diatoms for single cell genomics using advanced microscopy and micromanipulation
<b>Serviene,</b> Elena	Lithuanian	Center for Microscopy and Molecular Imaging, Gosselies, Belgium	Lafontaine, Denis	Institute of Botany, Vilnius, Lithuania	The robot-aided genome-wide screening for the host factors modulating the resistance to the K2 toxin in yeast <i>Saccharomyces</i> <i>cerevisiae</i>
<b>Goeders,</b> Nathalie	Luxem- bourgian	Newcastle University, UK	Gerdes, Kenn	Free University of Brussels, Gosselies, Belgium	Molecular characterisation of toxins belonging to novel bacterial type II toxin- antitoxin systems
<b>Tan,</b> Chia Huei	Malaysian	Institute for Molecular and Cell Biology/ University of Porto, Portugal	Maiato, Helder	Swiss Federal Institute of Technology/Institute of Biochemistry, Zurich, Switzerland	Building a symmetric mitotic spindle : A laser microsurgery approach to understanding how cells align chromosomes in the middle

Name	Nationality	Host laboratory	Group leader	Home laboratory	Project
<b>Ayepola,</b> Olayemi	Nigerian	University Clinic of Munster, Germany	Becker, Karsten	Covenant University, Ota, Nigeria	Molecular characterization of antimicrobial resistance genes in <i>Staphylococcus aureus</i> isolates in Ogun and Lagos states of Nigeria
<b>Munack,</b> Steffi	Norwegian	Swiss Federal Institute of Technology, Zurich, Switzerland	Kast, Peter	University of Oslo, Norway	Towards novel drugs against tuberculosis - protein production and compound screening preparations
<b>Ali,</b> Amjad	Pakistani	Technical University of Denmark, Copenhagen, Denmark	Ussery, David	University of Minas Gerais, Belo Horizonte, Brazil	Pangenomic and comparative genomic studies of Corynebacterium pseudotuberculosis
<b>Bakhtiar,</b> Syeda Marriam	Pakistani	University of Copenhagen, Denmark	Hansen, Lars	National Institute for Biotechnology and Genetic Engineering, Faisalabad, Pakistan	Molecular genetic study of stuttering
<b>Castrillon,</b> Carlos	Peruvian	Aarhus University, Denmark	Kristensen, Peter	Peruvian University of Cayetano Heredia, Lima, Peru	Application of phage display to improve diagnosis of American tegumentary leishmaniasis
<b>Bartos,</b> Adrian	Polish	Imperial College of Science, Technology and Medicine, London, UK	Schumacher, Jörg	Technical University of Lodz, Poland	Divalent metal ions: Bacterial signalling and scope for biosensors
<b>Karolczak,</b> Justyna	Polish	King's College London, UK	Ehler, Elisabeth	Nencki Institute of Experimental Biology/ Polish Academy of Sciences, Warsaw, Poland	The role of myosin VI in cardiac muscle
<b>Kilanczyk,</b> Ewa	Polish	University of Louisville, United States	Hetman, Michal	Nencki Institute of Experimental Biology/ Polish Academy of Sciences, Warsaw, Poland	CacyBP/SIP as a new ERK1/2 phosphatase in neurons
<b>Kuciak,</b> Monika	Polish	Center for Biomedical Research/University of Granada, Spain	Garcia-Perez, Jose Luis	French National Institute for Health and Medical Research/University of Nice-Sophia Antipolis, France	Detection of active L1 ribonucleoprotein particles in human cells
<b>Maciag,</b> Monika	Polish	Institut of System and Synthetic Biology, Evry, France	Janniere, Laurent	University of Gdansk, Poland	New aspects for genetic fluctuation between central carbon metabolism and DNA replication in <i>Escherichia coli</i> bacterium
<b>Pasternak,</b> Michal	Polish	Curie Institute, Paris, France	Almouzni, Genevieve	University of Warsaw, Poland	Pericentric transcription: regulation and impact for chromocenter formation
<b>Sabisz,</b> Michal	Polish	Institute of Chemical Sciences and Engineering, Lausanne, Switzerland	Heinis, Christian	Gdansk University of Technology, Poland	Design and evaluation of new and selective MMP-2 and MMP-9 inhibitors
<b>Skieterska,</b> Kamila	Polish	Karolinska Institute, Stockholm, Sweden	Fuxe, Kjell	Ghent University, Belgium	BRET analysis of the interaction between KLHL12 and the different dopamine D4 receptor polymorphic variants

Name	Nationality	Host laboratory	Group leader	Home laboratory	Project
<b>Sroka,</b> Wiktor	Polish	University of Melbourne, Victoria, Australia	Roessner, Ute	Nicolas Copernicus University, Bydgoszcz, Poland	Metabolomics as a new approach for early detection and differentiation of prostate cancer
<b>Szymak,</b> Joanna Justyna	Polish	Max Planck Institute of Molecular Cell Biology and Genetics, Dresden, Germany	Simons, Kai	University of Wroclaw, Poland	The role of MPP1 palmitoylation in membrane raft formation
<b>Wlodarski,</b> Tomasz	Polish	University of Cambridge, UK	Vendruscolo, Michele	University of Warsaw, Poland	The study of structure and dynamics of methylated and unmethylated MGMT using a combination of NMR spectroscopy and computational methods
<b>Bettencourt,</b> Conceição	Portuguese	University Medical Center, Amsterdam, The Netherlands	Heutink, Peter	University of the Azores, Ponta Delgada, Portugal	Hereditary ataxias of unknown cause: search of novel causative mutations by exome sequencing
<b>De Almeida</b> Figueiredo, Teresa	Portuguese	Centre for Bacterial Cell Biology/Newcastle University, UK	Vollmer, Waldemar	Institute of Chemical and Biological Technology, Oeiras, Portugal	The mechanism of glutamic acid amidation in the peptidoglycan
<b>Dias,</b> Raquel	Portuguese	Centre for Synaptic Plasticity/University of Bristol, UK	Henley, Jeremy	Institute of Pharmacology and Neurosciences/ Institute of Molecular Medicine, Lisbon, Portugal	Modulation of homeostatic plasticity by erythropoietin: Taking a look at the synaptic level
<b>Faria Pais,</b> Teresa	Portuguese	Gladstone Institute of Neurological Disease/ University of California, San Francisco, United States	Akassoglou, Katerina	Institute of Molecular Medicine, Lisbon, Portugal	Alpha-synuclein-induced microglia activation: An <i>in vivo</i> imaging study
<b>Ferreira,</b> Maria Zita	Portuguese	Institute of Botany, Academy of Science of the Czech Republic, Pruhonice, Czech Republic	Kirschner, Jan	University of Madeira, Funchal, Portugal	First phylogenetic approach to the genus Andryala L. (Asteraceae)
<b>Gomes da Silva,</b> Carla Sofia	Portuguese	French National Institute for Health and Medical Research, Marseille, France	Bernard, Christophe	Center for Neuroscience and Cell Biology/ University of Coimbra, Portugal	Impact of caffeine in the construction of developing circuits of learning and memory in the mouse
<b>Matos Pereira,</b> Pedro	Portuguese	Institute of Medical Microbiology and Hygiene/University of Saarland, Homburg, Germany	Herrmann, Mathias	Bacterial Cell Biology Laboratory, Oeiras, Portugal	Effect of peptidoglycan synthesis and maturation on the elasticity and morphology of the <i>S. aureus</i> cell wall
<b>Oliveira,</b> Patricia	Portuguese	Pablo de Olavide University, Seville, Spain	Gómez-Skarmeta, José Luis	Institute of Molecular Pathology and Immunology of the University of Porto, Portugal	Repetitive sequences as new regulatory elements in the expression of cadherins

EMBO Short-Terr	Nationality	Host laboratory	Group leader	Home laboratory	Project
<b>Rodrigues,</b> Liliana	Portuguese	University of Zaragoza, Spain	Ainsa Claver, Jose Antonio	Institute of Hygiene and Tropical Medicine, Lisbon, Portugal	Contribution of the efflux pumps Mmr and EfpA to drug resistance in <i>Mycobacterium</i> <i>tuberculosis</i>
<b>Videira,</b> Paula	Portuguese	Brigham and Women's Hospital, Boston, United States	Sackstein, Robert	New University of Lisbon, Portugal	Elucidating the biology of CD44 and HCELL in breast cancer metastasis
<b>Babes,</b> Alexandru	Romanian	Institute for Molecular and Cellular Pharmacology, Sophia Antipolis, France	Lingueglia, Eric	University of Bucharest, Romania	Effect of the reactive metabolite methylglyoxal on two pore domain K+ channels TREK 1 and TRAAK and ASIC3 channels in nociceptive neurons: Possible involvement in painful diabetic neuropathy
<b>llioaia,</b> Cristian	Romanian	Institute of Biology and Technology Saclay, France	Robert, Bruno	University of Amsterdam, The Netherlands	Finding structural changes associated with chlorophyll fluorescence quenching
<b>Kagansky,</b> Alexander	Russian	National Cancer Institute, Bethesda, United States	Larionov, Vladimir	Wellcome Trust Centre for Cell Biology/University of Edinburgh, UK	Synthetic heterochromatin and mammalian centromere function
<b>Kotlobay,</b> Alexey	Russian	The Netherlands Cancer Institute, Amsterdam, The Netherlands	Schumacher, Ton N.M.	Shemyakin and Ovchinnikov Institute of Bioorganic Chemistry, Moscow, Russian Federation	Generation of a palette of HLA-B2705 MHC tetramers for the functional studies of quantitative TCR repertoire datasets
<b>Mikhaylina,</b> Alisa	Russian	Innsbruck Medical University, Austria	Piendl, Wolfgang	Institute of Protein Research, Russian/ Academy of Sciences, Pushchino, Russian Federation	Identification of regulatory L4-binding site on S10-like operon in archaea
<b>Shelkovnikova,</b> Tatyana	Russian	Cardiff University, UK	Buchman, Vladimir	Institute of Physiologically Active Compounds of Russian Academy of Sciences, Chernogolovka, Russian Federation	Neuropathology in transgenic mouse lines expressing FUS protein
<b>Yurlova,</b> Ekaterina	Russian	National Institute for Medical Research, London, UK	Wilkinson, David	Lomonosov Moscow State University, Moscow, Russian Federation	Investigation of effect of T-cadherin on individual and collective melanoma cell behavior
<b>Petrovic,</b> Milos	Serbian	Centre for Synaptic Plasticity/University of Bristol, UK	Henley, Jeremy M.	Institute of Medical Physiology/School of Medicine, Belgrade, Serbia	The role of CHMP2B in excitatory synaptic transmission in hippocampus
<b>Gruden,</b> Kristina	Slovenian	University of Cambridge, UK	Carr, John P.	National Institute of Biology, Ljubljana, Slovenia	Role of viral silencing suppressor protein 2b in plant-virus-insect interactions
<b>Mancek Keber,</b> Mateja	Slovenian	Medical University of Vienna, Austria	Hayer, Silvia	National Institute of Chemistry, Ljubljana, Slovenia	Microvesicles as endogenous activators of TLR4 receptor contribute to inflammatory processes in rheumatoid arthritis

Name	Nationality	Host laboratory	Group leader	Home laboratory	Project
<b>Andrés-Delgado,</b> Laura	Spanish	Columbia University, New York, United States	Gundersen, Gregg G.	Center of Molecular Biology Severo Ochoa, Madrid, Spain	Formin INF2 in the generation of stable Glu microtubules in migrating fibroblasts
<b>Belinchon</b> Martinez, Alberta	Spanish	Lerner Research Institute/ Cleveland Clinic Foundation, United States	Apte, Suneel S.	Institute of Medical & Molecular Genetics, Madrid, Spain	Characterization of the interaction between SHOX and ADAMTSL3 in human growth
<b>Benjumeda,</b> Isabel	Spanish	Barrow Neurological Institute, Phoenix, United States	Macknik, Steve	Institute of Neurosciences of Alicante, Spain	Spatio-temporal patterns of retinal waves in vivo during development and their contribution to topographic visual map formation
<b>Blasi,</b> Daniel	Spanish	University of Perugia, Italy	Cruciani, Gabriele	University of Barcelona, Spain	In silico pharmacokinetic studies of transthyretin amyloidogenic inhibitors
<b>Domenech Mata,</b> Rosa M.	Spanish	Imperial College London, UK	Matthews, Steve	Miguel Hernández University, Elche, Spain	Solution structure of the N-terminal domain of enzyme I of the <i>Streptomyces</i> <i>coelicolor</i> phosphoenolpyruvate – sugar phosphotransferase system
<b>Ezkurdia,</b> Iakes	Spanish	Swiss Federal Institute of Technology/Institute of Molecular Systems Biology, Zurich, Switzerland	Aebersold, Ruedi	Spanish National Cancer Research Centre, Madrid, Spain	Detection of alternative splicing isoforms and cancer related mutations at the proteome level in the human genome
<b>Fernandez Nogueira,</b> Patricia	Spanish	Oslo University Hospital/ Institute for Cancer Research, Norway	Russnes, Hege G.	Hospital Clinic de Barcelona, Spain	Definition of a new gene signature associated with tastuzumab and lapatinib resistance in HER2+ breast cancer for the identification of novel predictive markers of recurrence
<b>Garcia,</b> Esther	Spanish	The Beatson Institute for Cancer Research, Glasgow, UK	Machesky, Laura	National Center for Biotechnology, Madrid, Spain	Mechanisms of migration and invasion mediated by actin-binding proteins in breast cancer cells
<b>Garcia,</b> Sònia	Spanish	Institute of Biophysics/ Academy of Sciences of the Czech Republic, Brno, Czech Republic	Kovarik, Ales	University of Barcelona, Spain	Expression analysis and methylation patterns of ribosomal RNA genes in selected plant species (family Asteraceae) showing typical and linked ribosomal DNA configurations
<b>González Aguilera,</b> Cristina	Spanish	Friedrich Miescher Institute for Biomedical Research, Basel, Switzerland	Gasser, Susan M.	University of Pablo de Olavide, Seville, Spain	Role of LMN-1 in chromatin silencing and peripheral anchoring
<b>González</b> González, Maria Inmaculada	Spanish	Interdisciplinary Institute for Neuroscience, Bordeaux, France	Groc, Laurent	School of Medical Science/ University of Bristol, UK	The role of NR3A on the mobility and synaptic localization of NMDARs: Subunit specificity
<b>Gutierrez Vallejo,</b> Irene	Spanish	Centre for Developmental Neurobiology/King's College London, UK	Clarke, Jon	Molecular Biology Institute of Barcelona, Spain	Cell autonomous analysis of Shh effects in the zebrafish spinal cord primary neurogenesis

EMBO Short-Term Name	Nationality	Host laboratory	Group leader	Home laboratory	Project
<b>Hernando,</b> Henar	Spanish	University of Birmingham, UK	Shannon-Lowe, Claire	Bellvitge Biomedical Research Institute, Barcelona, Spain	Epigenetic mechanisms implicated in B-lymphocyte immortalization by Epstein- Barr virus
<b>Iglesias,</b> Diego	Spanish	Max Planck Institute for Biochemistry, Martinsried, Germany	Mann, Matthias	Karolinska Institute, Stockholm, Sweden	Quantitative analysis of proteome variations during prostate cancer development using Super-SILAC
<b>Ingles Prieto,</b> Alvaro	Spanish	Columbia University, New York, United States	Jimenez, Raul Perez	University of Granada, Spain	Study of ancestral thioredoxins folding by atomic force microscopy
<b>Lasso Cabrera,</b> Gorka	Spanish	Columbia University, New York, United States	Honig, Barry	Bizkaia Technology Park, Derio, Spain	Exploration of the dynamic p53-DNA complex by combining electron microscopy and structural bioinformatics
<b>Leis,</b> Olatz	Spanish	University of Milan, Italy	Nicolis, Silvia Kirsten	Fundation Inbiomed, San Sebastian, Spain	Implication of Sox2 in mammary gland development and breast cancer stem cells
<b>Leyva-Díaz,</b> Eduardo	Spanish	Max Planck Institute of Neurobiology, Martinsried, Germany	Klein, Rüdiger	University Miguel- Hernandez Institute of Neurosciences, Sant Joan d'Alacant, Spain	Interplay between distinct signalling pathways and guidance receptors in the development of the thalamocortical connectivity
<b>Lopez Arolas,</b> Joan	Spanish	Center for Biomembrane Systems/University of California, Irvine, United States	Luecke, Hartmut	Molecular Biology Institute of Barcelona, Spain	Purification and crystallization of a membrane-bound protease
<b>Martinez-Gil,</b> Marta	Spanish	Harvard Medical School/ Harvard University, Boston, United States	Kolter, Roberto	Zaidín Experimental Station, Granada, Spain	Functional analysis of LapF, a bacterial adhesin key for <i>Pseudomonas putida</i> biofilms
<b>Martinez-</b> Montañés, Fernando	Spanish	University of Fribourg, Switzerland	Schneiter, Roger	Institute of Molecular and Cellular Biology of Plants, Valencia, Spain	Role of sterols and other membrane lipids in the adaptation of yeast cells to stress
<b>Morilla,</b> Ian	Spanish	University of Texas Southwestern Medical Center, Dallas, United States	Altschuler, Steve	University of Malaga, Spain	Predicting the dynamical hierarchical stochastic gene network behaviour for gene in mitosis
<b>Muñoz Martinez,</b> Francisco	Spanish	Center for Molecular Biology/University of Heidelberg, Germany	Sourjik, Victor	Zaidín Experimental Station, Granada, Spain	Precise quantification of the magnitude of chemotactic response using receptor chimeras
<b>Muñoz,</b> Inés	Spanish	Hauptman-Woodward Medical Research Institute, Buffalo, United States	Luft, Joseph	Spanish National Cancer Research Centre, Madrid, Spain	Gaining expertise in complementary techniques of structural biology and the rational use of high-throughput technologies
<b>Ontoso Picon,</b> David	Spanish	Memorial Sloan-Kettering Cancer Center, New York, United States	Keeney, Scott	Spanish National Research Council / University of Salamanca, Spain	The role of Dot1 in the meiotic recombination checkpoint pathway, from yeast to mouse

		Warded In 2011	Crouplesden	Homo Johorstowy	Droject
Name	Nationality Spanish	Host laboratory	Group leader	Home laboratory Spanish National	Project
<b>Quintana,</b> Rita	spanisn	Carver College of Medicine/University of Iowa, United States	Dupuy, Adam J.	Research Centre for Energy, Environment and Technology, Madrid, Spain	Identification of new genes involved in breast cancer using the <i>Sleeping Beauty</i> transposon system
<b>Rodriguez-</b> Martinez, Daniel	Spanish	National Institute for Medical Research, London, UK	Pachnis, Vassilis	Andalusian Center for Molecular Biology and Regenerative Medicine, Seville, Spain	Cellular therapy and electroencephalography in model mice of epilepsy
<b>Rufián Plaza,</b> José Sebastián	Spanish	University of the West of England, Bristol, UK	Arnold, Dawn L.	University of Malaga, Spain	Applying molecular labeling and confocal microscopy to analyse the development of <i>Pseudomonas syringae</i> within mixed infections
Ruger-Herreros, Carmen	Spanish	Centre for Biochemistry of the University of Heidelberg, Germany	Brunner, Michael	University of Seville, Spain	Molecular mechanisms for the regulation of photoadaptation by the RCO-1/RCM-1 complex in <i>Neurospora crassa</i>
<b>Ruiz,</b> Francesc Xavier	Spanish	Institute of Genetics and Molecular and Cellular Biology, Strasbourg, France	Podjarny, Alberto	University of Barcelona, Spain	Determination of the three-dimensional structures of aldo-keto reductase AKR1B10 complexed with retinoids and inhibitors
Salvador de Lara, Manuel	Spanish	Delft University of Technology, The Netherlands	Heijnen, Sef	University of Seville, Spain	Modeling of <i>Escherichia coli</i> kinetic metabolite data
<b>Santos,</b> Adrian	Spanish	University College London, UK	Tada, Masazumi	University of Salamanca, Spain	Role of RND1/like in the alterations of the migration of the prechordal plate induced by exposition to ethanol
<b>Seras,</b> Joaquin	Spanish	University of Glasgow, UK	Dalby, Matthew	Institute of Biotechnology and Biomedicine, Bellaterra, Spain	Study of MSCs response to inclusion body based topography
<b>Tomas Roca,</b> Laura	Spanish	Radboud University Nijmegen Medical Centre, The Netherlands	van Bokhoven, Hans	University of Murcia, Spain	Elucidation of the molecular basis of hereditary congenital facial palsy
<b>Torregrosa</b> <b>Paredes,</b> Patricia	Spanish	Massachusetts General Hospital, Boston, United States	Mora, J. Rodrigo	Karolinska Institute, Stockholm, Sweden	The role of breast milk-exosomes in dendritic cell-mediated oral tolerance
<b>Vila Bedmar,</b> Rocio	Spanish	University Medical Center Utrecht, The Netherlands	Kavelaars, Annemieke	Center of Molecular Biology Severo Ochoa, Madrid, Spain	Role of G-Protein Coupled Receptor Kinase 2 (GRK2) in insulin sensitivity, cytokine secretion profile and adiposity
<b>Villellas,</b> Maria-Cristina	Spanish	University Hospital/ University Freiburg, Germany	Kern, Winfried V.	University of Zaragoza, Spain	Expression and characterisation of MFS and RND proteins of <i>Mycobacterium tuberculosis</i> and their ability to complement knock-out mutants of <i>Escherichia coli</i>
<b>Arabi,</b> Azadeh	Swedish	University of Dundee, UK	Lamond, Angus	Karolinska Institute, Stockholm, Sweden	A proteomics approach to nucleolar protein ubiquitination

EMBO Short-Te	rm Fellowships	awarded in 2011			
Name	Nationality	Host laboratory	Group leader	Home laboratory	Project
<b>Genheden,</b> Samuel	Swedish	University of Queensland, Brisbane, Australia	Mark, Alan	Lund University/Chemical Centre, Sweden	Improved methods for estimation of protein–ligand binding affinities
<b>Larsson,</b> Per	Swedish	University of Virginia, Charlottesville, United States	Kasson, Peter	Stockholm University, Sweden	Understanding the effects of influenza hemagglutinin mutations on viral membrane fusion
<b>Dal Col,</b> Julien	Swiss	Hunter College, New York, United States	Feinstein, Paul	University of Geneva, Switzerland	Monoallelic landscape of FPR gene cluster
<b>Forny,</b> Patrick	Swiss	Structural Genomics Consortium/University of Oxford, UK	Yue, Wyatt	University Children's Hospital Zurich, Switzerland	Purification and characterisation of disease- causing mutants of the B12 utilising enzyme methylmalonyl-CoA mutase
<b>Koegel,</b> Sally	Swiss	Agricultural Research for Development/The RicE FUnctional GEnomics platform, Montpellier, France	Guiderdoni, Emmanuel	Botanical Institute, Basel, Switzerland	Post-transcriptional gene silencing of a mycorrhiza-induced ammonium transporter in rice
<b>Dinc,</b> Emine	Turkish	University of Geneva, Switzerland	Rochaix, Jean-David	Hungarian Academy of Science, Szeged, Hungary	Development of antisense oligodeoxynucleotide technology in Chlamydomonas reinhardtii
<b>Dönmez,</b> Ali A.	Turkish	Royal Botanic Gardens, London, UK	Forest, Felix	Hacettepe University, Ankara, Turkey	Molecular phylogeny of Crataegus (Rosaceae)
<b>Fazli,</b> Mustafa	Turkish	Biomerit Research Centre/ University College Cork, Ireland	Ryan, Robert	University of Copenhagen, Denmark	Regulation of <i>Burkholderia cenocepacia</i> biofilm formation <i>via</i> cyclic di-GMP signalling
<b>Yelboga,</b> Emrah	Turkish	University of Copenhagen, Denmark	Bjarnsholt, Thomas	Istanbul Technical University, Turkey	Assessment of anti-biofilm activity of surface coated furanone derivatives
<b>Yildiz,</b> Gokhan	Turkish	Institute Albert Bonniot, Grenoble, France	Dimitrov, Stefan	Bilkent University, Ankara, Turkey	Genome-wide localization of histone H3.3 variant in the mouse liver
<b>Gudkova,</b> Daria	Ukrainian	University College London, UK	Gout, Ivan	Institute of Molecular Biology and Genetics/ National Academy of Sciences of Ukraine, Kiev, Ukraine	Investigation the role of RCD-8 in the regulation of CoA Synthase activity, CoA biosynthesis and cellular metabolism
<b>Lukash,</b> Tetyana	Ukrainian	University of Turku, Finland	Corthals, Garry	Institute of Molecular Biology and Genetics/ National Academy of Sciences of Ukraine, Kiev, Ukraine	Investigation of the phosphorylation of eEF1A1/A2 using selected reaction monitoring mass spectrometry
<b>Piven,</b> Oksana	Ukrainian	Max Planck Institute for Heart and Lung Research, Bad Nauheim, Germany	Braun, Thomas	Institute of Molecular Biology and Genetics/ National Academy of Sciences of Ukraine, Kiev, Ukraine	Signalling role of $\beta$ -catenin in heart adaptation for stress

Name	Nationality	Host laboratory	Group leader	Home laboratory	Project
<b>Francia,</b> Maria	Uruguayan	University of Montpellier, France	Dubremetz, Jean-François	University of Georgia, Athens, United States	Ultrastructural reconstruction of nuclear and chromosomal organization in apicomplexan parasites
<b>Hugo,</b> Martín	Uruguayan	Brussels Center for Redox Biology, Belgium	Messens, Joris	University of the Republic, Montevideo, Uruguay	Identification of a mycothiol-dependent reducing system for <i>Mycobacterium</i> <i>tuberculosis</i> alkyl hydroperoxide reductase E

# EMBO Short-Term Fellowships 2011: Geographical distribution

# Applications

Applications																					U							0			
* E0 To L	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	Eastern Europe	USA/Canada	Others	Total
Austria			1						2						1							1				1		1		2	9
Belgium									1						5								1	1				1		1	10
Croatia																															0
Czech Republic																				1			1								2
Denmark										1	2				1								1	1		2	1			9	18
Estonia																														1	1
Finland		1							1	1	2						1											1		1	8
France		1		1	1				2	2	2			1	5		1		2	3			7	1	1	1	3	2	2	7	45
Germany	4	1		2				4		1	2		1	3	5				1	1			12	1	1	1		1		12	53
Greece																															0
Hungary								1	1																						2
Iceland																															0
Ireland					1															1			1				1			5	9
Israel									1						1																2
Italy		1						3	1										1				5				2		1	8	22
Luxembourg																															0
Netherlands	1	2					1	4				1		1	3					1			6				1	2	1	8	32
Norway	1			2				1	1						1								1				1				8
Poland																	1														1
Portugal																							2		1					2	5
Slovak Republic																															0
Slovenia			2																1												3
Spain						1		2	1						1		1		2	2			1				2	3	2	8	26
Sweden		1		2			1		1						2					1			1		1		1	1		1	13
Switzerland	1	1						2	1		1				9		1	1	1				3				1			3	25
Turkey																															0
UK	1	3		1			2	4	8	3	2			2	16		3		5	3	1	1	16	1	2	1		5	2		82
EMBL			1					2			1				2		1										2		1	1	11
Eastern Europe																															0
USA/Canada	4	1						8	6	1	5	1	1	7	15		2		1	5			26	2	1	2	10				98
Others	1							1							1		1		1					1	1		4			10	21
Total	13	12	4	8	2	1	4	32	27	9	17	2	2	14	68	0	12	1	15	18	1	2	84	8	8	8	29	17	9	79	506

**\* "From"** refers to **home laboratory** (see list on pages 57–79)

# EMBO Short-Term Fellowships 2011: Geographical distribution

### Awards

Awarus		1							<u> </u>								<u> </u>												T		
* EQ To	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	ΠK	Eastern Europe	USA/Canada	Others	Total
Austria									2													1				1		1			5
Belgium									1						2									1				1		1	6
Croatia																															0
Czech Republic																				1			1								2
Denmark										1	2				1								1	1		1	1			5	13
Estonia																															0
Finland		1							1								1											1			4
France		1			1				2	2	1				4		1		2	2			4	1	1	1	2	1	1	2	29
Germany	2	1						4		1	1		1	2	3				1	1			4	1	1			1		6	30
Greece																															0
Hungary									1																						1
Iceland																															0
Ireland					1																									3	4
Israel															1																1
Italy								3															2							2	7
Luxembourg																															0
Netherlands	1	2						3				1		1	3					1			3				1	1		4	21
Norway	1			1				1															1								4
Poland																															0
Portugal																									1						1
Slovak Republic																															0
Slovenia			2																												2
Spain								2	1								1			2							1		1	1	9
Sweden		1		1					1						1										1		1				6
Switzerland		1						2			1				4		1	1	1				3							2	16
Turkey																															0
UK		2		1			1	3	6	2	1			1	6		3		3	2		1	8	1	2	1		4	1	6	55
EMBL			1					2			1				1												2				7
Eastern Europe																															0
USA/Canada	2							3	2	1	4	1	1	1	9		1		1	3			13	2	1		8				53
Others								1											1					1	1		1				5
Total	6	9	3	3	2	0	1	24	17	7	11	2	2	5	35	0	8	1	9	12	0	2	40	8	8	4	17	10	3	32	281

\* "From" refers to home laboratory (see list on pages 57–79)

# **EMBO Young Investigators**

#### www.embo.org/programmes/yip

The *EMBO Young Investigator Programme* supports outstanding young group leaders in the early years of their independent careers. Launched in 2000, the programme has highlighted 270 scientists in 19 EMBC Member States. The Young Investigators benefit from training opportunities designed to raise their profile, widen their networks and support for their research groups.

yip@embo.org

Gerlind Wallon Programme Manager

#### EMBO Young Investigators 2011

Linbo roung investigut	1013 2011			
Name	Nationality	Institute	Research interest	Country
Ahel, Ivan	Croatian	Paterson Institute for Cancer Research, Manchester	DNA damage response	United Kingdom
Benton, Richard	British	University of Lausanne	Olfactory evolution	Switzerland
Carballido-Lopez, Rut	Spanish	INRA, Jouy-en-Josas	Bacterial cytoskeleton and morphogenesis	France
Elf, Johan	Swedish	Uppsala University	Intracellular biophysics	Sweden
Geldner, Niko	German	University of Lausanne	Endodermal polarity and differentiation	Switzerland
<b>Groth,</b> Anja	Danish	BRIC, Copenhagen	Regulation of chromatin and histone dynamics	Denmark
Jarriault, Sophie	French	IGBMC, Illkirch	Cell plasticity	France
Jessberger, Sebastian	German	ETH Zurich	Adult neurogenesis	Switzerland
Lorentzen, Esben	Danish	Max-Planck-Institute of Biochemistry, Martinsried	Structural basis for intraflagellar transport	Germany
Lüdde, Tom	German	University Hospital Aachen	Inflammatory signalling in liver disease	Germany
Miguel-Aliaga, Irene	Spanish	University of Cambridge	Crosstalk between brain and gut	United Kingdom
Nollen, Ellen	Dutch	University of Groningen	Ageing-related protein aggregation and toxicity	The Netherlands
Petronczki, Mark	Austrian	Cancer Research UK London Research Institute	Cell division and aneuploidy	United Kingdom
Prud'homme, Benjamin	French	IBDML, Marseilles	Development and evolution of morphology and behaviour	France
Ralser, Markus	Italian	University of Cambridge	Systems biology of metabolic regulation	United Kingdom
Reddy, Akhilesh	British	University of Cambridge	Circadian rhythms	United Kingdom
Schnorrer, Frank	German	Max-Planck-Institute of Biochemistry, Martinsried	Muscle formation and function	Germany
Schuldiner, Maya	Israeli	Weizmann Insitute, Rehovot	Endoplasmic reticulum function	Israel
Thompson, Barry	British	Cancer Research UK London Research Institute	Tissue growth and form in Drosophila	United Kingdom
<b>Torres-Padilla,</b> Maria-Elena	Mexican	IGBMC, Illkirch	Epigenetic dynamics of cell potency	France
Veldhoen, Marc	Dutch	Babraham Institute, Cambridge	Epithelial immunity and metabolism	United Kingdom
Walden, Helen	British	Cancer Research UK London Research Institute	Specificity and regulation of E3 ubiquitin ligases	United Kingdom

### EMBO Young Investigators 2000-2010

Adams, Ralf Agami, Reuven Allain, Frédéric Alon, Uri Antonny, Bruno Arber, Silvia Arkowitz, Robert Arribas, Joaquin Ashe, Hilary Averof, Michalis

Barkai, Naama Barr, Francis Barral, Yves Barre François-Xavier Batista, Facundo Baum, Buzz Behrens, Axel Beja, Oded Bellaïche, Yohanns Ben-Yehuda, Sigal Berezikov, Eugene Berger, Frédéric Bertolotti, Anne Bertrand, Edouard Bettencourt-Dias. Mónica Blanpain, Cédric Blázquez, Miguel Bochtler, Matthias Boulton, Simon Bousso, Philippe Boutros, Michael Briscoe, James Bühler, Marc Bujnicki, Janusz Bumann, Dirk

Carleton, Alan Carroll, Jason Casares, Fernando Cavaillé, Jérôme Chin, Jason Chiti, Fabrizio Christoforidis. Savvas Clausen, Tim Collinson, Ian Conradt. Barbara Corona. Davide Cosma, Maria Pia Costanzo, Vincenzo Cramer, Patrick Currie. Peter d'Adda di Fagagna,

Fabrizio Daumke, Oliver Davis, Daniel de Gier, Jan-Willem Del Pozo, Miguel A. Delledonne, Massimo Dessen, Andrea Dickson, Barry Dominguez, María Donaldson, Anne Dutzler, Raimund

Einsle, Oliver Elena, Santiago Etienne-Manneville, Sandrine

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

Gönczy, Pierre González-Reves. Acaimo Gotta, Monica Grill, Stephan Hajnal, Alex Hardingham, Giles Harkany, Tibor Hassan, Bassem Haucke, Volker Helariutta, Ykä Helms, Volkhard Hidalgo, Alicia Hirst, Judy Holstege, Frank Hoogenraad, Casper Hopfner, Karl-Peter Hoppe, Thorsten Hummel, Thomas Ivaska, Johanna Janke, Carsten Jansen, Ralf lensen. Torben Heick lovine, Luca

Gerhardt, Holger

Gerlich, Daniel

Glotzer, Michael

Wolfram

Gil, Jesús

Kaessmann, Henrik Ketting, René

Khakh, Baljit S. Klaholz, Bruno Klose, Robert Knoblich, Jürgen Köhler, Claudia Komander, David Kondrashov, Fyodor Konieczny, Igor

Kunji, Edmund

Labib, Karim Längst, Cernot Lappalainen, Pekka Lecuit, Thomas Lehner, Ben Lemaitre, Bruno Levashina, Elena A. Leys, David Logan, Malcolm Lohmann, Jan Löwe, Jan Lygerou, Zoi

M. Madan, Babu Mäkinen, Taija Málnási Csizmadia. András Mansuy, Isabelle Manzanares. Miguel Marín, Oscar Marine. Jean-Christophe Marston, Adèle Martin, Sophie Martín-Bermudo. María Dolores Martín-Serrano, Juan Martínez, Javier Más, Paloma Mattevi, Andrea Mehlen, Patrick Meier, Pascal Meraldi, Patrick Milán, Marco Miska, Eric Mitchell, Kevin Morillon, Antonin Mosialos, George Mota, Maria Møller, Simon Geir

Musacchio, Andrea

Nagy, László Nehrbass, Ulf Neuhauss, Stephan Nichols, Benjamin Nissen, Poul Noselli, Stéphane

Odom, Duncan Oldroyd, Giles Otzen, Daniel Owen, David Owen-Hughes, Tom Oxenius, Annette

Palková, Zdena Palmer, Ruth Pasero, Philippe Peeper, Daniel Pellizzoni, Livio Peracchi, Alessio Perrakis, Anastassis Peters, Antoine Peters, Jan-Michael Philpott, Dana Pierre, Philippe Pilpel, Yitzhak Poirazi, Panayiota Polo, Simona Posas, Francesc

Radtke, Freddy Reich , Ziv Rescigno, Maria Ricci, Romeo Rico, Beatriz Rizzoli, Silvio Robinson, Robert Rodriguez, Ivan Roska, Botond Rouse, John Salecker, Iris Santos, Manuel Saudou, Frédéric Schärer, Orlando D. Schedl, Andreas Schleper, Christa Schlötterer, Christian Schneitz, Kay Schnittger, Arp Schratt, Gerhard Schübeler, Dirk Schulze, Almut Schwappach, Blanche Scorrano, Luca Segal, Eran Selbach, Matthias Seoane, Joan Silva-Santos, Bruno Simons, Mikael So. Eric Sorek, Rotem Sourjik, Victor Spahn, Christian Spang, Anne Stancheva, Irina Stock, Daniela

Sträßer, Katja

Strick, Terence

Suomalainen-

Wartiovaara,

Szabò, Ildikò

Anıı

Stumpf, Michael

Sahai, Erik

Tamagnone, Luca Tanaka, Tomoyuki Tanay, Amos Tapon, Nicolas Tarsounas, Madalena Tavernarakis, Nektarios Teichmann, Sarah Teleman, Aurelio Telford, Maximilian Thérond, Pascal Trouche, Didier Trumpp, Andreas Tsiantis, Miltos Tuschl, Thomas Uhlmann, Frank Ulrich, Helle

Taipale, Jussi

Ungermann, Christian Van Aalten, Daan Van den Ackerveken, Guido van der Goot, Gisou van Steensel, Bas Vendruscolo, Michele Verstrepen, Kevin

Vinkemeier, Uwe Viola, Antonella Voinnet, Olivier

Walther, Tobias Wilson, Daniel Wimmer, Ernst A. Wutz, Anton

Zeeman, Samuel Zernicka-Goetz, Magdalena Zimmermann, Pascale

EMBO facts & figures 2011 | www.embo.org

# EMBO Young Investigators: statistics

Applications and awards 2002-2011

	20	02	20	03	20	04	20	05	20	06	20	07	20	08	20	09	20	10	20	11
Country	Appl.	Aw.																		
Austria	1	0	0	0	3	1	3	1	3	0	2	1	1	0	2	0	1	0	0	0
Belgium	3	0	2	1	1	0	3	0	6	2	6	1	2	0	6	1	3	1	3	0
Croatia	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Czech Republic	6	0	14	0	4	0	2	0	2	0	0	0	1	0	1	0	0	0	0	0
Denmark	0	0	2	2	0	0	1	0	3	0	2	0	1	0	0	0	2	0	5	1
Estonia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Finland	4	1	3	0	9	0	2	0	5	2	8	0	2	0	2	0	1	0	2	0
France	26	4	26	2	17	3	14	2	16	4	8	3	11	1	11	0	12	0	23	4
Germany	17	4	15	3	30	3	23	4	27	2	19	3	21	1	17	2	22	7	19	3
Greece	4	1	3	0	4	1	6	0	4	0	4	0	2	0	2	0	2	0	1	0
Hungary	6	0	7	1	5	0	1	0	3	0	0	0	3	0	1	0	0	0	0	0
Iceland	0	0	1	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0	1	0
Ireland	0	0	0	0	3	1	1	0	2	0	0	0	0	0	1	0	2	0	2	0
Israel	4	0	5	1	5	0	3	1	5	1	2	1	4	0	6	1	7	1	4	1
Italy	14	3	11	1	14	0	14	1	11	3	9	1	4	0	15	1	12	1	11	0
Luxembourg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
The Netherlands	3	0	4	0	3	1	5	1	8	0	5	1	7	0	7	1	7	1	6	1
Norway	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Poland	8	1	6	0	8	1	2	0	0	0	0	0	1	0	1	0	0	0	0	0
Portugal	2	0	2	1	3	0	4	0	2	0	1	0	1	0	2	1	5	1	3	0
Slovak Republic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Slovenia	0	0	0	0	1	0	2	0	1	0	0	0	0	0	1	0	0	0	0	0
Spain	18	2	26	2	21	1	17	1	16	0	18	3	12	1	8	0	14	3	27	0
Sweden	15	0	7	1	8	0	3	1	10	0	14	1	3	0	3	1	4	0	8	1
Switzerland	12	3	5	1	8	1	8	3	5	2	4	0	5	2	11	6	11	1	11	3
Turkey	2	0	2	0	1	0	0	0	0	0	2	0	3	0	1	0	0	0	1	0
United Kingdom	23	4	21	5	20	7	13	2	22	5	26	3	32	7	24	3	32	5	34	8
Others	0	0	0	0	3	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Total	169	23	163	21	172	20	128	17	153	21	131	18	116	12	123	17	137	21	164	22
Female	45	4	47	7	39	4	32	2	32	6	37	3	32	2	34	4	39	3	57	8
Male	124	19	116	14	133	16	96	15	121	15	94	15	84	10	89	13	98	18	107	14

# EMBO Young Investigators: Statistics

# General statistics for all young investigators (at time of application) 2000–2011

	Average	
Age	35.2	
Post-doctoral years	4.6	
Total number of publications	22.4	
Last-author publications	4.0	
First-author publications	9.6	

### Pre- and/or post-doctorate spent in USA

	No.	% of total
USA	157	58.1

# Post-doctoral fellowships received from international agencies

	No.	% of total
EMBO	88	32.6
HFSP	74	27.4
EU TMR	27	10.0

### EMBO Young Investigator Lectures 2011

Young Investigator	Conference	Location	Date
<b>Blanpain,</b> Cedric	Stem Cells in Development, Tissue Homeostasis and Disease	US–Santa Fe, NM	30 January– 4 February
Martin, Sophie	Barcelona Symposium Frontiers in Biology	ES-Barcelona	7–9 March
Miska, Eric	Keystone Symposium Mechanism and Biology of Silencing	US–Monterey, CA	20–25 March
Bühler, Marc	Keystone Symposium Mechanism and Biology of Silencing	US – Monterey, CA	20–25 March
Ketting, Rene	Keystone Symposium Mechanism and Biology of Silencing	US–Monterey, CA	20-25 March
F <b>ernandez-Capetillo,</b> Oscar	Responses to DNA damage: From molecular mechanism to human disease	NL–Egmond aan Zee	3–8 April
Sahai, Erik	AAA Annual Meeting at Experimental Biology 2011	US-Washington, DC	9–13 April
J <b>anke,</b> Carsten	Emerging Concepts on Neuronal Cytoskeleton	CL-Santa Cruz	24–27 April
Blanpain, Cedric	2011 Annual Meeting of the Society for Investigative Dermatology	US – Phoenix, AZ	4-7 May
<b>Vendruscolo,</b> Michele	Gordon Research Conference Computational Aspects - Biomolecular NMR	IT – Lucca (Barga)	22-27 May
Beatriz, Rico	Gordon Research Conference Neurotrophic Factors	US–Newport, RI	5–10 June
<b>Gerhardt,</b> Holger	8th International Symposium on the Biology of Endothelial Cells	CH-Zurich	15–18 June
Schulze, Almut	Gordon Research Conference Molecular and Cellular Biology of Lipids	US – Waterville Valley, NH	17–22 July
Carroll, Jason	Gordon Research Conference (GRC and GRS) Hormone action in development and cancer	US–Smithfield, RI	31 July–5 August
<b>Gerhardt,</b> Holger	Gordon Research Conference Angiogenesis	US – Newport, RI	21–26 August
Sahai, Erik	FASEB Summer Research Conference The TGF-ß superfamily: Signaling in Development & Diseases	IT–Lucca (Barga)	21–26 August
Gerlich, Daniel	EMBO Workshop Exploring the logic of the cell cycle	FR-Montpellier	2–5 September
l <b>anke,</b> Carsten	Second Joint Meeting of the French and British Societies for Developmental Biology	FR-Nice	3–6 September
Sorek, Rotem	International Union of Microbiological Societies Congresses 2011	JP-Sapporo	6–16 September

<b>FMBO</b>	Young	Investigator	Lectures 2	011

Young Investigator	Conference	Location	Date
Polo, Simona	Cell Biology of Ubiquitin-dependent Degradation Pathways (British Society for Cell Biology)	UK – Liverpool	11–13 September
Komander, David	EMBO Conference Series Ubiquitin and Ubiquitin-like modifiers: From functional modules to systems biology	HR–Dubrovnik	21–25 September
Verstrepen, Kevin	Intra- and Intercellular Transport and Communication	DE-Marburg	21–23 September
Fernandez-Capetillo, Oscar	EMBO Workshop Chromosome structure, damage and repair	GR-Anavyssos	25–28 September
Bettencourt-Dias, Monica	EMBO Conference Series Centrosomes and spindle pole bodies	ES-Barcelona	2-6 October
Fernandez-Capetillo, Oscar	Frontiers in Cell Biology	DK- Helsingør	26-28 October
Sahai, Erik	Life in motion: Dynamics of molecules and systems	ES-Barcelona	17–18 November
So, Eric	Chromatin: Structure and Function 2011	AW- Aruba	5-8 December

# **EMBO Installation Grants**

#### www.embo.org/programmes/installation-grants

*EMBO Installation Grants*, begun 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.

# yip@embo.org

Gerlind Wallon Programme Manager

### EMBO Installation Grant Recipients 2011

Name	Nationality	Moving from	Moving to	Research interest
Emre, Tolga	Turkish	National Cancer Institute, Bethesda, United States	Boğaziçi University, Istanbul, Turkey	Gene regulatory networks in cancer
<b>Erbay,</b> Ebru	Turkish	Harvard School of Public Health, Boston, United States	Bilkent University, Ankara, Turkey	Mechanism and therapy of cardiometabolic syndrome
<b>Özlü,</b> Nurhan	Turkish	Harvard Medical School, Boston, United States	Koç University, Istanbul, Turkey	Cell surface changes during the cell cycle
<b>Stříšovský,</b> Kvido	Czech	MRC Laboratory of Molecular Biology, Cambridge, United Kindom	Institute of Organic Chemistry and Biochemistry AS CR, Prague, Czech Republic	Rhomboid proteases
<b>Teesalu,</b> Tambet	Estonian	Sanford-Burnham Medical Research Institute, Santa Barbara, United States	University of Tartu, Estonia	Tumor penetrating peptides
Wilczyński, Bartosz	Polish	European Molecular Biology Laboratory, Heidelberg, Germany	Warsaw University, Poland	Computational modeling of gene expression
Wloga, Dorota	Polish	University of Georgia, Athens, United States	Nencki Institute, Warsaw, Poland	Cilia assembly and function

# **EMBO Courses & Workshops**

www.embo.org/programmes/courses-workshops

courses\_workshops@embo.org

The EMBO Courses & Workshops Programme has a reputation for funding high-quality meetings and providing 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 2011

Title	Organizer	Location	Dates
Drosophila techniques	S. Prag	PT-Lisbon	11–18 March
Advanced optical microscopy 2011	B. Amos	UK-Plymouth	23 March-2 April
Methods in chemical biology	M. Köhn	DE-Heidelberg	27 March–2 April
Mass spectrometry and proteomics	O. Jensen	DK-Odense	6–13 April
Phosphoproteomics	M. Larsen	DK-Odense	28 April—3 May
Small angle neutron and X-ray scattering from proteins in solution	P. Callow	FR-Grenoble	16-20 May
MicroRNA-profilling: From <i>in situ</i> hybridization to next generation sequencing	V. Benes	IE-Galway	21-27 May
Exploiting anomalous scattering in macromolecular structure determination	D. De Sanctis	FR-Grenoble	6–10 June
Electron microscopy and stereology in cell biology	Y. Schwab	FR-Illkirch	14–24 June
Mouse phenotyping	D. Wolfer	CH-Zurich	20 June-2 July
Bioinformatics and comparative genome analyses	F. Tekaia	FR–Paris	27 June–9 July
High-throughput methods for protein production and crystallization	Y. Bourne	FR-Marseille	4-13 July
Marine animal models in evolution and development	D. Arendt	SE–Fiskebäckskil	4–15 July
Developmental neurobiology: From worms to mammals	R. Hindges	UK-London	8–22 July
Single-molecule nanomanipulation and analysis of protein – DNA interactions	T. Strick	FR-Paris	10-24 July
Multi-level modelling of morphogenesis	A. Maree	UK-Norwich	18-29 July

Practical Courses EMBC Member States

<b>EMBO Courses</b>	Workshop	s   Conferences	Symposia 2011
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	Title	Organizer	Location	Dates
Practical Courses EMBC Member States	Structure, dynamics and function of biological macromolecules by solution NMR	M. Sattler	DE-Garching	29 July–5 August
(cont.)	Computational biology: Genomes, cells & systems	P. Bork	IS – Reykjavík	6–13 August
	Studying protein – protein interactions by advanced light microscopy and spectroscopy	M. Sattler DE – Garching P. Bork IS – Reykjavík G. Vamosi HU – Debrecen	16–22 August	
	Image processing for cryo-electron microscopy	E. Orlova	UK–London	30 August– 9 September
	Two-photon imaging of brain circuits	A. Konnerth	DE-Munich	3-10 September
	Protein bioinformatics tools – Focus on regulatory proteins: Sequences, structures, interactions, networks	A. Budd	DE-Heidelberg	25–30 September
	Current methods in cell biology	C. Häring	DE-Heidelberg	29 September– 7 October
	Modern biophysical methods for protein – ligand interactions	K. Hiltunen	FI-Oulu	17–21 October
	Analysis of high-throughput sequencing data	G. Rustici	UK-Hinxton	23–29 October
	Metagenomics: From the bench to data analysis	V. Schneider	DE-Heidelberg	23–29 October
	Protein – protein and protein – nucleic acid cross-linking and mass spectrometry	H. Urlaub	DE–Göttingen	23–29 October
	Computational structural biology: From data to structure to function	J. Watson	UK–Hinxton	14–18 November
<b>Practical Course</b> Outside Europe	Imaging infection: From single molecules to animals	M. Mhlanga	ZA-Pretoria	2–13 November
<b>Workshops</b> EMBC Member States	Immunology and metabolism	C. Häring DE-Heidelberg K. Hiltunen FI-Oulu G. Rustici UK-Hinxton V. Schneider DE-Heidelberg H. Urlaub DE-Göttingen J. Watson UK-Hinxton M. Mhlanga ZA-Pretoria G. Chimini FR-Marseille A. Wittinghofer DE-St. Goar A. Villunger AT-Obergurgl I. Raška CZ-Prague B. Alsina ES-Barcelona	13–15 January	
	Function and structure of septins, filament- forming GTP-binding proteins	A. Wittinghofer	DE–St. Goar	6–9 March
	2011 EMBO Molecular Medicine Workshop Cell death & disease	A. Villunger	AT – Obergurgl	10–14 March
	Chromatin structure, organization and dynamics	I. Raška	CZ-Prague	9–13 April
	Frontiers in sensory development	B. Alsina	ES-Barcelona	3-6 May
	Cell biology of the neuron: Polarity, plasticity and regeneration	F. Bradke	GR-Heraklion	7-10 May

	Title	Organizer	Location	Dates
<b>Workshops</b> EMBC Member States (cont.)	The operon model and its impact on modern molecular biology	M. Yaniv	FR-Paris	17–20 May
cont.)	Biophysical mechanisms of development	on modern M. Yaniv FR–Paris opment A. Certal PT–Oeiras A. Zwijsen BE–Leuven man S. Nijman AT–Vienna man S. Nijman AT–Vienna M. Tarsounas GR–Cape Sounio ulation M. Torres-Padilla FR–IIIkirch R. Farràs ES–Valencia ic trafficking Y. Gruenbaum IL–Ma'ale Hachamisha S. Tajbakhsh FR–Paris dical aspects R. Zimmermann IT–Santa Margherita di Pula T. Braun DE–Wiesbaden r fimmunity M. van den Broek IT–Capo Caccia nes: ention P. Bastiaens CH–Engelberg models and E. Ogris AT–Baden bei Wien	24-27 May	
	Lineage commitments: Emphasis on extraembryonic – embryonic interfaces		25–27 May	
	Synthetic lethality: From yeast to man	S. Nijman	AT-Vienna	10-12 June
	50 years of X-inactivation research	N. Brockdorff	UK-Oxford	20-24 July
	Exploring the logic of the cell cycle	E. Schwob	FR-Montpellier	2-5 September
	Retinoids 2011	C. Rochette-Egly	FR-Strasbourg	22–24 September
	Chromosome structure, damage and repair	M. Tarsounas	GR–Cape Sounio	25–28 September
	Histone variants and genome regulation	M. Torres-Padilla	FR-Illkirch	12-14 October
	Intracellular proteolysis and cancer	R. Farràs	ES-Valencia	26–28 October
	Mechanisms of nucleocytoplasmic trafficking	Y. Gruenbaum	IL–Ma'ale Hachamisha	6–11 November
<b>Conferences</b> EMBC Member States	Advances in stem cell research: Development, regeneration and disease	S. Tajbakhsh	FR-Paris	6–8 April
	Protein transport systems: Structures, mechanisms, and medical aspects	R. Zimmermann	•	16–20 April
	Myogenesis: The molecular and cellular mechanisms regulating skeletal muscle development and regeneration	T. Braun	DE – Wiesbaden	10–15 May
	Spatial 2011 Systems dynamics of intracellular communication	P. Bastiaens	CH–Engelberg	15–19 May
	Homeostasis and perturbations of immunity	M. van den Broek	IT–Capo Caccia	16-20 May
	The biology of molecular chaperones: From basic mechanisms to intervention strategies in disease and ageing	E. Deuerling	AT–Grundlsee	19–24 May
	Chromatin and epigenetics	A. Akhtar	DE-Heidelberg	1–5 June
	Cancer Proteomics 2011 Systems biology, developmental models and data integration	W. Gallagher	IE-Dublin	20–23 June
	Europhosphatases 2011 Protein phosphatases from molecules to networks	E. Ogris	AT–Baden bei Wien	18-23 July

# EMBO Courses | Workshops | Conferences | Symposia 2011

	Title	Organizer	Location	Dates
onferences MBC Member States cont.)	Intracellular RNA transport and localized translation	C. Bagni	IT – Barga	7–12 August
	Protein synthesis and translational control	A. Ephrussi	DE-Heidelberg	7–11 September
	Lymphocyte signalling: Translating membrane signals into differentiation programmes	C. Baldari	IT–Pontignano (Siena)	10–14 September
	Nuclear receptors: From molecular mechanism to health and disease	M. Parker	ES–Sitges (Barcelona)	16–20 September
	Meiosis	A. La Volpe	IT–Capaccio (Paestum)	17–21 September
	Ubiquitin and ubiquitin-like modifiers: From functional modules to systems biology	T. Sommer	HR–Cavtat (Dubrovnik)	21–25 September
	Dynamic endosomes: Mechanisms controlling endocytosis	G. Griffiths	GR-Chania	24–29 September
	The assembly and function of neuronal circuits	A. Lüthi	CH-Ascona	25–30 September
	Host genetics control of infectious diseases	J. Casanova	FR-Paris	28–30 September
	Nuclear structure and dynamics	G. Cavalli	FR – L'Isle sur la Sorgue	28 September– 2 October
	Centrosomes and spindle pole bodies	C. Gonzalez	ES-Barcelona	2-6 October
	Comparative genomics of eukaryotic microorganisms: Understanding the complexity of diversity	T. Boekhout	ES–Sant Feliu de Guíxols	15–20 October
	Autophagy in health and disease	Z. Elazar	IL-Ma'ale Hachamisha	30 October– 4 November
SF EMBO /mposia	Molecular bioenergetics of cyanobacteria: From cell to community	CC. Zhang	ES – Sant Feliu de Guíxols	10–15 April
	B cells and protection: Back to basics	R. Carsetti	ES–Sant Feliu de Guíxols	12–17 June
	Biological surfaces and interfaces	F. Hook	ES – Sant Feliu de Guíxols	26 June – 1 July
	Glutathione and related thiols in living cells	J. Messens	ES – Sant Feliu de Guíxols	4–9 September
	Epigenetics in context: From ecology to evolution	V. Colot	ES – Sant Feliu de Guíxols	18–23 September
	Synthetic biology of antibiotic production	E. Takano	ES–Sant Feliu de Guíxols	2–7 October

# EMBO Courses | Workshops | Conferences | Symposia 2011

### EMBO Courses | Workshops | Conferences | Symposia 2011

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	Title	Organizer	Location	Dates
EMBO   FEBS Lecture Courses	Biophysics of channels and transporters	B. Kanner	IT-Erice	11-17 May
	Biomembrane dynamics: From molecules to cells	G. van Meer	FR–Cargèse	20–29 June
	Actin-based motility: From molecules to model organisms	G. Scita	IT-Stresa	29 October– 2 November
EMBO   EMBL Symposia	Seeing is believing: Imaging the processes of life	J. Ellenberg	DE-Heidelberg	17–20 March
	Cancer genomics	A. Futreal	DE-Heidelberg	17–19 September
	Structure and dynamics of protein networks	AC. Gavin	DE-Heidelberg	13-16 October

# Laboratory Management Courses 2011

	Title	Organizer	Location	Dates
aboratory	EMBO Laboratory Management Course	A. Glynn	UK-Ware	11–14 April
Management Courses	(for independent group leaders)	A. Bendiscioli	(Hertfordshire)	
	EMBO Laboratory Management Course	A. Glynn	DE-Leimen	24-26 May
	(for postdocs)	A. Bendiscioli	(near Heidelberg)	
	EMBO Laboratory Management Course	A. Glynn	DE-Leimen	13–15 June
	(for postdocs)	M. Cairns	(near Heidelberg)	
	EMBO Laboratory Management Course	A. Glynn	DE-Leimen	20-22 June
	(for postdocs)	M. Cairns	(near Heidelberg)	
	EMBO Laboratory Management Course	A. Glynn	DE-Leimen	4–7 October
	(for independent group leaders)	M. Cairns	(near Heidelberg)	
	EMBO Laboratory Management Course	A. Glynn	UK-Ware	11–13 October
	(for postdocs)	M. Cairns	(Hertfordshire)	
	EMBO Laboratory Management Course	A. Glynn	DE-Leimen	1-3 November
	(for postdocs)	M. Cairns	(near Heidelberg)	
	EMBO Laboratory Management Course	A. Glynn	DE-Leimen	7–10 November
	(for independent group leaders)	M. Cairns	(near Heidelberg)	

# **EMBO Global Exchange**

www.embo.org/programmes/global-exchange	global_exchange@em
EMBO Global Exchange establishes interactions with researchers in countries outside Europe.	Anne-Marie Glynn
Through lecture courses and series, both in the partner countries and in Europe, the programme	Programme Manager
highlights the quality of European research laboratories as partners for future collaborations and	

#### EMBO Global Exchange Lecture Courses 2011

researcher exchange.

	Title	Organizer	Location	Date
Global Exchange Lecture Courses	HIV/AIDS	K. Moelling	ZA–Stellenbosch	30 January – 5 February
	Structural and biophysical methods for biological macromolecules in solution	D. Svergun	CN-Beijing	28 April–5 May
	Bioinformatics: Tools, resources and applications	A. Maurady	MA-Tangiers	13–24 June
	Next generation sequencing for Africa	E. De Villiers	KE–Nairobi	31 August– 9 September

### EMBO Global Exchange Lecture Series 2011

	Title	Organizer	Location	Date
Global Exchange Lecture Series	Global Exchange Lecture Series (given by Detlev Weigel)	A. Glynn	CN–Beijing, Shanghai, Wuhan	11–15 April
	Global Exchange Lecture Series (given by Fiona Watt)	A. Glynn	CN–Beijing, Shanghai, Shantou	24–28 October
	Global Exchange Lecture Series (given by Bernard Malissen)	A. Glynn	TW–Tainan, Taipei	1–3 November

embo.org

# **EMBO Women in Science**

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

# women@embo.org

EMBO monitors gender balance in all of the activities of the organization 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

ЕМВС	Courses & Worksho	ops 2001–2011	
Year		% female participants	% female speakers
2001	Practical Courses	44	23
	Workshops	40	26
	Lecture Courses	63	20
2002	Practical Courses	51	23
	Workshops	39	25
	Lecture Courses	58	19
2003	Practical Coutrses	49	22
	Workshops	41	24
	Lecture Courses	48	13
2004	Practical Courses	56	27
	Workshops	40	25
	Conferences	40	21
	Lecture Courses	50	29
2005	Practical Courses	53	27
	Workshops	41	22
	Conferences	40	26
	Lecture Courses	60	25
2006	Practical Courses	45	22
	Workshops	45	24
	Conferences	45	n.a.
	Lecture Courses	52	20
2007	Practical Courses	52	28
	Workshops	39	25
	Conference Series	40	22
	Lecture Courses	65	18
2008	Practical Courses	50	24
	Workshops	48	25
	Conference Series	44	29
	Lecture Courses	37	16

#### EMBO Courses & Workshops 2001-2011 (cont.)

Year		% female participants	% female speakers
2009	Practical Courses	52	22
	Workshops	51	25
	Conference Series	46	28
	Lecture Courses	58	43
2010	Practical Courses	49	32
	Workshops	49	29
	Conference Series	45	28
	Lecture Courses	54	51
2011	Practical Courses	51	25
	Workshops	49	30
	Conference Series	50	30
	Lecture Courses	49	36

#### **EMBO Membership** (including Associate Members)

	1 ( 5	,
Year	Total number of members	% Women
2001	1092	13
2002	1126	13
2003	1162	13
2004	1191	14
2005	1223	14
2006	1271	14
2007	1305	14
2008	1357	14
2009	1416	15
2010	1479	15
2011	1530	15

# Participation of women in EMBO activities: Statistics

EMBO Short-Term Fellowships

nowsnips						
		Applications	%	Awards	%	Success rate %
2001	Female applicants	130	56	70	56	5
	Male applicants	103	44	54	44	5
	Overall	233		124		5
2002	Female applicants	148	53	81	53	5
	Male applicants	129	47	71	47	5
	Overall	277		152		5
2003	Female applicants	139	54	72	52	5
	Male applicants	120	46	66	48	5
	Overall	259		138		5
2004	Female applicants	161	54	84	52	5
	Male applicants	140	46	83	48	5
	Overall	301		167		5
2005	Female applicants	190	50	88	44	4
	Male applicants	193	50	112	56	5
	Overall	383		200		5
2006	Female applicants	204	52	100	52	4
	Male applicants	188	48	93	48	4
	Overall	392		193		4
2007	Female applicants	212	52	117	55	5
	Male applicants	197	48	94	45	4
	Overall	409		211		5
2008	Female applicants	219	55	126	59	5
	Male applicants	176	45	87	41	4
	Overall	395		213		5
2009	Female applicants	286	57	142	56	5
	Male applicants	209	43	113	44	5
	Overall	495		255		5
2010	Female applicants	230	55	126	58	5
	Male applicants	191	45	93	42	4
	Overall	421		219		5
2011	Female applicants	267	53	152	54	5
	Male applicants	239	47	129	46	5
	Overall	506		281		5
2001-2011	Female applicants	2186	54	1158	54	5
	Male applicants	1885	46	1005	46	5
	Overall	4071		2163		5

# Participation of women in EMBO activities: Statistics EMBO Long-Term Fellowships

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		Applications	%	Awards	%	Success rate %
1996–Spring 2001	Female applicants	1746	40	315	35	18
	Male applicants	2584	60	594	65	23
	Overall	4330		909		21
Autumn 2001	Female applicants	168	47	32	39	19
	Male applicants	188	53	50	61	27
	Overall	356		82		23
2002	Female applicants	347	43	68	40	20
	Male applicants	453	57	100	60	22
	Overall	800		168		21
2003	Female applicants	469	43	64	36	14
	Male applicants	611	57	112	64	18
	Overall	1080		176		16
2004	Female applicants	533	47	65	40	12
	Male applicants	604	53	98	60	16
	Overall	1137		163		14
2005	Female applicants	589	48	89	45	15
	Male applicants	647	52	109	55	17
	Overall	1236		198		16
2006	Female applicants	593	48	87	40	15
	Male applicants	644	52	133	60	21
	Overall	1237		220		18
2007	Female applicants	582	45	82	39	14
	Male applicants	706	55	130	61	18
	Overall	1288		212		17
2008	Female applicants	590	48	81	38	14
	Male applicants	628	52	134	62	21
	Overall	1218		215		18
2009	Female applicants	657	49	115	45	18
	Male applicants	675	51	143	55	21
	Overall	1332		258		19
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
1996-2011	Female applicants	7824	45	1224	39	16
	Male applicants	9491	55	1920	61	20
	Overall	17315		3144		18

# Participation of women in EMBO activities: Statistics

EMBO Young Investigator Programme

ator Programme						
		Applications	%	Awards	%	Success rate %
2000-2001	Female applicants	138	24	17	22	12
	Male applicants	427	76	61	78	14
	Overall	565		78		14
2002	Female applicants	45	27	4	17	9
	Male applicants	123	73	19	83	15
	Overall	168		23		14
2003	Female applicants	47	29	7	33	15
	Male applicants	116	71	14	67	12
	Overall	163		21		13
2004	Female applicants	38	22	4	20	11
	Male applicants	134	78	16	80	12
	Overall	172		20		12
2005	Female applicants	32	25	2	12	6
	Male applicants	96	75	15	88	16
	Overall	128		17		13
2006	Female applicants	32	21	6	29	19
	Male applicants	120	79	15	71	13
	Overall	153		21		14
2007	Female applicants	37	28	3	17	8
	Male applicants	95	72	15	83	16
	Overall	132		18		14
2008	Female applicants	32	28	2	17	6
	Male applicants	84	72	10	83	12
	Overall	116		12		10
2009	Female applicants	34	28	4	24	12
	Male applicants	89	72	13	76	15
	Overall	123		17		14
2010	Female applicants	39	29	3	14	8
	Male applicants	98	71	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
2000-2011	Female applicants	535	27	59	22	11
	Male applicants	1486	73	211	78	14
	Overall	2021		270		13

# Participation of women in EMBO activities: Statistics

# EMBO Installation Grants

		A secold secold second	04	According	04	<b>C</b>
		Applications	%	Awards	%	Success rate %
2006	Female applicants	28	38	1	10	4
	Male applicants	46	62	9	90	20
	Overall	74		10		14
2007	Female applicants	17	38	3	33	1
	Male applicants	41	62	6	67	1
	Overall	58		9		10
2008	Female applicants	7	22	1	14	14
	Male applicants	25	78	6	86	24
	Overall	32		7		23
2009	Female applicants	13	39	3	60	2
	Male applicants	20	61	2	40	10
	Overall	33		5		1
2010	Female applicants	11	32	3	43	23
	Male applicants	23	68	4	57	1
	Overall	34		7		23
2011	Female applicants	8	30	3	43	3
	Male applicants	19	70	4	57	2
	Overall	27		7		20
2006-2011	Female applicants	84	33	15	31	12
	Male applicants	174	67	33	69	1
	Overall	258		48		19

# **EMBO Gold Medal**

#### www.embo.org/aboutembo/embo-gold-medal

embo@embo.org

The EMBO Gold Medal is awarded annually to a young life scientist for exceptional research carried out in Europe. Widely regarded as the most prestigious award of its kind, the prize highlights the standards being reached in life science research by some of the very best young scientists in Europe.

#### EMBO Gold Medalists 1986-2011

1986	John Tooze Heidelberg, DE	1998	Adriano Aguzzi Zurich, CH
1987	Barbara Pearse Cambridge, UK	1999	Konrad Basler Zurich, CH
1988	Antonio Lanzavecchia Basel, CH	2000	Christof Niehrs Heidelberg, DE
1989	Hugh Pelham Cambridge, UK		Daniel St. Johnston Cambridge, UK
1990	Erwin Wagner Vienna, AT	2001	Matthew Freeman Cambridge, UK
1991	Patrick Stragier Paris, FR	2002	Amanda Fisher London, UK
1992	Carl-Henrik Heldin Uppsala, SE	2003	Anthony Hyman Dresden, DE
1993	Jim Smith London, UK	2004	María Blasco Madrid, ES
1994	Paolo Sassone-Corsi Strasbourg, FR	2005	Dario Alessi Dundee, UK
1995	Richard Treisman London, UK	2006	Frank Uhlmann London, UK
1996	Enrico Coen Norwich, UK	2007	Jan Löwe Cambridge, UK
1997	Dirk Görlich Heidelberg, DE	2008	James Briscoe London, UK

2009	Olivier Voinnet Strasbourg, FR
2010	Jason W. Chin London, UK
2011	Simon Boulton London, UK

# **EMBO Plenary Lectures**

www.embo.org/programmes/courses-workshops/plenary-lectures	courses_workshops@embo.org
Every year, EMBO Members are funded to present plenary lectures at international scientific meetings. Plenary lectures raise awareness of EMBO activities, support members in their collaborations with scientists from associated fields and promote European science worldwide.	<b>Anne-Marie Glynn</b> Manager

#### EMBO Plenary Lectures 2011

INIBO Plenary Lecture		Lecture Title	Location	Dete
	Name			Date
Plenary Lectures EMBC Member States	Maria Antonietta De Matteis	Charleston Ceramide Conference 6	CH–Villars-sur-Ollon	16–20 March
	Kai Simons	Intracellular signalling, calcium ions and membrane trafficking	IT–Milano	30 March
	Paul Nurse	UK–Japan Cell Cycle Workshop	UK-Windemere	10–14 April
	Erwin Neher	EMBO   FEBS Lecture Course Biophysics of Channels and Transporters	IT-Erice	11–17 May
	Varda Rotter	5th Mutant p53 Workshop: From bench to bedside across mouse models	IT–Ariccia	22–25 May
	Stephen West	Cell Cycle Cancer & Development	FR-Saint Malo	25–28 May
	Robert A. Weinberg	IDIBELL Cancer Conference (ICC) on Metastasis and Angiogenesis	ES-Barcelona	26-27 May
	Ernst Stelzer	ELMI (European Light Microscopy Initiative) Meeting 2011	GR-Alexandroupolis	7–10 June
	Cesare Montecucco	ETOX 15 – European Workshop on Bacterial Protein Toxins	NO-Oslo	18–22 June
	Reinhard Jahn	EMBO   FEBS Lecture Course Biomembrane dynamics: From molecules to cells	FR–Cargèse	20–29 June
	Gary Felsenfeld	Starting from Transcription	FR-Illkirch	24–25 June
	Luis Serrano	36th FEBS Congress: Biochemistry for Tomorrow's Medicine	IT-Torino	25–30 June
	Benjamin Geiger	Cellular nano-sciences	DE-Heidelberg	3–6 July
	Philip Avner	Cambridge Stem Cell Symposium: Pluripotency and Development	UK–Cambridge	6–7 July
	William Earnshaw	18th International Chromosome Conference 2011	UK-Manchester	29 August– 2 September

# EMBO Plenary Lectures 2011

Name

Plenary Lectures EMBC Member States (cont.)

David Shore	Shore Growth and Proliferation: Molecular Regulators of Cancer		8 September
Ivan Dikic	Cell biology of ubiquitin-dependent protein degradation pathways	UK–Liverpool	11–13 September
Hans Clevers	Stem Cells in Development and Disease	DE-Berlin	11–14 September
Gottfried Schatz	Mitochondrial Dynamics: From Mechanism to Disease	IT–Sardinia	11–15 September
Reinhard Fässler	Podosomes, Invadopodia and Focal Adhesions in Physiology and Pathology	ES–Madrid	18–21 September
Howard Cedar	Mono-allelic Expression in Health and Disease	ES-Barcelona	21–23 September
James Rothman	Molecular basis for membrane remodelling and organization	FR-Brittany	24–28 September
Stefanie Dimmeler	First CNIC Conference: At the heart of the genome: frontiers in cardiovascular genomics	ES-Madrid	6–7 October
Giulio Superti-Furga	Cell Biology and Pharmacology of Mendelian Disorders	IT–Vico Equense (Naples)	7–11 October
André Goffeau	9th Congress of the Slovenian Biochemical Society and 5th Congress of the Slovenian Microbiological Society	SI–Maribor	12–15 October
Margaret Frame	EMBO FEBS Lecture Course Actin-Based Motility: From Molecules to Model Organisms	IT–Stresa	29 October – 2 November
Aaron Ciechanover	Life in motion: Dynamics of Molecules and Systems	ES-Barcelona	17–18 November
Mariano Barbacid	The Rhythm of Life: Cycles in Biology	DE-Heidelberg	17–19 November
Edison Liu	EMBO Molecular Medicine Conference Molecular Insights for Innovative Therapies	DE-Heidelberg	1-3 December

Location

Date

Lecture Title

### EMBO Plenary Lectures 2011

	Name	Lecture Title	Location	Date
Plenary Lectures Outside Europe	Stephen Wilson	12th Australia New Zealand Zebrafish Meeting	AU – Moreton Island	2–9 February
	Robert White	32nd Lorne Genome Conference	AU-Lorne	13–15 February
	Walter Doerfler	Trends in Genetics: Genomic Instability and Pathways of Response	AM – Yerevan	20–26 February
	Paola Castagnoli	6th Asian-Pacific Organization of Cell Biology International Congress	PH–Mandaluyong City	25–28 February
	Julian Downward	FASEB Summer Research Conference Protein Lipidation, Signaling, and Membrane Microdomains	US–Saxtons River	24–29 July
	Mathias Sprinzl	2011 International Symposium on Aminoacyl-tRNA Synthetases	US–Salt Lake City	25–29 September
	M. Angela Nieto	The 5th International Meeting on Epithelial-Mesenchymal Transition (TEMTIA-V)	SG-Singapore	10-13 October
	Jerzy Paszkowski	Plant Biology Lectures: Series 2011	AR-Buenos Aires	24–26 October
	Francisco Baralle	XLVII Annual Meeting of the Argentine Society for Biochemistry and Molecular Biology	AR–San Luis	1–4 November
	Paul Freemont	The 9th International Conference on AAA Proteins	JP-Kumamoto	6–10 November

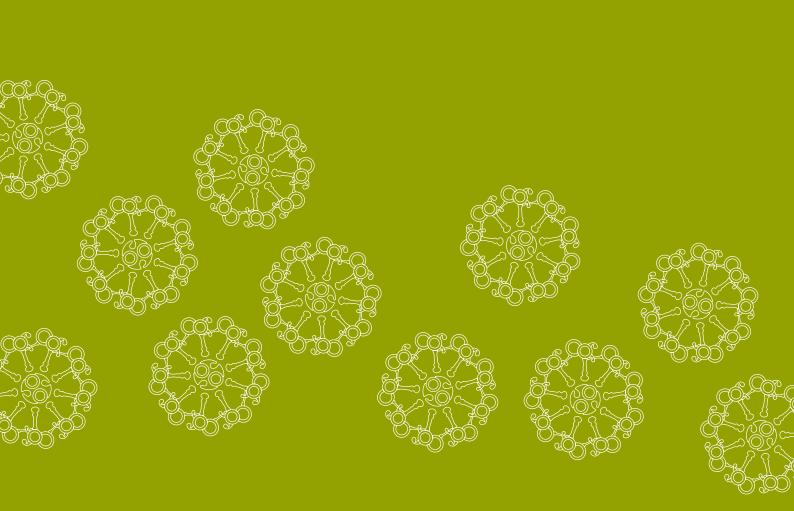
# EMBO staff in Heidelberg as of January 2012

Director	Maria Leptin	EMBO Director	director@embo.org
Director's Office	Eilish Craddock	Personal Secretary to EMBO Director	eilish.craddock@embo.org
EMBC and EMBO Council	Gitta Bourke	Administrator	gitta.bourke@embo.org
EMBO Membership	Valeria Kaplan	Administrator	valeria.kaplan@embo.org
Courses & Workshops Programme,	Anne-Marie Glynn	Programme Manager	anne-marie.glynn@embo.org
Global Activities and	Aditya Kusuma Jati	Web & Graphic Design Assistant	aditya.kusuma.jati@embo.org
Plenary Lectures	Anne Seller**	Administrator	
courses_workshops@embo.org	Lynne Turnbull	Administrator	lynne.turnbull@embo.org
global_exchange@embo.org	Sharon Witzke	Administrator	sharon.witzke@emb.org
Fellowship Programme	Andrea Hutterer*	Programme Manager	andrea.hutterer@embo.org
fellowships@embo.org	Jan Taplick**	Programme Manager, EMBO Deputy Director	
	Liselott Maidment	Administrator, Long-term Fellowships	liselott.maidment@embo.org
	Benardine Ngu*	Administrator, Finance & Fellowships	benardine.ngu@embo.org
	Zsuzsanna O'Donoghue	Administrator, Short-term Fellowships	zsuzsanna.odonoghue@embo.org
Science Policy Programme	Michele Garfinkel*	Programme Manager	michele.garfinkel@embo.org
policy@embo.org	Alessandra Bendiscioli	Administrator	alessandra.bendiscioli@embo.org
Young Investigator Programme,	Gerlind Wallon	Programme Manager, EMBO Deputy Director	gerlind.wallon@embo.org
Installation Grants and Women in Science yip@embo.org	Rachel Coulthard	Administrator	rachel.coulthard@embo.org
Administration & Finance	Bernhard Huber	Head, Administration & Finance	bernhard.huber@embo.org
	Seán Bourke	Administrator	sean.bourke@embo.org
	Martin Cairns	Conference Officer	martin.cairns@embo.org
	Bärbel Gärtner	Administrator	baerbel.gaertner@embo.org
EMBO Public Relations &	Suzanne Beveridge**	Head, Public Relations & Communications	
Communications	Barry Whyte*	Head, Public Relations & Communications	barry.whyte@embo.org
communications@embo.org	Yvonne Kaul	Communications Officer	yvonne.kaul@embo.org
	Sandra Krahl	Graphic Designer	sandra.krahl@embo.org
	Aditya Kusuma Jati	Web & Graphic Design Assistant	aditya.kusuma.jati@embo.org
	Katja Linssen	Marketing Communications Officer	katja.linssen@embo.org
	Uta Mackensen	Senior Graphic Designer	uta.mackensen@embo.org
	Sabine Rehberger-Schneider	Web Communications Officer	
	* started at EMBO in 2011		

started at EMBO in 2011
\*\* left EMBO in 2011

Information Support & Resources	Volker Wiersdorff	Head, Information Support & Resources	volker.wiersdorff@embo.org
	Kevin Fleming	Information Support and Database Developer	kevin.fleming@embo.org
EMBO Scientific Publications	Bernd Pulverer	Head of EMBO Scientific Publications	bernd.pulverer@embo.org
	Thomas Lemberger	Deputy Head of EMBO Scientific Publications	thomas.lemberger@embo.org
The EMBO Journal	Bernd Pulverer	Chief Editor	bernd.pulverer@embo.org
contact@embojournal.org	Isabel Arnold	Senior Editor	i.arnold@embojournal.org
	Katherine Brown**	Editor	
	David del Alamo*	Editor	d.delalamo@embojournal.org
	Karin Dumstrei	Senior Editor	k.dumstrei@embojournal.org
	Stan Gorski	Editor	
	Thomas Schwarz-Romond	Senior Editor	t.schwarz-romond@embojournal.org
	Hartmut Vodermaier	Senior Editor	h.vodermaier@embojournal.org
	Jana Christopher	Editorial Assistant	contact@embojournal.org
	Fiona Panayi	Editorial Assistant	contact@embojournal.org
	Meryl Schneider	Editorial Assistant	contact@embojournal.org
	Gerlinde Schuster	Editorial Assistant	contact@embojournal.org
EMBO reports	Holger Breithaupt	Editor	h.breithaupt@emboreports.org
emboreports@emboreports.org	Samuel Caddick	Editor	s.caddick@emboreports.org
	Nonia Pariente	Editor	n.pariente@emboreports.org
	Barbara Pauly	Editor	b.pauly@emboreports.org
	Esther Schnapp	Editor	e.schnapp@emboreports.org
	Sandra Krahl	Graphics Editor	sandra.krahl@embo.org
	Uta Mackensen	Graphics Editor	uta.mackensen@embo.org
	Susanne Hofner-Harris	Editorial Assistant	emboreports@embo.org
EMBO Molecular Medicine	Celine Carret*	Editor	celine.carret@embo.org
editor@embomolmed.org	Anneke Funk	Editor	anneke.funk@embo.org
	Gerlinde Schuster	Editorial Assistant	contact@embomolmed.org
Molecular Systems Biology	Thomas Lemberger	Chief Editor	thomas.lemberger@embo.org
msb@embo.org	Andrew Hufton	Editor	andrew.hufton@embo.org
	Jana Christopher	Editorial Assistant	msb@embo.org
Initiative for Science in Europe	Luc Van Dyck**	Executive Co-ordinator ELSF	
ise@initiative-science-europe.org	Wolfgang Eppenschwandtner*	Executive Co-ordinator ELSF	wolfgang.eppenschwandtner @embo.org

\* started at EMBO in 2011 \*\* left EMBO in 2011



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### **EMBO Courses & Workshops 2012**

	shops   Conferences   Symposia 2012 Title	Organizer	Location	Dates
actical Courses ABC Member States	Single-cell gene expression analysis	J. Dreyer	DE-Heidelberg	19–23 March
	Advanced optical microscopy	B. Amos	UK-Plymouth	21–31 March
	Computational structural biology: From data to structure to function	J. Watson	UK-Hinxton	16–20 April
	Mass spectrometry and proteomics	O. Jensen	DK-Odense	18–25 April
	Analysis of small non-coding RNAs: From massively parallel sequencing to <i>in situ</i> hybridization, from discovery to validation	V. Benes	DE-Heidelberg	21–27 April
	Computational molecular evolution	A. Stamatakis	GR-Heraklion	29 April—10 May
	Bioinformatics and comparative genome analyses	F. Tekaia	IT-Naples	7-19 May
	Biomolecular simulation	M. Nilges	FR-Paris	17-24 May
	The structural characterization of macromolecular complexes	C. Petosa	FR-Grenoble	4–9 June
	Plant bioinformatics: Going -omics	V. Schneider	UK-Hinxton	11–19 June
	Electron microscopy and stereology in cell biology	J. Nebesarova	CZ–České Budějovice	12–22 June
	Electron tomography in life science	A. Koster	NL-Leiden	18-23 June
	Plant-microbe interactions	J. Jones	UK-Norwich	18–29 June
	Transient kinetic methods applied to biological macromolecules	M. Geeves	UK-Canterbury	24–30 June
	3D developmental imaging	G. Martins	PT-Oeiras	29 June–7 July
	Molecular genetics with fission yeast	B. Arcangioli	FR-Paris	2–13 July
	Correlative light electron microscopy	P. Verkade	UK-Bristol	15–21 July
	Multidimensional NMR in structural biology	C. Griesinger	DE-Göttingen	12–17 August
	Lipid mass spectrometry and lipidomics	Y. Wang	UK-Swansea	19–24 August
	Cryo-electron microscopy and 3D image processing	J. Briggs	DE-Heidelberg	26 August– 2 September

	Title	Organizer	Location	Dates
Practical Courses EMBC Member States (cont.)	Microscopy, modelling and biophysical methods	L. Hufnagel	DE-Heidelberg	27 August– 8 September
	Ubiquitin and SUMO	S. Polo	IT–Alghero	1-8 September
	Computational analysis of protein – protein interactions for bench biologists	A. Budd	DE – Berlin	3–8 September
	Protein expression, purification, characterization and crystallization (PEPC8)	R. Meijers	DE – Hamburg	3–11 September
	Anatomy and embryology of the mouse	A. Marusic	HR-Split	8–16 September
	Computational biology: From genomes to cells and systems	P. Bork	ES–L'Escala (Girona)	14–20 October
	High-throughput microscopy for systems biology	R. Pepperkok	DE-Heidelberg	15–21 October
	Solution scattering from biological macromolecules	D. Svergun	DE-Hamburg	17–24 October
	Analysis of high-throughput sequencing data	G. Rustici	UK-Hinxton	29 October– 3 November
<b>Norkshops</b> MBC Member States	Programmed cell death in model organisms	E. Arama	IL-Ein Gedi	19–23 February
	Microbial sulfur metabolism	G. Muyzer	NL–Noordwijkerhout	15–18 April
	Antigen processing & presentation	J. Neefjes	NL-Amsterdam	24–27 April
	Genetic stability and change: Genome maintenance mechanisms in plants	C. White	FR-Roscoff	2-5 May
	Evolution in the time of genomics	G. Bernardi	IT-Venice	7-9 May
	Recombination mechanisms and genome instability	A. Aguilera	ES-Jerez de la Frontera	21-25 May
	Advances in protein–protein interaction analysis and modulation	P. Colas	FR-Roscoff	6–9 June
	Cortical interneurons in health and disease	O. Marín	ES–Costa d'en Blanes (Mallorca)	24–27 June
	Single cell physiology	D. Bensimon	FR-Paris	23–28 July
	Cell biology of early mouse development	D. Glover	UK-Cambridge	9–12 September
	Reconstructing the essential bacterial cell cycle machinery	M. Vicente	ES–Real Sitio de San Ildefonso (Segovia)	16–19 September
	The reciprocal interactions of signalling pathways and non-coding RNA	J. Krützfeldt	CH-Ascona	16–19 September

### EMBO Courses | Workshops | Conferences | Symposia 2012

	Title	Organizer	Location	Dates
<b>Workshops</b> IMBC Member States (cont.)	Structure-specific nucleases in DNA replication and repair	J. Rouse	FR – Hyères-les- Palmiers	16–20 September
	Structure, function and regulation of centromeres and kinetochores	R. Allshire	ES-Barcelona	1–4 October
	2012 EMBO Molecular Medicine Workshop Molecular medicine of sphingolipids	E. Gulbins	IL-Ramot	16-21 October
onferences MBC Member States	Visualizing biological data (VizBi 2012)	S. O'Donoghue	DE-Heidelberg	6–8 March
	Subversion of host cellular organization and functions by pathogens	D. Soldati-Favre	CH-Villars-sur-Ollon	6-10 May
	Microtubules: Structure, regulation and functions	C. Janke	DE-Heidelberg	23-26 May
	Cellular signalling and molecular medicine	J. Bos	HR–Cavtat (Dubrovnik)	25–29 May
	Plant development and environmental interactions	P. Costantino	IT-Matera	27-30 May
	C. elegans neurobiology	G. Jansen	DE-Heidelberg	14–17 June
	Gene transcription in yeast: From mechanisms to gene regulatory networks	F. Posas	ES-Girona	16–21 June
	The molecular and developmental biology of Drosophila	A. Ephrussi	GR – Kolymbari	24–30 June
	30 years of Wnt signalling	T. Dale	NL-Egmond aan Zee	27 June–1 July
	Viruses of microbes: From exploration to applications in the -omics era	R. Lavigne	BE – Brussels	16–20 July
	The molecular and cellular basis of regeneration and tissue repair	К. Масе	UK-Oxford	2–6 September
	Physics of cells: From soft to living matter (PhysCell2012)	K. Sengupta	FR–Hyères-les- Palmiers	5–9 September
	Morphogenesis and dynamics of multicellular systems	D. Gilmour	DE-Heidelberg	7–9 September
	Tuberculosis 2012: Biology, pathogenesis, intervention strategies	R. Brosch	FR-Paris	11–15 September
	Chemical biology 2012	M. Köhn	DE-Heidelberg	26–29 September
	Telomeres and the DNA damage response	L. Harrington	FR-L'Isle sur la Sorgue	2-6 October

#### EMBO Courses | Workshops | Conferences | Symposia 2012

	Title	Organizer	Location	Dates
Conferences EMBC Member States <i>(cont.)</i>	Catalytic mechanisms by biological systems: Combining computational and experimental approaches	M. Fraaije	NL-Groningen	8–10 October
	The physiology of the endoplasmic reticulum (ER): Function and dysfunction	M. Schuldiner	ES–Caldes de Malavella	15-19 October
	Experimental approaches to evolution and ecology using yeast	L. Steinmetz	DE-Heidelberg	17-21 October
	From functional genomics to systems biology	E. Furlong	DE-Heidelberg	17–20 November
	Critical assessment for protein structure prediction (CASP10)	A. Tramontano	IT–Sabaudia	9–12 December
SF EMBO ymposia	Cell polarity and membrane traffic	C. Rabouille	PL-Pułtusk	31 March–5 April
	Systems biology of Drosophila development	J. Jaeger	PL-Pułtusk	21-26 May
	Antiviral RNAi: From molecular biology towards applications	J. García	PL-Pułtusk	11-16 June
	Molecular biology and innovative therapies in sarcomas of childhood and adolescence	B. Schäfer	PL-Pułtusk	29 September– 4 October
EMBO FEBS Lecture Courses	Mesoscopic origins of cell behaviours during tissue morphogenesis: Biochemical circuits and mechanics	P. Lenne	FR – Cargèse	29 April–5 May
	Mitochondria in life, death and disease	K. Tokatlidis	GR-Crete	9-13 May
	Novel biophysical approaches in the investigation of the cytoskeleton	M. Nyitrai	HU–Pécs	3–7 November
MBO EMBL ymposia	New perspectives on immunity to infection	J. Howard	DE-Heidelberg	19-22 May
	Diabetes and obesity	J. Brüning	DE-Heidelberg	13–16 September
	Quality control: From molecules to organelles	B. Bukau	DE – Heidelberg	19–22 September
	The complex life of mRNA	D. Tollervey	DE-Heidelberg	7-10 October
	Germline: Immortality through totipotency	R. Lehmann	DE-Heidelberg	13-16 October

### EMBO Courses | Workshops | Conferences | Symposia 2012

#### Laboratory Management Courses 2012

	Title	Organizer	Location	Dates
MBO Laboratory	EMBO Laboratory Management Course	A. Glynn	UK-Ware	5–7 March
Management Courses	(for postdocs)	M. Cairns	(Hertfordshire)	
	EMBO Laboratory Management Course	A. Glynn	UK-Ware	19–22 March
	(for independent group leaders)	M. Cairns	(Hertfordshire)	
	EMBO Laboratory Management Course	A. Glynn	DE-Leimen	16–19 April
	(for independent group leaders)	M. Cairns	(near Heidelberg)	
	EMBO Laboratory Management Course	A. Glynn	DE-Leimen	23–25 April
	(for postdocs)	M. Cairns	(near Heidelberg)	
	EMBO Laboratory Management Course	A. Glynn	DE-Leimen	21-24 May
	(for independent group leaders)	M. Cairns	(near Heidelberg)	
	EMBO Laboratory Management Course	A. Glynn	DE-Leimen	11–13 June
	(for postdocs)	M. Cairns	(near Heidelberg)	
	EMBO Laboratory Management Course	A. Glynn	DE-Leimen	18–20 June
	(for postdocs)	M. Cairns	(near Heidelberg)	
	EMBO Laboratory Management Course	A. Glynn	DE-Leimen	31 October-
	(for postdocs)	M. Cairns	(near Heidelberg)	2 November
	EMBO Laboratory Management Course	A. Glynn	DE-Leimen	5-8 November
	(for independent group leaders)	M. Cairns	(near Heidelberg)	
	EMBO Laboratory Management Course	A. Glynn	DE-Leimen	13–15 November
	(for postdocs)	M. Cairns	(near Heidelberg)	
	EMBO Laboratory Management Course	A. Glynn	DE-Leimen	19-22 November
	(for independent group leaders)	M. Cairns	(near Heidelberg)	

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## **EMBO Global Exchange 2012**

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#### EMBO Global Exchange Lecture Courses 2012

	Title	Organizer	Location	Date
Global Exchange Lecture Courses	Cellular and molecular medicine: Cancer, stem cells, and inflammation	B. Ramakrishna	IN – Vellore	5 – 7 January
	Logic of regulatory circuits	Y. Sun	TW – Taipei	12 – 18 January
	Amoebiasis: Exploring the biology and the pathogenesis of Entamoeba	N. Guillén	IN – Khajuraho	2 – 7 March
	Introduction to synthetic biology	A. Nadra	AR – Buenos Aires	16 – 22 April
	Structural and biophysical methods for biological macromolecules in solution	D. Svergun	IN – Hyderabad	29 November – 6 December

#### EMBO Global Exchange Lecture Series 2012

	Title	Organizer	Location	Date
Global Exchange Lecture Series	Global Exchange Lecture Series (given by Patrick Cramer)	A. Glynn	CN-Beijing	2 February

### **EMBO Plenary Lectures 2012**

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#### EMBO Plenary Lectures 2012

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	Name	Lecture Title	Location	Date
Plenary Lectures EMBC Member States	Maria Pia Cosma	4th Crossroads in Biology (CIB) Symposium	DE–Cologne	9–10 February
	Leroy Hood	Omics and Personalised Health	DE-Heidelberg	16–18 February
	Dimitris Thanos	Albert Szent-Györgyi Conference Series: Molecular Biology and Genetics	HU-Szeged	23–25 March
	Denis Duboule	British Society for Developmental Biology	UK-Coventry	15–18 April
	Judith Armitage	Young Microbiologists Symposium on Microbe Signalling, Organization and Pathogenesis	IE-Cork	27–30 June
	Michael Stratton	The 22nd Biennial Congress of the European Association for Cancer Research 'From Basic Research to Personalised Cancer Treatment' (EACR-22)	ES-Barcelona	7–10 July
	Anne Ephrussi	22nd IUBMB & 37th FEBS Congress: From single molecules to systems biology	ES-Sevilla	4–9 September
	Klaus Rajewsky	Idibell Cancer Conference (ICC) on Epigenetics in Lymphocyte Biology and Disease	ES-Barcelona	13–14 September
	Michael Hall	Workshop on Dynamic Cell Signal Systems	NO-Oslo	25–30 September
	Claudio Stern	IX Meeting of the Spanish Society of Developmental Biology jointly with the Portuguese Society of Developmental Biology and the Society for Developmental Biology	ES-Granada	12–14 November

<b>Plenary Lectures</b>
Outside Europe

Name	Lecture Title	Location	Date
Roger Patient	The 13th Australia and New Zealand Zebrafish Meeting	AU–Lilydale	5–8 February
Patrick Cramer	2012 Lorne Genome Conference	AU-Lorne	12–14 February
Yoram Groner	14th A-IMBN Annual Conference: Life Science and Frontiers of Biorefinery Technology	TH–Pathumthani	1–2 March
James Briscoe	Hedgehog Signalling in Development, Evolution and Disease	SG–Singapore	18–21 March
Philippe Sansonetti	12th Hunter Meeting	AU–Pokolbin	27–30 March
Walter Gehring	VI International Meeting of the Latin American Society for Developmental Biology	UY–Montevideo	26–29 April
Joel Sussman	The 11th International Meeting on Cholinesterases	RU-Kazan	4–9 June
Marat Yusupov	The Banff Ribosome Synthesis Meeting 2012	CA-Banff	22–26 August
Carol Robinson	Membrane Protein Methods School	AU-Heron Island	16–19 September
Fiona Watt	2012 Montagna Symposium on the Biology of Skin: Keeping it all Together: Adhesion, the Cytoskeleton and Signaling in Morphogenesis and Tissue Function	US–Gleneden Beach	11–15 October
Stephen Cusack	24th tRNA Meeting	CL-Olmué	2–6 December
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### **Other EMBO events 2012**

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Other EMBO events 2012				
		Organizers	Location	Date
The EMBO Meeting	Annual life sciences conference	J. Ahringer (CHAIR) E. Conti (CHAIR) J. Pouysségur (CHAIR) G. Wallon M. Cairns	FR-Nice	22–25 September
Membership	Speaker Reception at The EMBO Meeting	M. Leptin G. Wallon	FR-Nice	23 September
	EMBO Members Meeting	M. Leptin M. Cairns G. Bourke	DE-Heidelberg	24–26 October
Young Investigator Programme	Annual Young Investigator Meeting	G. Wallon R. Coulthard	PT-Oeiras	7-9 May
	EMBO Young Scientists Forum	E. Kılıç I. Yaman G. Wallon R. Coulthard	TR–Istanbul	14–16 June
	Young Investigator PhD Course	G. Wallon R. Coulthard	DE-Heidelberg	10–15 September
Fellowship Programme	EMBO Fellows Meeting	A. Hutterer Z. O'Donoghue	DE–Heidelberg (EMBL)	14–17 June
	US Fellows Meeting	A. Hutterer L. Maidment	US–New York	16–18 November

Other	EMBO	events	2012
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Other ENIBO Events 2012				
		Organizers	Location	Date
Science Policy	Workshop on Scientific Publishing and Policy	M. Garfinkel A. Bendiscioli	DE-Heidelberg	28 March
Programme		A. Defiuiscion		
	Science Communication Skills	A. Bendiscioli	DE-Heidelberg	15 June
	Workshop at the EMBO Fellows Meeting	M. Garfinkel	(EMBL)	
	ESOF Session	A. Bendiscioli	IE-Dublin	12 July
	Building a better athlete?	M. Garfinkel		
	Scientific Publishing & Policy Session at	M. Garfinkel	FR-Nice	24 September
	The EMBO Meeting 2012	A. Bendiscioli		
	Disseminating research: From bench to website	B. Pulverer		
		T. Lemberger		
	13th EMBL EMBO joint conference	H. Stefansson	DE-Heidelberg	9-10 November
	on Science & Society:	A. Bendiscioli	(EMBL)	
	Biodiversity in the Balance	M. Garfinkel		



### ЕМВО

Meyerhofstr. 1 69117 Heidelberg Germany T +49 6221 8891 0 F +49 6221 8891 200

embo@embo.org www.embo.org

### EMBC European Molecular Biology Conference **Biology Conference**

Meyerhofstr. 1 69117 Heidelberg Germany T +49 6221 8891 0 F +49 6221 8891 202

embc@embo.org embc.embo.org

EMBO facts & figures 2011 reports on the implementation of the EMBC General Programme and other EMBO activities.

### Coordination, editing

Barry Whyte Yvonne Kaul Meryl Schneider

Production: Coordination, layout, graphics, cover Uta Mackensen

Photos Marietta Schupp (EMBL Photolab)

### Print

M+M Druck GmbH Wieblingen, Heidelberg Germany

# **CONTACT EMBO & EMBC**



**Maria Leptin** EMBO Director



EMBO Young Investigator EMBO Installation Grants EMBO Women in Science Gerlind Wallon Programme Manager Deputy Director +49 6221 8891 112



EMBO Scientific Publications Bernd Pulverer Head +49 6221 8891 501



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



EMBO Fellowships Andrea Hutterer Programme Manager +49 6221 8891 122



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



Administration & Finance Bernhard Huber Head +49 6221 8891 113



EMBO Courses & Worksho EMBO Plenary Lectures EMBO Global Exchange Anne-Marie Glynn Programme Manager +49 6221 8891 104



EMBO Public Relations & Communications Barry Whyte Head +49 6221 8891 108



EMBC EMBO Council & Committees Gitta Bourke Administrator +49 6221 8891 117



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



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

Complete list of EMBO staff in Heidelberg on pages 106–107.

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